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**GAS REACTOR INTERNATIONAL COOPERATIVE PROGRAM
INTERIM REPORT**

Assessment of Gas-Cooled Reactor Economics

MASTER

August 1979

Work Performed Under Contract No. EN-77-C-02-4057

General Electric Company
Advanced Reactor Systems Department
Sunnyvale, California

TECHNICAL INFORMATION CENTER
UNITED STATES DEPARTMENT OF ENERGY

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GAS REACTOR INTERNATIONAL COOPERATIVE PROGRAM INTERIM REPORT

ASSESSMENT OF GAS-COOLED REACTOR ECONOMICS

Volume II

GENERAL ELECTRIC

**ADVANCED REACTOR SYSTEMS DEPARTMENT
310 DeGUIGNE DRIVE
SUNNYVALE, CALIFORNIA 94086**

August 1979

Prepared For
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APPENDIX A - COMPUTER ANALYSIS
OF DOMESTIC ECONOMIC INCENTIVE

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APPENDIX A

COMPUTER ANALYSIS OF DOMESTIC ECONOMIC INCENTIVE

The computer analysis was performed for nine combinations of reprocessing and reactor assumptions. The combinations investigated were:

1. No reprocessing and the LWR as the only nuclear option.
2. With reprocessing and the LWR as the only nuclear option.
3. No reprocessing and the LWR & PBR-4021 as the only nuclear option.
4. With reprocessing and the LWR & PBR-4021 as the only nuclear option.
5. With reprocessing and the LWR, PBR-4021, PBR-PB and PBR-NB.
6. With reprocessing and the LWR, PBR-4021, PBR-PB and PBR-PBTBR.
7. No reprocessing and the LWR & HTGR-OC as the only nuclear options.
8. No reprocessing and the LWR & HTGR-RC as the only nuclear options.
9. No reprocessing and the LWR & HTGR-HC as the only nuclear options.

For this set of reactor and reprocessing combinations, a base data set was produced, followed by nine groups of changes to produce the above nine combinations, as shown in Table A-1.

To investigate the importance of the reference assumptions (base data set), eight sensitivity cases were run for each of the nine combinations described above. These sets of cases and their computer results are shown in Tables A-2 through A-9:

- a. Basic data set. (Table A-2)
- b. Higher uranium availability. (Table A-3)
- c. 50% higher GCR fabrication costs. (Table A-4)
- d. 50% higher GCR reprocessing costs. (Table A-5)
- e. Year 1990 GCR introduction scenario. (Table A-6)
- f. Year 2000 GCR introduction scenario. (Table A-7)
- g. 75% perceived capacity factor for PBRs instead of the 80% capacity factor actually achieved. (Table A-8)
- h. Capital cost of GCRs are 1.2 times that of LWRs. (Table A-9)

TABLE A-1

SAMPLE COMPUTER DATA SET FOR TEN COMBINATIONS OF REPROCESSING AND REACTOR ASSUMPTIONS

```

298 ( ***** REFERENCE INFORMATION FOR CCR INCENTIVES CASES ***** )$
298 ( DATA LAST CHANGED 11-1-77 )$
308 ( BASE DATA SET FOR PBR/S )$
318 $
328 ( BREEDER PERFORMANCE DATA )$
338 $
348 (LMFBR OUT OF CORE RATIOS )$
358 09(30)=2.5,09(65)=2.5,09(80)=1.5,09(121)=1.5 $
368 ( LMFBR SPECIFIC POWER KWTH/KG PU FISSILE FOR 1ST CORE )$
378 03(30)=1800. , 03(121)=1800. $
388 ( LMFBR THERMAL EFFICIENCY )$
398 04(30)=0.40,04(121)=0.40 $
408 $
418 ( INVENTORY SLOPES )$
428 $
438 ( INVENTORY ON U-CYCLE LWR PU (MILLS/KW-HR0)/($/GM PU))$
448 CBUINV=0.0 , CPUINV=0.002242 $
458 CBUINV=0.003126 $
468 (PU CREDIT BASED ON LEVELIZATION PERIOD - (MILLS/KWHR)/($/GM))$
478 BWRSFI =0.0 , PWRSFI=0.0537$
488 $
498 ( LWR U-CYCLE & HTGR PERFORMANCE DATA )$
508 $
518 (BWR,PWR,HTGR SPECIFIC POWERS -- MWTH/MTU)$
528 SPECIF(1)=1838.0,1714.0,26.7 $
538 (BWR,PWR,HTGR RELOAD BURNUPS -- MWTH/MTU)$
548 BUPRLD(1)=1309430.0,571210.0,27500.0 $
558 ( BWR,PWR,HTGR EFFICIENCY )$
568 EFFCT(1)=.40,.40,.34 $ AEC - WASH 1139 , TABLE 12
578 $
588 ( PLUTONIUM PERFORMANCE DATA )$
598 $
608 PURCIN=254.0% INVERSE OF 3924.0 KG PU LOAD REQUIREMENT FOR 1000MWE
618 PURCDC=270.5% INVERSE OF 3697 KG PU DISCHARGE PER 1000MWE
628 ( LWR PU RECYCLE PU CONSUMPTION RATE - KG PU/MWE-YR AT 100% OF )$
638 PURPCR(30) = 0.0711 , PURPCR(121)= 0.0711 $
648 ( LWR PU RECYCLE PLUTONIUM INVENTORY - (MILLS/KWE-HR0)/($/GM PU) )$
658 PURPIS(30) = 0.06475 , PURPIS(121)= 0.06475 $
668 ( VALUE OF PU AFTER ONE RECYCLE - 1/100 )$
678 FPUVAU = 1.0 $

```

680 (NET PU PRODUCTION -- KG PU FISSILE/MWE-YR AT 100% CF) \$
 690 FBRPUP(30)=0.186, FBRPUP(121)=0.186 \$
 700 BWRPUP(30) = 0.8 , BWRPUP(121)= 0.8 \$
 710 PWRPUP(40) = 0.490 , PWRPUP(121)= 0.490 \$
 720 \$
 730 (U-233 PERFORMANCE DATA) \$
 740 \$
 750 UIRCIN=326.8 \$ INVERSE OF X KG U-233 LOAD REQUIRED FOR 1000 MWE
 760 UIRCDC=636.9 \$ INVERSE OF X KG U-233 DISCHARGE PER 1000 MWE
 770 (CCR U-233 CONSUMPTION RATE - KG U-233/MWE-YR AT 100% CF) \$
 780 UIRICR(30) = 0.6815, UIRICR(121) = 0.6815 \$
 790 (CCR U-233 RECYCLE INVENTORY - (MILLS/KWE-HRD)/(\$/GM PU)) \$
 800 UIRIIS(30) = 0.0741, UIRIIS(121) = 0.0741 \$
 810 (VALUE OF U-233 AFTER ONE RECYCLE - %/100) \$
 820 FUIVAU = 1.00 \$
 830 (NET U-233 PRODUCTION -- KG U-233 FISSILE/MWE-YR AT 100% CF) \$
 840 GCRUIP(45) = 0.235 , GCRUIP(121) = 0.235 \$
 850 (U-233 CREDIT BASED ON LEVELIZATION PERIOD-(MILLS/KWHR)/(\$/GM)) \$
 860 GCRSFI = 0.0237
 870 \$
 880 (FUEL SERVICE CHARGES) \$
 890 \$
 900 (LWR AND CCR ENRICHMENT COSTS - (\$/KWH)/(\$/SWU)) \$
 910 SWRDEC(30) = 0.0173 , SWRDEC(121) = 0.0173 \$
 920 SWRIEC(30) = 0.0135 , SWRIEC(121) = 0.0135 \$
 930 PWRDEC(30) = 0.0245 , PWRDEC(121) = 0.0245 \$
 940 PWRIEC(30) = 0.0148 , PWRIEC(121) = 0.0148 \$
 950 GCRDEC(30) = 0.0154 , GCRDEC(121) = 0.0154 \$
 960 GCRIEC(30) = 0.00966 , GCRIEC(121) = 0.00966 \$
 970 (SEPARATIVE WORK COST - \$/SWU) \$
 980 ECOST(30)=61., ECOST(37)=61., ECOST(40)=75., ECOST(45)=85. \$
 990 ECOST(121)=85. \$
 1000 SWUPCF = 0.0 \$
 1010 CONVER(35)=4.5 , CONVER(40)=4.5 , CONVER(45)=4.5 , CONVER(121)=4.5 \$
 1020 (LWR AND CCR URANIUM COST (MILLS/KWH)/(\$/LB U235)) \$
 1030 SWRUDC(30) = 0.0050 , SWRUDC(121) = 0.0050 \$
 1040 SWRIUC(30) = 0.0046 , SWRIUC(121) = 0.0046 \$
 1050 PWRUDC(30) = 0.0478 , PWRUDC(121) = 0.0478 \$
 1060 PWRIUC(30) = 0.0435 , PWRIUC(121) = 0.0435 \$
 1070 GCRUDC(30) = 0.0407 , GCRUDC(121) = 0.0407 \$
 1080 GCRUIUC(30) = 0.0468 , GCRUIUC(121) = 0.0468 \$
 1090 (SWR/PWR/HTGR URANIUM INVENTORY FACTORS) \$
 1100 UINVEN(1)=1.50, 1.50, 1.50 \$
 1110 (SWR/PWR/CCR URANIUM ENRICHMENTS -- WEIGHT PERCENT U235) \$
 1120 EPNINT(1)=.93, .93, .0200 \$
 1130 EPNRLD(1)=.93, .93, .0273 \$
 1140 EPNOUT(1)=.002, .002, .008 \$
 1150 (TAILS COMPOSITION - WTU235) \$
 1160 TAILS=0.20 \$
 1170 TAILSL=0.0001 \$

1180 (FABRICATION CHARGES - MILLS/KWE-HRO) \$
 1190 BWRFB(30)=.510,BWRFB(121)=.510 \$
 1200 PWRFB(30)=1.874,PWRFB(121)=1.874 \$
 1210 PURFB(30)=1.924,PURFB(121)=1.924 \$
 1220 GCRFB(30)=0.819,GCRFB(121)=0.819 \$
 1230 UIRFB(30)=3.30,UIRFB(121)=3.30 \$
 1240 FBRFB(30)=1.659,FBRFB(121)=1.659 \$
 1250 (RECOVERY CHARGES - MILLS/KWE-HRO) \$
 1260 BWRREC(30)=0.1025,BWRREC(121)=0.1025 \$
 1270 PWRREC(30)=1.879,PWRREC(121)=1.879 \$
 1280 PURREC(30)=1.573,PURREC(121)=1.573 \$
 1290 GCRREC(30)=1.03,GCRREC(121)=1.03 \$
 1300 UIRREC(30)=1.03,UIRREC(121)=1.03 \$
 1310 FBRREC(30)=1.285,FBRREC(121)=1.285 \$
 1320 (OPERATING & MAINTENANCE COSTS - MILLS/KWE-HRO) \$
 1330 FOSOM(30)=1.60,FOSOM(121)=1.60 \$
 1340 BWRM(30)=2.12,BWRM(121)=2.12 \$
 1350 PWRM(30)=2.12,PWRM(121)=2.12 \$
 1360 PURM(30)=2.12,PURM(121)=2.12 \$
 1370 GCRM(30)=2.12,GCRM(121)=2.12 \$
 1380 UIRM(30)=2.12,UIRM(121)=2.12 \$
 1390 FEROM(30)=2.12,FEROM(121)=2.12 \$
 1400 (CAPITAL COSTS -- \$/KWE) \$
 1410 FOCC(1) = 500.0 , 99999.0 , 99999.0 \$
 1420 BWRCC(1)=660. , BWRCC(121)=660. \$
 1430 PWRCC(1)=660. , PWRCC(121)=660. \$
 1440 GCRCC(1)=600. , GCRCC(121)=600. \$
 1450 FBRCC(1)=660.,FBRCC(121)=660. \$
 1460 \$
 1470 (ANNUAL INFLATION RATES - %/100) \$
 1480 \$
 1490 RATEML(20)=.06,RATEML(121)=.06 \$
 1500 RATEM(20)=.06,RATEM(121)=.06 \$
 1510 RATEFL(20)=.06,RATEFL(121)=.06 \$
 1520 RATEG(1)=.06,RATEG(121)=.06 \$
 1530 RATEH(20)=.06,RATEH(121)=.06 \$
 1540 STRIP=150 \$
 1550 \$
 1560 (MATERIAL AND LABOR SPLITS) \$
 1570 \$
 1580 FLBFB=.1,FMBFB=.9,FLBREC=.3,FMBREC=.2,FLBOM=1.0 \$
 1590 FLBCC=1.0,FMBCC=0.00 \$
 1600 FLFCC=1.0,FMFCC=0.00,FLFOM=1.0 \$
 1610 FLLCC=1.0,FMLCC=0.00 \$
 1620 FLLFB=.61,FMLFB=.39,FLLREC=.45,FMLREC=.05,FLLOM=1.0 \$
 1630 FLLECC=.15,FMLECC=.55,FLLUC=.5,FMLUC=.4 \$
 1640 FLFPFB=.4,FMPFB=.6,FLFPREC=.45,FMPREC=.05,FLPUOM=1.0 \$
 1650 FLGCC=1.0,FMGCC=0.00 \$
 1660 FLGFAB=.61,FMGFB=.39,FLGRED=.45,FMGRED=.05,FLGOM=1.0 \$
 1670 FLGEC=.15,FMGEC=.55,FLGUC=.5,FMGUC=.4 \$
 1680 FLIFAB=.4,FMIFAB=.6,FLIREC=.45,FMIREC=.05,FLIUOM=1.0 \$

1690 \$
 1700 (ECONOMICS - INTEREST & DISCOUNT RATES - 7/100) \$
 1710 \$
 1720 R=0.1024 \$
 1730 DRWOTP=9.1236, DRWTP=0.1130 \$
 1740 (EFFECTIVE INTEREST RATE PLUS TAXES) \$
 1750 EINRPT=0.1556 \$
 1760 FBRD30=0.0252 \$
 1770 FBR130=0.1187 \$
 1780 FBR1CR=0.1300 \$
 1790 FBRDJB = 0.0190 , FBRIJB = 0.1288 \$
 1800 (AVERAGE CAPITAL CHARGE RATE) \$
 1810 AVECCR=0.1464 \$
 1820 ACCR30 = 0.1388 \$
 1830 (REGIONAL CAPITAL CHARGE RATE MULTIPLIERS) \$
 1840 CCR(1)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 1850 CCR(10)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 1860 CCR(19)=1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 1870 \$
 1880 (MISCELLANEOUS INPUTS) \$
 1890 \$
 1900 A1=2.0, A2=0.5465 \$
 1910 (YR IN WHICH URAN RECYCLE BEGINS & TIME TO DEPLETION) \$
 1920 LEYUR = 2005 , LTDURS = 1 \$
 1930 (YR IN WHICH PU RECYCLE BEGINS & TIME TO DEPLETION OF STOCKPILE) \$
 1940 LEYFUR = 2005 \$
 1950 LTDURS = 4 \$
 1960 (YR OF CCR INTRO, YR U-233 RECYCLE BEGINS, YRS TO STOCK DEPLET) \$
 1970 G1 = 1995 , LEYUR = 1999 , LTDURS = 10 \$
 1980 (FRACTION OF THE CAPITAL COST WHICH IS INTEREST DURING CONSTRUCTION) \$
 1990 CINDC = 0.0 \$
 2000 HTCRF = 0.00 \$
 2010 CCRLLM(1)=1.,2.,4.,6.,9.,12.,14.,16.,18.,20. \$
 2020 FBRLLM(1)=1.,2.,4.,6.,9.,12.,14.,16.,18.,20. \$
 2030 JB = 15 \$
 2040 NY = 2050 , LYEAR = 2020 , DI = 2010. \$
 2050 IFIRST = 2001 \$
 2060 IBTOPW = 2005 \$
 2070 (CAPACITY FACTOR INFORMATION) \$
 2080 RL1I = 0.70 , RL2I = 0.80 , RL3I = 0.90 , RL5I = 0.70 \$
 2090 C(1)=1.0, C(6)=1.0, C(40)=.015, C(81)=.421, C(82)=0.0 \$
 2100 (BWR TO LWR FRACTION) \$
 2110 BWRLWR=1.00 \$
 2120 NOUT(1)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 2130 NOUT(21)=1.0,1.0,1.0,1.0,1.0,1.0 \$
 2140 (CURRENT AVERAGE FOSSIL FUEL COST FOR EXISTING PLANTS - C/MBTU) \$
 2150 CAFDFC = 90.0 \$
 2160 (AVERAGE FOSSIL FUEL COSTS - COAL - OIL - GAS - CENTS/MBTU) \$
 2170 AFOFC(1) = 100.0, 999999.0, 999999.0 \$

2180 (FOSSIL FUEL COST MULTIPLIERS - FOFC(I,J) - I=FUEL,J=REGION)
 2190 FOFC(1,1) = 1.188,1.1,1. \$
 2200 FOFC(1,2) = 1.517,1.1,1. \$
 2210 FOFC(1,3) = 1.517,1.1,1. \$
 2220 FOFC(1,4) = 1.913,1.1,1. \$
 2230 FOFC(1,5) = 0.726,1.1,1. \$
 2240 FOFC(1,6) = 1.082,1.1,1. \$
 2250 FOFC(1,7) = 1.082,1.1,1. \$
 2260 FOFC(1,8) = 1.619,1.1,1. \$
 2270 FOFC(1,9) = 0.699,1.1,1. \$
 2280 FOFC(1,10) = 1.240,1.1,1. \$
 2290 FOFC(1,11) = 1.240,1.1,1. \$
 2300 FOFC(1,12) = 1.728,1.1,1. \$
 2310 FOFC(1,13) = 0.475,1.1,1. \$
 2320 FOFC(1,14) = 0.765,1.1,1. \$
 2330 FOFC(1,15) = 0.765,1.1,1. \$
 2340 FOFC(1,16) = 0.990,1.1,1. \$
 2350 FOFC(1,17) = 0.237,1.1,1. \$
 2360 FOFC(1,18) = 0.237,1.1,1. \$
 2370 FOFC(1,19) = 0.581,1.1,1. \$
 2380 FOFC(1,20) = 1.003,1.1,1. \$
 2390 FOFC(1,21) = 0.396,1.1,1. \$
 2400 FOFC(1,22) = 0.396,1.1,1. \$
 2410 FOFC(1,23) = 1.046,1.1,1. \$
 2420 FOFC(1,24) = 1.046,1.1,1. \$
 2430 (FOSSIL FUEL ESCALATION RATES)
 2440 FFER(1,30) = .01147, .01147, .01147 \$
 2450 FFER(1,121) = .01147, .01147, .01147 \$
 2460 (FOSSIL THERMAL EFFICIENCIES)
 2470 FFEF(1) = 0.38, 0.38, 0.38 \$
 2480 (NUCLEAR LABOR COST MULTIPLIERS BY REGION)
 2490 LCMN(1) = 1.086,1.086,1.086,0.905,0.905,0.905,0.905,1.006,1.006 \$
 2500 LCMN(11) = 1.036,1.036,0.985,0.905,0.905,0.905,0.905,0.905,0.905,0.905 \$
 2510 LCMN(21) = 0.999,0.998,0.998,0.998 \$
 2520 (FOSSIL LABOR COST MULTIPLIERS BY REGION)
 2530 LCMF(1) = 1.072,1.072,1.072,1.072,0.936,0.936,0.936,0.936,1.006,1.006 \$
 2540 LCMF(11) = 1.036,1.036,1.001,1.001,1.001,1.001,0.959,0.959,0.959,0.959 \$
 2550 LCMF(21) = 0.957,0.957,0.957,0.957 \$
 2560 (GROWTH RATES)
 2570 CROW(20) = 0.05, CROW(60) = 0.05, CROW(61) = 0.035, CROW(80) = 0.035 \$
 2580 CROW(81) = 0.05 \$
 2590 RGROW(1) = 0.052,0.052,0.052,0.052,1.209,1.209,1.209,1.209,0.905,0.905 \$
 2600 RGROW(11) = 0.036,0.036,0.937,0.937,0.937,0.937,1.209,1.209,1.209,1.209 \$
 2610 RGROW(21) = 1.014,1.014,1.014,1.014 \$
 2620 (1975 REGIONAL INSTALLED CAPACITIES - MWE)
 2630 CAPBY(1) = 26109, 16008, 16009, 16411, 10729, 20190, 20190, 20653, \$
 2640 CAPBY(9) = 16931, 18744, 18745, 16847, 10134, 12426, 12426, 12200, \$
 2650 CAPBY(17) = 16304, 16304, 18454, 19020, 10002, 10002, 20700, 20700, \$
 2660

```

2670 ( CASE # 1 , LWR ONLY - NO RECYCLE ) $
2680 A1 = 2.0 $
2690 NOUT(9) = 1 , NOUT(12) = 1 $
2700 G1 = 2051. , D1 = 2051. $
2710 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 $
2720 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 $
2730 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 $
2740 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 $
2750 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 $
2760 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 $
2770 UIRREC(30) = 0.475 , UIRREC(121) = 0.475 $
2780 LFYUR = 2051 , LFYUR = 2051 $
2790 GCRSFI = 0.0 , CGUINV = 0.0 $
2800 EPNOUT(3) = 0.002 $$
2810 $$
2820 (
2830 ( CASE # 2 , LWR ONLY - WITH RECYCLE ) $
2840 A1 = 2.0 $
2850 G1 = 2051.0 , D1 = 2051.0 $$
2860 $$
2870 (
2880 ( CASE # 3 , LWR AND 4021 - NO RECYCLE ) $
2890 A1 = 2.0 $
2900 D1 = 2051.0 , IBTOPW = 2051 $
2910 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 $
2920 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 $
2930 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 $
2940 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 $
2950 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 $
2960 UIRREC(30) = 0.475 , UIRREC(121) = 0.475 $
2970 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 $
2980 LFYUR = 2051 , LFYUR = 2051 $
2990 GCRSFI = 0.0 , CGUINV = 0.0 $
3000 GCRLIN(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 $
3010 EPNOUT(3) = 0.002 $$
3020 $$
3030 (
3040 ( CASE # 4 , LWR AND 4021 - WITH RECYCLE ) $
3050 A1 = 2.0 $
3060 GCRLIN(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 $
3070 D1 = 2051.0 , IBTOPW = 2051 , LFYUR = 2051 $$
3080 $$
3090 (
3100 ( CASE # 5 , LWR , 4021 , PB AND NB - WITH RECYCLE ) $
3110 A1 = 2.0 $
3120 GCRLIN(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 $
3130 IBTOPW = 2016 $
3140 D1 = 2051.0 , LFYUR = 2010 $$
3150 $$

```



```

3163 (
3179 ( CASE # 6 , LWR , 4021 , PB AND PBTOR - WITH RECYCLE ) $
3180 A1 = 2.0 $
3190 PURCIN = 1.0 , PURCOC = 1.0 $
3200 GCRLIN(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,23.57,22.86 $
3210 FBRLIN(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,23.57,22.86 $
3220 IBTOPW = 2010 $
3230 D1 = 2010.0 , LFYUR = 2010 $$
3240 $$
3250 (
3260 ( CASE # 7 , LWR AND HTGR-OC -- NO REPROCESSING ) $
3270 A1 = 2.0 $
3280 D1 = 2051.0 , IBTOPW = 1977 $
3290 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 $
3300 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 $
3310 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 $
3320 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 $
3330 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 $
3340 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 $
3350 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 $
3360 LFYUR = 2051 , LFYUR = 2051 $
3370 GCRSFI = 0.0 , GCUINV = 0.0 $
3380 EPNOUT(3) = 0.002 $
3390 CSUINV = 0.0 , CPUINV = 0.0 $
3400 PWRSFI = 0.0 $
3410 SPECIF(1) = 1710. , 1710. $
3420 SUPRLD(1) = 1161111.,1161111. $
3430 EFFICY(1) = .38, .38 $
3440 PWRPUP(40) = 0.0 , PWRPUP(121) = 0.0 $
3450 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 $
3460 PWRIEC(30) = 0.01307 , PWRIEC(121) = 0.01307 $
3470 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 $
3480 PWRIUC(30) = 0.00643 , PWRIUC(121) = 0.00643 $
3490 EPNINT(1) = .93, .93 $
3500 EPNRLD(1) = .93, .93 $
3510 EPNOUT(1) = .002, .002 $
3520 PWRFAB(30) = 0.7235 , PWRFAB(121) = 0.7235 $
3530 PWRREC(30) = 0.120 , PWRREC(121) = 0.120 $
3540 RL2I = 0.70 , RL3I = 0.70 $$
3550 $$
3560 (
3570 ( CASE # 8 , LWR AND HTGR-RC -- WITH REPROCESSING ) $
3580 A1 = 2.0 $
3590 D1 = 2051.0 , IBTOPW = 1977 $
3600 CPUINV = 0.000708 , CSUINV = 0.0 $
3610 PWRSFI = 0.02255 $
3620 SPECIF(1) = 1710. , 1710. $
3630 SUPRLD(1) = 1161111.,1161111. $
3640 EFFICY(1) = .38, .38 $
3650 PURCIN = 485.8 $
3660 PURCOC = 1547.0 $

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3670 PURPCR(30) = 0.290 , PURPCR(121) = 0.290 \$
 3680 PURPIS(30) = 0.31534 , PURPIS(121) = 0.31534 \$
 3690 PWRPUP(40) = 0.204 , PWRPUP(121) = 0.204 \$
 3700 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
 3710 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
 3720 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
 3730 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
 3740 EPNINT(1) = .93,.93 \$
 3750 EPNRLD(1) = .93,.93 \$
 3760 EPNOUT(1) = .50,.50 \$
 3770 PWRFAB(30) = 0.7205 , PWRFAB(121) = 0.7205 \$
 3780 PURFAB(30) = 1.174 , PURFAB(121) = 1.174 \$
 3790 PWRREC(30) = 0.560 , PWRREC(121) = 0.560 \$
 3800 PURREC(30) = 0.560 , PURREC(121) = 0.560 \$
 3810 RLZI = 0.70 , RLZI = 0.70 \$\$
 3820 \$\$
 3830 (*
 3840 (CASE # 9 , LWR AND HTGR-HC -- WITH REPROCESSING) \$
 3850 A1 = 2.0 \$
 3860 D1 = 2051.0 , IBTOPW = 1977 \$
 3870 CPUINV = 0.000738 \$
 3880 PWRSEI = 0.02255 \$
 3890 SPECIF(1) = 1120. , 1120. \$
 3900 BUPRLD(1) = 1161111. , 1161111. \$
 3910 EFFICIY(1) = .38,.38 \$
 3920 PURCIN = 693.2 \$
 3930 PURCOC = 861.2 \$
 3940 PURPCR(30) = 0.1005 , PURPCR(121) = 0.1005 \$
 3950 PURPIS(30) = 0.01115 , PURPIS(121) = 0.01115 \$
 3960 PWRPUP(40) = 0.204 , PWRPUP(121) = 0.204 \$
 3970 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
 3980 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
 3990 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
 4000 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
 4010 EPNINT(1) = .93,.93 \$
 4020 EPNRLD(1) = .93,.93 \$
 4030 EPNOUT(1) = .50,.50 \$
 4040 PWRFAB(30) = 1.01 , PWRFAB(121) = 1.01 \$
 4050 PURFAB(30) = 1.65 , PURFAB(121) = 1.65 \$
 4060 PWRREC(30) = 0.916 , PWRREC(121) = 0.916 \$
 4070 PURREC(30) = 0.916 , PURREC(121) = 0.916 \$
 4080 RLZI = 0.70 , RLZI = 0.70 \$\$
 4090 \$\$
 4100 ILAST *

TABLE A-2

BASIC DATA SET AND COMPUTER OUTPUT

		Present Valued Benefit (Billions of \$)	Case Page Number
CASE 1.	No reprocessing and the LWR is the only nuclear option. [1153.80]	--	A-17
CASE 2.	With reprocessing and the LWR is the only nuclear option. [1065.34] (Case 1 - Case 2)	88	A-22
CASE 3.	No reprocessing and the LWR and PBR-4021 are the only nuclear options. [1102.80] (Case 1 - Case 3)	51	A-27
CASE 4.	With reprocessing and the LWR and PBR-4021 are the only nuclear options. [1053.77] (Case 2 - Case 4)	12	A-32
CASE 5.	With reprocessing and the LWR, PBR-4021, PBR-PB, and PBR-NB are the only nuclear options. [1062.96] (Case 2 - Case 5)	2	A-37
CASE 6.	With reprocessing and the LWR, PBR-4021, PBR-PB, and PBR-PBTBR are the only nuclear options. [1041.31] (Case 2 - Case 6)	24	A-
CASE 7.	No reprocessing and the LWR and HTGR-OC are the only nuclear options. [1152.31] (Case 1 - Case 7)	2	A-47
CASE 8.	With reprocessing and the LWR and HTGR-RC are the only nuclear options. [1032.11] (Case 2 - Case 8)	33	A-53
CASE 9.	With reprocessing and the LWR and HTGR-HC are the only nuclear options. [1045.65] (Case 2 - Case 9)	20	A-58

[] = Present valued cost of generating electricity for this case.

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (***** REFERENCE INFORMATION FOR GCR INCENTIVES CASES *****)\$
 CRD NO....2 (DATA LAST CHANGED 1-5-79)\$
 CRD NO....3 (BASE DATA SET FOR PBR,S)\$
 CRD NO....4 \$
 CRD NO....5 (BREEDER PERFORMANCE DATA)\$
 CRD NO....6 \$
 CRD NO....7 (LMFBR OUT OF CORE RATIOS)\$
 CRD NO....8 09(30)=2.5,09(65)=2.5,09(80)=1.5,09(121)=1.5 \$
 CRD NO....9 (LMFBR SPECIFIC POWER KWTH/KG PU FISSILE FOR 1ST CORE)\$
 CRD NO....10 D3(30)=1000. , D3(121)=1000. \$
 CRD NO....11 (LMFBR THERMAL EFFICIENCY)\$
 CRD NO....12 D4(30)=0.38,D4(121)=0.38 \$
 CRD NO....13 \$
 CRD NO....14 (INVENTORY SLOPES)\$
 CRD NO....15 \$
 CRD NO....16 (INVENTORY ON U-CYCLE LWR PU (MILLS/KW-HRO)/(\$/GM PU))\$
 CRD NO....17 CBUINV=0.0 , CPUINV=0.00236 \$
 CRD NO....18 CGUINV=0.003126 \$
 CRD NO....19 (PU CREDIT BASED ON LEVELIZATION PERIOD - (MILLS/KWHR)/(\$/GM))\$
 CRD NO....20 BWRSEI =0.0 , PWRSEI=0.0565\$
 CRD NO....21 \$
 CRD NO....22 (LWR U-CYCLE & HTGR PERFORMANCE DATA)\$
 CRD NO....23 \$
 CRD NO....24 (BWR,PWR,HTGR SPECIFIC POWERS -- MWTH/MTU)\$
 CRD NO....25 SPECIF(1)=1838.0,1714.0,26.9 \$
 CRD NO....26 (BWR,PWR,HTGR RELOAD BURNUPS -- MWDTH/MTU)\$
 CRD NO....27 BUPRLD(1)=1309430.0,571210.0,27500.0 \$
 CRD NO....28 (BWR,PWR,HTGR EFFICIENCY)\$
 CRD NO....29 EFFICY(1)=0.38,0.38,0.34 \$
 CRD NO....30 \$
 CRD NO....31 (PLUTONIUM PERFORMANCE DATA)\$
 CRD NO....32 \$
 CRD NO....33 PURCIN=242.0\$ INVERSE OF 4130.5 KG PU LOAD REQUIREMENT FOR 1000MWE
 CRD NO....34 PURCDC=257.0\$ INVERSE OF 3891.6 KG PU DISCHARGE PER 1000MWE
 CRD NO....35 (LWR PU RECYCLE PU CONSUMPTION RATE - KG PU/MWE-YR AT 100% CF)\$
 CRD NO....36 PURPCR(30) = 0.0748 , PURPCR(121)= 0.0748 \$
 CRD NO....37 (LWR PU RECYCLE PLUTONIUM INVENTORY - (MILLS/KWE-HRO)/(\$/GM PU))\$
 CRD NO....38 PURPIS(30) = 0.06816 , PURPIS(121)= 0.06816 \$
 CRD NO....39 (VALUE OF PU AFTER ONE RECYCLE - %/100) \$
 CRD NO....40 FPUVAU = 1.0 \$
 CRD NO....41 (NET PU PRODUCTION -- KG PU FISSILE/MWE-YR AT 100% CF)\$
 CRD NO....42 FBRPUP(30)=0.196,FBRPUP(121)=0.196 \$
 CRD NO....43 BWRPUP(30) = 0.0 , BWRPUP(121)= 0.0 \$
 CRD NO....44 PWRPUP(40) = 0.516 , PWRPUP(121)= 0.516 \$
 CRD NO....45 \$
 CRD NO....46 (U-233 PERFORMANCE DATA) \$
 CRD NO....47 \$
 CRD NO....48 UIRCIN=326.8 \$ INVERSE OF X KG U-233 LOAD REQUIRED FOR 1000 MWE
 CRD NO....49 UIRCDC=636.9 \$ INVERSE OF X KG U-233 DISCHARGE PER 1000 MWE

00000280
 00000290
 00000300
 00000310
 00000320
 00000330
 00000340
 00000350
 00000360
 00000370
 00000380
 00000390
 00000400
 00000410
 00000420
 00000430
 00000440
 00000450
 00000460
 00000470
 00000480
 00000490
 00000500
 00000510
 00000520
 00000530
 00000540
 00000550
 00000560
 00000570
 00000580
 00000590
 00000600
 00000610
 00000620
 00000630
 00000640
 00000650
 00000660
 00000670
 00000680
 00000690
 00000700
 00000710
 00000720
 00000730
 00000740
 00000750
 00000760

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CRD NO...50 (GCR U-233 CONSUMPTION RATE - KG U-233/MWE-YR AT 100% CF) \$ 00000770
CRD NO...51 UIRICR(30) = 0.6815, UIRICR(121) = 0.6815 \$ 00000780
CRD NO...52 (GCR U-233 RECYCLE INVENTORY - (MILLS/KWE-HRO)/(\$/GM PU)) \$ 00000790
CRD NO...53 UIRIIS(30) = 0.0741, UIRIIS(121) = 0.0741 \$ 00000800
CRD NO...54 (VALUE OF U-233 AFTER ONE RECYCLE - %/100) \$ 00000810
CRD NO...55 FUIVAU = 1.00 \$ 00000820
CRD NO...56 (NET U-233 PRODUCTION -- KG U-233 FISSILE/MWE-YR AT 100% CF) \$ 00000830
CRD NO...57 GCRUIP(45) = 0.235, GCRUIP(121) = 0.235 \$ 00000840
CRD NO...58 (U-233 CREDIT BASED ON LEVELIZATION PERIOD-(MILLS/KWHR)/(\$/GM)) \$ 00000850
CRD NO...59 GCRSFI = 0.0237 00000860
CRD NO...60 \$ 00000870
CRD NO...61 (FUEL SERVICE CHARGES)\$ 00000880
CRD NO...62 \$ 00000890
CRD NO...63 (LWR AND GCR ENRICHMENT COSTS - (M/KWH)/(\$/SWU)) \$ 00000900
CRD NO...64 BWRDEC(30) = 0.0187, BWRDEC(121) = 0.0187 \$ 00000910
CRD NO...65 BWRIEC(30) = 0.0142, BWRIEC(121) = 0.0142 \$ 00000920
CRD NO...66 PWRDEC(30) = 0.0258, PWRDEC(121) = 0.0258 \$ 00000930
CRD NO...67 PWRIEC(30) = 0.0156, PWRIEC(121) = 0.0156 \$ 00000940
CRD NO...68 GCRDEC(30) = 0.0154, GCRDEC(121) = 0.0154 \$ 00000950
CRD NO...69 GCRIEC(30) = 0.00966, GCRIEC(121) = 0.00966 \$ 00000960
CRD NO...70 (SEPARATIVE WORK COST - \$/SWU)\$ 00000970
CRD NO...71 ECOST(30)=61., ECOST(37)=61., ECOST(40)=75., ECOST(45)=85. \$ 00000980
CRD NO...72 ECOST(121)=85. \$ 00000990
CRD NO...73 SWUPCF = 0.0 \$ 00001000
CRD NO...74 CONVER(35)=4.5, CONVER(40)=4.5, CONVER(60)=4.5, CONVER(121)=4.5 \$ 00001010
CRD NO...75 (LWR AND GCR URANIUM COST (MILLS/KWH)/(\$/LB U308)) \$ 00001020
CRD NO...76 BWRDUC(30) = 0.0368, BWRDUC(121) = 0.0368 \$ 00001030
CRD NO...77 BWRIUC(30) = 0.0364, BWRIUC(121) = 0.0364 \$ 00001040
CRD NO...78 PWRDUC(30) = 0.0503, PWRDUC(121) = 0.0503 \$ 00001050
CRD NO...79 PWRIUC(30) = 0.0458, PWRIUC(121) = 0.0458 \$ 00001060
CRD NO...80 GCRDUC(30) = 0.0407, GCRDUC(121) = 0.0407 \$ 00001070
CRD NO...81 GCRIUC(30) = 0.0468, GCRIUC(121) = 0.0468 \$ 00001080
CRD NO...82 (BWR,PWR,HTGR URANIUM INVENTORY FACTORS)\$ 00001090
CRD NO...83 UINVEN(1)=1.50,1.50,1.50 \$ 00001100
CRD NO...84 (BWR,PWR,GCR URANIUM ENRICHMENTS -- WEIGHT PERCENT U235)\$ 00001110
CRD NO...85 EPNINT(1)=.93,.93,.0203 \$ 00001120
CRD NO...86 EPNRLD(1)=.93,.93,.0273 \$ 00001130
CRD NO...87 EPNOUT(1)=.002,.002,.008 \$ 00001140
CRD NO...88 (TAILS COMPOSITION - WT%U235)\$ 00001150
CRD NO...89 TAILS=0.20\$ 00001160
CRD NO...90 TAILSL=0.0001\$ 00001170
CRD NO...91 (FABRICATION CHARGES - MILLS/KWE-HRO)\$ 00001180
CRD NO...92 BWRFAB(30)=.537,BWRFAB(121)=.537 \$ 00001190
CRD NO...93 PWRFAB(30)=1.973,PWRFAB(121)=1.973 \$ 00001200
CRD NO...94 PURFAB(30)=2.025,PURFAB(121)=2.025 \$ 00001210
CRD NO...95 GCRFAB(30)=0.810,GCRFAB(121)=0.810 \$ 00001220
CRD NO...96 UIRFAB(30)=3.00,UIRFAB(121)=3.00 \$ 00001230
CRD NO...97 FBRFAB(30)=1.746,FBRFAB(121)=1.746 \$ 00001240
CRD NO...98 (RECOVERY CHARGES - MILLS/KWE-HRO)\$ 00001250
CRD NO...99 BWRREC(30)=0.1080,BWRREC(121)=0.1080 \$ 00001260
CRD NO...100 PWRREC(30)=1.978,PWRREC(121)=1.978 \$ 00001270
CRD NO...101 PURREC(30)=1.656,PURREC(121)=1.656 \$ 00001280

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CRD NO. 102 GCRREC(30)=1.03,GCRREC(121)=1.03 \$ 00001290
CRD NO. 103 UIRREC(30)=1.03,UIRREC(121)=1.03 \$ 00001300
CRD NO. 104 FBRREC(30)=1.353,FBRREC(121)=1.353 \$ 00001310
CRD NO. 105 (OPERATING & MAINTENANCE COSTS - MILLS/KWE-HRO) \$ 00001320
CRD NO. 106 FOSOM(30)=1.60,FOSOM(121)=1.60 \$ 00001330
CRD NO. 107 BWROM(30)=2.12,BWROM(121)=2.12 \$ 00001340
CRD NO. 108 PWROM(30)=2.12,PWROM(121)=2.12 \$ 00001350
CRD NO. 109 PUROM(30)=2.12,PUROM(121)=2.12 \$ 00001360
CRD NO. 110 GCROM(30)=2.12,GCROM(121)=2.12 \$ 00001370
CRD NO. 111 UIROM(30)=2.12,UIROM(121)=2.12 \$ 00001380
CRD NO. 112 FBROM(30)=2.12,FBROM(121)=2.12 \$ 00001390
CRD NO. 113 (CAPITAL COSTS -- \$/KWE) \$ 00001400
CRD NO. 114 FOCC(1) = 500.0 , 99999.0 , 99999.0 \$ 00001410
CRD NO. 115 BWRCC(1)=660. , BWRCC(121)=660. \$ 00001420
CRD NO. 116 PWRCC(1)=660. , PWRCC(121)=660. \$ 00001430
CRD NO. 117 GCRCC(1)=600. , GCRCC(121)=600. \$ 00001440
CRD NO. 118 FBRCC(1)=660. ,FBRCC(121)=660. \$ 00001450
CRD NO. 119 \$ 00001460
CRD NO. 120 (ANNUAL INFLATION RATES - %/100)\$ 00001470
CRD NO. 121 \$ 00001480
CRD NO. 122 RATEML(20)=.06,RATEML(121)=.06 \$ 00001490
CRD NO. 123 RATEM(20)=.06,RATEM(121)=.06 \$ 00001500
CRD NO. 124 RATEFL(20)=.06,RATEFL(121)=.06 \$ 00001510
CRD NO. 125 RATEG(1)=.06,RATEG(121)=.06 \$ 00001520
CRD NO. 126 RATEN(20)=.06,RATEN(121)=.06 \$ 00001530
CRD NO. 127 JTRIP=150 \$ 00001540
CRD NO. 128 \$ 00001550
CRD NO. 129 (MATERIAL AND LABOR SPLITS)\$ 00001560
CRD NO. 130 \$ 00001570
CRD NO. 131 FLBFAB=.1,FMBFAB=.9,FLBREC=.3,FMBREC=.2,FLBOM=1.0 \$ 00001580
CRD NO. 132 FLBCC=1.0,FMBCC=0.00 \$ 00001590
CRD NO. 133 FLFCC=1.0,FMFCC=0.00,FLFOM=1.0 \$ 00001600
CRD NO. 134 FLLCC=1.0,FMLCC=0.00 \$ 00001610
CRD NO. 135 FLLFAB=.61 ,FMLFAB=.39 ,FLLREC=.45,FMLREC=.3 ,FLLOM=1.0 \$ 00001620
CRD NO. 136 FLLEC=.15 ,FMLEC=.55 ,FLLUC=.5,FMLUC=.4 \$ 00001630
CRD NO. 137 FLPFAB=.4,FMPPFAB=.6,FLPREC=.45,FMPREC=.3,FLPUOM=1.0 \$ 00001640
CRD NO. 138 FLGCC=1.0,FMGCC=0.00 \$ 00001650
CRD NO. 139 FLGFAB=.61 ,FMGFAB=.39 ,FLGREC=.45,FMGREC=.3 ,FLGOM=1.0 \$ 00001660
CRD NO. 140 FLGEC=.15 ,FMGEC=.55 ,FLGUC=.5,FMGUC=.4 \$ 00001670
CRD NO. 141 FLIFAB=.4,FMIFAB=.6,FLIREC=.45,FMIREC=.3,FLUIOM=1.0 \$ 00001680
CRD NO. 142 \$ 00001690
CRD NO. 143 (ECONOMICS - INTEREST & DISCOUNT RATES - %/100)\$ 00001700
CRD NO. 144 \$ 00001710
CRD NO. 145 R=0.1024 \$ 00001720
CRD NO. 146 DRWOTP=0.1236,DRWTP=0.1130 \$ 00001730
CRD NO. 147 (EFFECTIVE INTEREST RATE PLUS TAXES)\$ 00001740
CRD NO. 148 EINRPT=0.1556 \$ 00001750
CRD NO. 149 FBRD30=0.0252 \$ 00001760
CRD NO. 150 FBRI30=0.1187 \$ 00001770
CRD NO. 151 FBRICR=0.1300 \$ 00001780
CRD NO. 152 FBRDJB = 0.0193 , FBRIJB = 0.1288 \$ 00001790
CRD NO. 153 (AVERAGE CAPITAL CHARGE RATE)\$ 00001800

CRD NO. 154 AVECCR=0.1464 \$
 CRD NO. 155 ACCR30 = 0.1380 \$
 CRD NO. 156 (REGIONAL CAPITAL CHARGE RATE MULTIPLIERS)\$
 CRD NO. 157 CCR(1)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 CRD NO. 158 CCR(10)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 CRD NO. 159 CCR(19)=1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 CRD NO. 160 \$
 CRD NO. 161 (MISCELLANEOUS INPUTS)\$
 CRD NO. 162 \$
 CRD NO. 163 A1=2.0,A3=0.5465 \$
 CRD NO. 164 (YR IN WHICH URAN RECYCLE BEGINS & TIME TO DEPLETION)\$
 CRD NO. 165 LFYUR =2005 , LTDURS = 1 \$
 CRD NO. 166 (YR IN WHICH PU RECYCLE BEGINS & TIME TO DEPLETION OF STOCKPILE)\$
 CRD NO. 167 LFYPUR = 2005 \$
 CRD NO. 168 LTDPUS = 4 \$
 CRD NO. 169 (YR OF GCR INTRO, YR U-233 RECYCLE BEGINS, YRS TO STOCK DEplete) \$
 CRD NO. 170 G1 = 1995. , LFYUR = 1990 , LTDURS = 10 \$
 CRD NO. 171 (FRACTION OF THE CAPITAL COST WHICH IS INTEREST DURING CONSTRUCTION)\$
 CRD NO. 172 CINDC = 0.0 \$
 CRD NO. 173 HTGRF = 0.00 \$
 CRD NO. 174 GCRLIM(1)=1.,2.,4.,6.,9.,12.,14.,16.,18.,20. \$
 CRD NO. 175 FBRLIM(1)=1.,2.,4.,6.,9.,12.,14.,16.,18.,20. \$
 CRD NO. 176 JB = 16 \$ D1 = 2010. \$
 CRD NO. 177 NY = 2050 , LYEAR = 2020
 CRD NO. 178 IFIRST = 2001 \$
 CRD NO. 179 IBTOPW = 2005 \$
 CRD NO. 180 (CAPACITY FACTOR INFORMATION)\$
 CRD NO. 181 RL11 = 0.70 , RL21 = 0.80 , RL31 = 0.80 , RL61 = 0.70 \$
 CRD NO. 182 C(1)=1.0,C(6)=1.0,C(40)=.815,C(81)=.421,C(82)=0.0 \$
 CRD NO. 183 (BWR TO LWR FRACTION)\$
 CRD NO. 184 BWRLWR=1.00\$
 CRD NO. 185 NOUT(1)=1,3,1,1,1,1,1,0,0,0,1,0,1,1,1,1,0,0,1,0 \$
 CRD NO. 186 NOUT(21)=1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1 \$
 DTA CALL NO.2 INPUT EDITS

00001810
 00001820
 00001830
 00001840
 00001850
 00001860
 00001870
 00001880
 00001890
 00001900
 00001910
 00001920
 00001930
 00001940
 00001950
 00001960
 00001970
 00001980
 00001990
 00002000
 00002010
 00002020
 00002030
 00002040
 00002050
 00002060
 00002070
 00002080
 00002090
 00002100
 00002110
 00002120
 00002130

CRD NO.1 (CURRENT AVERAGE FOSSIL FUEL COST FOR EXISTING PLANTS - C/MBTU)\$
 CRD NO.2 CAFOFC = 90.0 \$
 CRD NO.3 (AVERAGE FOSSIL FUEL COSTS - COAL - OIL - GAS - CENTS/MBTU)\$
 CRD NO.4 AFOFC(1) = 100.0, 999999.0, 999999.0 \$
 CRD NO.5 (FOSSIL FUEL COST MULTIPLIERS - FOFC(I,J) - I=FUEL,J=REGION)\$
 CRD NO.6 FOFC(1,1) = 1.108,1.,1. \$
 CRD NO.7 FOFC(1,2) = 1.517,1.,1. \$
 CRD NO.8 FOFC(1,3) = 1.517,1.,1. \$
 CRD NO.9 FOFC(1,4) = 1.913,1.,1. \$
 CRD NO.10 FOFC(1,5) = 0.726,1.,1. \$
 CRD NO.11 FOFC(1,6) = 1.082,1.,1. \$
 CRD NO.12 FOFC(1,7) = 1.082,1.,1. \$
 CRD NO.13 FOFC(1,8) = 1.610,1.,1. \$
 CRD NO.14 FOFC(1,9) = 0.699,1.,1. \$
 CRD NO.15 FOFC(1,10) = 1.240,1.,1. \$
 CRD NO.16 FOFC(1,11) = 1.240,1.,1. \$

00002140
 00002150
 00002160
 00002170
 00002180
 00002190
 00002200
 00002210
 00002220
 00002230
 00002240
 00002250
 00002260
 00002270
 00002280
 00002290

CRD NO...17 FOFC(1,12)= 1.728,1.,1. \$
 CRD NO...18 FOFC(1,13)= 0.475,1.,1. \$
 CRD NO...19 FOFC(1,14)= 0.765,1.,1. \$
 CRD NO...20 FOFC(1,15)= 0.765,1.,1. \$
 CRD NO...21 FOFC(1,16)= 0.990,1.,1. \$
 CRD NO...22 FOFC(1,17)= 0.237,1.,1. \$
 CRD NO...23 FOFC(1,18)= 0.237,1.,1. \$
 CRD NO...24 FOFC(1,19)= 0.581,1.,1. \$
 CRD NO...25 FOFC(1,20)= 1.003,1.,1. \$
 CRD NO...26 FOFC(1,21)= 0.396,1.,1. \$
 CRD NO...27 FOFC(1,22)= 0.396,1.,1. \$
 CRD NO...28 FOFC(1,23)= 1.346,1.,1. \$
 CRD NO...29 FOFC(1,24)= 1.346,1.,1. \$
 CRD NO...30 (FOSSIL FUEL ESCALATION RATES)\$
 CRD NO...31 FFER(1,30)=.01147,.01147,.01147 \$
 CRD NO...32 FFER(1,121)=.01147,.01147,.01147 \$
 CRD NO...33 (FOSSIL THERMAL EFFICIENCIES)
 CRD NO...34 FEFF(1) = 0.38 , 0.38 , 0.38 \$
 CRD NO...35 (NUCLEAR LABOR COST MULTIPLIERS BY REGION)\$
 CRD NO...36 LCMN(1) = 1.086,1.086,1.086,1.086,0.935,0.935,0.935,0.935,1.036,1.036 \$
 CRD NO...37 LCMN(11)=1.036,1.036,0.985,0.985,0.985,0.985,0.960,0.960,0.960,0.960 \$
 CRD NO...38 LCMN(21)= 0.998,0.998,0.998,0.998 \$
 CRD NO...39 (FOSSIL LABOR COST MULTIPLIERS BY REGION)\$
 CRD NO...40 LCMF(1) =1.072,1.072,1.072,1.072,0.936,0.936,0.936,0.936,1.030,1.030 \$
 CRD NO...41 LCMF(11)=1.030,1.030,1.001,1.001,1.001,1.001,0.959,0.959,0.959,0.959 \$
 CRD NO...42 LCMF(21)=0.857,0.857,0.857,0.857 \$
 CRD NO...43 (GROWTH RATES)\$
 CRD NO...44 GROW(20)=0.05,GROW(60)=0.05,GROW(61)=0.035,GROW(80)=0.035 \$
 CRD NO...45 GROW(81)=0.05 \$
 CRD NO...46 RGROW(1)=0.852,0.852,0.852,0.852,1.239,1.239,1.239,1.239,0.936,0.936 \$
 CRD NO...47 RGROW(11)=0.936,0.936,0.937,0.937,0.937,0.937,1.239,1.239,1.239,1.239 \$
 CRD NO...48 RGROW(21)=1.014,1.014,1.014,1.014 \$
 CRD NO...49 (1975 REGIONAL INSTALLED CAPACITIES - MWE)\$
 CRD NO...50 CAPBY(1)=26109.,16038.,16039.,16411.,13729.,20190.,20190.,26650. \$
 CRD NO...51 CAPBY(9)=16931.,18744.,18745.,6047.,8134.,12426.,12426.,12200. \$
 CRD NO...52 CAPBY(17)=16304.,16304.,8454.,19323.,13802.,13802.,20703.,20703. \$\$

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THE ABOVE CASE HAS BEEN SKIPPED (A1 IS GREATER THAN 1.0).

START OF CASE (
DTA CALL NO.....3

110877

INPUT EDITS

CRD NO....1 (CASE # 1 , LWR ONLY - NO RECYCLE) \$
CRD NO....2 A1 = 0.0 \$
CRD NO....3 NOUT(9) = 1 , NOUT(12) = 1 \$
CRD NO....4 G1 = 2051 , D1 = 2051 \$
CRD NO....5 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 \$
CRD NO....6 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 \$
CRD NO....7 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 \$
CRD NO....8 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 \$
CRD NO....9 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 \$
CRD NO....10 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 \$
CRD NO....11 UIRREC(30) = 0.475 , UIRREC(121) = 0.475 \$
CRD NO....12 LFYPUR = 2051 , LFYUIR = 2051 \$
CRD NO....13 GCRSFI = 0.0 , CGUINV = 0.0 \$

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8139T 03 11-08-77 19.313

CRD NO...14 EPNOUT(3) = 0.002 \$\$

DTA CALL NO.....4

INPUT EDITS

PAGE 6

00002800

CRD NO....1 \$\$

00002810

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	988.3	0.	1397.7	0.	2010.11	1798.20	1041.29
2	1596.6	0.	789.4	0.	1963.99	1698.41	1041.29
3	1552.8	0.	833.2	0.	1937.84	1708.34	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	0.	0.	16.0	171.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	0.	0.	17.0	188.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	0.	0.	18.0	206.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	0.	0.	19.0	225.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	0.	0.	20.0	244.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	0.	0.	20.5	265.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	0.	0.	21.0	286.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	0.	0.	22.0	308.	0.	0.
95	940.	34.9	609.	0.	0.	0.	0.	0.	0.	22.5	330.	0.	0.	22.5	330.	0.	0.
96	987.	37.5	633.	0.	0.	0.	0.	0.	0.	23.0	353.	0.	0.	23.0	353.	0.	0.
97	1036.	40.3	660.	0.	0.	0.	0.	0.	0.	23.5	376.	0.	0.	23.5	376.	0.	0.
98	1088.	43.3	688.	0.	0.	0.	0.	0.	0.	24.0	400.	0.	0.	24.0	400.	0.	0.
99	1142.	46.4	718.	0.	0.	0.	0.	0.	0.	24.5	423.	0.	0.	24.5	423.	0.	0.
00	1199.	49.8	753.	0.	0.	0.	0.	0.	0.	25.0	446.	0.	0.	25.0	446.	0.	0.
01	1241.	21.7	759.	0.	0.	0.	0.	0.	0.	39.1	482.	0.	0.	39.1	482.	0.	0.
02	1285.	23.5	766.	0.	0.	0.	0.	0.	0.	42.4	519.	0.	0.	42.4	519.	0.	0.
03	1330.	24.7	775.	0.	0.	0.	0.	0.	0.	44.4	554.	0.	0.	44.4	554.	0.	0.
04	1376.	25.8	786.	0.	0.	0.	0.	0.	0.	46.4	589.	0.	0.	46.4	589.	0.	0.
05	1424.	29.0	794.	0.	0.	0.	0.	0.	0.	46.7	630.	0.	0.	46.7	630.	0.	0.
06	1474.	35.7	807.	0.	0.	0.	0.	0.	0.	43.6	667.	0.	0.	43.6	667.	0.	0.
07	1526.	37.4	822.	0.	0.	0.	0.	0.	0.	45.7	704.	0.	0.	45.7	704.	0.	0.
08	1579.	49.5	855.	0.	0.	0.	0.	0.	0.	27.9	724.	0.	0.	27.9	724.	0.	0.
09	1634.	51.5	889.	0.	0.	0.	0.	0.	0.	28.9	745.	0.	0.	28.9	745.	0.	0.
10	1691.	53.6	925.	0.	0.	0.	0.	0.	0.	30.0	766.	0.	0.	30.0	766.	0.	0.
11	1751.	62.2	970.	0.	0.	0.	0.	0.	0.	24.7	781.	0.	0.	24.7	781.	0.	0.
12	1812.	64.7	1017.	0.	0.	0.	0.	0.	0.	25.6	795.	0.	0.	25.6	795.	0.	0.
13	1875.	76.3	1074.	0.	0.	0.	0.	0.	0.	17.6	801.	0.	0.	17.6	801.	0.	0.
14	1941.	79.3	1135.	0.	0.	0.	0.	0.	0.	18.3	806.	0.	0.	18.3	806.	0.	0.
15	2009.	82.5	1198.	0.	0.	0.	0.	0.	0.	19.0	811.	0.	0.	19.0	811.	0.	0.
16	2079.	85.8	1263.	0.	0.	0.	0.	0.	0.	19.8	816.	0.	0.	19.8	816.	0.	0.
17	2152.	89.2	1331.	0.	0.	0.	0.	0.	0.	20.5	821.	0.	0.	20.5	821.	0.	0.
18	2227.	92.8	1402.	0.	0.	0.	0.	0.	0.	21.3	825.	0.	0.	21.3	825.	0.	0.
19	2305.	96.5	1476.	0.	0.	0.	0.	0.	0.	22.2	829.	0.	0.	22.2	829.	0.	0.
20	2386.	100.4	1553.	0.	0.	0.	0.	0.	0.	22.0	833.	0.	0.	23.0	833.	0.	0.
21	2339.	0.	1526.	0.	0.	0.	0.	0.	0.	0.	813.	0.	0.	0.	813.	0.	0.
22	2290.	0.	1498.	0.	0.	0.	0.	0.	0.	0.	793.	0.	0.	0.	793.	0.	0.
23	2277.	0.	1477.	0.	0.	0.	0.	0.	0.	0.	772.	0.	0.	0.	772.	0.	0.

24	2184.	0.	1434.	0.	0.	0.	0.	0.	0.	0.	750.	0.	0.	0.	750.	0.	0.
25	2127.	0.	1399.	0.	0.	0.	0.	0.	0.	0.	727.	0.	0.	0.	727.	0.	0.
26	2066.	0.	1362.	0.	0.	0.	0.	0.	0.	0.	704.	0.	0.	0.	704.	0.	0.
27	2002.	0.	1322.	0.	0.	0.	0.	0.	0.	0.	681.	0.	0.	0.	681.	0.	0.
28	1935.	0.	1278.	0.	0.	0.	0.	0.	0.	0.	657.	0.	0.	0.	657.	0.	0.
29	1864.	0.	1232.	0.	0.	0.	0.	0.	0.	0.	632.	0.	0.	0.	632.	0.	0.
30	1789.	0.	1182.	0.	0.	0.	0.	0.	0.	0.	607.	0.	0.	0.	607.	0.	0.
31	1728.	0.	1160.	0.	0.	0.	0.	0.	0.	0.	568.	0.	0.	0.	568.	0.	0.
32	1663.	0.	1137.	0.	0.	0.	0.	0.	0.	0.	526.	0.	0.	0.	526.	0.	0.
33	1594.	0.	1112.	0.	0.	0.	0.	0.	0.	0.	481.	0.	0.	0.	481.	0.	0.
34	1521.	0.	1086.	0.	0.	0.	0.	0.	0.	0.	435.	0.	0.	0.	435.	0.	0.
35	1446.	0.	1057.	0.	0.	0.	0.	0.	0.	0.	388.	0.	0.	0.	388.	0.	0.
36	1366.	0.	1022.	0.	0.	0.	0.	0.	0.	0.	345.	0.	0.	0.	345.	0.	0.
37	1283.	0.	984.	0.	0.	0.	0.	0.	0.	0.	299.	0.	0.	0.	299.	0.	0.
38	1206.	0.	935.	0.	0.	0.	0.	0.	0.	0.	271.	0.	0.	0.	271.	0.	0.
39	1125.	0.	883.	0.	0.	0.	0.	0.	0.	0.	242.	0.	0.	0.	242.	0.	0.
40	1042.	0.	830.	0.	0.	0.	0.	0.	0.	0.	212.	0.	0.	0.	212.	0.	0.
41	955.	0.	767.	0.	0.	0.	0.	0.	0.	0.	187.	0.	0.	0.	187.	0.	0.
42	865.	0.	703.	0.	0.	0.	0.	0.	0.	0.	162.	0.	0.	0.	162.	0.	0.
43	771.	0.	627.	0.	0.	0.	0.	0.	0.	0.	144.	0.	0.	0.	144.	0.	0.
44	673.	0.	547.	0.	0.	0.	0.	0.	0.	0.	126.	0.	0.	0.	126.	0.	0.
45	572.	0.	465.	0.	0.	0.	0.	0.	0.	0.	107.	0.	0.	0.	107.	0.	0.
46	466.	0.	379.	0.	0.	0.	0.	0.	0.	0.	87.	0.	0.	0.	87.	0.	0.
47	356.	0.	290.	0.	0.	0.	0.	0.	0.	0.	67.	0.	0.	0.	67.	0.	0.
48	242.	0.	197.	0.	0.	0.	0.	0.	0.	0.	45.	0.	0.	0.	45.	0.	0.
49	123.	0.	100.	0.	0.	0.	0.	0.	0.	0.	23.	0.	0.	0.	23.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.	-0.0	-0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES										TOTALS	
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR				FBR				WITH PU	W/O PU	
						FUEL O&M	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES			PU PURCHASES
77	11.45	5.18	0.	16.63	15.47	1.04	0.48	0.18	0.	0.	0.	0.	0.	33.80	33.80	
78	19.44	9.17	0.	28.61	30.42	2.15	1.50	0.72	0.	0.	0.	0.	0.	63.40	63.40	
79	26.96	13.58	0.	40.54	44.86	3.33	2.61	1.33	0.	0.	0.	0.	0.	92.67	92.67	
80	34.26	18.11	0.	52.37	58.80	4.59	3.79	2.02	0.	0.	0.	0.	0.	121.57	121.57	
81	41.26	22.86	0.	64.13	72.24	5.92	5.04	2.77	0.	0.	0.	0.	0.	150.10	150.10	
82	48.00	27.80	0.	75.80	85.20	7.33	6.38	3.58	0.	0.	0.	0.	0.	178.29	178.29	
83	54.51	32.87	0.	87.38	97.69	8.82	7.79	4.46	0.	0.	0.	0.	0.	206.14	206.14	
84	60.82	38.06	0.	98.88	109.73	10.38	9.27	5.39	0.	0.	0.	0.	0.	233.65	233.65	
85	66.95	43.33	0.	110.28	121.31	12.02	10.84	6.39	0.	0.	0.	0.	0.	260.84	260.84	
86	72.94	48.66	0.	121.59	132.47	13.73	12.47	7.43	0.	0.	0.	0.	0.	287.70	287.70	
87	78.79	54.02	0.	132.81	143.22	15.51	14.19	8.51	0.	0.	0.	0.	0.	314.23	314.23	
88	84.53	59.39	0.	143.93	153.54	17.35	15.98	9.61	0.	0.	0.	0.	0.	340.41	340.41	
89	90.19	64.76	0.	154.94	163.46	19.26	17.84	10.75	0.	0.	0.	0.	0.	366.25	366.25	
90	95.76	70.10	0.	165.86	172.99	21.22	19.78	11.92	0.	0.	0.	0.	0.	391.77	391.77	
91	101.65	75.41	0.	177.06	182.15	23.23	21.79	13.11	0.	0.	0.	0.	0.	417.34	417.34	
92	107.62	80.54	0.	188.16	190.94	25.29	23.84	14.32	0.	0.	0.	0.	0.	442.55	442.55	
93	113.67	85.50	0.	199.17	199.40	27.39	25.91	15.54	0.	0.	0.	0.	0.	467.41	467.41	
94	119.70	90.40	0.	210.11	207.55	29.51	28.03	16.77	0.	0.	0.	0.	0.	491.97	491.97	
95	125.82	95.13	0.	220.96	215.39	31.67	30.17	18.02	0.	0.	0.	0.	0.	516.20	516.20	
96	132.02	99.70	0.	231.72	222.95	33.84	32.33	19.26	0.	0.	0.	0.	0.	540.10	540.10	
97	138.31	104.09	0.	242.40	230.30	36.02	34.51	20.51	0.	0.	0.	0.	0.	563.74	563.74	
98	144.67	108.33	0.	253.00	237.43	38.21	36.70	21.76	0.	0.	0.	0.	0.	587.09	587.09	
99	151.11	112.41	0.	263.52	244.37	40.39	38.92	23.00	0.	0.	0.	0.	0.	610.20	610.20	
00	157.62	116.33	0.	273.96	251.17	42.57	41.24	24.23	0.	0.	0.	0.	0.	633.17	633.17	
01	160.31	122.13	0.	282.44	257.56	44.78	43.92	25.54	0.	0.	0.	0.	0.	654.25	654.25	
02	163.05	128.06	0.	291.11	263.54	47.03	46.82	26.88	0.	0.	0.	0.	0.	675.39	675.39	
03	165.76	133.91	0.	299.67	269.19	49.30	49.93	28.24	0.	0.	0.	0.	0.	696.33	696.33	
04	168.44	139.69	0.	308.13	274.54	51.57	53.25	29.60	0.	0.	0.	0.	0.	717.08	717.08	
05	171.27	145.17	0.	316.44	279.55	53.86	56.73	30.94	0.	0.	0.	0.	0.	737.53	737.53	
06	174.56	150.00	0.	324.57	284.31	56.15	60.35	32.27	0.	0.	0.	0.	0.	757.64	757.64	
07	177.82	154.77	0.	332.60	288.93	58.42	64.08	33.55	0.	0.	0.	0.	0.	777.58	777.58	
08	181.89	157.52	0.	339.41	293.61	60.63	67.73	34.74	0.	0.	0.	0.	0.	796.13	796.13	
09	185.88	160.21	0.	346.09	298.36	62.78	71.55	35.90	0.	0.	0.	0.	0.	814.68	814.68	
10	189.80	162.84	0.	352.64	303.17	64.86	75.67	37.02	0.	0.	0.	0.	0.	833.35	833.35	
11	194.09	164.88	0.	358.97	308.11	66.86	80.07	38.08	0.	0.	0.	0.	0.	852.09	852.09	
12	198.30	166.88	0.	365.18	313.19	68.78	84.83	39.10	0.	0.	0.	0.	0.	871.08	871.08	
13	202.98	168.18	0.	371.16	318.49	70.61	89.72	40.04	0.	0.	0.	0.	0.	890.02	890.02	
14	207.57	169.45	0.	377.02	324.01	72.35	94.84	40.94	0.	0.	0.	0.	0.	909.16	909.16	
15	212.07	170.70	0.	382.77	329.73	73.99	100.05	41.80	0.	0.	0.	0.	0.	928.34	928.34	

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16	216.49	.71.92	0.	388.41	335.65	75.56	105.23	42.00	0.	0.	0.	0.	0.	947.46	947.46
17	220.83	173.12	0.	393.95	341.75	77.04	110.38	43.38	0.	0.	0.	0.	0.	966.49	966.49
18	225.08	174.29	0.	399.38	348.03	78.45	115.42	44.10	0.	0.	0.	0.	0.	985.38	985.38
19	229.26	175.44	0.	404.70	354.47	79.78	120.28	44.80	0.	0.	0.	0.	0.	1004.03	1004.03
20	233.36	176.57	0.	409.93	361.08	81.04	124.94	45.45	0.	0.	0.	0.	0.	1022.44	1022.44
21	233.36	176.57	0.	409.93	367.29	82.21	128.89	46.02	0.	0.	0.	0.	0.	1034.34	1034.34
22	233.36	176.57	0.	409.93	373.15	83.28	132.55	46.54	0.	0.	0.	0.	0.	1045.44	1045.44
23	233.36	176.57	0.	409.93	378.65	84.26	135.93	47.02	0.	0.	0.	0.	0.	1055.79	1055.79
24	233.36	176.57	0.	409.93	383.82	85.16	139.05	47.46	0.	0.	0.	0.	0.	1065.42	1065.42
25	233.36	176.57	0.	409.93	388.67	85.98	141.93	47.86	0.	0.	0.	0.	0.	1074.36	1074.36
26	233.36	176.57	0.	409.93	393.21	86.74	144.56	48.22	0.	0.	0.	0.	0.	1082.66	1082.66
27	233.36	176.57	0.	409.93	397.44	87.42	146.98	48.55	0.	0.	0.	0.	0.	1090.33	1090.33
28	233.36	176.57	0.	409.93	401.39	88.05	149.19	48.85	0.	0.	0.	0.	0.	1097.41	1097.41
29	233.36	176.57	0.	409.93	405.05	88.62	151.20	49.12	0.	0.	0.	0.	0.	1103.93	1103.93
30	233.36	176.57	0.	409.93	408.45	89.13	153.03	49.37	0.	0.	0.	0.	0.	1109.92	1109.92
31	233.36	176.57	0.	409.93	411.66	89.58	154.54	49.58	0.	0.	0.	0.	0.	1115.30	1115.30
32	233.36	176.57	0.	409.93	414.69	89.98	155.83	49.75	0.	0.	0.	0.	0.	1120.19	1120.19
33	233.36	176.57	0.	409.93	417.56	90.32	156.91	49.90	0.	0.	0.	0.	0.	1124.63	1124.63
34	233.36	176.57	0.	409.93	420.26	90.62	157.80	50.03	0.	0.	0.	0.	0.	1128.63	1128.63
35	233.36	176.57	0.	409.93	422.79	90.86	158.53	50.13	0.	0.	0.	0.	0.	1132.24	1132.24
36	233.36	176.57	0.	409.93	425.16	91.07	159.12	50.22	0.	0.	0.	0.	0.	1135.50	1135.50
37	233.36	176.57	0.	409.93	427.37	91.24	159.57	50.29	0.	0.	0.	0.	0.	1138.39	1138.39
38	233.36	176.57	0.	409.93	429.38	91.38	160.02	50.35	0.	0.	0.	0.	0.	1141.06	1141.06
39	233.36	176.57	0.	409.93	431.21	91.50	160.38	50.40	0.	0.	0.	0.	0.	1143.43	1143.43
40	233.36	176.57	0.	409.93	432.86	91.60	160.67	50.44	0.	0.	0.	0.	0.	1145.50	1145.50
41	233.36	176.57	0.	409.93	434.33	91.68	160.91	50.47	0.	0.	0.	0.	0.	1147.33	1147.33
42	233.36	176.57	0.	409.93	435.62	91.75	161.09	50.50	0.	0.	0.	0.	0.	1148.89	1148.89
43	233.36	176.57	0.	409.93	436.72	91.81	161.26	50.52	0.	0.	0.	0.	0.	1150.24	1150.24
44	233.36	176.57	0.	409.93	437.63	91.86	161.39	50.54	0.	0.	0.	0.	0.	1151.35	1151.35
45	233.36	176.57	0.	409.93	438.37	91.89	161.48	50.56	0.	0.	0.	0.	0.	1152.24	1152.24
46	233.36	176.57	0.	409.93	438.94	91.92	161.54	50.57	0.	0.	0.	0.	0.	1152.91	1152.91
47	233.36	176.57	0.	409.93	439.36	91.94	161.57	50.57	0.	0.	0.	0.	0.	1153.38	1153.38
48	233.36	176.57	0.	409.93	439.63	91.96	161.57	50.58	0.	0.	0.	0.	0.	1153.66	1153.66
49	233.36	176.57	0.	409.93	439.76	91.96	161.57	50.58	0.	0.	0.	0.	0.	1153.80	1153.80
50	233.36	176.57	0.	409.93	439.76	91.96	161.57	50.58	0.00	0.00	0.	0.	0.	1153.80	1153.80

8139T 03 11-08-77 19.357

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE * 2 , LWR ONLY - WITH RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 G1 = 2051.0 , D1 = 2051.0 \$\$
 DTA CALL NO.....2 INPUT EDITS

00002830
 00002840
 00002850

00002860

CRD NO....1 \$\$

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	805.7	0.	1580.3	0.	1772.80	1627.01	1041.29
2	1155.9	0.	1230.2	0.	1654.12	1370.17	1041.29
3	1054.5	0.	1331.5	0.	1596.38	1416.43	1041.29
4	1050.5	0.	1335.5	0.	1560.14	1421.32	1041.29
5	1043.4	0.	1342.7	0.	1538.32	1426.37	1041.29

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	THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	940.	34.9	609.	0.	0.	0.	0.	0.	0.	22.5	330.	17.5	64.	14.8	266.	0.	0.
96	987.	37.5	633.	0.	0.	0.	0.	0.	0.	23.0	353.	18.5	68.	18.6	285.	0.	0.
97	1036.	40.3	660.	0.	0.	0.	0.	0.	0.	23.5	376.	21.6	74.	17.4	301.	0.	0.
98	1088.	43.3	688.	0.	0.	0.	0.	0.	0.	24.0	400.	23.3	81.	17.2	319.	0.	0.
99	1142.	46.4	718.	0.	0.	0.	0.	0.	0.	24.5	423.	24.7	88.	17.3	335.	0.	0.
00	1199.	49.8	753.	0.	0.	0.	0.	0.	0.	25.0	446.	26.1	96.	17.4	350.	0.	0.
01	1241.	15.7	753.	0.	0.	0.	0.	0.	0.	45.2	488.	27.5	102.	39.2	386.	0.	0.
02	1285.	17.0	753.	0.	0.	0.	0.	0.	0.	48.9	531.	29.9	108.	42.3	423.	0.	0.
03	1330.	21.1	759.	0.	0.	0.	0.	0.	0.	47.9	570.	32.7	116.	39.9	454.	0.	0.
04	1376.	22.1	766.	0.	0.	0.	0.	0.	0.	50.1	609.	35.4	126.	40.8	484.	0.	0.
05	1424.	23.2	769.	0.	0.	0.	0.	0.	0.	52.5	655.	37.8	136.	42.2	520.	0.	0.
06	1474.	24.4	771.	0.	0.	0.	0.	0.	0.	54.9	703.	40.1	146.	44.7	557.	0.	0.
07	1526.	29.8	777.	0.	0.	0.	0.	0.	0.	53.4	748.	43.3	157.	42.8	592.	0.	0.
08	1579.	27.8	788.	0.	0.	0.	0.	0.	0.	49.6	791.	46.7	168.	38.3	623.	0.	0.
09	1634.	28.9	800.	0.	0.	0.	0.	0.	0.	51.5	834.	50.0	180.	39.4	654.	0.	0.
10	1691.	30.0	813.	0.	0.	0.	0.	0.	0.	53.5	879.	52.9	193.	40.8	686.	0.	0.
11	1751.	31.3	827.	0.	0.	0.	0.	0.	0.	55.6	924.	55.7	205.	43.2	719.	0.	0.
12	1812.	32.5	841.	0.	0.	0.	0.	0.	0.	57.8	971.	59.1	218.	45.5	753.	0.	0.
13	1875.	33.8	856.	0.	0.	0.	0.	0.	0.	60.1	1019.	62.6	230.	47.4	789.	0.	0.
14	1941.	35.2	873.	0.	0.	0.	0.	0.	0.	62.4	1068.	66.1	244.	49.2	825.	0.	0.
15	2009.	39.0	892.	0.	0.	0.	0.	0.	0.	62.5	1117.	69.5	257.	48.7	860.	0.	0.
16	2079.	48.1	920.	0.	0.	0.	0.	0.	0.	57.5	1159.	72.9	271.	43.6	888.	0.	0.
17	2152.	50.0	949.	0.	0.	0.	0.	0.	0.	59.7	1203.	76.5	285.	45.8	918.	0.	0.
18	2227.	52.1	979.	0.	0.	0.	0.	0.	0.	62.0	1248.	79.9	299.	48.3	949.	0.	0.
19	2305.	54.2	1011.	0.	0.	0.	0.	0.	0.	64.5	1295.	83.3	313.	50.7	982.	0.	0.
20	2386.	56.4	1043.	0.	0.	0.	0.	0.	0.	67.0	1343.	86.7	326.	53.3	1016.	0.	0.
21	2339.	0.	1017.	0.	0.	0.	0.	0.	0.	0.	1323.	90.2	340.	0.	983.	0.	0.
22	2290.	0.	988.	0.	0.	0.	0.	0.	0.	0.	1302.	93.9	354.	0.	948.	0.	0.
23	2239.	0.	957.	0.	0.	0.	0.	0.	0.	0.	1281.	93.8	365.	0.	917.	0.	0.

24	2184.	0.	925.	0.	0.	0.	0.	0.	0.	0.	1259.	93.7	372.	0.	888.	0.	0.
25	2127.	0.	890.	0.	0.	0.	0.	0.	0.	0.	1237.	93.8	375.	0.	862.	0.	0.
26	2066.	0.	852.	0.	0.	0.	0.	0.	0.	0.	1214.	94.0	375.	0.	838.	0.	0.
27	2002.	0.	812.	0.	0.	0.	0.	0.	0.	0.	1190.	94.5	376.	0.	814.	0.	0.
28	1935.	0.	769.	0.	0.	0.	0.	0.	0.	0.	1166.	93.2	375.	0.5	791.	0.	0.
29	1864.	0.	722.	0.	0.	0.	0.	0.	0.	0.	1142.	91.8	374.	1.9	768.	0.	0.
30	1789.	0.	673.	0.	0.	0.	0.	0.	0.	0.	1117.	90.6	370.	3.4	747.	0.	0.
31	1728.	0.	657.	0.	0.	0.	0.	0.	0.	0.	1072.	89.5	365.	5.0	706.	0.	0.
32	1663.	0.	640.	0.	0.	0.	0.	0.	0.	0.	1023.	88.6	361.	4.6	662.	0.	0.
33	1594.	0.	619.	0.	0.	0.	0.	0.	0.	0.	975.	85.8	355.	6.1	620.	0.	0.
34	1521.	0.	597.	0.	0.	0.	0.	0.	0.	0.	925.	82.7	347.	7.9	578.	0.	0.
35	1446.	0.	573.	0.	0.	0.	0.	0.	0.	0.	872.	79.8	337.	9.7	535.	0.	0.
36	1366.	0.	549.	0.	0.	0.	0.	0.	0.	0.	817.	77.0	325.	11.6	492.	0.	0.
37	1283.	0.	519.	0.	0.	0.	0.	0.	0.	0.	764.	74.2	314.	11.6	450.	0.	0.
38	1206.	0.	492.	0.	0.	0.	0.	0.	0.	0.	714.	70.5	302.	12.3	413.	0.	0.
39	1125.	0.	463.	0.	0.	0.	0.	0.	0.	0.	663.	66.6	288.	13.2	374.	0.	0.
40	1042.	0.	433.	0.	0.	0.	0.	0.	0.	0.	609.	63.1	274.	13.9	335.	0.	0.
41	955.	0.	401.	0.	0.	0.	0.	0.	0.	0.	554.	59.6	260.	14.6	294.	0.	0.
42	865.	0.	369.	0.	0.	0.	0.	0.	0.	0.	496.	56.1	246.	14.4	250.	0.	0.
43	771.	0.	335.	0.	0.	0.	0.	0.	0.	0.	436.	51.9	231.	14.7	205.	0.	0.
44	673.	0.	300.	0.	0.	0.	0.	0.	0.	0.	373.	47.6	215.	15.5	158.	0.	0.
45	572.	0.	261.	0.	0.	0.	0.	0.	0.	0.	311.	43.4	199.	16.2	112.	0.	0.
46	466.	0.	213.	0.	0.	0.	0.	0.	0.	0.	253.	39.1	182.	17.0	71.	0.	0.
47	356.	0.	163.	0.	0.	0.	0.	0.	0.	0.	194.	34.8	165.	17.2	29.	0.	0.
48	242.	0.	111.	0.	0.	0.	0.	0.	0.	0.	132.	14.2	132.	17.2	0.	0.	0.
49	123.	0.	56.	0.	0.	0.	0.	0.	0.	0.	67.	-21.1	67.	1.2	0.	0.	0.
50	0.	0.	-0.	0.	0.	0.	0.	0.	0.	0.	0.	-27.9	0.	0.	0.	0.	0.

PRESENT NORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES												
*****	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR					FBR			TOTALS			
*****	*****	*****	*****	*****	*****	FUEL	FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU	WITH	W=O		
*****	*****	*****	*****	*****	*****	O&M	RECOVERY	FEED	SALES	PURCHASES	RECOVERY	SALES	PURCHASES	PU	PU		
*****	*****	*****	*****	*****	*****	O&M	O&M	SEP WK			O&M						
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	33.96	33.96		
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	63.58	63.58		
79	26.96	13.58	0.	40.54	44.86	3.87	2.30	1.31	0.	0.	0.	0.	0.	92.88	92.88		
80	34.26	18.11	0.	52.37	58.80	5.33	3.30	1.99	0.	0.	0.	0.	0.	121.79	121.79		
81	41.26	22.86	0.	64.13	72.24	6.88	4.37	2.72	0.	0.	0.	0.	0.	150.34	150.34		
82	48.00	27.80	0.	75.80	85.20	8.51	5.50	3.52	0.	0.	0.	0.	0.	178.54	178.54		
83	54.51	32.87	0.	87.38	97.69	10.24	6.69	4.38	0.	0.	0.	0.	0.	206.39	206.39		
84	60.82	38.06	0.	98.88	109.73	12.06	7.95	5.29	0.	0.	0.	0.	0.	233.90	233.90		
85	66.95	43.33	0.	110.28	121.31	13.96	9.26	6.27	0.	0.	0.	0.	0.	261.09	261.09		
86	72.94	48.66	0.	121.59	132.44	15.95	10.63	7.29	0.19	0.19	0.	0.	0.	287.91	287.91		
87	78.79	54.02	0.	132.81	143.14	18.07	11.81	8.22	0.39	0.39	0.	0.	0.	314.05	314.05		
88	84.53	59.39	0.	143.93	153.41	20.31	12.99	9.15	0.59	0.59	0.	0.	0.	339.79	339.79		
89	90.19	64.76	0.	154.94	163.28	22.67	14.18	10.06	0.79	0.79	0.	0.	0.	365.14	365.14		
90	95.76	70.10	0.	165.86	172.77	25.15	15.37	10.98	0.99	0.99	0.	0.	0.	390.13	390.13		
91	101.65	75.41	0.	177.06	181.89	27.68	16.77	11.98	1.27	1.27	0.	0.	0.	415.37	415.37		
92	107.62	80.54	0.	188.16	190.61	30.28	18.12	12.95	1.57	1.57	0.	0.	0.	440.12	440.12		
93	113.67	85.50	0.	199.17	198.98	32.94	19.45	13.92	1.87	1.87	0.	0.	0.	464.47	464.47		
94	119.70	90.40	0.	210.11	207.01	35.66	20.80	14.89	2.17	2.17	0.	0.	0.	488.47	488.47		
95	125.82	95.13	0.	220.96	214.71	38.43	22.13	15.85	2.48	2.48	0.	0.	0.	512.08	512.08		
96	132.02	99.70	0.	231.72	222.11	41.23	23.54	16.83	2.81	2.81	0.	0.	0.	535.43	535.43		
97	138.31	104.09	0.	242.40	229.24	44.04	24.91	17.81	3.16	3.16	0.	0.	0.	558.40	558.40		
98	144.67	108.33	0.	253.00	236.11	46.87	26.27	18.77	3.51	3.51	0.	0.	0.	581.01	581.01		
99	151.11	112.41	0.	263.52	242.73	49.70	27.62	19.72	3.86	3.86	0.	0.	0.	603.29	603.29		
00	157.62	116.33	0.	273.96	249.16	52.53	28.96	20.65	4.21	4.21	0.	0.	0.	625.26	625.26		
01	159.57	123.03	0.	282.59	255.12	55.43	30.63	21.72	4.57	4.57	0.	0.	0.	645.50	645.50		
02	161.55	129.86	0.	291.41	260.63	58.41	32.37	22.83	4.95	4.95	0.	0.	0.	665.65	665.65		
03	163.87	136.18	0.	300.05	265.77	61.43	34.10	23.93	5.34	5.34	0.	0.	0.	685.29	685.29		
04	166.17	142.42	0.	308.58	270.60	64.47	35.92	25.04	5.76	5.75	0.	0.	0.	704.61	704.62		
05	168.44	148.57	0.	317.01	275.06	67.56	37.84	26.14	6.21	6.20	0.	0.	0.	723.60	723.61		
06	170.68	154.66	0.	325.34	279.15	70.69	39.87	27.26	6.69	6.67	0.	0.	0.	742.29	742.32		
07	173.27	160.23	0.	333.51	283.05	73.83	41.88	28.32	7.21	7.18	0.	0.	0.	760.56	760.59		
08	175.56	165.12	0.	340.68	286.79	76.97	43.91	29.37	7.75	7.72	0.	0.	0.	777.68	777.71		
09	177.79	169.91	0.	347.71	290.38	80.09	46.00	30.40	8.32	8.29	0.	0.	0.	794.55	794.58		
10	179.99	174.61	0.	354.60	293.83	83.21	48.18	31.41	8.92	8.88	0.	0.	0.	811.18	811.22		
11	182.15	179.21	0.	361.36	297.15	86.30	50.43	32.42	9.55	9.50	0.	0.	0.	827.60	827.65		
12	184.26	183.73	0.	367.99	300.35	89.37	52.78	33.41	10.22	10.15	0.	0.	0.	843.82	843.89		
13	186.34	188.15	0.	374.48	303.43	92.41	55.26	34.39	10.94	10.85	0.	0.	0.	859.89	859.97		
14	188.37	192.49	0.	380.86	306.40	95.42	57.87	35.35	11.69	11.59	0.	0.	0.	875.80	875.90		
15	190.50	196.58	0.	387.09	309.29	98.39	60.60	36.30	12.49	12.37	0.	0.	0.	891.54	891.66		

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16	192.98	200.13	0.	393.12	312.17	101.31	63.45	37.20	13.36	13.22	0.	0.	0.	907.10	907.24
17	195.41	203.62	0.	399.03	315.02	104.17	66.66	38.10	14.31	14.16	0.	0.	0.	922.83	922.86
18	197.80	207.03	0.	404.83	317.86	106.97	70.18	38.98	15.36	15.19	0.	0.	0.	938.66	938.82
19	200.15	210.38	0.	410.53	320.60	109.71	73.98	39.84	16.50	16.32	0.	0.	0.	954.56	954.74
20	202.45	213.66	0.	416.11	323.49	112.40	78.07	40.68	17.72	17.53	0.	0.	0.	970.55	970.70
21	202.45	213.66	0.	416.11	326.09	114.92	81.24	41.37	19.04	18.83	0.	0.	0.	979.51	979.72
22	202.45	213.66	0.	416.11	328.49	117.27	84.31	42.00	20.37	20.14	0.	0.	0.	987.96	988.16
23	202.45	213.66	0.	416.11	330.71	119.46	87.25	42.57	21.69	21.44	0.	0.	0.	995.86	996.11
24	202.45	213.66	0.	416.11	332.76	121.51	89.94	43.09	22.94	22.68	0.	0.	0.	1003.16	1003.42
25	202.45	213.66	0.	416.11	334.64	123.41	92.42	43.57	24.14	23.86	0.	0.	0.	1009.88	1010.15
26	202.45	213.66	0.	416.11	336.35	125.18	94.66	44.00	25.28	24.99	0.	0.	0.	1016.01	1016.30
27	202.45	213.66	0.	416.11	337.90	126.82	96.74	44.39	26.36	26.05	0.	0.	0.	1021.65	1021.96
28	202.45	213.66	0.	416.11	339.30	128.34	98.65	44.75	27.36	27.04	0.	0.	0.	1026.84	1027.16
29	202.45	213.66	0.	416.11	340.55	129.75	100.44	45.09	28.31	27.97	0.	0.	0.	1031.60	1031.94
30	202.45	213.66	0.	416.11	341.66	131.05	102.10	45.39	29.19	28.84	0.	0.	0.	1035.97	1036.32
31	202.45	213.66	0.	416.11	342.70	132.24	103.44	45.66	30.02	29.66	0.	0.	0.	1039.78	1040.15
32	202.45	213.66	0.	416.11	343.68	133.31	104.60	45.88	30.78	30.41	0.	0.	0.	1043.21	1043.58
33	202.45	213.66	0.	416.11	344.59	134.28	105.64	46.09	31.48	31.09	0.	0.	0.	1046.32	1046.71
34	202.45	213.66	0.	416.11	345.44	135.15	106.56	46.27	32.12	31.72	0.	0.	0.	1049.13	1049.53
35	202.45	213.66	0.	416.11	346.22	135.93	107.37	46.43	32.70	32.29	0.	0.	0.	1051.64	1052.05
36	202.45	213.66	0.	416.11	346.94	136.62	108.06	46.56	33.24	32.82	0.	0.	0.	1053.88	1054.29
37	202.45	213.66	0.	416.11	347.59	137.23	108.66	46.68	33.72	33.29	0.	0.	0.	1055.85	1056.28
38	202.45	213.66	0.	416.11	348.19	137.78	109.20	46.78	34.15	33.71	0.	0.	0.	1057.63	1058.06
39	202.45	213.66	0.	416.11	348.73	138.26	109.66	46.87	34.53	34.09	0.	0.	0.	1059.18	1059.63
40	202.45	213.66	0.	416.11	349.22	138.67	110.04	46.94	34.88	34.42	0.	0.	0.	1060.53	1060.98
41	202.45	213.66	0.	416.11	349.65	139.04	110.34	47.00	35.18	34.72	0.	0.	0.	1061.68	1062.14
42	202.45	213.66	0.	416.11	350.04	139.35	110.55	47.05	35.45	34.99	0.	0.	0.	1062.63	1063.10
43	202.45	213.66	0.	416.11	350.38	139.61	110.70	47.08	35.69	35.21	0.	0.	0.	1063.41	1063.89
44	202.45	213.66	0.	416.11	350.68	139.82	110.79	47.11	35.89	35.41	0.	0.	0.	1064.03	1064.51
45	202.45	213.66	0.	416.11	350.93	139.99	110.84	47.12	36.06	35.58	0.	0.	0.	1064.51	1065.00
46	202.45	213.66	0.	416.11	351.13	140.13	110.86	47.13	36.21	35.72	0.	0.	0.	1064.87	1065.36
47	202.45	213.66	0.	416.11	351.28	140.23	110.86	47.13	36.33	35.83	0.	0.	0.	1065.12	1065.61
48	202.45	213.66	0.	416.11	351.37	140.30	110.86	47.13	36.49	35.98	0.	0.	0.	1065.27	1065.78
49	202.45	213.66	0.	416.11	351.42	140.34	110.86	47.13	36.78	36.27	0.	0.	0.	1065.35	1065.86
50	202.45	213.66	0.	416.11	351.42	140.34	110.86	47.13	37.21	36.70	0.	0.	0.	1065.34	1065.86

START OF CASE (
 DTA CALL NO.....7

011379

INPUT EDITS

CRD NO....1 (CASE # 3 , LWR AND 4021 - NO RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , IBTOPW = 2051 \$
 CRD NO....4 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 \$
 CRD NO....5 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 \$
 CRD NO....6 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 \$
 CRD NO....7 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 \$
 CRD NO....8 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 \$
 CRD NO....9 UIRREC(30) = 0.475 , UIRREC(121) = 0.475 \$
 CRD NO....10 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 \$
 CRD NO....11 LFYUIR = 2051 , LFYPUR = 2051 \$
 CRD NO....12 GCRSFI = 0.0 , CGUINV = 0.0 \$
 CRD NO....13 GCRLIM(1) = 1.14, 2.29, 4.57, 6.86, 10.29, 13.71, 16. , 18.29, 20.57, 22.86 \$
 CRD NO....14 EPNOUT(3) = 0.002 \$\$
 DTA CALL NO.....8

00002880
 00002890
 00002900
 00002910
 00002920
 00002930
 00002940
 00002950
 00002960
 00002970
 00002980
 00002990
 00003000
 00003010

INPUT EDITS

CRD NO....1 \$ \$

00003020

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	842.5	1065.9	325.4	0.	1933.98	1807.50	1041.29
2	1076.4	882.1	301.5	0.	1919.70	1766.63	1041.29
3	1069.8	887.8	301.5	0.	1910.50	1767.54	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	0.	0.	16.0	171.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	0.	0.	17.0	188.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	0.	0.	18.0	206.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	0.	0.	19.0	225.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	0.	0.	20.0	244.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	0.	0.	20.5	265.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	0.	0.	21.0	286.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	0.	0.	22.0	308.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	0.	0.	21.4	329.	0.	0.
A-28 96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	0.	0.	20.7	350.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	0.	0.	18.9	368.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	0.	0.	17.1	385.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	0.	0.	14.2	398.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	0.	0.	11.3	407.	0.	0.
01	1234.	15.7	753.	14.0	48.	0.	0.	14.0	48.	29.2	433.	0.	0.	29.2	433.	0.	0.
02	1275.	17.0	753.	16.0	64.	0.	0.	16.0	64.	30.6	458.	0.	0.	30.6	458.	0.	0.
03	1318.	21.1	759.	18.0	82.	0.	0.	18.0	82.	27.3	477.	0.	0.	27.3	477.	0.	0.
04	1361.	22.1	766.	20.0	102.	0.	0.	20.0	102.	27.3	493.	0.	0.	27.3	493.	0.	0.
05	1404.	27.1	773.	42.5	145.	0.	0.	42.5	145.	0.	486.	0.	0.	0.	486.	0.	0.
06	1447.	28.4	778.	44.6	189.	0.	0.	44.6	189.	0.	479.	0.	0.	0.	479.	0.	0.
07	1492.	29.8	785.	46.7	236.	0.	0.	46.7	236.	0.	471.	0.	0.	0.	471.	0.	0.
08	1539.	27.8	796.	43.4	279.	0.	0.	43.4	279.	0.	464.	0.	0.	0.	464.	0.	0.
09	1588.	28.9	808.	45.1	324.	0.	0.	45.1	324.	0.	455.	0.	0.	0.	455.	0.	0.
10	1638.	30.0	821.	46.8	371.	0.	0.	46.8	371.	0.	446.	0.	0.	0.	446.	0.	0.
11	1691.	31.3	834.	48.7	420.	0.	0.	48.7	420.	0.	436.	0.	0.	0.	436.	0.	0.
12	1745.	32.5	849.	50.6	470.	0.	0.	50.6	470.	0.	425.	0.	0.	0.	425.	0.	0.
13	1801.	36.1	866.	50.6	521.	0.	0.	50.6	521.	0.	413.	0.	0.	0.	413.	0.	0.
14	1860.	44.4	892.	46.6	568.	0.	0.	46.6	568.	0.	400.	0.	0.	0.	400.	0.	0.
15	1921.	46.2	919.	48.4	616.	0.	0.	48.4	616.	0.	386.	0.	0.	0.	386.	0.	0.
16	1984.	48.1	946.	50.3	666.	0.	0.	50.3	666.	0.	371.	0.	0.	0.	371.	0.	0.
17	2049.	50.0	975.	52.2	718.	0.	0.	52.2	718.	0.	355.	0.	0.	0.	355.	0.	0.
18	2117.	52.1	1006.	54.3	773.	0.	0.	54.3	773.	0.	338.	0.	0.	0.	338.	0.	0.
19	2187.	54.2	1037.	56.4	829.	0.	0.	56.4	829.	0.	320.	0.	0.	0.	320.	0.	0.
20	2259.	56.4	1070.	58.6	888.	0.	0.	58.6	888.	0.	301.	0.	0.	0.	301.	0.	0.
21	2213.	0.	1043.	0.	888.	0.	0.	0.	888.	0.	281.	0.	0.	0.	281.	0.	0.
22	2163.	0.	1015.	0.	888.	0.	0.	0.	888.	0.	261.	0.	0.	0.	261.	0.	0.
23	984.	0.	984.	0.	888.	0.	0.	0.	888.	0.	240.	0.	0.	0.	240.	0.	0.

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24	2057.	0.	951.	0.	888.	0.	0.	0.	888.	0.	218.	0.	0.	0.	218.	0.
25	2000.	0.	916.	0.	867.	0.	0.	0.	867.	0.	197.	0.	0.	0.	197.	0.
26	1940.	0.	879.	0.	885.	0.	0.	0.	885.	0.	176.	0.	0.	0.	176.	0.
27	1876.	0.	839.	0.	881.	0.	0.	0.	881.	0.	157.	0.	0.	0.	157.	0.
28	1810.	0.	795.	0.	875.	0.	0.	0.	875.	0.	140.	0.	0.	0.	140.	0.
29	1740.	0.	749.	0.	866.	0.	0.	0.	866.	0.	126.	0.	0.	0.	126.	0.
30	1667.	0.	699.	0.	854.	0.	0.	0.	854.	0.	114.	0.	0.	0.	114.	0.
31	1608.	0.	683.	0.	840.	0.	0.	0.	840.	0.	85.	0.	0.	0.	85.	0.
32	1545.	0.	666.	0.	824.	0.	0.	0.	824.	0.	55.	0.	0.	0.	55.	0.
33	1478.	0.	645.	0.	806.	0.	0.	0.	806.	0.	27.	0.	0.	0.	27.	0.
34	1409.	0.	623.	0.	786.	0.	0.	0.	786.	0.	0.	0.	0.	0.	0.	0.
35	1339.	0.	596.	0.	743.	0.	0.	0.	743.	0.	0.	0.	0.	0.	0.	0.
36	1266.	0.	568.	0.	699.	0.	0.	0.	699.	0.	0.	0.	0.	0.	0.	0.
37	1190.	0.	538.	0.	652.	0.	0.	0.	652.	0.	0.	0.	0.	0.	0.	0.
38	1119.	0.	510.	0.	609.	0.	0.	0.	609.	0.	0.	0.	0.	0.	0.	0.
39	1045.	0.	481.	0.	564.	0.	0.	0.	564.	0.	0.	0.	0.	0.	0.	0.
40	968.	0.	451.	0.	517.	0.	0.	0.	517.	0.	0.	0.	0.	0.	0.	0.
41	888.	0.	420.	0.	468.	0.	0.	0.	468.	0.	0.	0.	0.	0.	0.	0.
42	805.	0.	387.	0.	417.	0.	0.	0.	417.	0.	0.	0.	0.	0.	0.	0.
43	718.	0.	351.	0.	367.	0.	0.	0.	367.	0.	0.	0.	0.	0.	0.	0.
44	627.	0.	307.	0.	320.	0.	0.	0.	320.	0.	0.	0.	0.	0.	0.	0.
45	533.	0.	261.	0.	272.	0.	0.	0.	272.	0.	0.	0.	0.	0.	0.	0.
46	434.	0.	213.	0.	222.	0.	0.	0.	222.	0.	0.	0.	0.	0.	0.	0.
47	332.	0.	163.	0.	169.	0.	0.	0.	169.	0.	0.	0.	0.	0.	0.	0.
48	226.	0.	111.	0.	115.	0.	0.	0.	115.	0.	0.	0.	0.	0.	0.	0.
49	115.	0.	56.	0.	59.	0.	0.	0.	59.	0.	0.	0.	0.	0.	0.	0.
50	-0.	0.	-0.	0.	-0.	0.	-0.	0.	59.	0.	0.	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

17	197.22	198.59	0.	395.81	318.48	78.64	107.05	48.83	0.	0.	0.	0.	0.	930.00	930.87
18	199.61	201.88	0.	401.49	321.51	80.44	112.99	50.14	0.	0.	0.	0.	0.	948.81	948.81
19	201.96	205.10	0.	407.06	324.51	82.19	118.82	51.42	0.	0.	0.	0.	0.	966.56	966.56
20	204.26	208.26	0.	412.52	327.49	83.90	124.55	52.69	0.	0.	0.	0.	0.	984.00	984.00
21	204.26	208.26	0.	412.52	330.25	85.48	129.29	53.75	0.	0.	0.	0.	0.	1001.15	1001.15
22	204.26	208.26	0.	412.52	332.81	86.95	133.71	54.73	0.	0.	0.	0.	0.	1011.29	1011.29
23	204.26	208.26	0.	412.52	335.17	88.30	137.83	55.65	0.	0.	0.	0.	0.	1020.72	1020.72
24	204.26	208.26	0.	412.52	337.34	89.56	141.64	56.49	0.	0.	0.	0.	0.	1029.46	1029.46
25	204.26	208.26	0.	412.52	339.33	90.71	145.18	57.28	0.	0.	0.	0.	0.	1037.55	1037.55
26	204.26	208.26	0.	412.52	341.14	91.78	148.47	58.01	0.	0.	0.	0.	0.	1045.02	1045.02
27	204.26	208.26	0.	412.52	342.79	92.76	151.52	58.68	0.	0.	0.	0.	0.	1051.92	1051.92
28	204.26	208.26	0.	412.52	344.28	93.67	154.34	59.31	0.	0.	0.	0.	0.	1058.27	1058.27
29	204.26	208.26	0.	412.52	345.62	94.50	156.97	59.88	0.	0.	0.	0.	0.	1064.12	1064.12
30	204.26	208.26	0.	412.52	346.83	95.27	159.40	60.41	0.	0.	0.	0.	0.	1069.50	1069.50
31	204.26	208.26	0.	412.52	347.96	95.96	161.45	60.88	0.	0.	0.	0.	0.	1074.43	1074.43
32	204.26	208.26	0.	412.52	349.03	96.58	163.26	61.30	0.	0.	0.	0.	0.	1078.78	1078.78
33	204.26	208.26	0.	412.52	350.02	97.13	164.86	61.68	0.	0.	0.	0.	0.	1082.69	1082.69
34	204.26	208.26	0.	412.52	350.95	97.62	166.27	62.02	0.	0.	0.	0.	0.	1086.22	1086.22
35	204.26	208.26	0.	412.52	351.80	98.05	167.58	62.32	0.	0.	0.	0.	0.	1089.37	1089.37
36	204.26	208.26	0.	412.52	352.57	98.44	168.73	62.58	0.	0.	0.	0.	0.	1092.27	1092.27
37	204.26	208.26	0.	412.52	353.28	98.78	169.73	62.80	0.	0.	0.	0.	0.	1094.84	1094.84
38	204.26	208.26	0.	412.52	353.93	99.08	170.62	63.00	0.	0.	0.	0.	0.	1097.12	1097.12
39	204.26	208.26	0.	412.52	354.51	99.34	171.38	63.18	0.	0.	0.	0.	0.	1099.15	1099.15
40	204.26	208.26	0.	412.52	355.05	99.57	172.02	63.32	0.	0.	0.	0.	0.	1100.93	1100.93
41	204.26	208.26	0.	412.52	355.52	99.77	172.56	63.44	0.	0.	0.	0.	0.	1102.48	1102.48
42	204.26	208.26	0.	412.52	355.95	99.93	172.99	63.54	0.	0.	0.	0.	0.	1103.81	1103.81
43	204.26	208.26	0.	412.52	356.33	100.06	173.33	63.63	0.	0.	0.	0.	0.	1104.93	1104.93
44	204.26	208.26	0.	412.52	356.64	100.18	173.61	63.69	0.	0.	0.	0.	0.	1105.87	1105.87
45	204.26	208.26	0.	412.52	356.90	100.26	173.81	63.74	0.	0.	0.	0.	0.	1106.63	1106.63
46	204.26	208.26	0.	412.52	357.10	100.33	173.93	63.77	0.	0.	0.	0.	0.	1107.23	1107.23
47	204.26	208.26	0.	412.52	357.24	100.38	174.00	63.79	0.	0.	0.	0.	0.	1107.66	1107.66
48	204.26	208.26	0.	412.52	357.33	100.41	174.00	63.80	0.	0.	0.	0.	0.	1107.94	1107.94
49	204.26	208.26	0.	412.52	357.38	100.43	174.00	63.80	0.	0.	0.	0.	0.	1108.07	1108.07
50	204.26	208.26	0.	412.52	357.38	100.43	174.00	63.80	0.00	0.	0.	0.	0.	1108.13	1108.13

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 4 , LWR AND 4021 - WITH RECYCLE) \$

00003040

CRD NO....2 A1 = 0.0 \$

00003050

CRD NO....3 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$

00003060

CRD NO....4 D1 = 2051.0 , IBTOPW = 2051 , LFYUIR = 2051 \$\$

00003070

DTA CALL NO.....2

INPUT EDITS

CRD NO....1 \$\$

00003080

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	738.8	1153.6	328.9	0.	1699.79	1584.00	1041.29
2	933.9	992.8	317.6	0.	1640.10	1413.10	1041.29
3	927.1	998.7	317.6	0.	1603.65	1422.66	1041.29
4	927.1	998.7	317.6	0.	1579.35	1422.66	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
A-33 96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	21.5	74.	12.9	294.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	13.6	751.	14.0	48.	0.	0.	14.0	48.	31.3	435.	26.2	99.	26.6	336.	0.	0.
02	1275.	14.7	749.	16.0	64.	0.	0.	16.0	64.	32.9	462.	27.9	104.	28.1	359.	0.	0.
03	1318.	15.4	749.	18.0	82.	0.	0.	18.0	82.	33.0	487.	29.9	109.	27.3	377.	0.	0.
04	1361.	16.2	750.	20.0	102.	0.	0.	20.0	102.	33.2	509.	31.7	116.	26.8	393.	0.	0.
05	1402.	17.0	746.	51.4	153.	0.2	0.	51.1	153.	0.	502.	33.3	123.	0.	380.	0.	0.
06	1444.	17.8	742.	53.8	207.	0.2	0.	53.6	207.	0.	495.	34.6	130.	0.	366.	0.	0.
07	1488.	18.7	738.	56.4	264.	0.2	1.	56.2	263.	0.	487.	34.7	134.	0.	353.	0.	0.
08	1534.	20.1	741.	50.1	314.	0.1	1.	49.9	313.	0.	480.	35.0	138.	0.	342.	0.	0.
09	1582.	21.0	745.	52.0	366.	0.	1.	52.3	365.	0.	472.	35.2	140.	0.	332.	0.	0.
10	1632.	25.9	753.	50.5	416.	0.1	0.	50.5	416.	0.	463.	35.5	140.	0.	322.	0.	0.
11	1684.	31.3	767.	48.7	465.	0.2	0.	48.7	464.	0.	453.	35.6	141.	0.	311.	0.	0.
12	1738.	32.5	781.	50.6	515.	0.1	0.	50.6	515.	0.	442.	35.1	141.	0.	300.	0.	0.
13	1794.	33.8	797.	52.6	568.	0.1	0.	52.5	567.	0.	430.	34.7	141.	0.5	269.	0.	0.
14	1852.	35.2	813.	54.6	623.	0.	0.	54.8	622.	0.	417.	34.2	140.	1.3	277.	0.	0.
15	1912.	36.6	830.	56.8	679.	0.	0.	56.9	679.	0.	403.	33.7	138.	1.9	265.	0.	0.
16	1974.	38.1	848.	59.0	738.	0.	0.	59.1	738.	0.	388.	33.2	136.	2.0	252.	0.	0.
17	2038.	39.6	867.	61.3	800.	0.	0.	61.4	800.	0.	372.	32.3	133.	2.4	238.	0.	0.
18	2104.	41.2	886.	63.8	863.	0.	0.	63.8	863.	0.	355.	31.3	130.	2.9	224.	0.	0.
19	2173.	42.9	906.	66.3	930.	0.	0.	66.3	930.	0.	337.	30.4	127.	3.4	209.	0.	0.
20	2243.	44.7	927.	68.9	999.	0.	0.	68.9	999.	0.	318.	29.3	123.	3.8	194.	0.	0.
21	2197.	0.	900.	0.	999.	0.	0.	0.	999.	0.	298.	28.3	119.	4.0	178.	0.	0.
22	2148.	0.	872.	0.	999.	0.	0.	0.	999.	0.	277.	27.0	115.	4.3	162.	0.	0.
23	2096.	0.	841.	0.	999.	0.	0.	0.	999.	0.	256.	25.7	110.	4.7	146.	0.	0.

24	2041.	0.	809.	0.	999.	0.	0.	0.	999.	0.	234.	24.3	105.	5.1	129.	0.	0.
25	1984.	0.	774.	0.	998.	0.	0.	0.	998.	0.	213.	22.9	100.	5.4	113.	0.	0.
26	1924.	0.	736.	0.	996.	0.	0.	0.	996.	0.	192.	21.4	94.	5.6	98.	0.	0.
27	1861.	0.	696.	0.	992.	0.	0.	0.	992.	0.	173.	19.9	89.	5.7	85.	0.	0.
28	1794.	0.	653.	0.	986.	0.	0.	0.	986.	0.	156.	18.4	83.	5.9	73.	0.	0.
29	1725.	0.	606.	0.	977.	0.	0.	0.	977.	0.	142.	17.0	77.	5.9	65.	0.	0.
30	1652.	0.	556.	0.	965.	0.	0.	0.	965.	0.	130.	15.7	71.	5.7	59.	0.	0.
31	1593.	0.	543.	0.	951.	0.	0.	0.	951.	0.	99.	14.5	66.	5.4	34.	0.	0.
32	1529.	0.	528.	0.	935.	0.	0.	0.	935.	0.	66.	13.4	61.	5.0	6.	0.	0.
33	1463.	0.	513.	0.	917.	0.	0.	0.	917.	0.	33.	-10.4	33.	5.8	0.	0.	0.
34	1393.	0.	496.	0.	897.	0.	0.	0.	897.	0.	-0.	-17.5	-0.	0.	0.	0.	0.
35	1325.	0.	479.	0.	845.	0.	0.	0.	845.	0.	-0.	14.5	-0.	0.	0.	0.	0.
36	1253.	0.	462.	0.	792.	0.	0.	0.	792.	0.	-0.	13.4	-0.	0.	0.	0.	0.
37	1178.	0.	443.	0.	735.	0.	0.	0.	735.	0.	-0.	-10.4	-0.	0.	0.	0.	0.
38	1108.	0.	423.	0.	685.	0.	0.	0.	685.	0.	-0.	-17.5	-0.	0.	0.	0.	0.
39	1035.	0.	402.	0.	633.	0.	0.	0.	633.	0.	-0.	14.5	-0.	0.	0.	0.	0.
40	959.	0.	376.	0.	583.	0.	0.	0.	583.	0.	-0.	13.4	-0.	0.	0.	0.	0.
41	879.	0.	345.	0.	534.	0.	0.	0.	534.	0.	-0.	-10.4	-0.	0.	0.	0.	0.
42	796.	0.	312.	0.	483.	0.	0.	0.	483.	0.	-0.	-17.5	-0.	0.	0.	0.	0.
43	709.	0.	278.	0.	431.	0.	0.	0.	431.	0.	-0.	14.5	-0.	0.	0.	0.	0.
44	619.	0.	243.	0.	376.	0.	0.	0.	376.	0.	-0.	13.4	-0.	0.	0.	0.	0.
45	526.	0.	207.	0.	319.	0.	0.	0.	319.	0.	-0.	-10.4	-0.	0.	0.	0.	0.
46	429.	0.	168.	0.	260.	0.	0.	0.	260.	0.	-0.	-17.5	-0.	0.	0.	0.	0.
47	328.	0.	129.	0.	199.	0.	0.	0.	199.	0.	-0.	14.5	-0.	0.	0.	0.	0.
48	223.	0.	88.	0.	135.	0.	0.	0.	135.	0.	-0.	13.4	-0.	0.	0.	0.	0.
49	114.	0.	45.	0.	69.	0.	0.	0.	69.	0.	-0.	-10.4	-0.	0.	0.	0.	0.
50	0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	-0.	-17.5	-0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES												
**	*****	*****	*****	*****	*****	*****											
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR					FBR					TOTALS	
	*****	*****	*****	*****	*****	*****					*****					*****	
						FUEL	FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU				
						O&M	RECOVERY	FEED	SALES	PURCHASES	RECOVERY	SALES	PURCHASES	WITH	W=0		
							O&M				O&M			PU	PU		
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	33.96	33.96		
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	63.59	63.59		
79	26.96	13.58	0.	40.54	44.86	3.87	2.30	1.31	0.	0.	0.	0.	0.	92.88	92.88		
80	34.26	18.11	0.	52.37	58.80	5.33	3.31	1.99	0.	0.	0.	0.	0.	121.79	121.79		
81	41.26	22.86	0.	64.13	72.24	6.88	4.37	2.73	0.	0.	0.	0.	0.	150.34	150.34		
82	48.00	27.80	0.	75.80	85.20	8.52	5.50	3.52	0.	0.	0.	0.	0.	178.54	178.54		
83	54.51	32.87	0.	87.38	97.69	10.24	6.70	4.38	0.	0.	0.	0.	0.	206.39	206.39		
84	60.82	38.06	0.	98.88	109.73	12.06	7.95	5.30	0.	0.	0.	0.	0.	233.91	233.91		
85	66.95	43.33	0.	110.28	121.31	13.96	9.26	6.28	0.	0.	0.	0.	0.	261.10	261.10		
86	72.94	48.66	0.	121.59	132.44	15.95	10.63	7.29	0.19	0.19	0.	0.	0.	287.92	287.92		
87	78.79	54.02	0.	132.81	143.14	18.07	11.81	8.23	0.39	0.39	0.	0.	0.	314.06	314.06		
88	84.53	59.39	0.	143.93	153.41	20.31	12.99	9.15	0.59	0.59	0.	0.	0.	339.80	339.80		
89	90.19	64.76	0.	154.94	163.28	22.68	14.18	10.07	0.79	0.79	0.	0.	0.	365.15	365.15		
90	95.76	70.10	0.	165.86	172.77	25.15	15.38	10.98	0.99	0.99	0.	0.	0.	390.14	390.14		
91	101.65	75.41	0.	177.06	181.89	27.68	16.78	11.98	1.27	1.27	0.	0.	0.	415.39	415.39		
92	107.62	80.54	0.	188.16	190.61	30.29	18.12	12.96	1.57	1.57	0.	0.	0.	440.14	440.14		
93	113.67	85.50	0.	199.17	198.90	32.95	19.46	13.93	1.87	1.87	0.	0.	0.	464.49	464.49		
94	119.70	90.40	0.	210.11	207.01	35.67	20.80	14.89	2.17	2.17	0.	0.	0.	488.48	488.48		
95	125.82	95.13	0.	220.95	214.71	38.44	22.13	15.86	2.48	2.48	0.	0.	0.	512.08	512.08		
96	132.02	99.67	0.	231.69	222.11	41.22	23.51	16.85	2.81	2.81	0.	0.	0.	535.38	535.38		
97	138.31	104.03	0.	242.34	229.24	44.02	24.85	17.83	3.16	3.16	0.	0.	0.	558.28	558.28		
98	144.67	108.22	0.	252.89	236.07	46.82	26.15	18.81	3.50	3.50	0.	0.	0.	580.74	580.74		
99	151.11	112.24	0.	263.35	242.64	49.60	27.43	19.79	3.84	3.84	0.	0.	0.	602.81	602.81		
00	157.62	116.09	0.	273.71	248.99	52.36	28.67	20.76	4.17	4.17	0.	0.	0.	624.49	624.49		
01	159.30	123.00	0.	282.31	254.83	55.18	30.28	21.90	4.51	4.51	0.	0.	0.	644.50	644.50		
02	161.02	130.07	0.	291.09	260.21	58.06	31.96	23.10	4.85	4.85	0.	0.	0.	664.40	664.40		
03	162.71	137.03	0.	299.75	265.16	60.97	33.67	24.33	5.20	5.20	0.	0.	0.	683.87	683.87		
04	164.39	143.90	0.	308.29	269.74	63.90	35.48	25.59	5.57	5.57	0.	0.	0.	703.01	703.01		
05	166.05	150.53	0.	316.59	273.91	66.83	37.29	26.94	5.95	5.95	0.	0.	0.	721.55	721.55		
06	167.70	157.09	0.	324.78	277.66	69.75	39.21	28.33	6.33	6.33	0.	0.	0.	739.73	739.73		
07	169.33	163.56	0.	332.89	281.13	72.66	41.15	29.72	6.71	6.71	0.	0.	0.	757.55	757.55		
08	170.98	168.99	0.	339.97	284.40	75.52	43.15	31.10	7.08	7.08	0.	0.	0.	774.14	774.14		
09	172.61	174.31	0.	346.92	287.47	78.33	45.25	32.50	7.46	7.46	0.	0.	0.	790.47	790.47		
10	174.50	179.18	0.	353.68	290.40	81.09	47.42	33.88	7.84	7.84	0.	0.	0.	806.47	806.46		
11	176.66	183.61	0.	360.27	293.22	83.77	49.64	35.26	8.20	8.21	0.	0.	0.	822.16	822.16		
12	178.77	187.96	0.	366.73	295.94	86.39	51.96	36.63	8.56	8.57	0.	0.	0.	837.64	837.64		
13	180.85	192.21	0.	373.06	298.57	88.94	54.40	37.99	8.92	8.92	0.	0.	0.	852.97	852.97		
14	182.03	196.39	0.	379.27	301.11	91.42	57.01	39.36	9.27	9.28	0.	0.	0.	868.18	868.17		
15	184.88	200.48	0.	385.36	303.58	93.83	59.77	40.72	9.62	9.63	0.	0.	0.	883.27	883.26		

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16	186.84	204.49	0.	391.34	305.97	96.17	62.80	42.0.	9.97	9.98	0.	0.	0.	898.0.	898.35
17	188.77	208.43	0.	397.20	308.29	98.45	66.29	43.44	10.34	10.35	0.	0.	0.	913.69	913.67
18	190.66	212.29	0.	402.95	310.55	100.66	70.18	44.80	10.72	10.73	0.	0.	0.	929.16	929.14
19	192.52	216.08	0.	408.60	312.75	102.81	74.48	46.14	11.10	11.12	0.	0.	0.	944.80	944.78
20	194.34	219.79	0.	414.14	314.89	104.89	79.21	47.48	11.49	11.51	0.	0.	0.	960.63	960.61
21	194.34	219.79	0.	414.14	316.85	106.83	83.28	48.58	11.88	11.89	0.	0.	0.	969.69	969.67
22	194.34	219.79	0.	414.14	318.65	108.61	87.33	49.62	12.25	12.27	0.	0.	0.	978.36	978.34
23	194.34	219.79	0.	414.14	320.30	110.26	91.18	50.58	12.59	12.61	0.	0.	0.	986.47	986.45
24	194.34	219.79	0.	414.14	321.80	111.78	94.00	51.48	12.90	12.92	0.	0.	0.	994.01	993.99
25	194.34	219.79	0.	414.14	323.15	113.19	98.20	52.32	13.17	13.19	0.	0.	0.	1001.02	1001.00
26	194.34	219.79	0.	414.14	324.37	114.48	101.36	53.10	13.41	13.43	0.	0.	0.	1007.46	1007.44
27	194.34	219.79	0.	414.14	325.48	115.67	104.35	53.83	13.62	13.64	0.	0.	0.	1013.45	1013.43
28	194.34	219.79	0.	414.14	326.41	116.76	107.16	54.50	13.81	13.83	0.	0.	0.	1018.99	1018.97
29	194.34	219.79	0.	414.14	327.24	117.77	109.81	55.13	13.98	13.99	0.	0.	0.	1024.11	1024.09
30	194.34	219.79	0.	414.14	327.97	118.69	112.29	55.71	14.12	14.14	0.	0.	0.	1028.82	1028.80
31	194.34	219.79	0.	414.14	328.64	119.52	114.38	56.23	14.25	14.27	0.	0.	0.	1032.94	1032.92
32	194.34	219.79	0.	414.14	329.28	120.26	116.25	56.70	14.35	14.37	0.	0.	0.	1036.65	1036.63
33	194.34	219.79	0.	414.14	329.88	120.91	117.94	57.12	14.61	14.63	0.	0.	0.	1040.00	1039.98
34	194.34	219.79	0.	414.14	330.44	121.47	119.43	57.50	15.07	15.09	0.	0.	0.	1042.98	1042.97
35	194.34	219.79	0.	414.14	330.96	121.97	120.83	57.83	15.45	15.47	0.	0.	0.	1045.75	1045.73
36	194.34	219.79	0.	414.14	331.45	122.41	122.06	58.13	15.76	15.78	0.	0.	0.	1048.20	1048.18
37	194.34	219.79	0.	414.14	331.91	122.79	123.12	58.38	16.10	16.12	0.	0.	0.	1050.35	1050.33
38	194.34	219.79	0.	414.14	332.33	123.13	124.06	58.61	16.47	16.49	0.	0.	0.	1052.28	1052.26
39	194.34	219.79	0.	414.14	332.72	123.42	124.87	58.80	16.77	16.79	0.	0.	0.	1053.97	1053.95
40	194.34	219.79	0.	414.14	333.07	123.68	125.57	58.96	17.03	17.05	0.	0.	0.	1055.44	1055.42
41	194.34	219.79	0.	414.14	333.38	123.90	126.17	59.11	17.30	17.32	0.	0.	0.	1056.71	1056.69
42	194.34	219.79	0.	414.14	333.65	124.09	126.66	59.23	17.60	17.61	0.	0.	0.	1057.78	1057.76
43	194.34	219.79	0.	414.14	333.87	124.25	127.06	59.32	17.84	17.86	0.	0.	0.	1058.66	1058.64
44	194.34	219.79	0.	414.14	334.06	124.38	127.36	59.40	18.05	18.07	0.	0.	0.	1059.35	1059.33
45	194.34	219.79	0.	414.14	334.21	124.48	127.58	59.46	18.26	18.28	0.	0.	0.	1059.88	1059.86
46	194.34	219.79	0.	414.14	334.33	124.56	127.71	59.50	18.50	18.52	0.	0.	0.	1060.26	1060.24
47	194.34	219.79	0.	414.14	334.41	124.62	127.78	59.52	18.70	18.72	0.	0.	0.	1060.49	1060.47
48	194.34	219.79	0.	414.14	334.47	124.66	127.78	59.53	18.86	18.88	0.	0.	0.	1060.59	1060.57
49	194.34	219.79	0.	414.14	334.50	124.68	127.78	59.53	19.03	19.05	0.	0.	0.	1060.63	1060.61
50	194.34	219.79	0.	414.14	334.50	124.68	127.78	59.53	19.22	19.24	0.	0.	0.	1060.63	1060.61

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 5 , LWR , 4021 , PB AND NB - WITH RECYCLE)\$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16. , 18.29,20.57,22.86 \$
 CRD NO....4 IBTOPW = 2016 \$
 CRD NO....5 D1 = 2051.0 , LFYUIR = 2010 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003100
 00003110
 00003120
 00003130
 00003140

CRD NO....1 \$\$

00003150

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP. WK.
1	771.4	1025.3	442.8	0.	1747.54	1608.76	1041.29
2	1072.6	673.4	543.8	0.	1670.83	1442.78	1041.29
3	1031.6	676.9	582.0	0.	1631.22	1467.72	1041.29
4	981.4	679.3	628.3	0.	1611.47	1482.13	1041.29
5	981.4	679.3	628.3	0.	1598.30	1482.13	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
***** (T H O U S A N D S O F M W) *****																	
	77	390.	22.9	335.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
	78	410.	16.9	347.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
	79	430.	16.9	359.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
	80	452.	17.4	372.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
	81	475.	17.7	384.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
	82	498.	18.0	397.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
	83	523.	18.5	410.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
	84	549.	19.0	423.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
	85	577.	19.6	437.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
	86	606.	20.2	450.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
	87	636.	21.0	465.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
	88	668.	21.8	480.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
	89	701.	22.7	495.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
	90	736.	23.8	511.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
	91	773.	26.6	528.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
	92	812.	28.6	546.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
	93	852.	30.7	566.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
	94	895.	32.5	587.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
	95	939.	34.9	609.	1.0	1.	0.	0.	1.0	21.4	329.	17.5	64.	13.6	265.	0.	0.
A-38	96	986.	37.5	633.	2.0	3.	0.	0.	2.0	20.7	350.	18.5	68.	16.3	282.	0.	0.
	97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	18.9	368.	21.5	74.	12.9	294.	0.	0.
	98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	17.1	385.	23.1	81.	10.6	304.	0.	0.
	99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	14.2	398.	24.2	87.	7.4	311.	0.	0.
	00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	11.3	407.	25.3	94.	4.5	313.	0.	0.
	01	1234.	13.6	751.	14.0	48.	0.	0.	14.0	31.3	435.	26.2	99.	26.6	336.	0.	0.
	02	1275.	14.7	749.	16.0	64.	0.	0.	16.0	32.9	462.	27.9	104.	28.1	359.	0.	0.
	03	1318.	15.4	749.	18.0	82.	0.	0.	18.0	33.0	487.	29.9	109.	27.3	377.	0.	0.
	04	1361.	16.2	750.	20.0	102.	0.	0.	20.0	33.2	509.	31.7	116.	26.8	393.	0.	0.
	05	1402.	17.0	746.	61.4	153.	0.2	0.	51.1	0.	502.	33.3	123.	0.	380.	0.	0.
	06	1444.	17.8	742.	53.8	207.	0.2	0.	53.6	0.	495.	34.6	130.	0.	366.	0.	0.
	07	1488.	18.7	738.	56.4	264.	0.2	1.	56.2	0.	487.	34.7	134.	0.	353.	0.	0.
	08	1534.	20.1	741.	50.1	314.	0.1	1.	49.9	0.	480.	35.0	138.	0.	342.	0.	0.
	09	1582.	21.0	745.	52.0	366.	0.	1.	52.3	0.	472.	35.2	140.	0.	332.	0.	0.
	10	1632.	25.9	753.	50.5	416.	0.1	0.	50.5	0.	463.	35.5	140.	0.	322.	0.	0.
	11	1684.	31.3	767.	48.7	465.	0.2	0.	48.7	0.	453.	35.6	141.	0.	311.	0.	0.
	12	1730.	32.5	781.	50.6	515.	0.1	0.	50.6	0.	442.	35.1	141.	0.	300.	0.	0.
	13	1794.	33.8	797.	52.6	568.	0.1	0.	52.5	0.	430.	34.7	141.	0.5	289.	0.	0.
	14	1852.	35.2	813.	54.6	623.	0.	0.	54.8	0.	417.	34.2	140.	1.3	277.	0.	0.
	15	1912.	36.6	830.	56.8	679.	0.	0.	56.9	0.	403.	33.7	138.	1.9	265.	0.	0.
	16	1982.	48.1	858.	0.	679.	0.	0.	0.1	57.5	445.	33.2	136.	59.4	309.	0.	0.
	17	2055.	50.0	887.	0.	679.	0.	0.	0.1	59.7	489.	32.3	133.	62.2	355.	0.	0.
	18	2130.	52.1	917.	0.	679.	0.	0.	0.	62.0	534.	34.4	134.	61.8	400.	0.	0.
	19	2208.	54.2	949.	0.	679.	0.	0.	0.	64.5	580.	36.7	136.	61.5	444.	0.	0.
	20	2289.	56.4	981.	0.	679.	0.	0.	0.	67.0	628.	38.8	142.	61.4	486.	0.	0.
	21	2242.	0.	955.	0.	679.	0.	0.	0.	0.	608.	40.9	151.	0.	458.	0.	0.
	22	2193.	0.	926.	0.	679.	0.	0.	0.	0.	588.	42.7	159.	0.	429.	0.	0.
	23	2142.	0.	895.	0.	679.	0.	0.	0.	0.	567.	42.3	165.	0.	402.	0.	0.

24	2007.	0.	863.	0.	679.	0.	0.	0.	679.	0.	545.	41.9	168.	0.	377.	0.	0.
25	2030.	0.	828.	0.	678.	0.	0.	0.	678.	0.	523.	41.5	168.	0.	355.	0.	0.
26	1969.	0.	790.	0.	676.	0.	0.	0.	676.	0.	503.	41.2	167.	1.4	336.	0.	0.
27	1906.	0.	750.	0.	672.	0.	0.	0.	672.	0.	484.	41.0	166.	1.3	318.	0.	0.
28	1840.	0.	707.	0.	666.	0.	0.	0.	666.	0.	467.	39.7	164.	2.1	303.	0.	0.
29	1770.	0.	660.	0.	657.	0.	0.	0.	657.	0.	452.	38.6	161.	3.0	292.	0.	0.
30	1697.	0.	611.	0.	645.	0.	0.	0.	645.	0.	441.	37.6	157.	3.6	284.	0.	0.
31	1638.	0.	597.	0.	631.	0.	0.	0.	631.	0.	410.	36.9	153.	4.1	257.	0.	0.
32	1575.	0.	582.	0.	615.	0.	0.	0.	615.	0.	377.	36.3	149.	3.4	228.	0.	0.
33	1508.	0.	567.	0.	597.	0.	0.	0.	597.	0.	344.	34.2	145.	4.4	199.	0.	0.
34	1439.	0.	551.	0.	577.	0.	0.	0.	577.	0.	311.	32.0	139.	5.6	171.	0.	0.
35	1370.	0.	534.	0.	526.	0.	0.	0.	526.	0.	311.	30.0	133.	6.9	178.	0.	0.
36	1299.	0.	516.	0.	472.	0.	0.	0.	472.	0.	311.	28.1	124.	8.2	186.	0.	0.
37	1224.	0.	497.	0.	416.	0.	0.	0.	416.	0.	311.	28.2	118.	6.0	192.	0.	0.
38	1154.	0.	477.	0.	366.	0.	0.	0.	366.	0.	311.	27.6	114.	4.5	197.	0.	0.
39	1081.	0.	456.	0.	314.	0.	0.	0.	314.	0.	311.	26.8	111.	3.2	200.	0.	0.
40	1004.	0.	430.	0.	263.	0.	0.	0.	263.	0.	311.	26.0	109.	2.1	202.	0.	0.
41	924.	0.	399.	0.	215.	0.	0.	0.	215.	0.	311.	25.2	106.	3.0	205.	0.	0.
42	841.	0.	366.	0.	164.	0.	0.	0.	164.	0.	311.	25.3	103.	2.2	207.	0.	0.
43	755.	0.	333.	0.	111.	0.	0.	0.	111.	0.	311.	25.2	102.	1.6	209.	0.	0.
44	665.	0.	297.	0.	57.	0.	0.	0.	57.	0.	311.	24.9	101.	1.1	210.	0.	0.
45	572.	0.	261.	0.	-0.	0.	-0.	0.	0.	0.	311.	24.6	100.	0.6	211.	0.	0.
46	466.	0.	213.	0.	-0.	0.	-0.	0.	0.	0.	253.	24.2	99.	1.1	154.	0.	0.
47	356.	0.	163.	0.	-0.	0.	-0.	0.	0.	0.	194.	24.3	98.	0.8	96.	0.	0.
48	242.	0.	111.	0.	-0.	0.	-0.	0.	0.	0.	132.	21.2	94.	3.7	37.	0.	0.
49	123.	0.	56.	0.	-0.	0.	-0.	0.	0.	0.	67.	-2.8	67.	6.7	0.	0.	0.
50	0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	-0.	-42.8	-0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

EXPENSES																	
YR	CAPITAL INVESTMENTS				TOTALS												
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR								FBR		WITH PU	W/O PU
						FUEL O&M	FABRICATION RECOVERY O&M	URANIUM SEP WK FEED	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES				
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	0.	33.96	33.96	
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	0.	63.59	63.59	
79	26.96	13.58	0.	40.54	44.86	3.87	2.30	1.31	0.	0.	0.	0.	0.	0.	92.88	92.88	
80	34.26	18.11	0.	52.37	58.80	5.33	3.31	1.99	0.	0.	0.	0.	0.	0.	121.79	121.79	
81	41.26	22.86	0.	64.13	72.24	6.88	4.37	2.73	0.	0.	0.	0.	0.	0.	150.34	150.34	
82	48.00	27.80	0.	75.80	85.20	8.52	5.50	3.52	0.	0.	0.	0.	0.	0.	178.54	178.54	
83	54.51	32.87	0.	87.38	97.69	10.24	6.70	4.38	0.	0.	0.	0.	0.	0.	206.39	206.39	
84	60.82	38.06	0.	98.88	109.73	12.06	7.95	5.30	0.	0.	0.	0.	0.	0.	233.91	233.91	
85	66.95	43.33	0.	110.28	121.31	13.96	9.26	6.28	0.	0.	0.	0.	0.	0.	261.10	261.10	
86	72.94	48.66	0.	121.59	132.44	15.95	10.63	7.29	0.19	0.19	0.	0.	0.	0.	287.92	287.92	
87	78.79	54.02	0.	132.81	143.14	18.07	11.81	8.23	0.39	0.39	0.	0.	0.	0.	314.06	314.06	
88	84.53	59.39	0.	143.93	153.41	20.31	12.99	9.15	0.59	0.59	0.	0.	0.	0.	339.80	339.80	
89	90.19	64.76	0.	154.94	163.28	22.68	14.18	10.07	0.79	0.79	0.	0.	0.	0.	365.15	365.15	
90	95.76	70.10	0.	165.86	172.77	25.15	15.38	10.98	0.99	0.99	0.	0.	0.	0.	390.14	390.14	
91	101.65	75.41	0.	177.06	181.89	27.68	16.78	11.98	1.27	1.27	0.	0.	0.	0.	415.39	415.39	
92	107.62	80.54	0.	188.16	190.61	30.29	18.12	12.96	1.57	1.57	0.	0.	0.	0.	440.14	440.14	
93	113.67	85.50	0.	199.17	198.98	32.95	19.46	13.93	1.87	1.87	0.	0.	0.	0.	464.49	464.49	
94	119.70	90.40	0.	210.11	207.01	35.67	20.80	14.89	2.17	2.17	0.	0.	0.	0.	488.48	488.48	
95	125.82	95.13	0.	220.95	214.71	38.44	22.13	15.86	2.48	2.48	0.	0.	0.	0.	512.08	512.08	
96	132.02	99.67	0.	231.69	222.11	41.22	23.51	16.85	2.81	2.81	0.	0.	0.	0.	535.38	535.38	
97	138.31	104.03	0.	242.34	229.24	44.02	24.85	17.83	3.16	3.16	0.	0.	0.	0.	558.28	558.28	
98	144.67	108.22	0.	252.89	236.07	46.82	26.15	18.81	3.50	3.50	0.	0.	0.	0.	580.74	580.74	
99	151.11	112.24	0.	263.35	242.64	49.60	27.43	19.79	3.84	3.84	0.	0.	0.	0.	602.81	602.81	
00	157.62	116.09	0.	273.71	248.99	52.36	28.67	20.76	4.17	4.17	0.	0.	0.	0.	624.49	624.49	
01	159.30	123.00	0.	282.31	254.83	55.18	30.28	21.90	4.51	4.51	0.	0.	0.	0.	644.50	644.50	
02	161.02	130.07	0.	291.09	260.21	58.06	31.96	23.10	4.85	4.85	0.	0.	0.	0.	664.40	664.40	
03	162.71	137.03	0.	299.75	265.16	60.97	33.67	24.33	5.20	5.20	0.	0.	0.	0.	683.87	683.87	
04	164.39	143.90	0.	308.29	269.74	63.90	35.48	25.59	5.57	5.57	0.	0.	0.	0.	703.01	703.01	
05	166.05	150.53	0.	316.59	273.91	66.83	37.28	26.94	5.95	5.95	0.	0.	0.	0.	721.55	721.55	
06	167.70	157.09	0.	324.78	277.66	69.75	39.20	28.33	6.33	6.33	0.	0.	0.	0.	739.73	739.73	
07	169.33	163.56	0.	332.89	281.13	72.66	41.15	29.72	6.71	6.71	0.	0.	0.	0.	757.55	757.55	
08	170.98	168.99	0.	339.97	284.40	75.52	43.15	31.10	7.08	7.08	0.	0.	0.	0.	774.14	774.13	
09	172.61	174.31	0.	346.92	287.47	78.33	45.24	32.50	7.46	7.46	0.	0.	0.	0.	790.46	790.46	
10	174.50	179.18	0.	353.68	290.40	81.09	47.41	33.88	7.84	7.84	0.	0.	0.	0.	806.46	806.45	
11	176.66	183.61	0.	360.27	293.22	83.77	49.63	35.26	8.20	8.21	0.	0.	0.	0.	822.14	822.14	
12	178.77	187.96	0.	366.73	295.94	86.39	51.94	36.63	8.56	8.57	0.	0.	0.	0.	837.62	837.62	
13	180.85	192.21	0.	373.06	298.57	88.94	54.38	37.99	8.92	8.92	0.	0.	0.	0.	852.94	852.94	
14	182.88	196.39	0.	379.27	301.11	91.42	56.97	39.36	9.27	9.28	0.	0.	0.	0.	868.14	868.13	
15	184.88	200.48	0.	385.36	303.58	93.83	59.72	40.72	9.62	9.63	0.	0.	0.	0.	882.22	882.22	

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17	11	207.52	0.	397.31	306.04	96.15	62.35	42.00	9.97	9.98	0.	0.	0.	898.00	898.63
18	192.18	210.93	0.	403.11	310.98	98.52	66.79	43.28	10.38	10.39	0.	0.	0.	914.42	914.41
19	194.83	214.28	0.	408.80	313.44	100.79	70.99	44.52	10.84	10.86	0.	0.	0.	930.41	930.39
20	196.83	217.56	0.	414.39	315.91	103.03	75.56	45.72	11.36	11.38	0.	0.	0.	946.59	946.57
						105.24	80.50	46.89	11.94	11.96	0.	0.	0.	962.95	962.93
21	196.83	217.56	0.	414.39	318.18	107.29	84.40	47.87	12.57	12.59	0.	0.	0.		
22	196.83	217.56	0.	414.39	320.28	109.20	88.21	48.79	13.19	13.21	0.	0.	0.	972.16	972.14
23	196.83	217.56	0.	414.39	322.21	110.98	91.78	49.63	13.78	13.80	0.	0.	0.	980.90	980.88
24	196.83	217.56	0.	414.39	323.98	112.63	95.08	50.41	14.34	14.36	0.	0.	0.	989.01	988.99
25	196.83	217.56	0.	414.39	325.59	114.16	98.16	51.13	14.86	14.88	0.	0.	0.	996.51	996.49
											0.	0.	0.	1003.44	1003.42
26	196.83	217.56	0.	414.39	327.05	115.57	101.01	51.79	15.36	15.38	0.	0.	0.		
27	196.83	217.56	0.	414.39	328.36	116.87	103.68	52.41	15.82	15.84	0.	0.	0.	1009.82	1009.80
28	196.83	217.56	0.	414.39	329.53	118.08	106.18	52.98	16.24	16.26	0.	0.	0.	1015.72	1015.70
29	196.83	217.56	0.	414.39	330.58	119.19	108.54	53.51	16.64	16.66	0.	0.	0.	1021.18	1021.16
30	196.83	217.56	0.	414.39	331.50	120.22	110.74	54.00	17.00	17.02	0.	0.	0.	1026.22	1026.20
											0.	0.	0.	1030.86	1030.84
31	196.83	217.56	0.	414.39	332.36	121.14	112.57	54.42	17.35	17.37	0.	0.	0.		
32	196.83	217.56	0.	414.39	333.18	121.98	114.19	54.81	17.68	17.67	0.	0.	0.	1034.92	1034.90
33	196.83	217.56	0.	414.39	333.95	122.72	115.64	55.15	17.93	17.95	0.	0.	0.	1038.57	1038.54
34	196.83	217.56	0.	414.39	334.68	123.38	116.92	55.45	18.17	18.19	0.	0.	0.	1041.87	1041.85
35	196.83	217.56	0.	414.39	335.36	123.98	118.10	55.71	18.38	18.40	0.	0.	0.	1044.84	1044.82
											0.	0.	0.	1047.55	1047.53
36	196.83	217.56	0.	414.39	336.00	124.50	119.14	55.93	18.59	18.61	0.	0.	0.		
37	196.83	217.56	0.	414.39	336.60	124.96	120.01	56.12	18.78	18.80	0.	0.	0.	1049.98	1049.96
38	196.83	217.56	0.	414.39	337.17	125.38	120.78	56.28	18.95	18.97	0.	0.	0.	1052.11	1052.09
39	196.83	217.56	0.	414.39	337.69	125.74	121.41	56.41	19.12	19.14	0.	0.	0.	1054.01	1053.99
40	196.83	217.56	0.	414.39	338.17	126.06	121.94	56.52	19.26	19.28	0.	0.	0.	1055.66	1055.64
											0.	0.	0.	1057.10	1057.08
41	196.83	217.56	0.	414.39	338.60	126.34	122.39	56.61	19.40	19.42	0.	0.	0.		
42	196.83	217.56	0.	414.39	338.99	126.58	122.74	56.68	19.54	19.56	0.	0.	0.	1058.35	1058.33
43	196.83	217.56	0.	414.39	339.32	126.79	123.00	56.73	19.66	19.68	0.	0.	0.	1059.40	1059.38
44	196.83	217.56	0.	414.39	339.62	126.97	123.17	56.77	19.77	19.79	0.	0.	0.	1060.26	1060.24
45	196.83	217.56	0.	414.39	339.87	127.12	123.26	56.78	19.88	19.90	0.	0.	0.	1060.94	1060.92
											0.	0.	0.	1061.45	1061.43
46	196.83	217.56	0.	414.39	340.07	127.24	123.26	56.79	19.98	20.00	0.	0.	0.		
47	196.83	217.56	0.	414.39	340.21	127.33	123.26	56.79	20.07	20.09	0.	0.	0.	1061.78	1061.76
48	196.83	217.56	0.	414.39	340.31	127.40	123.26	56.79	20.13	20.15	0.	0.	0.	1062.01	1061.99
49	196.83	217.56	0.	414.39	340.35	127.43	123.26	56.79	20.26	20.28	0.	0.	0.	1062.17	1062.15
50	196.83	217.56	0.	414.39	340.35	127.43	123.26	56.79	20.56	20.58	0.	0.	0.	1062.25	1062.23

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PAGE 1

DTA CALL NO.....1 INPUT EDITS

CRD NO....1 (CASE # 6 , LWR , 4021 , PB AND PBTBR - WITH RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 PURCIN = 1.0 , PURCDC = 1.0 \$
 CRD NO....4 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO....5 FBRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO....6 IBTOPW = 2010 \$
 CRD NO....7 D1 = 2010.0 , LFYUIR = 2010 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003170
 00003180
 00003190
 00003200
 00003210
 00003220
 00003230

CRD NO....1 \$\$

00003240

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	786.2	660.1	837.5	0.4	1811.49	1654.88	1041.29
2	1371.8	406.3	426.7	32.0	1630.22	1904.23	1041.29
3	1371.8	406.3	426.7	32.0	1509.38	1816.67	1041.29
4	1365.0	412.2	426.7	32.0	1432.15	1757.88	1041.29
5	1365.0	412.2	426.7	32.0	1380.67	1721.87	1041.29
6	1369.7	378.1	465.7	9.8	1336.47	1700.36	1041.29
7	1364.3	367.9	484.5	1.6	1307.10	1672.02	1041.29
8	1341.5	367.9	507.4	1.6	1295.81	1651.10	1041.29

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	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.8	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
A-43 96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	21.5	74.	12.9	294.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	13.6	751.	14.0	48.	0.	0.	14.0	48.	31.3	435.	26.2	99.	26.6	336.	0.	0.
02	1275.	14.7	749.	16.0	64.	0.	0.	16.0	64.	32.9	462.	27.9	104.	28.1	359.	0.	0.
03	1318.	15.4	749.	18.0	82.	0.	0.	18.0	82.	33.0	487.	29.9	109.	27.3	377.	0.	0.
04	1361.	16.2	750.	20.0	102.	0.	0.	20.0	102.	33.2	509.	31.7	116.	26.8	393.	0.	0.
05	1402.	17.0	746.	51.4	153.	0.0	0.	51.4	153.	0.	502.	33.3	123.	0.	380.	0.	0.
06	1444.	17.8	742.	53.8	207.	0.0	0.	53.8	207.	0.	495.	34.6	130.	0.	366.	0.	0.
07	1488.	18.7	738.	56.4	264.	0.0	0.	56.4	264.	0.	487.	34.7	134.	0.	353.	0.	0.
08	1534.	17.5	738.	52.4	316.	0.0	0.	52.4	316.	0.	480.	35.0	138.	0.	342.	0.	0.
09	1582.	21.0	742.	52.0	368.	0.	0.	52.0	368.	0.	472.	35.2	140.	0.	332.	0.	0.
10	1638.	28.9	754.	0.	368.	0.	0.	0.0	368.	53.5	516.	35.5	140.	52.6	376.	0.1	0.
11	1695.	29.0	765.	0.	368.	0.	0.	0.0	368.	55.6	562.	35.6	141.	54.7	420.	0.1	0.
12	1752.	27.9	775.	0.	368.	0.	0.	0.0	368.	57.8	609.	38.0	144.	54.8	464.	0.1	0.
13	1809.	64.2	821.	0.	368.	0.	0.	0.	368.	22.8	619.	40.6	150.	17.5	470.	0.1	1.
14	1864.	87.3	889.	0.	368.	0.	0.	0.	368.	0.	606.	43.0	157.	0.	449.	0.0	1.
15	1918.	87.8	957.	0.	368.	0.	0.	0.	368.	0.	592.	43.5	165.	0.	427.	0.2	1.
16	1973.	89.5	1027.	0.	368.	0.	0.	0.	368.	0.	577.	42.4	169.	0.	408.	0.2	1.
17	2028.	91.5	1097.	0.	368.	0.	0.	0.	368.	0.	561.	42.5	171.	0.	390.	0.2	1.
18	2083.	93.6	1169.	0.	368.	0.	0.	0.	368.	0.	544.	42.7	171.	0.3	373.	0.2	1.
19	2138.	95.8	1242.	0.	368.	0.	0.	0.	368.	0.	526.	43.0	171.	0.4	356.	0.1	2.
20	2218.	123.3	1341.	0.	368.	0.	0.	0.	368.	0.	507.	42.4	171.	0.0	337.	0.1	2.
21	2172.	0.	1315.	0.	368.	0.0	0.	0.	368.	0.	487.	40.9	169.	1.6	318.	0.	2.
22	2123.	0.	1286.	0.	368.	0.0	0.	0.	368.	0.	467.	39.9	166.	2.9	301.	0.	2.
23	2071.	0.	1255.	0.	368.	0.0	0.	0.	368.	0.	446.	39.0	162.	4.0	284.	0.	2.

24	2016.	0.	1223.	0.	368.	0.0	0.	0.	368.	0.	424.	38.3	158.	4.1	266.	0.	2.
25	1959.	0.	1188.	0.	367.	0.0	0.	0.0	367.	0.	403.	37.0	154.	3.9	248.	0.	2.
26	1899.	0.	1151.	0.	365.	0.0	0.	0.	365.	0.	382.	35.3	150.	4.6	232.	0.	2.
27	1836.	0.	1110.	0.	361.	0.0	0.	0.	361.	0.	363.	33.8	144.	5.2	219.	0.	2.
28	1768.	0.	1067.	0.	355.	0.0	0.	0.	355.	0.	346.	32.5	139.	5.7	207.	0.	2.
29	1700.	0.	1021.	0.	346.	0.0	0.	0.	346.	0.	332.	31.4	133.	5.6	199.	0.	2.
30	1627.	0.	971.	0.	334.	0.0	0.	0.0	334.	0.	320.	30.1	128.	5.2	192.	0.	2.
31	1568.	0.	957.	0.	320.	0.0	0.	0.	320.	0.	289.	28.8	123.	5.1	166.	0.	2.
32	1504.	0.	942.	0.	304.	0.0	0.	0.	304.	0.	256.	27.7	118.	4.8	138.	0.	2.
33	1438.	0.	927.	0.	286.	0.0	0.	0.	286.	0.	223.	25.6	112.	5.8	111.	0.	2.
34	1368.	0.	911.	0.	266.	0.0	0.	0.	266.	0.	190.	23.5	106.	6.6	84.	0.	2.
35	1300.	0.	894.	0.	215.	0.0	0.	0.0	215.	0.	190.	21.4	98.	7.4	92.	0.	2.
36	1228.	0.	876.	0.	161.	0.0	0.	0.0	161.	0.	190.	19.3	90.	8.4	100.	0.	2.
37	1153.	0.	857.	0.	104.	0.0	0.	0.0	104.	0.	190.	19.1	83.	6.5	106.	0.	2.
38	1083.	0.	840.	0.	52.	0.0	0.	0.0	52.	0.	190.	18.5	78.	5.0	111.	0.	2.
39	1010.	0.	819.	0.	0.	0.	0.	0.	0.	0.	190.	17.8	75.	3.6	115.	0.	2.
40	928.	0.	790.	0.	0.	0.	0.	0.	0.	0.	136.	17.0	72.	2.3	64.	0.	1.
41	843.	0.	761.	0.	0.	0.	0.	0.	0.	0.	81.	16.1	69.	3.1	11.	0.	1.
42	757.	0.	733.	0.	0.	0.0	0.	0.	0.	0.	23.	-28.0	23.	5.3	0.	0.	1.
43	670.	0.	669.	0.	0.	0.	0.	0.	0.	0.	-0.	-5.0	-0.	0.	0.	0.	1.
44	583.	0.	582.	0.	0.	0.	0.	0.	0.	0.	-0.	17.0	-0.	0.	0.	0.	1.
45	495.	0.	494.	0.	0.	0.	0.	0.	0.	0.	-0.	16.1	-0.	0.	0.	0.	1.
46	405.	0.	404.	0.	0.	0.0	0.	0.	0.	0.	-0.	-28.0	-0.	0.	0.	0.	0.
47	313.	0.	313.	0.	0.	0.	0.	0.	0.	0.	-0.	-5.0	-0.	0.	0.	0.	0.
48	219.	0.	219.	0.	0.	0.	0.	0.	0.	0.	-0.	17.0	-0.	0.	0.	0.	0.
49	123.	0.	123.	0.	0.	0.	0.	0.	0.	0.	-0.	16.1	-0.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.0	0.	0.	0.	0.	-0.	-28.0	-0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES											TOTALS	
**	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR				FBR							
*****	*****	*****	*****	*****	*****	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES	WITH PU	W/O PU		
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	33.96	33.96		
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	63.59	63.59		
79	26.96	13.58	0.	40.54	44.86	3.87	2.30	1.31	0.	0.	0.	0.	0.	92.88	92.88		
80	34.26	18.11	0.	52.37	58.80	5.33	3.31	1.99	0.	0.	0.	0.	0.	121.79	121.79		
81	41.26	22.86	0.	64.13	72.24	6.88	4.37	2.73	0.	0.	0.	0.	0.	150.34	150.34		
82	48.00	27.80	0.	75.80	85.20	8.52	5.50	3.52	0.	0.	0.	0.	0.	178.54	178.54		
83	54.51	32.87	0.	87.38	97.69	10.24	6.70	4.38	0.	0.	0.	0.	0.	206.39	206.39		
84	60.82	38.06	0.	98.88	109.73	12.06	7.95	5.30	0.	0.	0.	0.	0.	233.91	233.91		
85	66.95	43.33	0.	110.28	121.31	13.96	9.26	6.28	0.	0.	0.	0.	0.	261.10	261.10		
86	72.94	48.66	0.	121.59	132.44	15.95	10.63	7.29	0.19	0.19	0.	0.	0.	287.92	287.92		
87	78.79	54.02	0.	132.81	143.14	18.07	11.81	8.23	0.39	0.39	0.	0.	0.	314.06	314.06		
88	84.53	59.39	0.	143.93	153.41	20.31	12.99	9.15	0.59	0.59	0.	0.	0.	339.80	339.80		
89	90.19	64.76	0.	154.94	163.28	22.68	14.18	10.07	0.79	0.79	0.	0.	0.	365.15	365.15		
90	95.76	70.10	0.	165.86	172.77	25.15	15.38	10.98	0.99	0.99	0.	0.	0.	390.14	390.14		
91	101.65	75.41	0.	177.06	181.89	27.68	16.78	11.98	1.27	1.27	0.	0.	0.	415.39	415.39		
92	107.62	80.54	0.	188.16	190.61	30.29	18.12	12.96	1.57	1.57	0.	0.	0.	440.14	440.14		
93	113.67	85.50	0.	199.17	198.98	32.95	19.46	13.93	1.87	1.87	0.	0.	0.	464.49	464.49		
94	119.70	90.40	0.	210.11	207.01	35.67	20.80	14.89	2.17	2.17	0.	0.	0.	488.48	488.48		
95	125.82	95.13	0.	220.95	214.71	38.44	22.13	15.86	2.48	2.48	0.	0.	0.	512.08	512.08		
96	132.02	99.67	0.	231.69	222.11	41.22	23.51	16.85	2.81	2.81	0.	0.	0.	535.38	535.38		
97	138.31	104.03	0.	242.34	229.24	44.02	24.85	17.83	3.16	3.16	0.	0.	0.	558.28	558.28		
98	144.67	108.22	0.	252.89	236.07	46.82	26.15	18.81	3.50	3.50	0.	0.	0.	580.74	580.74		
99	151.11	112.24	0.	263.35	242.64	49.60	27.43	19.79	3.84	3.84	0.	0.	0.	602.81	602.81		
00	157.62	116.09	0.	273.71	248.99	52.36	28.67	20.76	4.17	4.17	0.	0.	0.	624.49	624.49		
01	159.30	123.00	0.	282.31	254.83	55.18	30.28	21.90	4.51	4.51	0.	0.	0.	644.50	644.50		
02	161.02	130.07	0.	291.09	260.21	58.06	31.96	23.10	4.85	4.85	0.	0.	0.	664.40	664.40		
03	162.71	137.03	0.	299.75	265.16	60.97	33.67	24.33	5.20	5.20	0.	0.	0.	683.87	683.87		
04	164.39	143.90	0.	308.29	269.74	63.90	35.48	25.59	5.57	5.57	0.	0.	0.	703.01	703.01		
05	166.05	150.53	0.	316.59	273.91	66.83	37.28	26.94	5.95	5.95	0.	0.	0.	721.55	721.55		
06	167.70	157.09	0.	324.78	277.66	69.75	39.20	28.33	6.33	6.33	0.	0.	0.	739.73	739.73		
07	169.33	163.56	0.	332.89	281.13	72.66	41.15	29.73	6.71	6.71	0.	0.	0.	757.55	757.55		
08	170.77	169.24	0.	340.01	284.38	75.52	43.17	31.12	7.09	7.09	0.	0.	0.	774.19	774.19		
09	172.39	174.56	0.	346.95	287.43	78.34	45.27	32.52	7.47	7.46	0.	0.	0.	790.51	790.51		
10	174.50	179.26	0.01	353.77	290.36	81.15	47.70	33.84	7.47	7.84	0.00	0.	0.01	807.21	806.83		
11	176.50	183.86	0.03	360.39	293.19	83.93	50.27	35.15	7.48	8.24	0.00	0.00	0.02	823.70	822.93		
12	178.32	188.37	0.04	366.73	295.92	86.69	52.93	36.44	7.49	8.66	0.00	0.00	0.02	839.91	838.71		
13	182.26	190.06	0.05	372.36	298.75	89.33	55.20	37.56	7.49	9.12	0.01	0.00	0.03	854.87	853.21		
14	187.31	190.06	0.05	377.42	301.79	91.80	57.22	38.57	7.49	9.59	0.01	0.00	0.03	868.94	866.81		
15	192.11	190.06	0.07	382.23	305.04	94.11	59.16	39.50	7.50	10.04	0.01	0.01	0.04	882.63	880.06		

A-45

[illegible]

START OF CASE (
DTA CALL NO....15

110877
INPUT EDITS

CRD NO....1 (CASE # 7 , LWR AND HTGR-OC -- NO REPROCESSING)\$
CRD NO....2 A1 = 0.0 \$
CRD NO....3 D1 = 2051.0 , 1BTPW = 1977 \$
CRD NO....4 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 \$
CRD NO....5 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 \$
CRD NO....6 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 \$
CRD NO....7 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 \$
CRD NO....8 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 \$
CRD NO....9 UIRREC(30) = 0.475 , UIRREC(121) = 0.475 \$
CRD NO...10 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 \$
CRD NO...11 LFYUIR = 2051 , LFYPUR = 2051 \$
CRD NO...12 GCRSFI = 0.0 , CGUINV = 0.0 \$
CRD NO...13 EPNOUT(3) = 0.002 \$
CRD NO...14 CBUINV = 0.0 , CPUINV = 0.0 \$
CRD NO...15 PWRSEI = 0.0 \$
CRD NO...16 SPECIF(1) = 1710. , 1710. \$
CRD NO...17 BUPRLD(1) = 1161111 , 1161111. \$
CRD NO...18 EFFICY(1) = .38 , .38 \$
CRD NO...19 PWRPUP(40) = 0.0 , PWRPUP(121) = 0.0 \$
CRD NO...20 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
CRD NO...21 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
CRD NO...22 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
CRD NO...23 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
CRD NO...24 EPNINT(1) = .93 , .93 \$
CRD NO...25 EPNRLD(1) = .93 , .93 \$
CRD NO...26 EPNOUT(1) = .002 , .002 \$
CRD NO...27 PWRFAB(30) = 0.7205 , PWRFAB(121) = 0.7205 \$
CRD NO...28 BWRREC(30) = 0.120 , BWRREC(121) = 0.120 \$

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CRD NO...29 RL21 = 0.70 , RL31 = 0.70 \$\$
DTA CALL NO....16 INPUT EDITS

00003540

CRD NO....1 \$\$

00003550

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	988.3	34.0	1363.7	0.	2005.62	2496.50	1041.29
2	1596.6	58.0	731.4	0.	1959.40	2348.12	1041.29
3	1544.5	34.0	807.5	0.	1934.12	2365.85	1041.29
4	1535.6	34.0	816.5	0.	1917.93	2368.02	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	0.	0.	16.0	171.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	0.	0.	17.0	188.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	0.	0.	18.0	206.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	0.	0.	19.0	225.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	0.	0.	20.0	244.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	0.	0.	20.5	265.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	0.	0.	21.0	286.	0.	0.
94	895.	32.6	587.	0.	0.	0.	0.	0.	0.	22.0	308.	0.	0.	22.0	308.	0.	0.
95	940.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.5	329.	0.	0.	21.5	329.	0.	0.
A-49 96	987.	37.5	633.	2.0	3.	0.	0.	2.0	3.	21.0	350.	0.	0.	21.0	350.	0.	0.
97	1036.	40.3	660.	4.0	7.	0.	0.	4.0	7.	19.5	369.	0.	0.	19.5	369.	0.	0.
98	1088.	43.3	688.	6.0	13.	0.	0.	6.0	13.	18.0	387.	0.	0.	18.0	387.	0.	0.
99	1142.	46.4	718.	9.0	22.	0.	0.	9.0	22.	15.5	401.	0.	0.	15.5	401.	0.	0.
00	1199.	49.8	753.	12.0	34.	0.	0.	12.0	34.	13.0	412.	0.	0.	13.0	412.	0.	0.
01	1241.	21.7	759.	0.	34.	0.	0.	0.	34.	39.1	448.	0.	0.	39.1	448.	0.	0.
02	1285.	23.5	766.	0.	34.	0.	0.	0.	34.	42.4	485.	0.	0.	42.4	485.	0.	0.
03	1330.	24.7	775.	0.	34.	0.	0.	0.	34.	44.4	520.	0.	0.	44.4	520.	0.	0.
04	1376.	25.8	786.	0.	34.	0.	0.	0.	34.	46.4	555.	0.	0.	46.4	555.	0.	0.
05	1424.	27.1	792.	0.	34.	0.	0.	0.	34.	48.6	590.	0.	0.	48.6	590.	0.	0.
06	1474.	35.7	806.	0.	34.	0.	0.	0.	34.	43.6	634.	0.	0.	43.6	634.	0.	0.
07	1526.	37.4	820.	0.	34.	0.	0.	0.	34.	45.7	672.	0.	0.	45.7	672.	0.	0.
08	1579.	49.5	853.	0.	34.	0.	0.	0.	34.	27.9	692.	0.	0.	27.9	692.	0.	0.
09	1634.	51.6	887.	0.	34.	0.	0.	0.	34.	28.9	713.	0.	0.	28.9	713.	0.	0.
10	1691.	53.6	923.	0.	34.	0.	0.	0.	34.	30.0	734.	0.	0.	30.0	734.	0.	0.
11	1751.	55.8	962.	0.	34.	0.	0.	0.	34.	31.1	755.	0.	0.	31.1	755.	0.	0.
12	1812.	64.7	1008.	0.	34.	0.	0.	0.	34.	25.6	770.	0.	0.	25.6	770.	0.	0.
13	1875.	67.3	1057.	0.	34.	0.	0.	0.	34.	26.6	784.	0.	0.	26.6	784.	0.	0.
14	1941.	79.3	1117.	0.	34.	0.	0.	0.	34.	18.3	790.	0.	0.	18.3	790.	0.	0.
15	2009.	82.5	1180.	0.	34.	0.	0.	0.	34.	19.0	795.	0.	0.	19.0	795.	0.	0.
16	2079.	85.8	1246.	0.	34.	0.	0.	0.	34.	19.8	799.	0.	0.	19.8	799.	0.	0.
17	2152.	89.2	1314.	0.	34.	0.	0.	0.	34.	20.5	804.	0.	0.	20.5	804.	0.	0.
18	2227.	92.8	1385.	0.	34.	0.	0.	0.	34.	21.3	808.	0.	0.	21.3	808.	0.	0.
19	2305.	96.5	1459.	0.	34.	0.	0.	0.	34.	22.2	812.	0.	0.	22.2	812.	0.	0.
20	2386.	100.4	1536.	0.	34.	0.	0.	0.	34.	23.0	816.	0.	0.	23.0	816.	0.	0.
21	2439.	0.	1509.	0.	34.	0.	0.	0.	34.	0.	796.	0.	0.	0.	796.	0.	0.
22	2290.	0.	1480.	0.	34.	0.	0.	0.	34.	0.	776.	0.	0.	0.	776.	0.	0.
23	2239.	0.	1450.	0.	34.	0.	0.	0.	34.	0.	755.	0.	0.	0.	755.	0.	0.

24	2184.	0.	1417.	0.	34.	0.	0.	0.	34.	0.	733.	0.	0.	0.	733.	0.	0.
25	2127.	0.	1382.	0.	33.	0.	0.	0.	33.	0.	711.	0.	0.	0.	711.	0.	0.
26	2066.	0.	1345.	0.	31.	0.	0.	0.	31.	0.	690.	0.	0.	0.	690.	0.	0.
27	2002.	0.	1304.	0.	27.	0.	0.	0.	27.	0.	671.	0.	0.	0.	671.	0.	0.
28	1935.	0.	1261.	0.	21.	0.	0.	0.	21.	0.	653.	0.	0.	0.	653.	0.	0.
29	1864.	0.	1215.	0.	12.	0.	0.	0.	12.	0.	637.	0.	0.	0.	637.	0.	0.
30	1789.	0.	1165.	0.	0.	0.	0.	0.	0.	0.	624.	0.	0.	0.	624.	0.	0.
31	1728.	0.	1143.	0.	0.	0.	0.	0.	0.	0.	585.	0.	0.	0.	585.	0.	0.
32	1663.	0.	1120.	0.	0.	0.	0.	0.	0.	0.	543.	0.	0.	0.	543.	0.	0.
33	1594.	0.	1095.	0.	0.	0.	0.	0.	0.	0.	499.	0.	0.	0.	499.	0.	0.
34	1521.	0.	1069.	0.	0.	0.	0.	0.	0.	0.	452.	0.	0.	0.	452.	0.	0.
35	1446.	0.	1042.	0.	0.	0.	0.	0.	0.	0.	404.	0.	0.	0.	404.	0.	0.
36	1366.	0.	1006.	0.	0.	0.	0.	0.	0.	0.	360.	0.	0.	0.	360.	0.	0.
37	1283.	0.	969.	0.	0.	0.	0.	0.	0.	0.	314.	0.	0.	0.	314.	0.	0.
38	1206.	0.	919.	0.	0.	0.	0.	0.	0.	0.	286.	0.	0.	0.	286.	0.	0.
39	1125.	0.	868.	0.	0.	0.	0.	0.	0.	0.	257.	0.	0.	0.	257.	0.	0.
40	1042.	0.	814.	0.	0.	0.	0.	0.	0.	0.	227.	0.	0.	0.	227.	0.	0.
41	955.	0.	759.	0.	0.	0.	0.	0.	0.	0.	196.	0.	0.	0.	196.	0.	0.
42	865.	0.	694.	0.	0.	0.	0.	0.	0.	0.	171.	0.	0.	0.	171.	0.	0.
43	771.	0.	627.	0.	0.	0.	0.	0.	0.	0.	144.	0.	0.	0.	144.	0.	0.
44	673.	0.	547.	0.	0.	0.	0.	0.	0.	0.	126.	0.	0.	0.	126.	0.	0.
45	572.	0.	465.	0.	0.	0.	0.	0.	0.	0.	107.	0.	0.	0.	107.	0.	0.
46	466.	0.	379.	0.	0.	0.	0.	0.	0.	0.	87.	0.	0.	0.	87.	0.	0.
47	356.	0.	290.	0.	0.	0.	0.	0.	0.	0.	67.	0.	0.	0.	67.	0.	0.
48	242.	0.	197.	0.	0.	0.	0.	0.	0.	0.	45.	0.	0.	0.	45.	0.	0.
49	123.	0.	100.	0.	0.	0.	0.	0.	0.	0.	23.	0.	0.	0.	23.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.	-0.0	-0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES											TOTALS	
	*****				*****												
	FOSSIL	LWR	FBR	TOTAL	FOSSIL	LWR				FBR				WITH PU	W/O PU		
						FUEL O&M	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES			PU PURCHASES	
77	11.45	5.18	0.	16.63	15.47	1.04	0.47	0.18	0.	0.	0.	0.	0.	0.	33.79	33.79	
78	19.44	9.17	0.	28.61	30.43	2.14	1.49	0.71	0.	0.	0.	0.	0.	0.	63.38	63.38	
79	26.96	13.58	0.	40.54	44.87	3.32	2.60	1.32	0.	0.	0.	0.	0.	0.	92.65	92.65	
80	34.26	18.11	0.	52.37	58.81	4.58	3.77	2.01	0.	0.	0.	0.	0.	0.	121.54	121.54	
81	41.26	22.86	0.	64.13	72.25	5.90	5.03	2.75	0.	0.	0.	0.	0.	0.	150.06	150.06	
82	48.00	27.80	0.	75.80	85.22	7.31	6.36	3.56	0.	0.	0.	0.	0.	0.	178.24	178.24	
83	54.51	32.87	0.	87.38	97.71	8.79	7.76	4.43	0.	0.	0.	0.	0.	0.	206.08	206.08	
84	60.82	38.06	0.	98.88	109.74	10.36	9.25	5.37	0.	0.	0.	0.	0.	0.	233.59	233.59	
85	66.95	43.33	0.	110.28	121.33	11.99	10.81	6.36	0.	0.	0.	0.	0.	0.	260.77	260.77	
86	72.94	48.66	0.	121.59	132.49	13.70	12.44	7.40	0.	0.	0.	0.	0.	0.	287.62	287.62	
87	78.79	54.02	0.	132.81	143.24	15.48	14.15	8.47	0.	0.	0.	0.	0.	0.	314.14	314.14	
88	84.53	59.39	0.	143.93	153.56	17.32	15.94	9.57	0.	0.	0.	0.	0.	0.	340.32	340.32	
89	90.19	64.76	0.	154.94	163.48	19.22	17.80	10.71	0.	0.	0.	0.	0.	0.	366.16	366.16	
90	95.76	70.10	0.	165.86	173.02	21.18	19.74	11.87	0.	0.	0.	0.	0.	0.	391.67	391.67	
91	101.65	75.41	0.	177.06	182.17	23.20	21.74	13.06	0.	0.	0.	0.	0.	0.	417.24	417.24	
92	107.62	80.54	0.	188.16	190.97	25.26	23.79	14.27	0.	0.	0.	0.	0.	0.	442.44	442.44	
93	113.67	85.50	0.	199.17	199.43	27.35	25.86	15.49	0.	0.	0.	0.	0.	0.	467.30	467.30	
94	119.70	90.40	0.	210.11	207.57	29.47	27.98	16.72	0.	0.	0.	0.	0.	0.	491.85	491.85	
95	125.82	95.16	0.	220.98	215.42	31.63	30.11	17.97	0.	0.	0.	0.	0.	0.	516.09	516.09	
96	132.02	99.76	0.	231.78	222.98	33.81	32.25	19.22	0.	0.	0.	0.	0.	0.	540.04	540.04	
97	138.31	104.23	0.	242.53	230.33	36.00	34.40	20.49	0.	0.	0.	0.	0.	0.	563.75	563.75	
98	144.67	108.57	0.	253.24	237.46	38.21	36.55	21.76	0.	0.	0.	0.	0.	0.	587.22	587.22	
99	151.11	112.80	0.	263.91	244.40	40.44	38.70	23.04	0.	0.	0.	0.	0.	0.	610.50	610.50	
00	157.62	116.91	0.	274.54	251.20	42.68	40.93	24.34	0.	0.	0.	0.	0.	0.	633.69	633.69	
01	160.31	122.71	0.	283.02	257.59	44.95	43.56	26.68	0.	0.	0.	0.	0.	0.	654.80	654.80	
02	163.05	128.64	0.	291.69	263.58	47.26	46.41	27.04	0.	0.	0.	0.	0.	0.	675.97	675.97	
03	165.76	134.49	0.	300.25	269.23	49.58	49.46	28.42	0.	0.	0.	0.	0.	0.	696.93	696.93	
04	168.44	140.27	0.	308.71	274.57	51.90	52.71	29.80	0.	0.	0.	0.	0.	0.	717.69	717.69	
05	171.08	145.98	0.	317.06	279.56	54.24	56.16	31.18	0.	0.	0.	0.	0.	0.	738.21	738.21	
06	174.38	150.80	0.	325.18	284.30	56.58	59.72	32.52	0.	0.	0.	0.	0.	0.	758.31	758.31	
07	177.64	155.58	0.	333.21	288.89	58.91	63.37	33.83	0.	0.	0.	0.	0.	0.	778.21	778.21	
08	181.70	158.32	0.	340.03	293.55	61.16	66.94	35.04	0.	0.	0.	0.	0.	0.	796.73	796.73	
09	185.70	161.01	0.	346.71	298.28	63.35	70.66	36.22	0.	0.	0.	0.	0.	0.	815.22	815.22	
10	189.61	163.64	0.	353.26	303.07	65.48	74.61	37.36	0.	0.	0.	0.	0.	0.	833.77	833.77	
11	193.46	166.22	0.	359.68	307.92	67.53	78.95	38.46	0.	0.	0.	0.	0.	0.	852.53	852.53	
12	197.67	168.21	0.	365.88	312.90	69.51	83.53	39.50	0.	0.	0.	0.	0.	0.	871.32	871.32	
13	201.80	170.17	0.	371.97	318.01	71.40	88.43	40.51	0.	0.	0.	0.	0.	0.	890.32	890.32	
14	206.39	171.45	0.	377.84	323.34	73.20	93.40	41.44	0.	0.	0.	0.	0.	0.	909.22	909.22	
15	210.89	172.69	0.	383.59	328.89	74.91	98.50	42.32	0.	0.	0.	0.	0.	0.	928.21	928.21	

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16	215.31	173.91	0.	389.23	334.64	76.53	103.63	43.10	0.	0.	0.	0.	0.	947.19	947.19
17	219.65	175.11	0.	394.76	340.58	78.07	108.76	43.95	0.	0.	0.	0.	0.	966.13	966.13
18	223.91	176.29	0.	400.19	346.70	79.53	113.82	44.71	0.	0.	0.	0.	0.	984.94	984.94
19	228.08	177.44	0.	405.52	353.00	80.91	118.60	45.42	0.	0.	0.	0.	0.	1003.53	1003.53
20	232.18	178.56	0.	410.75	359.45	82.22	123.35	46.10	0.	0.	0.	0.	0.	1021.87	1021.87
21	232.18	178.56	0.	410.75	365.54	83.43	127.30	46.69	0.	0.	0.	0.	0.	1033.70	1033.70
22	232.18	178.56	0.	410.75	371.26	84.54	130.96	47.23	0.	0.	0.	0.	0.	1044.74	1044.74
23	232.18	178.56	0.	410.75	376.64	85.56	134.35	47.73	0.	0.	0.	0.	0.	1055.02	1055.02
24	232.18	178.56	0.	410.75	381.69	86.50	137.47	48.18	0.	0.	0.	0.	0.	1064.59	1064.59
25	232.18	178.56	0.	410.75	386.43	87.36	140.34	48.60	0.	0.	0.	0.	0.	1073.47	1073.47
26	232.18	178.56	0.	410.75	390.86	88.14	142.99	48.98	0.	0.	0.	0.	0.	1081.71	1081.71
27	232.18	178.56	0.	410.75	394.99	88.86	145.42	49.32	0.	0.	0.	0.	0.	1089.33	1089.33
28	232.18	178.56	0.	410.75	398.84	89.50	147.65	49.63	0.	0.	0.	0.	0.	1096.36	1096.36
29	232.18	178.56	0.	410.75	402.41	90.09	149.69	49.91	0.	0.	0.	0.	0.	1102.85	1102.85
30	232.18	178.56	0.	410.75	405.72	90.62	151.66	50.15	0.	0.	0.	0.	0.	1108.80	1108.80
31	232.18	178.56	0.	410.75	408.84	91.09	153.10	50.37	0.	0.	0.	0.	0.	1114.15	1114.15
32	232.18	178.56	0.	410.75	411.79	91.50	154.41	50.55	0.	0.	0.	0.	0.	1119.01	1119.01
33	232.18	178.56	0.	410.75	414.58	91.85	155.52	50.71	0.	0.	0.	0.	0.	1123.41	1123.41
34	232.18	178.56	0.	410.75	417.20	92.16	156.44	50.84	0.	0.	0.	0.	0.	1127.39	1127.39
35	232.18	178.56	0.	410.75	419.68	92.41	157.18	50.95	0.	0.	0.	0.	0.	1130.96	1130.96
36	232.18	178.56	0.	410.75	421.98	92.63	157.80	51.04	0.	0.	0.	0.	0.	1134.19	1134.19
37	232.18	178.56	0.	410.75	424.13	92.80	158.27	51.11	0.	0.	0.	0.	0.	1137.06	1137.06
38	232.18	178.56	0.	410.75	426.09	92.96	158.75	51.18	0.	0.	0.	0.	0.	1139.71	1139.71
39	232.18	178.56	0.	410.75	427.86	93.08	159.13	51.23	0.	0.	0.	0.	0.	1142.05	1142.05
40	232.18	178.56	0.	410.75	429.46	93.19	159.44	51.28	0.	0.	0.	0.	0.	1144.11	1144.11
41	232.18	178.56	0.	410.75	430.90	93.28	159.66	51.31	0.	0.	0.	0.	0.	1145.90	1145.90
42	232.18	178.56	0.	410.75	432.16	93.35	159.85	51.34	0.	0.	0.	0.	0.	1147.45	1147.45
43	232.18	178.56	0.	410.75	433.26	93.41	159.99	51.36	0.	0.	0.	0.	0.	1148.76	1148.76
44	232.18	178.56	0.	410.75	434.17	93.46	160.12	51.38	0.	0.	0.	0.	0.	1149.87	1149.87
45	232.18	178.56	0.	410.75	434.91	93.49	160.21	51.39	0.	0.	0.	0.	0.	1150.75	1150.75
46	232.18	178.56	0.	410.75	435.48	93.52	160.26	51.40	0.	0.	0.	0.	0.	1151.42	1151.42
47	232.18	178.56	0.	410.75	435.90	93.54	160.29	51.41	0.	0.	0.	0.	0.	1151.89	1151.89
48	232.18	178.56	0.	410.75	436.17	93.56	160.29	51.41	0.	0.	0.	0.	0.	1152.18	1152.18
49	232.18	178.56	0.	410.75	436.30	93.56	160.29	51.41	0.	0.	0.	0.	0.	1152.31	1152.31
50	232.18	178.56	0.	410.75	436.30	93.56	160.29	51.41	0.00	0.00	0.	0.	0.	1152.31	1152.31

DTA CALL NO.....1

INPUT EDITS

PAGE

1

CRD NO....1 (CASE # 8 , LWR AND HITGR-RC -- WITH REPROCESSING) \$
 CRD NO....2 AI = 0.0 \$
 CRD NO....3 DI = 2051.0 , IBTOPW = 1977 \$
 CRD NO....4 CPUINV = 0.000738 , CBUINV = 0.0 \$
 CRD NO....5 PWRSEI = 0.02255 \$
 CRD NO....6 SPECIF(1) = 1710. , 1710. \$
 CRD NO....7 BUPRLD(1) = 1161111. , 1161111. \$
 CRD NO....8 EFFICY(1) = .38. , .38 \$
 CRD NO....9 PURCIN = 685.8 \$
 CRD NO....10 PURCDC = 1547.0 \$
 CRD NO....11 PURPCR(30) = 0.290 , PURPCR(121) = 0.290 \$
 CRD NO....12 PURPIS(30) = 0.01534 , PURPIS(121) = 0.01534 \$
 CRD NO....13 PWRPUP(40) = 0.204 , PWRPUP(121) = 0.204 \$
 CRD NO....14 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
 CRD NO....15 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
 CRD NO....16 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
 CRD NO....17 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
 CRD NO....18 EPHINT(1) = .93. , .93 \$
 CRD NO....19 EPNRLD(1) = .93. , .93 \$
 CRD NO....20 EPNOUT(1) = .50. , .50 \$
 CRD NO....21 PWRFAB(30) = 0.7205 , PWRFAB(121) = 0.7205 \$
 CRD NO....22 PURFAB(30) = 1.174 , PURFAB(121) = 1.174 \$
 CRD NO....23 PWRREC(30) = 0.560 , PWRREC(121) = 0.560 \$
 CRD NO....24 PURREC(30) = 0.560 , PURREC(121) = 0.560 \$
 CRD NO....25 LFYUR = 1995 , LFYPUR = 1995 \$
 CRD NO....26 RL2I = 0.70 , RL3I = 0.70 \$ \$
 DTA CALL NO.....2 INPUT EDITS

00003570
 00003580
 00003590
 00003600
 00003610
 00003620
 00003630
 00003640
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NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	734.9	1311.2	340.0	0.	1288.03	1850.74	1041.29
2	952.4	1110.9	322.8	0.	1232.92	1669.15	1041.29
3	952.4	1110.9	322.8	0.	1196.18	1669.15	1041.29
4	944.3	1118.9	322.8	0.	1174.01	1676.78	1041.29

A-53

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	18.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	940.	34.9	609.	1.0	1.	0.1	0.	0.9	1.	21.5	329.	17.5	64.	13.8	265.	0.	0.
A-54 96	987.	37.5	633.	2.0	3.	0.1	0.	1.9	3.	21.0	350.	18.5	68.	16.6	282.	0.	0.
97	1036.	40.3	660.	4.0	7.	0.2	0.	3.8	7.	19.5	369.	21.5	74.	13.5	295.	0.	0.
98	1088.	43.3	688.	6.0	13.	0.4	1.	5.6	12.	18.0	387.	23.1	81.	11.4	306.	0.	0.
99	1142.	46.4	718.	9.0	22.	0.7	1.	8.5	21.	15.5	401.	24.3	87.	8.7	314.	0.	0.
00	1199.	49.8	753.	12.0	34.	1.3	3.	10.9	32.	13.0	412.	25.4	94.	6.1	318.	0.	0.
01	1241.	15.7	753.	14.0	48.	2.1	4.	12.1	44.	31.2	440.	26.4	99.	26.3	341.	0.	0.
02	1285.	17.0	753.	16.0	64.	3.2	7.	13.2	57.	32.9	467.	28.1	104.	27.9	363.	0.	0.
03	1330.	17.8	755.	18.0	82.	4.5	11.	14.2	71.	33.2	492.	30.2	110.	27.3	382.	0.	0.
04	1376.	18.7	760.	20.0	102.	5.9	16.	15.4	87.	33.6	514.	32.0	117.	27.0	397.	0.	0.
05	1424.	19.6	758.	56.1	158.	7.5	21.	50.7	137.	0.	508.	33.6	124.	0.	384.	0.	0.
06	1474.	20.6	756.	58.7	217.	9.4	27.	52.6	190.	0.	501.	34.9	131.	0.	370.	0.	0.
07	1526.	21.6	755.	61.6	278.	14.8	38.	51.2	241.	0.	492.	35.1	135.	0.	357.	0.	0.
08	1579.	20.1	758.	57.2	336.	20.5	52.	42.7	283.	0.	485.	35.4	139.	0.	346.	0.	0.
09	1634.	24.9	766.	55.5	391.	26.1	71.	37.0	320.	0.	477.	35.6	141.	0.	336.	0.	0.
10	1691.	25.9	775.	57.7	449.	30.9	92.	36.2	357.	0.	468.	35.8	142.	0.	326.	0.	0.
11	1751.	27.0	784.	59.9	509.	35.1	113.	39.6	396.	0.	458.	36.0	143.	0.	315.	0.	0.
12	1812.	32.5	799.	57.8	567.	40.9	133.	37.4	434.	0.	447.	35.5	143.	0.	304.	0.	0.
13	1875.	33.8	814.	60.1	627.	47.0	154.	39.1	473.	0.	435.	35.1	142.	0.5	292.	0.	0.
14	1941.	35.2	830.	62.4	689.	52.9	176.	40.4	513.	0.	422.	34.6	141.	1.2	281.	0.	0.
15	2009.	36.6	847.	64.9	754.	58.6	199.	41.4	554.	0.	408.	34.1	139.	1.9	268.	0.	0.
16	2079.	38.1	865.	67.4	821.	64.2	223.	44.2	599.	0.	393.	33.5	137.	2.0	255.	0.	0.
17	2152.	39.6	884.	70.1	891.	69.8	245.	47.4	646.	0.	377.	32.7	135.	2.4	242.	0.	0.
18	2227.	41.2	903.	72.9	964.	75.8	268.	50.0	696.	0.	360.	31.7	132.	2.9	228.	0.	0.
19	2305.	42.9	923.	75.8	1040.	82.1	292.	52.3	748.	0.	342.	30.8	129.	3.3	213.	0.	0.
20	2386.	44.7	944.	78.8	1119.	88.7	316.	54.3	803.	0.	323.	29.7	125.	3.8	198.	0.	0.
21	2339.	0.	918.	0.	1119.	95.6	342.	0.	777.	0.	303.	28.7	121.	4.0	182.	0.	0.
22	2290.	0.	889.	0.	1119.	102.7	369.	0.	750.	0.	282.	27.4	117.	4.3	166.	0.	0.
23	2239.	0.	858.	0.	1119.	102.1	389.	0.	730.	0	261	26	112	4.7	146	0	0

24	2184.	0.	826.	0.	1119.	101.5	402.	0.	717.	0.	239.	24.7	107.	5.1	132.	0.	0.
25	2127.	0.	791.	0.	1118.	101.7	408.	0.	710.	0.	218.	23.3	101.	5.4	116.	0.	0.
26	2066.	0.	753.	0.	1116.	102.7	408.	0.	708.	0.	197.	21.8	96.	5.6	101.	0.	0.
27	2002.	0.	713.	0.	1112.	104.4	410.	0.	702.	0.	177.	20.3	90.	5.8	87.	0.	0.
28	1935.	0.	670.	0.	1106.	103.1	412.	0.	694.	0.	159.	18.8	84.	5.9	75.	0.	0.
29	1864.	0.	623.	0.	1097.	101.3	411.	0.4	685.	0.	144.	17.4	78.	5.9	65.	0.	0.
30	1789.	0.	574.	0.	1085.	99.7	408.	3.1	677.	0.	131.	16.0	72.	5.8	58.	0.	0.
31	1728.	0.	558.	0.	1071.	98.3	402.	6.1	669.	0.	100.	14.7	67.	5.6	33.	0.	0.
32	1663.	0.	541.	0.	1055.	97.1	396.	6.0	659.	0.	67.	13.6	62.	5.2	5.	0.	0.
33	1594.	0.	523.	0.	1037.	96.2	391.	5.1	646.	0.	34.	-10.7	34.	5.9	0.	0.	0.
34	1521.	0.	504.	0.	1017.	95.0	387.	4.7	630.	0.	0.	-17.6	0.	0.	0.	0.	0.
35	1446.	0.	485.	0.	961.	93.4	382.	4.9	579.	0.	0.	14.7	0.	0.	0.	0.	0.
36	1366.	0.	464.	0.	902.	91.5	376.	5.6	526.	0.	0.	13.6	0.	0.	0.	0.	0.
37	1283.	0.	443.	0.	841.	86.1	366.	10.1	475.	0.	0.	-10.7	0.	0.	0.	0.	0.
38	1206.	0.	422.	0.	783.	80.5	352.	14.4	432.	0.	0.	-17.6	0.	0.	0.	0.	0.
39	1125.	0.	398.	0.	728.	75.1	333.	18.3	395.	0.	0.	14.7	0.	0.	0.	0.	0.
40	1042.	0.	372.	0.	670.	70.3	312.	21.2	358.	0.	0.	13.6	0.	0.	0.	0.	0.
41	955.	0.	345.	0.	610.	66.0	292.	20.1	318.	0.	0.	-10.7	0.	0.	0.	0.	0.
42	865.	0.	312.	0.	552.	60.2	272.	20.3	281.	0.	0.	-17.6	0.	0.	0.	0.	0.
43	771.	0.	278.	0.	492.	54.0	251.	21.1	242.	0.	0.	14.7	0.	0.	0.	0.	0.
44	673.	0.	243.	0.	430.	48.1	228.	22.2	202.	0.	0.	13.6	0.	0.	0.	0.	0.
45	572.	0.	207.	0.	365.	42.4	205.	23.6	160.	0.	0.	-10.7	0.	0.	0.	0.	0.
46	466.	0.	168.	0.	298.	36.9	181.	23.3	116.	0.	0.	-17.6	0.	0.	0.	0.	0.
47	356.	0.	129.	0.	227.	31.2	159.	22.8	69.	0.	0.	14.7	0.	0.	0.	0.	0.
48	242.	0.	88.	0.	155.	25.2	136.	22.9	19.	0.	0.	13.6	0.	0.	0.	0.	0.
49	123.	0.	45.	0.	79.	0.	79.	0.	0.	0.	0.	-10.7	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-17.6	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

ECONOMIC COST CASE															

YR	CAPITAL INVESTMENTS				EXPENSES										
	*****				*****										
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR			TOTALS		
		LWR				*****	FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU	WITH	W/O
*****	*****	*****	*****	*****	RECOVERY	FEED	SEP	SALES	PURCHASES	RECOVERY	SALES	PURCHASES	PU	PU	
					O&M	O&M	WK			O&M					
														33.95	33.95
77	11.45	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.	0.	63.56	63.56
78	19.44	9.17	0.	28.61	30.43	2.49	1.34	0.70	0.	0.	0.	0.	0.	92.84	92.84
79	26.96	13.58	0.	40.54	44.87	3.85	2.29	1.30	0.	0.	0.	0.	0.	121.74	121.74
80	34.26	18.11	0.	52.37	58.81	5.31	3.29	1.97	0.	0.	0.	0.	0.		
														150.28	150.28
81	41.26	22.86	0.	64.13	72.25	6.85	4.35	2.70	0.	0.	0.	0.	0.	178.46	178.46
82	48.00	27.80	0.	75.80	85.22	8.48	5.48	3.49	0.	0.	0.	0.	0.	206.31	206.31
83	54.51	32.87	0.	87.38	97.71	10.21	6.66	4.34	0.	0.	0.	0.	0.	233.81	233.81
84	60.82	38.06	0.	98.88	109.74	12.02	7.91	5.26	0.	0.	0.	0.	0.	260.99	260.99
85	66.98	43.33	0.	110.28	121.33	13.92	9.22	6.23	0.	0.	0.	0.	0.		
														287.80	287.80
86	72.94	48.66	0.	121.59	132.46	15.90	10.59	7.25	0.19	0.19	0.	0.	0.	313.93	313.93
87	78.79	54.02	0.	132.81	143.16	18.02	11.77	8.18	0.39	0.39	0.	0.	0.	339.66	339.66
88	84.53	59.39	0.	143.93	153.43	20.26	12.94	9.10	0.59	0.59	0.	0.	0.	365.01	365.01
89	90.19	64.76	0.	154.94	163.31	22.62	14.13	10.01	0.79	0.79	0.	0.	0.	389.99	389.99
90	95.76	70.10	0.	165.86	172.80	25.09	15.32	10.92	0.99	0.99	0.	0.	0.		
														415.23	415.23
91	101.65	75.41	0.	177.06	181.91	27.62	16.72	11.92	1.27	1.27	0.	0.	0.	439.97	439.97
92	107.62	80.54	0.	188.16	190.64	30.22	18.06	12.89	1.57	1.57	0.	0.	0.	464.31	464.31
93	113.67	85.50	0.	199.17	199.01	32.88	19.39	13.86	1.87	1.87	0.	0.	0.	488.30	488.30
94	119.70	90.40	0.	210.11	207.04	35.60	20.74	14.82	2.18	2.18	0.	0.	0.	511.92	511.92
95	125.82	95.16	0.	220.98	214.74	38.36	22.06	15.78	2.49	2.49	0.	0.	0.		
														535.29	535.29
96	132.02	99.76	0.	231.78	222.14	41.15	23.45	16.77	2.83	2.83	0.	0.	0.	558.30	558.30
97	138.31	104.23	0.	242.53	229.27	43.95	24.79	17.76	3.18	3.18	0.	0.	0.	580.98	580.98
98	144.67	108.57	0.	253.24	236.14	46.77	26.11	18.73	3.55	3.55	0.	0.	0.	603.35	603.35
99	151.11	112.80	0.	263.91	242.76	49.58	27.39	19.71	3.92	3.92	0.	0.	0.	625.43	625.43
00	157.62	116.91	0.	274.54	249.20	52.38	28.64	20.68	4.31	4.31	0.	0.	0.		
														645.76	645.76
01	159.57	123.81	0.	283.38	255.15	55.24	30.21	21.78	4.73	4.73	0.	0.	0.	665.98	665.98
02	161.55	130.87	0.	292.42	260.66	58.16	31.82	22.91	5.18	5.18	0.	0.	0.	685.77	685.77
03	163.51	137.86	0.	301.37	265.77	61.13	33.45	24.05	5.65	5.65	0.	0.	0.	705.22	705.22
04	165.45	144.77	0.	310.22	270.52	64.13	35.14	25.21	6.17	6.17	0.	0.	0.	724.75	724.75
05	167.37	152.01	0.	319.38	274.87	67.15	36.87	26.48	6.74	6.74	0.	0.	0.		
														743.87	743.87
06	169.26	159.17	0.	328.43	278.83	70.19	38.65	27.77	7.40	7.40	0.	0.	0.	762.51	762.51
07	171.14	166.24	0.	337.38	282.52	73.24	40.38	28.99	8.16	8.16	0.	0.	0.	779.73	779.73
08	172.80	172.45	0.	345.24	285.99	76.27	42.07	30.15	9.01	9.01	0.	0.	0.	796.39	796.39
09	174.73	178.13	0.	352.85	289.29	79.28	43.72	31.25	9.93	9.93	0.	0.	0.	812.67	812.67
10	176.62	183.69	0.	360.31	292.43	82.26	45.36	32.31	10.89	10.89	0.	0.	0.		
														828.64	828.64
11	178.48	189.14	0.	367.62	295.42	85.20	47.04	33.36	11.91	11.91	0.	0.	0.	844.16	844.16
12	180.60	194.11	0.	374.70	298.31	88.09	48.69	34.37	12.99	12.99	0.	0.	0.	859.39	859.39
13	182.67	199.97	0.	381.64	301.09	90.93	50.37	35.36	14.12	14.12	0.	0.	0.	874.35	874.35
14	184.71	203.74	0.	388.45	303.79	93.71	52.08	36.33	15.30	15.30	0.	0.	0.	889.05	889.05
15	186.71	208.42	0.	395.13	306.39	96.43	53.82	37.27	16.52	16.52	0.	0.	0.		

16	188.67	213.01	0.	401.68	308.92	99.11	55.62	38.20	17.79	17.79	0.	0.	0.	903.02	903.52
17	190.60	217.51	0.	408.10	311.37	101.72	57.55	39.13	19.10	19.10	0.	0.	0.	917.87	917.87
18	192.49	221.92	0.	414.41	313.75	104.28	59.58	40.05	20.46	20.46	0.	0.	0.	932.06	932.06
19	194.34	226.25	0.	420.59	316.06	106.79	61.78	40.95	21.92	21.92	0.	0.	0.	946.17	946.17
20	196.17	230.49	0.	426.66	318.30	109.24	64.15	41.83	23.48	23.48	0.	0.	0.	960.18	960.18
21	196.17	230.49	0.	426.66	320.37	111.52	65.99	42.50	25.14	25.14	0.	0.	0.	967.04	967.04
22	196.17	230.49	0.	426.66	322.27	113.64	67.80	43.11	26.75	26.75	0.	0.	0.	973.48	973.48
23	196.17	230.49	0.	426.66	324.01	115.60	69.52	43.66	28.31	28.31	0.	0.	0.	979.46	979.46
24	196.17	230.49	0.	426.66	325.60	117.43	71.16	44.16	29.83	29.83	0.	0.	0.	985.01	985.01
25	196.17	230.49	0.	426.66	327.04	119.12	72.72	44.62	31.32	31.32	0.	0.	0.	990.15	990.15
26	196.17	230.49	0.	426.66	328.33	120.68	74.17	45.03	32.78	32.78	0.	0.	0.	994.87	994.87
27	196.17	230.49	0.	426.66	329.49	122.12	75.55	45.41	34.18	34.18	0.	0.	0.	999.23	999.23
28	196.17	230.49	0.	426.66	330.52	123.45	76.86	45.76	35.51	35.51	0.	0.	0.	1003.24	1003.24
29	196.17	230.49	0.	426.66	331.41	124.68	78.09	46.08	36.78	36.78	0.	0.	0.	1006.92	1006.92
30	196.17	230.49	0.	426.66	332.18	125.81	79.27	46.37	37.98	37.98	0.	0.	0.	1010.29	1010.29
31	196.17	230.49	0.	426.66	332.90	126.83	80.19	46.63	39.10	39.10	0.	0.	0.	1013.21	1013.21
32	196.17	230.49	0.	426.66	333.57	127.76	80.98	46.85	40.13	40.13	0.	0.	0.	1015.82	1015.82
33	196.17	230.49	0.	426.66	334.19	128.57	81.66	47.05	41.26	41.26	0.	0.	0.	1018.13	1018.13
34	196.17	230.49	0.	426.66	334.77	129.29	82.21	47.22	42.52	42.52	0.	0.	0.	1020.14	1020.14
35	196.17	230.49	0.	426.66	335.31	129.93	82.70	47.35	43.63	43.63	0.	0.	0.	1021.95	1021.95
36	196.17	230.49	0.	426.66	335.80	130.50	83.11	47.46	44.60	44.60	0.	0.	0.	1023.53	1023.53
37	196.17	230.49	0.	426.66	336.26	131.00	83.48	47.56	45.51	45.51	0.	0.	0.	1024.95	1024.95
38	196.17	230.49	0.	426.66	336.68	131.44	83.83	47.64	46.37	46.37	0.	0.	0.	1026.25	1026.25
39	196.17	230.49	0.	426.66	337.06	131.82	84.18	47.72	47.11	47.11	0.	0.	0.	1027.44	1027.44
40	196.17	230.49	0.	426.66	337.41	132.16	84.49	47.78	47.75	47.75	0.	0.	0.	1028.49	1028.49
41	196.17	230.49	0.	426.66	337.71	132.45	84.73	47.83	48.35	48.35	0.	0.	0.	1029.38	1029.38
42	196.17	230.49	0.	426.66	337.98	132.70	84.93	47.87	48.92	48.92	0.	0.	0.	1030.14	1030.14
43	196.17	230.49	0.	426.66	338.20	132.90	85.10	47.90	49.39	49.39	0.	0.	0.	1030.76	1030.76
44	196.17	230.49	0.	426.66	338.39	133.08	85.22	47.92	49.79	49.79	0.	0.	0.	1031.26	1031.26
45	196.17	230.49	0.	426.66	338.54	133.22	85.31	47.93	50.15	50.15	0.	0.	0.	1031.65	1031.65
46	196.17	230.49	0.	426.66	338.66	133.32	85.35	47.93	50.50	50.50	0.	0.	0.	1031.93	1031.93
47	196.17	230.49	0.	426.66	338.75	133.40	85.36	47.93	50.78	50.78	0.	0.	0.	1032.09	1032.09
48	196.17	230.49	0.	426.66	338.80	133.45	85.36	47.93	51.00	50.93	0.	0.	0.	1032.13	1032.20
49	196.17	230.49	0.	426.66	338.83	133.48	85.36	47.93	51.19	51.08	0.	0.	0.	1032.14	1032.25
50	196.17	230.49	0.	426.66	338.83	133.48	85.36	47.93	51.39	51.25	0.	0.	0.	1032.11	1032.25

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 9 , LWR AND HTRG-HC -- WITH REPROCESSING)\$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , IBTOPW = 1977 \$
 CRD NO....4 CPUINV = 0.000738 \$
 CRD NO....5 PWRSEI = 0.02255 \$
 CRD NO....6 SPECIF(1) = 1120. , 1120. \$
 CRD NO....7 SUPRLD(1) = 1161111. , 1161111. \$
 CRD NO....8 EFFICY(1) = .38. , 38 \$
 CRD NO....9 PURCIN = 693.2 \$
 CRD NO....10 PURCDC = 861.2 \$
 CRD NO....11 PURPCR(30) = 0.1005 , PURPCR(121) = 0.1005 \$
 CRD NO....12 PURPIS(30) = 0.01115 , PURPIS(121) = 0.01115 \$
 CRD NO....13 PWRPUP(40) = 0.204 , PWRPUP(121) = 0.204 \$
 CRD NO....14 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
 CRD NO....15 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
 CRD NO....16 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
 CRD NO....17 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
 CRD NO....18 EPNINT(1) = .93. , 93 \$
 CRD NO....19 EPNRLD(1) = .93. , 93 \$
 CRD NO....20 EPNOUT(1) = .50. , 50 \$
 CRD NO....21 PWRFAB(30) = 1.01 , PWRFAB(121) = 1.01 \$
 CRD NO....22 PURFAB(30) = 1.65 , PURFAB(121) = 1.65 \$
 CRD NO....23 PWRREC(30) = 0.916 , PWRREC(121) = 0.916 \$
 CRD NO....24 PURREC(30) = 0.916 , PURREC(121) = 0.916 \$
 CRD NO....25 LFYUR = 1995 , LFYPUR = 1995 \$
 CRD NO....26 RL21 = 0.70 , RL31 = 0.70 \$
 DTA CALL NO.....2 INPUT EDITS

00003840
 00003850
 00003860
 00003870
 00003880
 00003890
 00003900
 00003910
 00003920
 00003930
 00003940
 00003950
 00003960
 00003970
 00003980
 00003990
 00004000
 00004010
 00004020
 00004030
 00004040
 00004050
 00004060
 00004070
 00003605
 00004080

00004090

CRD NO....1 \$\$

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	731.3	1314.8	340.0	0.	1450.51	3138.61	1041.29
2	964.3	1098.9	322.8	0.	1381.22	2779.74	1041.29
3	960.5	1102.7	322.8	0.	1336.43	2787.06	1041.29
4	952.4	1110.9	322.8	0.	1309.22	2800.77	1041.29
5	952.4	1110.9	322.8	0.	1291.08	2800.77	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.6	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	940.	34.9	609.	1.0	1.	0.1	0.	0.9	1.	21.5	329.	17.5	64.	13.8	265.	0.	0.
96	987.	37.5	633.	2.0	3.	0.1	0.	1.9	3.	21.0	350.	18.5	68.	16.6	282.	0.	0.
97	1036.	40.3	660.	4.0	7.	0.2	1.	3.8	7.	19.5	369.	21.5	74.	13.5	295.	0.	0.
98	1088.	43.3	688.	6.0	13.	0.4	1.	5.6	12.	18.0	387.	23.1	81.	11.4	306.	0.	0.
99	1142.	46.4	718.	9.0	22.	0.7	1.	8.5	21.	15.5	401.	24.3	87.	8.7	314.	0.	0.
00	1199.	49.8	753.	12.0	34.	1.3	3.	10.8	32.	13.0	412.	25.4	94.	6.1	318.	0.	0.
01	1241.	15.7	753.	14.0	48.	2.2	5.	12.0	44.	31.2	440.	26.4	99.	26.3	341.	0.	0.
02	1285.	17.0	753.	16.0	64.	3.3	8.	13.1	67.	32.9	467.	28.1	104.	27.9	363.	0.	0.
03	1330.	17.8	755.	18.0	82.	4.7	11.	14.0	71.	33.2	492.	30.2	110.	27.3	382.	0.	0.
04	1376.	18.7	760.	20.0	102.	6.2	16.	15.2	86.	33.6	514.	32.0	117.	27.0	397.	0.	0.
05	1424.	19.6	758.	56.1	158.	8.0	22.	50.3	136.	0.	508.	33.6	124.	0.	384.	0.	0.
06	1474.	20.6	756.	58.7	217.	10.2	29.	51.9	188.	0.	501.	34.9	131.	0.	370.	0.	0.
07	1526.	21.6	755.	61.6	278.	16.0	40.	50.2	238.	0.	492.	35.1	135.	0.	357.	0.	0.
08	1579.	23.9	762.	53.5	332.	22.1	56.	37.6	276.	0.	485.	35.4	139.	0.	346.	0.	0.
09	1634.	24.9	770.	55.5	307.	28.1	76.	35.4	311.	0.	477.	35.6	141.	0.	336.	0.	0.
10	1691.	25.9	779.	57.7	445.	32.9	99.	34.9	346.	0.	468.	35.8	142.	0.	326.	0.	0.
11	1751.	31.3	792.	55.6	501.	37.6	121.	34.0	380.	0.	458.	36.0	143.	0.	315.	0.	0.
12	1812.	32.5	807.	57.8	558.	45.1	144.	34.8	415.	0.	447.	35.5	143.	0.	304.	0.	0.
13	1875.	33.8	822.	60.1	619.	52.6	168.	35.6	450.	0.	435.	35.1	142.	0.5	292.	0.	0.
14	1941.	35.2	838.	62.4	681.	60.0	195.	35.3	486.	0.	422.	34.6	141.	1.2	281.	0.	0.
15	2009.	36.6	855.	64.9	746.	66.5	224.	36.0	522.	0.	408.	34.1	139.	1.9	268.	0.	0.
16	2079.	38.1	873.	67.4	813.	72.9	252.	39.7	561.	0.	393.	33.5	137.	2.0	255.	0.	0.
17	2152.	39.6	892.	70.1	883.	79.2	279.	43.5	605.	0.	377.	32.7	135.	2.4	242.	0.	0.
18	2227.	41.2	911.	72.9	956.	85.8	304.	47.1	652.	0.	360.	31.7	132.	2.9	228.	0.	0.
19	2305.	42.9	931.	75.8	1032.	92.9	331.	49.4	701.	0.	342.	30.8	129.	3.3	213.	0.	0.
20	2386.	44.7	952.	78.8	1111.	100.4	358.	51.2	753.	0.	323.	29.7	125.	3.8	198.	0.	0.
21	2339.	0.	926.	0.	1111.	108.1	387.	0.	724.	0.	303.	28.7	121.	4.0	182.	0.	0.
22	2290.	0.	897.	0.	1111.	116.1	417.	0.	693.	0.	282.	27.4	117.	4.3	166.	0.	0.
23	2239.	0.	866.	0.	1111.	116.4	441.	0.	670.	0.	261.	26.1	112.	4.7	149.	0.	0.

24	2184.	0.	834.	0.	1111.	116.8	457.	0.	654.	0.	239.	24.7	107.	5.1	132.	0.	0.
25	2127.	0.	799.	0.	1110.	118.3	467.	0.	642.	0.	218.	23.3	101.	5.4	116.	0.	0.
26	2066.	0.	761.	0.	1108.	120.6	472.	0.	636.	0.	197.	21.8	96.	5.6	101.	0.	0.
27	2002.	0.	721.	0.	1104.	123.5	479.	0.	625.	0.	177.	20.3	90.	5.8	87.	0.	0.
28	1935.	0.	678.	0.	1098.	120.6	483.	0.	615.	0.	159.	18.8	84.	5.9	75.	0.	0.
29	1864.	0.	631.	0.	1089.	117.1	482.	1.2	607.	0.	144.	17.4	78.	5.9	65.	0.	0.
30	1789.	0.	582.	0.	1077.	114.2	475.	6.3	601.	0.	131.	16.0	72.	5.8	58.	0.	0.
31	1728.	0.	566.	0.	1063.	112.2	464.	11.4	599.	0.	100.	14.7	67.	5.6	33.	0.	0.
32	1663.	0.	549.	0.	1047.	110.7	454.	9.9	593.	0.	67.	13.6	62.	5.2	5.	0.	0.
33	1594.	0.	531.	0.	1029.	109.9	447.	7.1	582.	0.	34.	-10.7	34.	5.9	0.	0.	0.
34	1521.	0.	512.	0.	1009.	108.4	441.	5.8	568.	0.	0.	-17.6	0.	0.	0.	0.	0.
35	1446.	0.	493.	0.	953.	106.6	436.	5.6	517.	0.	0.	14.7	0.	0.	0.	0.	0.
36	1366.	0.	472.	0.	894.	104.6	430.	6.2	465.	0.	0.	13.6	0.	0.	0.	0.	0.
37	1283.	0.	451.	0.	832.	99.1	419.	10.8	414.	0.	0.	-10.7	0.	0.	0.	0.	0.
38	1206.	0.	427.	0.	779.	93.7	404.	14.7	375.	0.	0.	-17.6	0.	0.	0.	0.	0.
39	1125.	0.	402.	0.	723.	88.2	386.	18.4	338.	0.	0.	14.7	0.	0.	0.	0.	0.
40	1042.	0.	376.	0.	666.	83.5	364.	21.1	301.	0.	0.	13.6	0.	0.	0.	0.	0.
41	955.	0.	345.	0.	610.	78.7	344.	20.4	266.	0.	0.	-10.7	0.	0.	0.	0.	0.
42	865.	0.	312.	0.	552.	71.0	321.	22.7	231.	0.	0.	-17.6	0.	0.	0.	0.	0.
43	771.	0.	278.	0.	492.	63.4	297.	24.8	196.	0.	0.	14.7	0.	0.	0.	0.	0.
44	673.	0.	243.	0.	430.	55.8	269.	27.6	161.	0.	0.	13.6	0.	0.	0.	0.	0.
45	572.	0.	207.	0.	365.	49.3	239.	29.4	126.	0.	0.	-10.7	0.	0.	0.	0.	0.
46	466.	0.	168.	0.	298.	42.9	211.	28.2	86.	0.	0.	-17.6	0.	0.	0.	0.	0.
47	356.	0.	129.	0.	227.	36.4	184.	26.9	43.	0.	0.	14.7	0.	0.	0.	0.	0.
48	242.	0.	88.	0.	155.	26.0	155.	0.	0.	0.	0.	13.6	0.	0.	0.	0.	0.
49	123.	0.	45.	0.	79.	0.	79.	0.	0.	0.	0.	-10.7	0.	0.	0.	0.	0.
50	0.	0.	-0.	0.	0.	0.	0.	0.	0.	0.	0.	-17.6	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES											TOTALS	
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR							
						FUEL O&M	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES			
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
77	11.45	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.	0.	0.	33.95	33.95	
78	19.44	9.17	0.	28.61	30.43	2.49	1.34	0.70	0.	0.	0.	0.	0.	0.	63.56	63.56	
79	26.96	13.58	0.	40.54	44.87	3.86	2.29	1.30	0.	0.	0.	0.	0.	0.	92.85	92.85	
80	34.26	18.11	0.	52.37	58.81	5.31	3.29	1.97	0.	0.	0.	0.	0.	0.	121.75	121.75	
81	41.26	22.86	0.	64.13	72.25	6.86	4.35	2.70	0.	0.	0.	0.	0.	0.	150.28	150.28	
82	48.00	27.80	0.	75.80	85.22	8.49	5.48	3.49	0.	0.	0.	0.	0.	0.	178.47	178.47	
83	54.81	32.87	0.	87.38	97.71	10.21	6.66	4.34	0.	0.	0.	0.	0.	0.	206.31	206.31	
84	60.82	38.06	0.	98.88	109.74	12.03	7.91	5.26	0.	0.	0.	0.	0.	0.	233.82	233.82	
85	66.95	43.33	0.	110.28	121.33	13.93	9.22	6.23	0.	0.	0.	0.	0.	0.	261.00	261.00	
86	72.94	48.66	0.	121.59	132.46	15.91	10.59	7.25	0.19	0.19	0.	0.	0.	0.	287.81	287.81	
87	78.79	54.02	0.	132.81	143.16	18.03	11.77	8.18	0.39	0.39	0.	0.	0.	0.	313.94	313.94	
88	84.53	59.39	0.	143.93	153.43	20.27	12.94	9.10	0.59	0.59	0.	0.	0.	0.	339.67	339.67	
89	90.19	64.76	0.	154.94	163.31	22.63	14.13	10.01	0.79	0.79	0.	0.	0.	0.	365.02	365.02	
90	95.76	70.10	0.	165.86	172.80	25.10	15.32	10.92	0.99	0.99	0.	0.	0.	0.	390.00	390.00	
91	101.65	75.41	0.	177.06	181.91	27.63	16.72	11.92	1.27	1.27	0.	0.	0.	0.	415.24	415.24	
92	107.62	80.54	0.	188.16	190.64	30.23	18.06	12.89	1.57	1.57	0.	0.	0.	0.	439.98	439.98	
93	113.67	85.50	0.	199.17	199.01	32.89	19.39	13.86	1.87	1.87	0.	0.	0.	0.	464.32	464.32	
94	119.70	90.40	0.	210.11	207.04	35.61	20.74	14.82	2.18	2.18	0.	0.	0.	0.	488.31	488.31	
95	125.82	95.16	0.	220.98	214.74	38.38	22.07	15.79	2.49	2.49	0.	0.	0.	0.	511.95	511.95	
96	132.02	99.76	0.	231.78	222.14	41.17	23.47	16.79	2.84	2.84	0.	0.	0.	0.	535.35	535.35	
97	138.31	104.23	0.	242.53	229.27	43.98	24.84	17.80	3.20	3.20	0.	0.	0.	0.	558.43	558.43	
98	144.67	108.57	0.	253.24	236.14	46.81	26.20	18.81	3.57	3.57	0.	0.	0.	0.	581.19	581.19	
99	151.11	112.80	0.	263.91	242.76	49.64	27.54	19.84	3.96	3.96	0.	0.	0.	0.	603.70	603.70	
00	157.62	116.91	0.	274.54	249.20	52.47	28.86	20.87	4.38	4.38	0.	0.	0.	0.	625.94	625.94	
01	159.57	123.81	0.	283.38	255.15	55.38	30.50	22.04	4.84	4.84	0.	0.	0.	0.	646.45	646.45	
02	161.55	130.87	0.	292.42	260.66	58.36	32.20	23.24	5.35	5.35	0.	0.	0.	0.	666.87	666.87	
03	163.51	137.86	0.	301.37	265.77	61.39	33.91	24.45	5.90	5.90	0.	0.	0.	0.	686.88	686.88	
04	165.45	144.77	0.	310.22	270.52	64.46	35.70	25.67	6.52	6.52	0.	0.	0.	0.	706.57	706.57	
05	167.37	152.01	0.	319.38	274.87	67.60	37.72	27.16	7.20	7.20	0.	0.	0.	0.	726.73	726.73	
06	169.26	159.17	0.	328.43	278.83	70.79	39.83	28.64	8.05	8.05	0.	0.	0.	0.	746.52	746.52	
07	171.14	166.24	0.	337.38	282.52	74.01	41.86	30.05	9.06	9.06	0.	0.	0.	0.	765.83	765.83	
08	173.11	172.04	0.	345.14	286.02	77.24	43.75	31.31	10.22	10.22	0.	0.	0.	0.	783.47	783.47	
09	175.04	177.72	0.	352.75	289.35	80.47	45.62	32.51	11.48	11.48	0.	0.	0.	0.	800.70	800.70	
10	176.93	183.28	0.	360.21	292.52	83.68	47.48	33.66	12.82	12.82	0.	0.	0.	0.	817.56	817.56	
11	179.09	188.34	0.	367.43	295.58	86.86	49.32	34.77	14.30	14.30	0.	0.	0.	0.	833.97	833.97	
12	181.20	193.31	0.	374.51	298.52	90.01	51.17	35.85	15.89	15.89	0.	0.	0.	0.	850.06	850.06	
13	183.28	198.17	0.	381.45	301.37	93.12	53.03	36.09	17.59	17.59	0.	0.	0.	0.	865.88	865.88	
14	185.31	202.94	0.	388.26	304.11	96.19	54.95	37.90	19.40	19.40	0.	0.	0.	0.	881.41	881.41	
15	187.31	207.62	0.	394.93	306.77	99.22	56.88	38.88	21.29	21.29	0.	0.	0.	0.	896.69	896.69	

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16	189.27	212.21	0.	401.48	309.34	102.21	58.89	39.67	23.26	23.26	0.	0.	0.	911.77	911.77
17	191.20	216.71	0.	407.91	311.84	105.15	61.09	40.83	25.32	25.32	0.	0.	0.	926.81	926.81
18	193.09	221.12	0.	414.21	314.26	108.04	63.50	41.79	27.54	27.54	0.	0.	0.	941.80	941.80
19	194.95	225.45	0.	420.40	316.61	110.88	66.09	42.74	29.93	29.93	0.	0.	0.	956.73	956.73
20	196.77	229.69	0.	426.47	318.90	113.68	68.86	43.67	32.48	32.48	0.	0.	0.	971.58	971.58
21	196.77	229.69	0.	426.47	321.00	116.29	70.78	44.31	35.20	35.20	0.	0.	0.	978.85	978.85
22	196.77	229.69	0.	426.47	322.94	118.72	72.64	44.89	37.87	37.87	0.	0.	0.	985.66	985.66
23	196.77	229.69	0.	426.47	324.72	120.99	74.39	45.41	40.47	40.47	0.	0.	0.	991.96	991.96
24	196.77	229.69	0.	426.47	326.33	123.09	76.02	45.87	43.03	43.03	0.	0.	0.	997.78	997.78
25	196.77	229.69	0.	426.47	327.80	125.05	77.54	46.29	45.57	45.57	0.	0.	0.	1003.14	1003.14
26	196.77	229.69	0.	426.47	329.13	126.86	78.91	46.66	48.07	48.07	0.	0.	0.	1008.03	1008.03
27	196.77	229.69	0.	426.47	330.32	128.54	80.20	47.00	50.45	50.45	0.	0.	0.	1012.53	1012.53
28	196.77	229.69	0.	426.47	331.37	130.10	81.40	47.31	52.69	52.69	0.	0.	0.	1016.64	1016.64
29	196.77	229.69	0.	426.47	332.29	131.54	82.51	47.59	54.77	54.77	0.	0.	0.	1020.39	1020.39
30	196.77	229.69	0.	426.47	333.08	132.86	83.59	47.86	56.72	56.72	0.	0.	0.	1023.85	1023.85
31	196.77	229.69	0.	426.47	333.82	134.07	84.45	48.09	58.55	58.55	0.	0.	0.	1026.90	1026.90
32	196.77	229.69	0.	426.47	334.51	135.16	85.17	48.30	60.26	60.26	0.	0.	0.	1029.61	1029.61
33	196.77	229.69	0.	426.47	335.16	136.13	85.76	48.47	62.03	62.03	0.	0.	0.	1031.98	1031.98
34	196.77	229.69	0.	426.47	335.76	136.99	86.22	48.61	63.86	63.86	0.	0.	0.	1034.04	1034.04
35	196.77	229.69	0.	426.47	336.31	137.76	86.52	48.70	65.52	65.52	0.	0.	0.	1035.75	1035.75
36	196.77	229.69	0.	426.47	336.82	138.44	86.74	48.76	66.98	66.98	0.	0.	0.	1037.23	1037.23
37	196.77	229.69	0.	426.47	337.30	139.04	86.94	48.81	68.32	68.32	0.	0.	0.	1038.57	1038.57
38	196.77	229.69	0.	426.47	337.73	139.58	87.22	48.87	69.57	69.57	0.	0.	0.	1039.86	1039.86
39	196.77	229.69	0.	426.47	338.12	140.04	87.48	48.91	70.67	70.67	0.	0.	0.	1041.03	1041.03
40	196.77	229.69	0.	426.47	338.47	140.45	87.72	48.95	71.62	71.62	0.	0.	0.	1042.06	1042.06
41	196.77	229.69	0.	426.47	338.78	140.80	87.92	48.98	72.48	72.48	0.	0.	0.	1042.95	1042.95
42	196.77	229.69	0.	426.47	339.04	141.11	88.09	49.00	73.27	73.27	0.	0.	0.	1043.70	1043.70
43	196.77	229.69	0.	426.47	339.27	141.36	88.23	49.01	73.92	73.92	0.	0.	0.	1044.34	1044.34
44	196.77	229.69	0.	426.47	339.46	141.57	88.36	49.02	74.46	74.46	0.	0.	0.	1044.86	1044.86
45	196.77	229.69	0.	426.47	339.61	141.74	88.45	49.02	74.95	74.95	0.	0.	0.	1045.28	1045.28
46	196.77	229.69	0.	426.47	339.73	141.87	88.50	49.02	75.39	75.39	0.	0.	0.	1045.58	1045.58
47	196.77	229.69	0.	426.47	339.81	141.97	88.50	49.02	75.75	75.72	0.	0.	0.	1045.73	1045.76
48	196.77	229.69	0.	426.47	339.87	142.03	88.50	49.02	76.02	75.87	0.	0.	0.	1045.73	1045.88
49	196.77	229.69	0.	426.47	339.89	142.06	88.50	49.02	76.25	76.02	0.	0.	0.	1045.71	1045.93
50	196.77	229.69	0.	426.47	339.89	142.06	88.50	49.02	76.48	76.19	0.	0.	0.	1045.65	1045.93

TABLE A-3

HIGHER URANIUM AVAILABILITY COMPUTER OUTPUT

		<u>Present Valued Benefit (Billions of \$)</u>	<u>Case Page Number</u>
CASE 1.	No reprocessing and the LWR is the only nuclear option. [1099.02]	--	A-69
CASE 2.	With reprocessing and the LWR is the only nuclear option.. [1028.80] (Case 1 - Case 2)	70	A-75
CASE 3.	No reprocessing and the LWR and PBR-4021 are the only nuclear options. [1050.41] (Case 1 - Case 3)	49	A-80
CASE 4.	With reprocessing and the LWR and PBR-4021 are the only nuclear options. [1019.99] (Case 2 - Case 4)	9	A-85
CASE 5.	With reprocessing and the LWR, PBR-4021, PBR-PB, and PBR-NB are the only nuclear options. [1022.40] (Case 2 - Case 5)	6	A-90
CASE 6.	With reprocessing and the LWR, PBR-4021, PBR-PB, and PBR-PBTBR are the only nuclear options. [1013.37] (Case 2 - Case 6)	15	A-95
CASE 7.	No reprocessing and the LWR and HTGR-OC are the only nuclear options. [1099.54] (Case 1 - Case 7)	0	A-100
CASE 8.	With reprocessing and the LWR and HTGR-RC are the only nuclear options. [1007.71] (Case 2 - Case 8)	21	A-106
CASE 9.	With reprocessing and the LWR and HTGR-HC are the only nuclear options. [1018.22] (Case 2 - Case 9)	10	A-111
CASE 10.	With reprocessing and the LWR and PBR-78 are the only nuclear options. [1010.63] (Case 2 - Case 10)	18	A-116

[] = Present valued cost of generating electricity for this case.

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (***** REFERENCE INFORMATION FOR GCR INCENTIVES CASES *****)\$
 CRD NO....2 (DATA LAST CHANGED 1-5-79)\$
 CRD NO....3 (BASE DATA SET FOR PBR,\$)\$
 CRD NO....4 \$
 CRD NO....5 (BREEDER PERFORMANCE DATA)\$
 CRD NO....6 \$
 CRD NO....7 (LMFBR OUT OF CORE RATIOS)\$
 CRD NO....8 09(30)=2.5,09(65)=2.5,09(80)=1.5,09(121)=1.5 \$
 CRD NO....9 (LMFBR SPECIFIC POWER KWTH/KG PU FISSILE FOR 1ST CORE)\$
 CRD NO....10 D3(30)=1000. , D3(121)=1000. \$
 CRD NO....11 (LMFBR THERMAL EFFICIENCY)\$
 CRD NO....12 D4(30)=0.38,D4(121)=0.38 \$
 CRD NO....13 \$
 CRD NO....14 (INVENTORY SLOPES)\$
 CRD NO....15 \$
 CRD NO....16 (INVENTORY ON U-CYCLE LWR PU (MILLS/KW-HRO)/(\$/GM PU))\$
 CRD NO....17 CBUINV=0.0 , CPUINV=0.00236 \$
 CRD NO....18 CGUINV=0.003126 \$
 CRD NO....19 (PU CREDIT BASED ON LEVELIZATION PERIOD - (MILLS/KWHR)/(\$/GM))\$
 CRD NO....20 BWRSFI =0.0 , PWRSFI=0.0565\$
 CRD NO....21 \$
 CRD NO....22 (LWR U-CYCLE & HTGR PERFORMANCE DATA)\$
 CRD NO....23 \$
 CRD NO....24 (BWR,PWR,HTGR SPECIFIC POWERS -- MWTH/MTU)\$
 CRD NO....25 SPECIF(1)=1838.0,1714.0,26.9 \$
 CRD NO....26 (BWR,PWR,HTGR RELOAD BURNUPS -- MWDTH/MTU)\$
 CRD NO....27 BUPRLD(1)=1309430.0,571210.0,27500.0 \$
 CRD NO....28 (BWR,PWR,HTGR EFFICIENCY)\$
 CRD NO....29 EFFICY(1)=0.38,0.38,0.34 \$
 CRD NO....30 \$
 CRD NO....31 (PLUTONIUM PERFORMANCE DATA)\$
 CRD NO....32 \$
 CRD NO....33 PURCIN=242.0\$ INVERSE OF 4130.5 KG PU LOAD REQUIREMENT FOR 1000MWE
 CRD NO....34 PURCDC=257.0\$ INVERSE OF 3891.6 KG PU DISCHARGE PER 1000MWE
 CRD NO....35 (LWR PU RECYCLE PU CONSUMPTION RATE - KG PU/MWE-YR AT 100% CF)\$
 CRD NO....36 PURPCR(30) = 0.0748 , PURPCR(121)= 0.0748 \$
 CRD NO....37 (LWR PU RECYCLE PLUTONIUM INVENTORY - (MILLS/KWE-HRO)/(\$/GM PU))\$
 CRD NO....38 PURPIS(30) = 0.06816 , PURPIS(121)= 0.06816 \$
 CRD NO....39 (VALUE OF PU AFTER ONE RECYCLE - %/100) \$
 CRD NO....40 FPUVAU = 1.0 \$
 CRD NO....41 (NET PU PRODUCTION -- KG PU FISSILE/MWE-YR AT 100% CF)\$
 CRD NO....42 FBRPUP(30)=0.196,FBRPUP(121)=0.196 \$
 CRD NO....43 BWRPUP(30) = 0.0 , BWRPUP(121)= 0.0 \$
 CRD NO....44 PWRPUP(40) = 0.516 , PWRPUP(121)= 0.516 \$
 CRD NO....45 \$
 CRD NO....46 (U-233 PERFORMANCE DATA) \$
 CRD NO....47 \$
 CRD NO....48 UIRCIN=326.8 \$ INVERSE OF X KG U-233 LOAD REQUIRED FOR 1000 MWE
 CRD NO....49 UIRCDC=636.9 \$ INVERSE OF X KG U-233 DISCHARGE PER 1000 MWE

00000280
 00000290
 00000300
 00000310
 00000320
 00000330
 00000340
 00000350
 00000360
 00000370
 00000380
 00000390
 00000400
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 00000660
 00000670
 00000680
 00000690
 00000700
 00000710
 00000720
 00000730
 00000740
 00000750
 00000760

CRD NO...50 (GCR U-233 CONSUMPTION RATE - KG U-233/MWE-YR AT 100% CF) \$ 00000770
 CRD NO...51 UIRICR(30) = 0.6815, UIRICR(121) = 0.6815 \$ 00000780
 CRD NO...52 (GCR U-233 RECYCLE INVENTORY - (MILLS/KWE-HRO)/(\$/GM PU)) \$ 00000790
 CRD NO...53 UIRIIS(30) = 0.0741, UIRIIS(121) = 0.0741 \$ 00000800
 CRD NO...54 (VALUE OF U-233 AFTER ONE RECYCLE - %/100) \$ 00000810
 CRD NO...55 FUIVAU = 1.00 \$ 00000820
 CRD NO...56 (NET U-233 PRODUCTION -- KG U-233 FISSILE/MWE-YR AT 100% CF) \$ 00000830
 CRD NO...57 GCRUIP(45) = 0.235, GCRUIP(121) = 0.235 \$ 00000840
 CRD NO...58 ((U-233 CREDIT BASED ON LEVELIZATION PERIOD-(MILLS/KWHR)/(\$/GM)) \$ 00000850
 CRD NO...59 GCRSFI = 0.0237 00000860
 CRD NO...60 \$ 00000870
 CRD NO...61 (FUEL SERVICE CHARGES)\$ 00000880
 CRD NO...62 \$ 00000890
 CRD NO...63 (LWR AND GCR ENRICHMENT COSTS - (M/KWH)/(\$/SWU)) \$ 00000900
 CRD NO...64 BWRDEC(30) = 0.0187, BWRDEC(121) = 0.0187 \$ 00000910
 CRD NO...65 BWRIEC(30) = 0.0142, BWRIEC(121) = 0.0142 \$ 00000920
 CRD NO...66 PWRDEC(30) = 0.0258, PWRDEC(121) = 0.0258 \$ 00000930
 CRD NO...67 PWRIEC(30) = 0.0156, PWRIEC(121) = 0.0156 \$ 00000940
 CRD NO...68 GCRDEC(30) = 0.0154, GCRDEC(121) = 0.0154 \$ 00000950
 CRD NO...69 GCRIEC(30) = 0.00966, GCRIEC(121) = 0.00966 \$ 00000960
 CRD NO...70 (SEPARATIVE WORK COST -- \$/SWU)\$ 00000970
 CRD NO...71 ECOST(30)=61., ECOST(37)=61., ECOST(40)=75., ECOST(45)=85. \$ 00000980
 CRD NO...72 ECOST(121)=85. \$ 00000990
 CRD NO...73 SWUPCF = 0.0 \$ 00001000
 CRD NO...74 CONVER(35)=4.5, CONVER(40)=4.5, CONVER(60)=4.5, CONVER(121)=4.5 \$ 00001010
 CRD NO...75 (LWR AND GCR URANIUM COST (MILLS/KWH)/(\$/LB U308)) \$ 00001020
 CRD NO...76 BWRDUC(30) = 0.0368, BWRDUC(121) = 0.0368 \$ 00001030
 CRD NO...77 BWRIUC(30) = 0.0364, BWRIUC(121) = 0.0364 \$ 00001040
 CRD NO...78 PWRDUC(30) = 0.0503, PWRDUC(121) = 0.0503 \$ 00001050
 CRD NO...79 PWRIUC(30) = 0.0458, PWRIUC(121) = 0.0458 \$ 00001060
 CRD NO...80 GCRDUC(30) = 0.0407, GCRDUC(121) = 0.0407 \$ 00001070
 CRD NO...81 GCRIUC(30) = 0.0468, GCRIUC(121) = 0.0468 \$ 00001080
 CRD NO...82 (BWR,PWR,HTGR URANIUM INVENTORY FACTORS)\$ 00001090
 CRD NO...83 UINVEN(1)=1.50,1.50,1.50 \$ 00001100
 CRD NO...84 (BWR,PWR,GCR URANIUM ENRICHMENTS -- WEIGHT PERCENT U235)\$ 00001110
 CRD NO...85 EPNINT(1)=.93,.93,.0203 \$ 00001120
 CRD NO...86 EPNRLD(1)=.93,.93,.0273 \$ 00001130
 CRD NO...87 EPNOUT(1)=.002,.002,.008 \$ 00001140
 CRD NO...88 (TAILS COMPOSITION - WT%U235)\$ 00001150
 CRD NO...89 TAILS=0.20\$ 00001160
 CRD NO...90 TAILSL=0.0001\$ 00001170
 CRD NO...91 (FABRICATION CHARGES - MILLS/KWE-HRO)\$ 00001180
 CRD NO...92 BWRFAB(30)=.537,BWRFAB(121)=.537 \$ 00001190
 CRD NO...93 PWRFAB(30)=1.973,PWRFAB(121)=1.973 \$ 00001200
 CRD NO...94 PURFAB(30)=2.025,PURFAB(121)=2.025 \$ 00001210
 CRD NO...95 GCRFAB(30)=0.810,GCRFAB(121)=0.810 \$ 00001220
 CRD NO...96 UIRFAB(30)=3.00,UIRFAB(121)=3.00 \$ 00001230
 CRD NO...97 FBRFAB(30)=1.746,FBRFAB(121)=1.746 \$ 00001240
 CRD NO...98 (RECOVERY CHARGES - MILLS/KWE-HRO)\$ 00001250
 CRD NO...99 BWRREC(30)=0.1080,BWRREC(121)=0.1080 \$ 00001260
 CRD NO...100 PWRREC(30)=1.978,PWRREC(121)=1.978 \$ 00001270
 CRD NO...101 PURREC(30)=1.656,PURREC(121)=1.656 \$ 00001280

CRD NO. 102 GCRREC(30)=1.03,GCRREC(121)=1.03 \$
 CRD NO. 103 UIRREC(30)=1.03,UIRREC(121)=1.03 \$
 CRD NO. 104 FBRREC(30)=1.353,FBRREC(121)=1.353 \$
 CRD NO. 105 (OPERATING & MAINTENANCE COSTS - MILLS/KWE-HRO) \$
 CRD NO. 106 FOSOM(30)=1.60,FOSOM(121)=1.60 \$
 CRD NO. 107 BWRM(30)=2.12,BWRM(121)=2.12 \$
 CRD NO. 108 PWROM(30)=2.12,PWROM(121)=2.12 \$
 CRD NO. 109 PUROM(30)=2.12,PUROM(121)=2.12 \$
 CRD NO. 110 GCROM(30)=2.12,GCROM(121)=2.12 \$
 CRD NO. 111 UIROM(30)=2.12,UIROM(121)=2.12 \$
 CRD NO. 112 FBROM(30)=2.12,FBROM(121)=2.12 \$
 CRD NO. 113 (CAPITAL COSTS -- \$/KWE) \$
 CRD NO. 114 FOCC(1) = 500.0 , 99999.0 , 99999.0 \$
 CRD NO. 115 BWRCC(1)=660. , BWRCC(121)=660. \$
 CRD NO. 116 PWRCC(1)=660. , PWRCC(121)=660. \$
 CRD NO. 117 GCRCC(1)=600. , GCRCC(121)=600. \$
 CRD NO. 118 FBRCC(1)=660. , FBRCC(121)=660. \$
 CRD NO. 119 \$
 CRD NO. 120 (ANNUAL INFLATION RATES - %/100) \$
 CRD NO. 121 \$
 CRD NO. 122 RATEML(20)=.06,RATEML(121)=.06 \$
 CRD NO. 123 RATEM(20)=.06,RATEM(121)=.06 \$
 CRD NO. 124 RATEFL(20)=.06,RATEFL(121)=.06 \$
 CRD NO. 125 RATEG(1)=.06,RATEG(121)=.06 \$
 CRD NO. 126 RATEN(20)=.06,RATEN(121)=.06 \$
 CRD NO. 127 JTRIP=150 \$
 CRD NO. 128 \$
 CRD NO. 129 (MATERIAL AND LABOR SPLITS) \$
 CRD NO. 130 \$
 CRD NO. 131 FLBFAB=.1,FMBFAB=.9,FLBREC=.3,FMBREC=.2,FLBOM=1.0 \$
 CRD NO. 132 FLBCC=1.0,FMBCC=0.00 \$
 CRD NO. 133 FLFCC=1.0,FMFCC=0.00,FLFOM=1.0 \$
 CRD NO. 134 FLLCC=1.0,FMLCC=0.00 \$
 CRD NO. 135 FLLFAB=.61,FMLFAB=.39,FLLREC=.45,FMLREC=.3,FLLOM=1.0 \$
 CRD NO. 136 FLLEC=.15,FMLEC=.55,FLLUC=.5,FMLUC=.4 \$
 CRD NO. 137 FLPFAB=.4,FMPFAB=.6,FLPREC=.45,FMPREC=.3,FLPUOM=1.0 \$
 CRD NO. 138 FLGCC=1.0,FMGCC=0.00 \$
 CRD NO. 139 FLGFAB=.61,FMGFAB=.39,FLGREC=.45,FMGREC=.3,FLGOM=1.0 \$
 CRD NO. 140 FLGEC=.15,FMGEC=.55,FLGUC=.5,FMGUC=.4 \$
 CRD NO. 141 FLIFAB=.4,FMIFAB=.6,FLIREC=.45,FMIREC=.3,FLUIOM=1.0 \$
 CRD NO. 142 \$
 CRD NO. 143 (ECONOMICS - INTEREST & DISCOUNT RATES - %/100) \$
 CRD NO. 144 \$
 CRD NO. 145 R=0.1024 \$
 CRD NO. 146 DRWTP=0.1236,DRWTP=0.1130 \$
 CRD NO. 147 (EFFECTIVE INTEREST RATE PLUS TAXES) \$
 CRD NO. 148 EINRPT=0.1556 \$
 CRD NO. 149 FBRD30=0.0252 \$
 CRD NO. 150 FBRI30=0.1187 \$
 CRD NO. 151 FBRI30=0.1300 \$
 CRD NO. 152 FBRI30 = 0.0193 , FBRI30 = 0.1288 \$
 CRD NO. 153 (AVERAGE CAPITAL CHARGE RATE) \$

00001290
 00001300
 00001310
 00001320
 00001330
 00001340
 00001350
 00001360
 00001370
 00001380
 00001390
 00001400
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 00001480
 00001490
 00001500
 00001510
 00001520
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 00001590
 00001600
 00001610
 00001620
 00001630
 00001640
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 00001690
 00001700
 00001710
 00001720
 00001730
 00001740
 00001750
 00001760
 00001770
 00001780
 00001790
 00001800

CRD NO..154 AVECCR=0.1464 \$
 CRD NO..155 ACCR30 = 0.1380 \$
 CRD NO..156 (REGIONAL CAPITAL CHARGE RATE MULTIPLIERS)\$
 CRD NO..157 CCR(1)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 CRD NO..158 CCR(10)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 CRD NO..159 CCR(19)=1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 CRD NO..160 \$
 CRD NO..161 (MISCELLANEOUS INPUTS)\$
 CRD NO..162 \$
 CRD NO..163 A1=2.0,A3=1.0 \$
 CRD NO..164 (YR IN WHICH URAN RECYCLE BEGINS & TIME TO DEPLETION)\$
 CRD NO..165 LFYUR =2005 , LTDURS = 1 \$
 CRD NO..166 (YR IN WHICH PU RECYCLE BEGINS & TIME TO DEPLETION OF STOCKPILE)\$
 CRD NO..167 LFYPUR = 2005 \$
 CRD NO..168 LTDPUS = 4 \$
 CRD NO..169 (YR OF GCR INTRO, YR U-233 RECYCLE BEGINS, YRS TO STOCK DEplete) \$
 CRD NO..170 G1 = 1995. , LFYUR = 1990 , LTDUIS = 10 \$
 CRD NO..171 (FRACTION OF THE CAPITAL COST WHICH IS INTEREST DURING CONSTRUCTION)\$
 CRD NO..172 CINDC = 0.0 \$
 CRD NO..173 HTGRF = 0.00 \$
 CRD NO..174 GCRLIM(1)=1.,2.,4.,6.,9.,12.,14.,16.,18.,20. \$
 CRD NO..175 FBRLIM(1)=1.,2.,4.,6.,9.,12.,14.,16.,18.,20. \$
 CRD NO..176 JB = 16 \$
 CRD NO..177 NY = 2050 , LYEAR = 2020 D1 = 2010. \$
 CRD NO..178 IFIRST = 2001 \$
 CRD NO..179 IBTOPW = 2005 \$
 CRD NO..180 (CAPACITY FACTOR INFORMATION)\$
 CRD NO..181 RL11 = 0.70 , RL21 = 0.80 , RL31 = 0.80 , RL61 = 0.70 \$
 CRD NO..182 C(1)=1.0,C(6)=1.0,C(40)=.815,C(81)=.421,C(82)=0.0 \$
 CRD NO..183 (BWR TO LWR FRACTION)\$
 CRD NO..184 BWRLWR=1.00\$
 CRD NO..185 NGUT(1)=1,3,1,1,1,1,1,0,0,0,1,0,1,1,1,1,0,0,1,0 \$
 CRD NO..186 NGUT(21)=1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1 \$
 DTA CALL NO.....2 INPUT EDITS

00001810
 00001820
 00001830
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 00001980
 00001990
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 00002010
 00002020
 00002030
 00002040
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 00002060
 00002070
 00002080
 00002090
 00002100
 00002110
 00002120
 00002130

CRD NO....1 (CURRENT AVERAGE FOSSIL FUEL COST FOR EXISTING PLANTS - C/MBTU)\$
 CRD NO....2 CAFOFC = 90.0 \$
 CRD NO....3 (AVERAGE FOSSIL FUEL COSTS - COAL - OIL - GAS - CENTS/MBTU)\$
 CRD NO....4 AFOFC(1) = 100.0, 999999.0, 999999.0 \$
 CRD NO....5 (FOSSIL FUEL COST MULTIPLIERS - FOFC(I,J) - I=FUEL,J=REGION)\$
 CRD NO....6 FOFC(1,1) = 1.108,1.,1. \$
 CRD NO....7 FOFC(1,2) = 1.517,1.,1. \$
 CRD NO....8 FOFC(1,3) = 1.517,1.,1. \$
 CRD NO....9 FOFC(1,4) = 1.913,1.,1. \$
 CRD NO...10 FOFC(1,5) = 0.726,1.,1. \$
 CRD NO...11 FOFC(1,6) = 1.082,1.,1. \$
 CRD NO...12 FOFC(1,7) = 1.082,1.,1. \$
 CRD NO...13 FOFC(1,8) = 1.610,1.,1. \$
 CRD NO...14 FOFC(1,9) = 0.699,1.,1. \$
 CRD NO...15 FOFC(1,10)= 1.240,1.,1. \$
 CRD NO...16 FOFC(1,11)= 1.240,1.,1. \$

00002140
 00002150
 00002160
 00002170
 00002180
 00002190
 00002200
 00002210
 00002220
 00002230
 00002240
 00002250
 00002260
 00002270
 00002280
 00002290

CRD NO...17	FOFC(1,12)= 1.728,1.,1. \$	00002300
CRD NO...18	FOFC(1,13)= 0.475,1.,1. \$	00002310
CRD NO...19	FOFC(1,14)= 0.765,1.,1. \$	00002320
CRD NO...20	FOFC(1,15)= 0.765,1.,1. \$	00002330
CRD NO...21	FOFC(1,16)= 0.990,1.,1. \$	00002340
CRD NO...22	FOFC(1,17)= 0.237,1.,1. \$	00002350
CRD NO...23	FOFC(1,18)= 0.237,1.,1. \$	00002360
CRD NO...24	FOFC(1,19)= 0.681,1.,1. \$	00002370
CRD NO...25	FOFC(1,20)= 1.003,1.,1. \$	00002380
CRD NO...26	FOFC(1,21)= 0.396,1.,1. \$	00002390
CRD NO...27	FOFC(1,22)= 0.396,1.,1. \$	00002400
CRD NO...28	FOFC(1,23)= 1.346,1.,1. \$	00002410
CRD NO...29	FOFC(1,24)= 1.346,1.,1. \$	00002420
CRD NO...30	(FOSSIL FUEL ESCALATION RATES)\$	00002430
CRD NO...31	FFER(1,30)=.01147,.01147,.01147 \$	00002440
CRD NO...32	FFER(1,121)=.01147,.01147,.01147 \$	00002450
CRD NO...33	(FOSSIL THERMAL EFFICIENCIES)	00002460
CRD NO...34	FEFF(1) = 0.38 , 0.38 , 0.38 \$	00002470
CRD NO...35	(NUCLEAR LABOR COST MULTIPLIERS BY REGION)\$	00002480
CRD NO...36	LCMN(1) = 1.086,1.086,1.086,1.086,0.935,0.935,0.935,0.935,1.036,1.036 \$	00002490
CRD NO...37	LCMN(11)=1.036,1.036,0.985,0.985,0.985,0.985,0.960,0.960,0.960,0.960 \$	00002500
CRD NO...38	LCMN(21)= 0.998,0.998,0.998,0.998 \$	00002510
CRD NO...39	(FOSSIL LABOR COST MULTIPLIERS BY REGION)\$	00002520
CRD NO...40	LCMF(1) =1.072,1.072,1.072,1.072,0.936,0.936,0.936,0.936,1.030,1.030 \$	00002530
CRD NO...41	LCMF(11)=1.030,1.030,1.001,1.001,1.001,1.001,0.959,0.959,0.959,0.959 \$	00002540
CRD NO...42	LCMF(21)=0.857,0.857,0.857,0.857 \$	00002550
CRD NO...43	(GROWTH RATES)\$	00002560
CRD NO...44	GROW(20)=0.05,GROW(60)=0.05,GROW(61)=0.035,GROW(80)=0.035 \$	00002570
CRD NO...45	GROW(81)=0.05	00002580
CRD NO...46	RGROW(1)=0.852,0.852,0.852,0.852,1.239,1.239,1.239,1.239,0.936,0.936 \$	00002590
CRD NO...47	RGROW(11)=0.936,0.936,0.937,0.937,0.937,0.937,1.239,1.239,1.239,1.239 \$	00002600
CRD NO...48	RGROW(21)=1.014,1.014,1.014,1.014 \$	00002610
CRD NO...49	(1975 REGIONAL INSTALLED CAPACITIES - MWE)\$	00002620
CRD NO...50	CAPBY(1)=26109.,16038.,16039.,16411.,13729.,20190.,20190.,26650. \$	00002630
CRD NO...51	CAPBY(9)=16931.,18744.,18745.,6047.,8134.,12426.,12426.,12200. \$	00002640
CRD NO...52	CAPBY(17)=16304.,16304.,8454.,19323.,13802.,13802.,20703.,20703. \$\$	00002650

THE ABOVE CASE HAS BEEN SKIPPED (A1 IS GREATER THAN 1.0).

START OF CASE (
DTA CALL NO.....3

110877
INPUT EDITS

CRD NO....1	(CASE # 1 , LVR ONLY - NO RECYCLE) \$	00002670
CRD NO....2	A1 = 0.0 \$	00002680
CRD NO....3	NOUT(9) = 1 , NOUT(12) = 1 \$	00002690
CRD NO....4	G1 = 2051. , D1 = 2051. \$	00002700
CRD NO....5	GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 \$	00002710
CRD NO....6	GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 \$	00002720
CRD NO....7	GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 \$	00002730
CRD NO....8	GCRUC(30) = 0.0435 , GCRUC(121) = 0.0435 \$	00002740
CRD NO....9	GCRREC(30) = 0.475 , GCRREC(121) = 0.475 \$	00002750
CRD NO....10	GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 \$	00002760
CRD NO....11	UIRREC(30) = 0.475 , UIRREC(121) = 0.475 \$	00002770
CRD NO....12	LFYPUR = 2051 , LFYUIR = 2051 \$	00002780
CRD NO....13	GCRSFI = 0.0 , CGUINV = 0.0 \$	00002790

0145T 03 11-08-77 19.468

CRD NO...14 EPNOUT(3) = 0.002 \$\$
DTA CALL NO.....4 INPUT EDITS

CRD NO....1 \$\$

NCCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	767.5	0.	1618.5	0.	1309.31	1292.65	1041.29
2	1086.0	0.	1300.1	0.	1237.32	1136.86	1041.29
3	1036.2	0.	1349.8	0.	1196.39	1152.14	1041.29
4	1036.2	0.	1349.8	0.	1169.10	1152.14	1041.29
6	994.4	0.	1391.6	0.	1155.98	1163.12	1041.29

PAGE 6

00002800

00002810

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	0.	0.	16.0	171.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	0.	0.	17.0	188.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	0.	0.	18.0	206.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	0.	0.	19.0	225.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	0.	0.	20.0	244.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	0.	0.	20.5	265.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	0.	0.	21.0	286.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	0.	0.	22.0	308.	0.	0.
95	940.	34.9	609.	0.	0.	0.	0.	0.	0.	22.5	330.	0.	0.	22.5	330.	0.	0.
96	987.	37.5	633.	0.	0.	0.	0.	0.	0.	23.0	353.	0.	0.	23.0	353.	0.	0.
97	1036.	40.3	660.	0.	0.	0.	0.	0.	0.	23.5	376.	0.	0.	23.5	376.	0.	0.
98	1088.	43.3	688.	0.	0.	0.	0.	0.	0.	24.0	400.	0.	0.	24.0	400.	0.	0.
99	1142.	46.4	718.	0.	0.	0.	0.	0.	0.	24.5	423.	0.	0.	24.5	423.	0.	0.
00	1199.	49.8	753.	0.	0.	0.	0.	0.	0.	25.0	446.	0.	0.	25.0	446.	0.	0.
01	1241.	15.7	753.	0.	0.	0.	0.	0.	0.	45.2	488.	0.	0.	45.2	488.	0.	0.
02	1285.	17.0	753.	0.	0.	0.	0.	0.	0.	48.9	531.	0.	0.	48.9	531.	0.	0.
03	1330.	17.8	755.	0.	0.	0.	0.	0.	0.	51.2	574.	0.	0.	51.2	574.	0.	0.
04	1376.	18.7	760.	0.	0.	0.	0.	0.	0.	53.6	616.	0.	0.	53.6	616.	0.	0.
05	1424.	19.6	758.	0.	0.	0.	0.	0.	0.	56.1	666.	0.	0.	56.1	666.	0.	0.
06	1474.	20.6	756.	0.	0.	0.	0.	0.	0.	58.7	718.	0.	0.	58.7	718.	0.	0.
07	1526.	25.6	759.	0.	0.	0.	0.	0.	0.	57.6	766.	0.	0.	57.6	766.	0.	0.
08	1579.	23.9	766.	0.	0.	0.	0.	0.	0.	53.5	813.	0.	0.	53.5	813.	0.	0.
09	1634.	24.9	774.	0.	0.	0.	0.	0.	0.	55.5	860.	0.	0.	55.5	860.	0.	0.
10	1691.	30.0	787.	0.	0.	0.	0.	0.	0.	53.5	905.	0.	0.	53.5	905.	0.	0.
11	1751.	31.3	800.	0.	0.	0.	0.	0.	0.	55.6	950.	0.	0.	55.6	950.	0.	0.
12	1812.	32.5	815.	0.	0.	0.	0.	0.	0.	57.8	997.	0.	0.	57.8	997.	0.	0.
13	1875.	33.8	830.	0.	0.	0.	0.	0.	0.	60.1	1045.	0.	0.	60.1	1045.	0.	0.
14	1941.	35.2	846.	0.	0.	0.	0.	0.	0.	62.4	1095.	0.	0.	62.4	1095.	0.	0.
15	2009.	36.6	863.	0.	0.	0.	0.	0.	0.	64.9	1146.	0.	0.	64.9	1146.	0.	0.
16	2079.	38.1	881.	0.	0.	0.	0.	0.	0.	67.4	1198.	0.	0.	67.4	1198.	0.	0.
17	2152.	39.6	900.	0.	0.	0.	0.	0.	0.	70.1	1252.	0.	0.	70.1	1252.	0.	0.
18	2227.	52.1	930.	0.	0.	0.	0.	0.	0.	62.0	1297.	0.	0.	62.0	1297.	0.	0.
19	2305.	54.2	962.	0.	0.	0.	0.	0.	0.	64.5	1344.	0.	0.	64.5	1344.	0.	0.
20	2386.	56.4	994.	0.	0.	0.	0.	0.	0.	67.0	1392.	0.	0.	67.0	1392.	0.	0.
21	2339.	0.	968.	0.	0.	0.	0.	0.	0.	0.	1372.	0.	0.	0.	1372.	0.	0.
22	2290.	0.	939.	0.	0.	0.	0.	0.	0.	0.	1351.	0.	0.	0.	1351.	0.	0.
23	2239.	0.	908.	0.	0.	0.	0.	0.	0.	0.	1330.	0.	0.	0.	1330.	0.	0.

[illegible]

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES												
**	*****	*****	*****	*****	*****	*****					*****					*****	
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR					TOTALS		
	*****	*****	*****	*****	*****	*****				*****					*****		
						FUEL	FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU				
						O&M	RECOVERY	FEED	SALES	PURCHASES	RECOVERY	SALES	PURCHASES	WITH	W/O		
						O&M	O&M	SEP WK			O&M			PU	PU		
77	11.45	5.18	0.	16.63	15.47	1.04	0.48	0.18	0.	0.	0.	0.	0.	33.80	33.80		
78	19.44	9.17	0.	28.61	30.42	2.15	1.50	0.72	0.	0.	0.	0.	0.	63.40	63.40		
79	26.96	13.58	0.	40.54	44.86	3.33	2.61	1.33	0.	0.	0.	0.	0.	92.67	92.67		
80	34.26	18.11	0.	52.37	58.80	4.59	3.78	2.02	0.	0.	0.	0.	0.	121.55	121.55		
81	41.26	22.86	0.	64.13	72.24	5.92	5.02	2.77	0.	0.	0.	0.	0.	150.08	150.08		
82	48.00	27.80	0.	75.80	85.20	7.33	6.33	3.58	0.	0.	0.	0.	0.	178.24	178.24		
83	54.51	32.87	0.	87.38	97.69	8.82	7.71	4.46	0.	0.	0.	0.	0.	206.06	206.06		
84	60.82	38.06	0.	98.88	109.73	10.38	9.17	5.39	0.	0.	0.	0.	0.	233.55	233.55		
85	66.95	43.33	0.	110.28	121.29	12.02	10.69	6.39	0.	0.	0.	0.	0.	260.67	260.67		
86	72.94	48.66	0.	121.59	132.39	13.73	12.27	7.43	0.	0.	0.	0.	0.	287.42	287.42		
87	78.79	54.02	0.	132.81	143.06	15.51	13.92	8.51	0.	0.	0.	0.	0.	313.80	313.80		
88	84.53	59.39	0.	143.93	153.31	17.35	15.63	9.61	0.	0.	0.	0.	0.	339.83	339.83		
89	90.19	64.76	0.	154.94	163.16	19.26	17.40	10.75	0.	0.	0.	0.	0.	365.51	365.51		
90	95.76	70.10	0.	165.86	172.63	21.22	19.23	11.92	0.	0.	0.	0.	0.	390.86	390.86		
91	101.65	75.41	0.	177.06	181.72	23.23	21.11	13.11	0.	0.	0.	0.	0.	416.23	416.23		
92	107.62	80.54	0.	188.16	190.43	25.29	23.03	14.32	0.	0.	0.	0.	0.	441.23	441.23		
93	113.67	85.50	0.	199.17	198.78	27.39	24.99	15.54	0.	0.	0.	0.	0.	465.86	465.86		
94	119.70	90.40	0.	210.11	206.79	29.51	26.99	16.77	0.	0.	0.	0.	0.	490.17	490.17		
95	125.82	95.13	0.	220.96	214.47	31.67	29.02	18.02	0.	0.	0.	0.	0.	514.13	514.13		
96	132.02	99.70	0.	231.72	221.85	33.84	31.08	19.26	0.	0.	0.	0.	0.	537.75	537.75		
97	138.31	104.09	0.	242.40	228.97	36.02	33.16	20.51	0.	0.	0.	0.	0.	561.06	561.06		
98	144.67	108.33	0.	253.00	235.82	38.21	35.24	21.76	0.	0.	0.	0.	0.	584.02	584.02		
99	151.11	112.41	0.	263.52	242.44	40.39	37.32	23.00	0.	0.	0.	0.	0.	606.66	606.66		
00	157.62	116.33	0.	273.96	248.86	42.57	39.39	24.23	0.	0.	0.	0.	0.	629.00	629.00		
01	159.57	123.03	0.	282.59	254.80	44.81	41.77	25.59	0.	0.	0.	0.	0.	649.56	649.56		
02	161.55	129.86	0.	291.41	260.29	47.11	44.24	26.98	0.	0.	0.	0.	0.	670.04	670.04		
03	163.51	136.61	0.	300.12	265.39	49.46	46.77	28.40	0.	0.	0.	0.	0.	690.14	690.14		
04	165.45	143.27	0.	308.72	270.13	51.83	49.35	29.84	0.	0.	0.	0.	0.	709.88	709.88		
05	167.37	149.86	0.	317.22	274.47	54.25	51.96	31.29	0.	0.	0.	0.	0.	729.20	729.20		
06	169.26	156.36	0.	325.63	278.42	56.71	54.69	32.76	0.	0.	0.	0.	0.	748.21	748.21		
07	171.49	162.38	0.	333.86	282.14	59.19	57.46	34.18	0.	0.	0.	0.	0.	766.84	766.84		
08	173.45	167.64	0.	341.10	285.67	61.67	60.31	35.59	0.	0.	0.	0.	0.	784.35	784.35		
09	175.38	172.81	0.	348.19	289.03	64.15	63.30	36.99	0.	0.	0.	0.	0.	801.66	801.66		
10	177.58	177.50	0.	355.08	292.26	66.61	66.36	38.37	0.	0.	0.	0.	0.	818.68	818.68		
11	179.73	182.11	0.	361.84	295.37	69.04	69.55	39.73	0.	0.	0.	0.	0.	835.53	835.53		
12	181.85	186.62	0.	368.47	298.37	71.46	72.85	41.08	0.	0.	0.	0.	0.	852.22	852.22		
13	183.93	191.04	0.	374.97	301.26	73.84	76.28	42.41	0.	0.	0.	0.	0.	868.75	868.75		
14	185.96	195.38	0.	381.34	304.05	76.19	79.83	43.72	0.	0.	0.	0.	0.	885.14	885.14		
15	187.96	199.63	0.	387.59	306.76	78.52	83.53	45.01	0.	0.	0.	0.	0.	901.42	901.42		

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16	189.92	203.80	0.	393.73	309.38	80.81	87.44	46.29	0.	0.	0.	0.	0.	917.00	917.64
17	191.85	207.89	0.	399.74	311.92	83.08	91.55	47.54	0.	0.	0.	0.	0.	933.83	933.83
18	194.24	211.31	0.	405.55	314.46	85.29	95.78	48.75	0.	0.	0.	0.	0.	949.82	949.82
19	196.58	214.65	0.	411.24	317.00	87.45	100.38	49.93	0.	0.	0.	0.	0.	966.00	966.00
20	198.89	217.94	0.	416.83	319.53	89.56	105.43	51.08	0.	0.	0.	0.	0.	982.43	982.43
21	198.89	217.94	0.	416.83	321.87	91.52	109.88	52.06	0.	0.	0.	0.	0.	992.16	992.16
22	198.89	217.94	0.	416.83	324.03	93.35	114.37	52.96	0.	0.	0.	0.	0.	1001.53	1001.53
23	198.89	217.94	0.	416.83	326.02	95.04	118.84	53.80	0.	0.	0.	0.	0.	1010.53	1010.53
24	198.89	217.94	0.	416.83	327.84	96.61	123.28	54.58	0.	0.	0.	0.	0.	1019.13	1019.13
25	198.89	217.94	0.	416.83	329.50	98.07	127.59	55.30	0.	0.	0.	0.	0.	1027.29	1027.29
26	198.89	217.94	0.	416.83	331.01	99.42	131.78	55.96	0.	0.	0.	0.	0.	1035.00	1035.00
27	198.89	217.94	0.	416.83	332.37	100.67	135.81	56.58	0.	0.	0.	0.	0.	1042.25	1042.25
28	198.89	217.94	0.	416.83	333.59	101.82	139.57	57.15	0.	0.	0.	0.	0.	1048.96	1048.96
29	198.89	217.94	0.	416.83	334.67	102.89	143.07	57.67	0.	0.	0.	0.	0.	1055.13	1055.13
30	198.89	217.94	0.	416.83	335.61	103.88	146.32	58.16	0.	0.	0.	0.	0.	1060.79	1060.79
31	198.89	217.94	0.	416.83	336.49	104.78	149.15	58.59	0.	0.	0.	0.	0.	1065.83	1065.83
32	198.89	217.94	0.	416.83	337.32	105.58	151.69	58.97	0.	0.	0.	0.	0.	1070.38	1070.38
33	198.89	217.94	0.	416.83	338.09	106.31	153.95	59.31	0.	0.	0.	0.	0.	1074.49	1074.49
34	198.89	217.94	0.	416.83	338.81	106.96	155.96	59.61	0.	0.	0.	0.	0.	1078.17	1078.17
35	198.89	217.94	0.	416.83	339.49	107.54	157.73	59.88	0.	0.	0.	0.	0.	1081.46	1081.46
36	198.89	217.94	0.	416.83	340.11	108.04	159.27	60.11	0.	0.	0.	0.	0.	1084.36	1084.36
37	198.89	217.94	0.	416.83	340.69	108.49	160.61	60.32	0.	0.	0.	0.	0.	1086.93	1086.93
38	198.89	217.94	0.	416.83	341.22	108.89	161.80	60.49	0.	0.	0.	0.	0.	1089.22	1089.22
39	198.89	217.94	0.	416.83	341.70	109.23	162.81	60.65	0.	0.	0.	0.	0.	1091.22	1091.22
40	198.89	217.94	0.	416.83	342.13	109.53	163.69	60.78	0.	0.	0.	0.	0.	1092.96	1092.96
41	198.89	217.94	0.	416.83	342.51	109.78	164.42	60.89	0.	0.	0.	0.	0.	1094.44	1094.44
42	198.89	217.94	0.	416.83	342.85	110.00	165.02	60.99	0.	0.	0.	0.	0.	1095.68	1095.68
43	198.89	217.94	0.	416.83	343.15	110.19	165.49	61.06	0.	0.	0.	0.	0.	1096.70	1096.70
44	198.89	217.94	0.	416.83	343.40	110.33	165.84	61.12	0.	0.	0.	0.	0.	1097.51	1097.51
45	198.89	217.94	0.	416.83	343.61	110.45	166.07	61.16	0.	0.	0.	0.	0.	1098.13	1098.13
46	198.89	217.94	0.	416.83	343.79	110.54	166.21	61.19	0.	0.	0.	0.	0.	1098.55	1098.55
47	198.89	217.94	0.	416.83	343.94	110.60	166.25	61.21	0.	0.	0.	0.	0.	1098.81	1098.81
48	198.89	217.94	0.	416.83	344.03	110.64	166.25	61.21	0.	0.	0.	0.	0.	1098.95	1098.95
49	198.89	217.94	0.	416.83	344.08	110.66	166.25	61.21	0.	0.	0.	0.	0.	1099.02	1099.02
50	198.89	217.94	0.	416.83	344.08	110.66	166.25	61.21	0.00	0.	0.	0.	0.	1099.01	1099.02

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DTA CALL NO.....1

INPUT EDITS

PAGE 1

CRD NO.....1 (CASE # 2 , LWR ONLY - WITH RECYCLE) \$
CRD NO.....2 A1 = 0.0 \$
CRD NO.....3 G1 = 2051.0 , D1 = 2051.0 \$\$
DTA CALL NO.....2 INPUT EDITS

00002830
00002840
00002850

CRD NO.....1 \$\$

00002860

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	723.7	0.	1662.3	0.	727.47	872.92	1041.29
2	806.3	0.	1579.7	0.	722.51	862.19	1041.29
3	796.6	0.	1589.4	0.	719.41	862.63	1041.29

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	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	940.	34.9	609.	0.	0.	0.	0.	0.	0.	22.5	330.	17.5	64.	14.8	266.	0.	0.
96	987.	37.5	633.	0.	0.	0.	0.	0.	0.	23.0	353.	18.5	68.	18.6	285.	0.	0.
97	1036.	40.3	660.	0.	0.	0.	0.	0.	0.	23.5	376.	21.6	74.	17.4	301.	0.	0.
98	1088.	43.3	688.	0.	0.	0.	0.	0.	0.	24.0	400.	23.3	81.	17.2	319.	0.	0.
99	1142.	46.4	718.	0.	0.	0.	0.	0.	0.	24.5	423.	24.7	88.	17.3	335.	0.	0.
00	1199.	49.8	753.	0.	0.	0.	0.	0.	0.	25.0	446.	26.1	96.	17.4	350.	0.	0.
01	1241.	13.6	751.	0.	0.	0.	0.	0.	0.	47.3	490.	27.5	102.	41.3	388.	0.	0.
02	1285.	14.7	749.	0.	0.	0.	0.	0.	0.	51.2	536.	29.9	108.	44.6	427.	0.	0.
03	1330.	15.4	749.	0.	0.	0.	0.	0.	0.	53.6	581.	32.8	116.	45.4	464.	0.	0.
04	1376.	16.2	750.	0.	0.	0.	0.	0.	0.	56.1	625.	35.6	126.	46.5	499.	0.	0.
05	1424.	17.0	746.	0.	0.	0.	0.	0.	0.	58.7	678.	38.3	137.	47.9	541.	0.	0.
06	1474.	17.8	742.	0.	0.	0.	0.	0.	0.	61.5	732.	41.0	148.	50.4	584.	0.	0.
07	1526.	18.7	738.	0.	0.	0.	0.	0.	0.	64.4	788.	44.4	159.	52.8	629.	0.	0.
08	1579.	17.5	738.	0.	0.	0.	0.	0.	0.	59.9	841.	48.3	172.	47.2	669.	0.	0.
09	1634.	18.2	740.	0.	0.	0.	0.	0.	0.	62.2	895.	52.1	186.	48.4	709.	0.	0.
10	1691.	19.0	741.	0.	0.	0.	0.	0.	0.	64.6	950.	55.6	200.	49.9	750.	0.	0.
11	1751.	19.8	743.	0.	0.	0.	0.	0.	0.	67.1	1007.	59.1	215.	52.4	792.	0.	0.
12	1812.	20.6	746.	0.	0.	0.	0.	0.	0.	69.7	1066.	63.1	230.	54.9	836.	0.	0.
13	1875.	21.5	749.	0.	0.	0.	0.	0.	0.	72.4	1127.	67.4	245.	57.2	881.	0.	0.
14	1941.	22.3	752.	0.	0.	0.	0.	0.	0.	75.3	1189.	71.7	261.	59.2	928.	0.	0.
15	2009.	23.3	756.	0.	0.	0.	0.	0.	0.	78.2	1253.	75.9	278.	61.4	975.	0.	0.
16	2079.	27.7	763.	0.	0.	0.	0.	0.	0.	77.8	1316.	80.2	295.	60.7	1021.	0.	0.
17	2152.	28.8	771.	0.	0.	0.	0.	0.	0.	80.9	1381.	84.8	313.	63.5	1068.	0.	0.
18	2227.	30.0	779.	0.	0.	0.	0.	0.	0.	84.1	1448.	89.4	330.	66.4	1118.	0.	0.
19	2305.	31.2	788.	0.	0.	0.	0.	0.	0.	87.5	1517.	94.2	349.	69.2	1169.	0.	0.
20	2386.	32.5	797.	0.	0.	0.	0.	0.	0.	90.9	1589.	99.0	367.	72.1	1222.	0.	0.
21	2339.	0.	770.	0.	0.	0.	0.	0.	0.	0.	1569.	104.0	387.	0.	1183.	0.	0.
22	2290.	0.	741.	0.	0.	0.	0.	0.	0.	0.	1543.	109.2	406.	0.	1142.	0.	0.
23	2239.	0.	711.	0.	0.	0.	0.	0.	0.	0.	1528.	109.5	422.	0.	1106.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES											
	*****				*****											
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL *****	LWR				FBR				TOTALS		*****
						FUEL O&M	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES	WITH PU	W/O PU
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	0.	33.96	33.96
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	0.	63.58	63.58
79	26.96	13.58	0.	40.54	44.86	3.87	2.30	1.31	0.	0.	0.	0.	0.	0.	92.87	92.87
80	34.26	18.11	0.	52.37	58.80	5.33	3.29	1.99	0.	0.	0.	0.	0.	0.	121.78	121.78
81	41.26	22.86	0.	64.13	72.24	6.88	4.35	2.72	0.	0.	0.	0.	0.	0.	150.32	150.32
82	48.00	27.80	0.	75.80	85.20	8.51	5.47	3.52	0.	0.	0.	0.	0.	0.	178.50	178.50
83	54.61	32.87	0.	87.38	97.66	10.24	6.64	4.38	0.	0.	0.	0.	0.	0.	206.31	206.31
84	60.82	38.06	0.	98.88	109.64	12.06	7.87	5.29	0.	0.	0.	0.	0.	0.	233.74	233.74
85	66.95	43.33	0.	110.28	121.15	13.96	9.15	6.27	0.	0.	0.	0.	0.	0.	260.82	260.82
86	72.94	48.66	0.	121.59	132.20	15.95	10.48	7.29	0.18	0.18	0.	0.	0.	0.	287.52	287.52
87	78.79	54.02	0.	132.81	142.82	18.07	11.62	8.22	0.38	0.38	0.	0.	0.	0.	313.55	313.55
88	84.53	59.39	0.	143.93	153.03	20.31	12.76	9.15	0.57	0.57	0.	0.	0.	0.	339.17	339.17
89	90.19	64.76	0.	154.94	162.83	22.67	13.90	10.06	0.76	0.76	0.	0.	0.	0.	364.41	364.41
90	95.76	70.10	0.	165.86	172.24	25.15	15.04	10.98	0.96	0.96	0.	0.	0.	0.	389.26	389.26
91	101.65	75.41	0.	177.06	181.24	27.68	16.37	11.98	1.22	1.22	0.	0.	0.	0.	414.32	414.32
92	107.62	80.54	0.	188.16	189.86	30.28	17.63	12.95	1.50	1.50	0.	0.	0.	0.	438.89	438.89
93	113.67	85.50	0.	199.17	198.13	32.94	18.89	13.92	1.78	1.78	0.	0.	0.	0.	463.06	463.06
94	119.70	90.40	0.	210.11	206.06	35.66	20.15	14.89	2.06	2.06	0.	0.	0.	0.	486.87	486.87
95	125.82	95.13	0.	220.96	213.68	38.43	21.40	15.85	2.35	2.35	0.	0.	0.	0.	510.31	510.31
96	132.02	99.70	0.	231.72	220.99	41.23	22.72	16.83	2.67	2.67	0.	0.	0.	0.	533.49	533.49
97	138.31	104.09	0.	242.40	228.04	44.04	24.02	17.81	2.99	2.99	0.	0.	0.	0.	556.30	556.30
98	144.67	108.33	0.	253.00	234.80	46.87	25.31	18.77	3.32	3.32	0.	0.	0.	0.	578.74	578.74
99	151.11	112.41	0.	263.52	241.29	49.70	26.60	19.72	3.65	3.65	0.	0.	0.	0.	600.82	600.82
00	157.62	116.33	0.	273.96	247.56	52.53	27.87	20.65	3.99	3.99	0.	0.	0.	0.	622.57	622.57
01	159.30	123.34	0.	282.64	253.34	55.44	29.50	21.74	4.33	4.33	0.	0.	0.	0.	642.67	642.67
02	161.02	130.50	0.	291.52	258.65	58.44	31.19	22.87	4.69	4.69	0.	0.	0.	0.	662.67	662.67
03	162.71	137.57	0.	300.28	263.55	61.51	32.91	24.01	5.06	5.06	0.	0.	0.	0.	682.26	682.26
04	164.39	144.54	0.	308.94	268.08	64.63	34.64	25.17	5.45	5.44	0.	0.	0.	0.	701.45	701.45
05	166.05	151.43	0.	317.49	272.19	67.81	36.39	26.33	5.84	5.83	0.	0.	0.	0.	720.19	720.21
06	167.70	158.24	0.	325.94	275.89	71.06	38.16	27.51	6.24	6.22	0.	0.	0.	0.	738.55	738.57
07	169.33	164.97	0.	334.30	279.32	74.36	39.89	28.68	6.66	6.63	0.	0.	0.	0.	756.51	756.54
08	170.77	170.87	0.	341.64	282.51	77.68	41.58	29.82	7.08	7.05	0.	0.	0.	0.	773.20	773.22
09	172.18	176.65	0.	348.83	285.50	81.02	43.26	30.95	7.51	7.48	0.	0.	0.	0.	789.53	789.56
10	173.57	182.31	0.	355.88	288.29	84.37	44.94	32.08	7.95	7.91	0.	0.	0.	0.	805.53	805.57
11	174.93	187.87	0.	362.80	290.90	87.73	46.68	33.20	8.41	8.36	0.	0.	0.	0.	821.27	821.31
12	176.27	193.31	0.	369.58	293.34	91.08	48.49	34.32	8.90	8.84	0.	0.	0.	0.	836.75	836.81
13	177.59	198.64	0.	376.23	295.62	94.43	50.36	35.42	9.42	9.34	0.	0.	0.	0.	851.99	852.07
14	178.88	203.87	0.	382.76	297.76	97.77	52.30	36.52	9.95	9.86	0.	0.	0.	0.	867.01	867.10
15	180.16	209.00	0.	389.15	299.76	101.09	54.25	37.60	10.51	10.41	0.	0.	0.	0.	881.80	881.90

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16	181.58	213.81	0.	395.39	301.65	104.38	56.33	38.07	11.09	10.98	0.	0.	0.	896.07	896.42
17	182.98	218.53	0.	401.52	303.44	107.65	58.48	39.73	11.70	11.57	0.	0.	0.	910.69	910.81
18	184.36	223.16	0.	407.52	305.13	110.88	60.70	40.79	12.33	12.19	0.	0.	0.	924.88	925.02
19	185.71	227.70	0.	413.41	306.73	114.08	62.99	41.83	12.98	12.83	0.	0.	0.	938.89	939.04
20	187.04	232.16	0.	419.20	308.24	117.24	65.36	42.85	13.65	13.49	0.	0.	0.	952.72	952.89
21	187.04	232.16	0.	419.20	309.62	120.21	67.12	43.68	14.35	14.18	0.	0.	0.	959.65	959.83
22	187.04	232.16	0.	419.20	310.87	122.99	68.82	44.44	15.05	14.87	0.	0.	0.	966.14	966.32
23	187.04	232.16	0.	419.20	311.99	125.60	70.44	45.14	15.74	15.54	0.	0.	0.	972.17	972.36
24	187.04	232.16	0.	419.20	312.98	128.04	71.97	45.77	16.41	16.21	0.	0.	0.	977.76	977.96
25	187.04	232.16	0.	419.20	313.86	130.32	73.42	46.35	17.08	16.87	0.	0.	0.	982.93	983.15
26	187.04	232.16	0.	419.20	314.63	132.44	74.79	46.88	17.73	17.51	0.	0.	0.	987.71	987.93
27	187.04	232.16	0.	419.20	315.28	134.41	76.14	47.36	18.38	18.15	0.	0.	0.	992.16	992.39
28	187.04	232.16	0.	419.20	315.84	136.25	77.45	47.81	19.03	18.79	0.	0.	0.	996.30	996.53
29	187.04	232.16	0.	419.20	316.29	137.95	78.72	48.22	19.66	19.41	0.	0.	0.	1000.13	1000.38
30	187.04	232.16	0.	419.20	316.65	139.54	79.96	48.60	20.29	20.03	0.	0.	0.	1003.69	1003.95
31	187.04	232.16	0.	419.20	316.99	140.98	81.03	48.93	20.90	20.64	0.	0.	0.	1006.86	1007.13
32	187.04	232.16	0.	419.20	317.29	142.30	82.00	49.22	21.49	21.22	0.	0.	0.	1009.74	1010.01
33	187.04	232.16	0.	419.20	317.58	143.50	82.89	49.48	22.04	21.76	0.	0.	0.	1012.36	1012.64
34	187.04	232.16	0.	419.20	317.84	144.58	83.71	49.70	22.57	22.28	0.	0.	0.	1014.74	1015.02
35	187.04	232.16	0.	419.20	318.07	145.56	84.44	49.91	23.06	22.77	0.	0.	0.	1016.88	1017.18
36	187.04	232.16	0.	419.20	318.29	146.43	85.10	50.08	23.52	23.22	0.	0.	0.	1018.80	1019.10
37	187.04	232.16	0.	419.20	318.48	147.20	85.67	50.23	23.95	23.64	0.	0.	0.	1020.48	1020.79
38	187.04	232.16	0.	419.20	318.66	147.89	86.19	50.37	24.34	24.03	0.	0.	0.	1021.99	1022.31
39	187.04	232.16	0.	419.20	318.82	148.50	86.64	50.48	24.70	24.38	0.	0.	0.	1023.32	1023.64
40	187.04	232.16	0.	419.20	318.96	149.04	87.03	50.58	25.03	24.70	0.	0.	0.	1024.47	1024.80
41	187.04	232.16	0.	419.20	319.09	149.50	87.34	50.66	25.33	24.99	0.	0.	0.	1025.45	1025.79
42	187.04	232.16	0.	419.20	319.20	149.91	87.58	50.72	25.59	25.25	0.	0.	0.	1026.26	1026.60
43	187.04	232.16	0.	419.20	319.30	150.24	87.76	50.77	25.82	25.48	0.	0.	0.	1026.92	1027.26
44	187.04	232.16	0.	419.20	319.38	150.53	87.87	50.81	26.02	25.68	0.	0.	0.	1027.44	1027.78
45	187.04	232.16	0.	419.20	319.45	150.76	87.93	50.83	26.20	25.85	0.	0.	0.	1027.82	1028.17
46	187.04	232.16	0.	419.20	319.51	150.94	87.95	50.84	26.35	25.99	0.	0.	0.	1028.08	1028.44
47	187.04	232.16	0.	419.20	319.55	151.08	87.95	50.85	26.47	26.11	0.	0.	0.	1028.26	1028.62
48	187.04	232.16	0.	419.20	319.58	151.18	87.95	50.85	26.61	26.24	0.	0.	0.	1028.38	1028.74
49	187.04	232.16	0.	419.20	319.59	151.22	87.95	50.85	26.90	26.53	0.	0.	0.	1028.43	1028.80
50	187.04	232.16	0.	419.20	319.59	151.22	87.95	50.85	27.34	26.97	0.	0.	0.	1028.43	1028.80

030879

START OF CASE (

DTA CALL NO.....7

INPUT EDITS

CRD NO....1 (CASE # 3 , LWR AND 4021 - NO RECYCLE) \$ 00002880
 CRD NO....2 A1 = 0.0 \$ 00002890
 CRD NO....3 D1 = 2051.0 , IBTOPW = 2051 \$ 00002900
 CRD NO....4 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 \$ 00002910
 CRD NO....5 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 \$ 00002920
 CRD NO....6 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 \$ 00002930
 CRD NO....7 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 \$ 00002940
 CRD NO....8 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 \$ 00002950
 CRD NO....9 UIRREC(30) = 0.475 , UIRREC(121) = 0.475 \$ 00002960
 CRD NO....10 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 \$ 00002970
 CRD NO....11 LFYUIR = 2051 , LFYPUR = 2051 \$ 00002980
 CRD NO....12 GCRSFI = 0.0 , CGUINV = 0.0 \$ 00002990
 CRD NO....13 GCRLIM(1) = 1.14, 2.29, 4.57, 6.86, 10.29, 13.71, 16. , 18.29, 20.57, 22.86 \$ 00003000
 CRD NO....14 EPNOUT(3) = 0.002 \$\$ 00003010
 DTA CALL NO.....8 INPUT EDITS

CRD NO....1 \$\$

00003020

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP. WK.
1	706.5	1181.9	328.9	0.	929.59	848.93	1041.29
2	835.2	1079.1	317.6	0.	917.47	814.22	1041.29
3	829.6	1084.0	317.6	0.	909.57	814.75	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	0.	0.	16.0	171.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	0.	0.	17.0	188.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	0.	0.	18.0	206.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	0.	0.	19.0	225.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	0.	0.	20.0	244.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	0.	0.	20.5	265.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	0.	0.	21.0	286.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	0.	0.	22.0	308.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	0.	0.	21.4	329.	0.	0.
A-81 96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	0.	0.	20.7	350.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	0.	0.	18.9	368.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	0.	0.	17.1	385.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	0.	0.	14.2	398.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	0.	0.	11.3	407.	0.	0.
01	1234.	13.6	751.	14.0	48.	0.	0.	14.0	48.	31.3	435.	0.	0.	31.3	435.	0.	0.
02	1275.	14.7	749.	16.0	64.	0.	0.	16.0	64.	32.9	462.	0.	0.	32.9	462.	0.	0.
03	1318.	15.4	749.	18.0	82.	0.	0.	18.0	82.	33.0	487.	0.	0.	33.0	487.	0.	0.
04	1361.	16.2	750.	20.0	102.	0.	0.	20.0	102.	33.2	509.	0.	0.	33.2	509.	0.	0.
05	1402.	17.0	746.	51.4	153.	0.	0.	51.4	153.	0.	502.	0.	0.	0.	502.	0.	0.
06	1444.	17.8	742.	53.8	207.	0.	0.	53.8	207.	0.	495.	0.	0.	0.	495.	0.	0.
07	1488.	18.7	738.	56.4	264.	0.	0.	56.4	264.	0.	487.	0.	0.	0.	487.	0.	0.
08	1534.	17.5	738.	52.4	316.	0.	0.	52.4	316.	0.	480.	0.	0.	0.	480.	0.	0.
09	1581.	18.2	740.	54.4	370.	0.	0.	54.4	370.	0.	472.	0.	0.	0.	472.	0.	0.
10	1631.	19.0	741.	56.5	427.	0.	0.	56.5	427.	0.	463.	0.	0.	0.	463.	0.	0.
11	1681.	19.8	743.	58.7	486.	0.	0.	58.7	486.	0.	453.	0.	0.	0.	453.	0.	0.
12	1734.	20.6	746.	61.0	547.	0.	0.	61.0	547.	0.	442.	0.	0.	0.	442.	0.	0.
13	1788.	21.5	749.	63.4	610.	0.	0.	63.4	610.	0.	430.	0.	0.	0.	430.	0.	0.
14	1844.	22.3	752.	65.9	676.	0.	0.	65.9	676.	0.	417.	0.	0.	0.	417.	0.	0.
15	1903.	26.6	759.	65.5	741.	0.	0.	65.5	741.	0.	403.	0.	0.	0.	403.	0.	0.
16	1964.	27.7	767.	68.1	809.	0.	0.	68.1	809.	0.	388.	0.	0.	0.	388.	0.	0.
17	2027.	34.4	780.	65.9	875.	0.	0.	65.9	875.	0.	372.	0.	0.	0.	372.	0.	0.
18	2093.	35.8	794.	68.5	944.	0.	0.	68.5	944.	0.	355.	0.	0.	0.	355.	0.	0.
19	2160.	37.3	809.	71.2	1015.	0.	0.	71.2	1015.	0.	337.	0.	0.	0.	337.	0.	0.
20	2231.	44.7	830.	68.9	1084.	0.	0.	68.9	1084.	0.	318.	0.	0.	0.	318.	0.	0.
21	2185.	0.	803.	0.	1084.	0.	0.	0.	1084.	0.	298.	0.	0.	0.	298.	0.	0.
22	2135.	0.	774.	0.	1084.	0.	0.	0.	1084.	0.	277.	0.	0.	0.	277.	0.	0.
23	2084.	0.	744.	0.	1084.	0.	0.	0.	1084.	0.	256.	0.	0.	0.	256.	0.	0.

24	2029.	0.	711.	0.	1084.	0.	0.	0.	1084.	0.	234.	0.	0.	0.	234.	0.	0.
25	1972.	0.	676.	0.	1083.	0.	0.	0.	1083.	0.	213.	0.	0.	0.	213.	0.	0.
26	1912.	0.	639.	0.	1081.	0.	0.	0.	1081.	0.	192.	0.	0.	0.	192.	0.	0.
27	1848.	0.	598.	0.	1077.	0.	0.	0.	1077.	0.	173.	0.	0.	0.	173.	0.	0.
28	1782.	0.	555.	0.	1071.	0.	0.	0.	1071.	0.	156.	0.	0.	0.	156.	0.	0.
29	1712.	0.	509.	0.	1062.	0.	0.	0.	1062.	0.	142.	0.	0.	0.	142.	0.	0.
30	1639.	0.	459.	0.	1050.	0.	0.	0.	1050.	0.	130.	0.	0.	0.	130.	0.	0.
31	1560.	0.	445.	0.	1036.	0.	0.	0.	1036.	0.	99.	0.	0.	0.	99.	0.	0.
32	1517.	0.	431.	0.	1020.	0.	0.	0.	1020.	0.	66.	0.	0.	0.	66.	0.	0.
33	1450.	0.	415.	0.	1002.	0.	0.	0.	1002.	0.	33.	0.	0.	0.	33.	0.	0.
34	1381.	0.	399.	0.	982.	0.	0.	0.	982.	0.	-0.	-0.0	-0.	0.	0.	0.	0.
35	1313.	0.	382.	0.	931.	0.	0.	0.	931.	0.	-0.	0.	-0.	0.	0.	0.	0.
36	1241.	0.	364.	0.	877.	0.	0.	0.	877.	0.	-0.	0.	-0.	0.	0.	0.	0.
37	1166.	0.	345.	0.	821.	0.	0.	0.	821.	0.	-0.	0.	-0.	0.	0.	0.	0.
38	1096.	0.	328.	0.	768.	0.	0.	0.	768.	0.	-0.	0.	-0.	0.	0.	0.	0.
39	1023.	0.	310.	0.	714.	0.	0.	0.	714.	0.	-0.	-0.0	-0.	0.	0.	0.	0.
40	948.	0.	291.	0.	657.	0.	0.	0.	657.	0.	-0.	0.	-0.	0.	0.	0.	0.
41	869.	0.	271.	0.	599.	0.	0.	0.	599.	0.	-0.	0.	-0.	0.	0.	0.	0.
42	788.	0.	250.	0.	538.	0.	0.	0.	538.	0.	-0.	0.	-0.	0.	0.	0.	0.
43	703.	0.	229.	0.	474.	0.	0.	0.	474.	0.	-0.	0.	-0.	0.	0.	0.	0.
44	615.	0.	206.	0.	408.	0.	0.	0.	408.	0.	-0.	-0.0	-0.	0.	0.	0.	0.
45	523.	0.	180.	0.	343.	0.	0.	0.	343.	0.	-0.	0.	-0.	0.	0.	0.	0.
46	427.	0.	152.	0.	275.	0.	0.	0.	275.	0.	-0.	0.	-0.	0.	0.	0.	0.
47	326.	0.	118.	0.	209.	0.	0.	0.	209.	0.	-0.	0.	-0.	0.	0.	0.	0.
48	222.	0.	82.	0.	140.	0.	0.	0.	140.	0.	-0.	0.	-0.	0.	0.	0.	0.
49	114.	0.	46.	0.	69.	0.	0.	0.	69.	0.	-0.	-0.0	-0.	0.	0.	0.	0.
50	0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES												
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR			PU	PU	FABRICATION	PU	PU		TOTALS		
		LWR				FUEL	FABRICATION	URANIUM	SALES	PURCHASES	RECOVERY	SALES	PURCHASES		WITH	W*O	
						O&M	O&M	FEED	SEP	WK	O&M				PU	PU	
77	11.45	5.18	0.	16.63	15.47	1.04	0.48	0.18	0.	0.	0.	0.	0.		33.80	33.80	
78	19.44	9.17	0.	28.61	30.42	2.15	1.50	0.72	0.	0.	0.	0.	0.		63.40	63.40	
79	26.96	13.58	0.	40.54	44.86	3.33	2.61	1.33	0.	0.	0.	0.	0.		92.67	92.67	
80	34.26	18.11	0.	52.37	58.80	4.59	3.78	2.02	0.	0.	0.	0.	0.		121.56	121.56	
81	41.26	22.86	0.	64.13	72.24	5.92	5.02	2.77	0.	0.	0.	0.	0.		150.08	150.08	
82	48.00	27.80	0.	75.80	85.20	7.33	6.33	3.59	0.	0.	0.	0.	0.		178.25	178.25	
83	54.51	32.87	0.	87.38	97.69	8.82	7.72	4.46	0.	0.	0.	0.	0.		206.07	206.07	
84	60.82	38.06	0.	98.88	109.73	10.38	9.17	5.40	0.	0.	0.	0.	0.		233.55	233.55	
85	66.95	43.33	0.	110.28	121.29	12.02	10.69	6.40	0.	0.	0.	0.	0.		260.68	260.68	
86	72.94	48.66	0.	121.59	132.39	13.73	12.28	7.44	0.	0.	0.	0.	0.		287.43	287.43	
87	78.79	54.02	0.	132.81	143.06	15.51	13.92	8.51	0.	0.	0.	0.	0.		313.81	313.81	
88	84.53	59.39	0.	143.93	153.31	17.35	15.64	9.62	0.	0.	0.	0.	0.		339.84	339.84	
89	90.19	64.76	0.	154.94	163.16	19.26	17.41	10.76	0.	0.	0.	0.	0.		365.52	365.52	
90	95.76	70.10	0.	165.86	172.63	21.22	19.23	11.92	0.	0.	0.	0.	0.		390.87	390.87	
91	101.65	75.41	0.	177.06	181.72	23.24	21.11	13.11	0.	0.	0.	0.	0.		416.24	416.24	
92	107.62	80.54	0.	188.16	190.43	25.30	23.03	14.32	0.	0.	0.	0.	0.		441.24	441.24	
93	113.67	85.50	0.	199.17	198.78	27.39	24.99	15.54	0.	0.	0.	0.	0.		465.88	465.88	
94	119.70	90.40	0.	210.11	206.79	29.52	26.99	16.78	0.	0.	0.	0.	0.		490.18	490.18	
95	125.82	95.13	0.	220.95	214.47	31.67	29.01	18.02	0.	0.	0.	0.	0.		514.13	514.13	
96	132.02	99.67	0.	231.69	221.85	33.84	31.05	19.28	0.	0.	0.	0.	0.		537.71	537.71	
97	138.31	104.03	0.	242.34	228.97	36.01	33.09	20.53	0.	0.	0.	0.	0.		560.94	560.94	
98	144.67	108.22	0.	252.89	235.79	38.18	35.10	21.79	0.	0.	0.	0.	0.		583.76	583.76	
99	151.11	112.24	0.	263.35	242.35	40.35	37.08	23.06	0.	0.	0.	0.	0.		606.18	606.18	
00	157.62	116.09	0.	273.71	248.68	42.48	39.03	24.32	0.	0.	0.	0.	0.		628.22	628.22	
01	159.30	123.00	0.	282.31	254.51	44.69	41.29	25.73	0.	0.	0.	0.	0.		648.53	648.53	
02	161.02	130.07	0.	291.09	259.37	46.95	43.62	27.20	0.	0.	0.	0.	0.		668.73	668.73	
03	162.71	137.03	0.	299.75	264.82	49.25	46.00	28.70	0.	0.	0.	0.	0.		688.51	688.51	
04	164.39	143.90	0.	308.29	269.39	51.58	48.40	30.23	0.	0.	0.	0.	0.		707.89	707.89	
05	166.05	150.53	0.	316.59	273.54	53.92	50.63	31.81	0.	0.	0.	0.	0.		726.50	726.50	
06	167.70	157.09	0.	324.78	277.29	56.28	52.89	33.43	0.	0.	0.	0.	0.		744.68	744.68	
07	169.33	163.56	0.	332.89	280.75	58.65	55.16	35.06	0.	0.	0.	0.	0.		762.51	762.51	
08	170.77	169.24	0.	340.01	283.99	61.01	57.49	36.67	0.	0.	0.	0.	0.		779.16	779.16	
09	172.18	174.80	0.	346.98	287.01	63.35	59.88	38.30	0.	0.	0.	0.	0.		795.53	795.53	
10	173.57	180.26	0.	353.83	289.83	65.69	62.35	39.94	0.	0.	0.	0.	0.		811.63	811.63	
11	174.93	185.60	0.	360.53	292.47	68.00	64.88	41.57	0.	0.	0.	0.	0.		827.46	827.46	
12	176.27	190.84	0.	367.11	294.93	70.30	67.49	43.21	0.	0.	0.	0.	0.		843.05	843.05	
13	177.59	195.97	0.	373.56	297.24	72.57	70.17	44.85	0.	0.	0.	0.	0.		858.39	858.39	
14	178.88	201.01	0.	379.89	299.39	74.81	72.92	46.49	0.	0.	0.	0.	0.		873.50	873.50	
15	180.34	205.73	0.	386.07	301.42	77.03	75.72	48.11	0.	0.	0.	0.	0.		888.35	888.35	

A-83

	16	181.76	210.36	0.	392.13	303.34	79.21	78.59	49.72	0.	0.	0.	0.	0.	902.50	902.98
	17	183.44	214.59	0.	398.03	305.19	81.35	81.52	51.29	0.	0.	0.	0.	0.	917.38	917.38
	18	185.08	218.74	0.	403.82	306.97	83.44	84.55	52.85	0.	0.	0.	0.	0.	931.63	931.63
	19	186.69	222.81	0.	409.50	308.68	85.50	87.69	54.39	0.	0.	0.	0.	0.	945.76	945.76
	20	188.51	226.52	0.	415.04	310.35	87.51	90.91	55.89	0.	0.	0.	0.	0.	959.69	959.69
	21	188.51	226.52	0.	415.04	311.87	89.37	93.81	57.16	0.	0.	0.	0.	0.	967.25	967.25
	22	188.51	226.52	0.	415.04	313.25	91.10	96.74	58.34	0.	0.	0.	0.	0.	974.47	974.47
	23	188.51	226.52	0.	415.04	314.50	92.71	99.67	59.43	0.	0.	0.	0.	0.	981.35	981.35
	24	188.51	226.52	0.	415.04	315.62	94.20	102.57	60.45	0.	0.	0.	0.	0.	987.69	987.69
	25	188.51	226.52	0.	415.04	316.62	95.58	105.44	61.40	0.	0.	0.	0.	0.	994.08	994.08
	26	188.51	226.52	0.	415.04	317.49	96.86	108.25	62.29	0.	0.	0.	0.	0.	999.92	999.92
	27	188.51	226.52	0.	415.04	318.25	98.04	110.99	63.11	0.	0.	0.	0.	0.	1005.42	1005.42
	28	188.51	226.52	0.	415.04	318.90	99.14	113.65	63.87	0.	0.	0.	0.	0.	1010.60	1010.60
	29	188.51	226.52	0.	415.04	319.45	100.15	116.24	64.57	0.	0.	0.	0.	0.	1015.44	1015.44
	30	188.51	226.52	0.	415.04	319.90	101.09	118.73	65.22	0.	0.	0.	0.	0.	1019.97	1019.97
	31	188.51	226.52	0.	415.04	320.31	101.93	120.91	65.80	0.	0.	0.	0.	0.	1023.99	1023.99
	32	188.51	226.52	0.	415.04	320.70	102.70	122.87	66.33	0.	0.	0.	0.	0.	1027.63	1027.63
	33	188.51	226.52	0.	415.04	321.05	103.38	124.60	66.80	0.	0.	0.	0.	0.	1030.68	1030.68
	34	188.51	226.52	0.	415.04	321.38	103.99	126.13	67.23	0.00	0.00	0.	0.	0.	1033.77	1033.77
	35	188.51	226.52	0.	415.04	321.69	104.54	127.54	67.60	0.00	0.00	0.	0.	0.	1036.41	1036.41
	36	188.51	226.52	0.	415.04	321.97	105.03	128.79	67.93	0.00	0.00	0.	0.	0.	1038.75	1038.75
	37	188.51	226.52	0.	415.04	322.23	105.45	129.87	68.22	0.00	0.00	0.	0.	0.	1040.81	1040.81
	38	188.51	226.52	0.	415.04	322.46	105.83	130.83	68.47	0.00	0.00	0.	0.	0.	1042.64	1042.64
	39	188.51	226.52	0.	415.04	322.68	106.17	131.66	68.69	0.00	0.00	0.	0.	0.	1044.23	1044.23
	40	188.51	226.52	0.	415.04	322.88	106.45	132.37	68.88	0.00	0.00	0.	0.	0.	1045.61	1045.61
A-84	41	188.51	226.52	0.	415.04	323.06	106.70	132.96	69.03	0.00	0.00	0.	0.	0.	1046.79	1046.79
	42	188.51	226.52	0.	415.04	323.22	106.91	133.44	69.16	0.00	0.00	0.	0.	0.	1047.77	1047.77
	43	188.51	226.52	0.	415.04	323.36	107.09	133.82	69.27	0.00	0.00	0.	0.	0.	1048.57	1048.57
	44	188.51	226.52	0.	415.04	323.49	107.23	134.10	69.35	0.00	0.00	0.	0.	0.	1049.21	1049.21
	45	188.51	226.52	0.	415.04	323.61	107.34	134.31	69.41	0.00	0.00	0.	0.	0.	1049.70	1049.70
	46	188.51	226.52	0.	415.04	323.70	107.43	134.43	69.45	0.00	0.00	0.	0.	0.	1050.05	1050.05
	47	188.51	226.52	0.	415.04	323.77	107.49	134.50	69.48	0.00	0.00	0.	0.	0.	1050.27	1050.27
	48	188.51	226.52	0.	415.04	323.82	107.53	134.50	69.48	0.00	0.00	0.	0.	0.	1050.37	1050.37
	49	188.51	226.52	0.	415.04	323.85	107.54	134.50	69.48	0.00	0.00	0.	0.	0.	1050.41	1050.41
	50	188.51	226.52	0.	415.04	323.85	107.54	134.50	69.48	0.00	0.00	0.	0.	0.	1050.41	1050.41

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PAGE

1

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 4 , LWR AND 4021 - WITH RECYCLE) \$
CRD NO....2 A1 = 0.0 \$
CRD NO....3 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86.\$
CRD NO....4 D1 = 2051.0 , IBTOPW = 2051 , LFYUIR = 2051 \$\$
DTA CALL NO.....2 INPUT EDITS

00003040
00003050
00003060
00003070

CRD NO....1 \$\$

00003080

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	694.9	1191.1	329.9	0.	709.31	638.70	1041.29
2	753.4	1143.9	325.4	0.	706.14	629.63	1041.29
3	750.6	1146.3	325.4	0.	704.22	630.17	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
A-96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	21.5	74.	12.9	294.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	11.8	749.	14.0	48.	0.	0.	14.0	48.	33.1	437.	26.2	99.	28.3	338.	0.	0.
02	1275.	12.8	745.	16.0	64.	0.	0.	16.0	64.	34.8	466.	27.9	104.	30.1	362.	0.	0.
03	1318.	13.4	743.	18.0	82.	0.	0.	18.0	82.	35.0	493.	30.0	109.	29.3	383.	0.	0.
04	1361.	14.1	743.	20.0	102.	0.	0.	20.0	102.	35.3	517.	31.9	116.	28.7	401.	0.	0.
05	1402.	14.8	736.	53.3	155.	0.2	0.	53.1	155.	0.	510.	33.6	123.	0.	387.	0.	0.
06	1444.	15.5	729.	55.8	211.	0.2	0.	55.6	211.	0.	503.	35.0	131.	0.	373.	0.	0.
07	1487.	16.2	723.	58.5	270.	0.2	1.	58.3	269.	0.	495.	35.1	136.	0.	359.	0.	0.
08	1533.	15.2	721.	54.4	324.	0.1	1.	54.3	323.	0.	488.	35.4	139.	0.	349.	0.	0.
09	1580.	15.8	720.	56.5	381.	0.	1.	56.7	380.	0.	479.	35.7	141.	0.	338.	0.	0.
10	1629.	16.5	719.	58.7	439.	0.1	0.	58.8	439.	0.	470.	36.0	142.	0.	328.	0.	0.
11	1679.	17.1	718.	61.0	500.	0.2	0.	61.0	500.	0.	460.	36.1	143.	0.	317.	0.	0.
12	1731.	17.8	718.	63.4	564.	0.1	0.	63.4	563.	0.	449.	35.6	143.	0.	306.	0.	0.
13	1786.	21.5	721.	63.4	627.	0.1	0.	63.3	627.	0.	437.	35.2	143.	0.5	294.	0.	0.
14	1842.	22.3	725.	65.9	693.	0.	0.	66.0	693.	0.	424.	34.8	142.	1.2	283.	0.	0.
15	1900.	23.3	728.	68.4	761.	0.	0.	68.6	761.	0.	410.	34.3	140.	1.8	270.	0.	0.
16	1960.	24.2	732.	71.1	833.	0.	0.	71.2	832.	0.	395.	33.7	138.	1.9	257.	0.	0.
17	2023.	25.3	737.	73.9	907.	0.	0.	74.0	907.	0.	379.	32.8	136.	2.4	244.	0.	0.
18	2087.	26.3	741.	76.8	933.	0.	0.	76.8	933.	0.	362.	31.9	133.	2.8	230.	0.	0.
19	2153.	27.4	746.	79.9	1063.	0.	0.	79.9	1063.	0.	344.	30.9	129.	3.3	215.	0.	0.
20	2222.	28.6	751.	83.0	1146.	0.	0.	83.0	1146.	0.	325.	29.9	126.	3.8	200.	0.	0.
21	2176.	0.	724.	0.	1146.	0.	0.	0.	1146.	0.	305.	28.9	122.	4.0	184.	0.	0.
22	2127.	0.	695.	0.	1146.	0.	0.	0.	1146.	0.	285.	27.6	117.	4.3	168.	0.	0.
23	2076.	0.	665.	0.	1146.	0.	0.	0.	1146.	0.	264.	26.3	113.	4.7	151.	0.	0.

24	2020.	0.	632.	0.	1146.	0.	0.	0.	1146.	0.	242.	24.9	108.	5.1	134.	0.	0.
25	1963.	0.	597.	0.	1145.	0.	0.	0.	1145.	0.	221.	23.5	102.	5.4	118.	0.	0.
26	1903.	0.	560.	0.	1143.	0.	0.	0.	1143.	0.	200.	22.0	97.	5.6	103.	0.	0.
27	1840.	0.	519.	0.	1139.	0.	0.	0.	1139.	0.	181.	20.5	91.	5.7	90.	0.	0.
28	1773.	0.	476.	0.	1133.	0.	0.	0.	1133.	0.	164.	19.0	85.	5.9	79.	0.	0.
29	1704.	0.	430.	0.	1124.	0.	0.	0.	1124.	0.	150.	17.6	79.	5.9	70.	0.	0.
30	1630.	0.	380.	0.	1112.	0.	0.	0.	1112.	0.	138.	16.3	73.	5.7	65.	0.	0.
31	1572.	0.	368.	0.	1098.	0.	0.	0.	1098.	0.	105.	15.1	68.	5.4	37.	0.	0.
32	1508.	0.	355.	0.	1082.	0.	0.	0.	1082.	0.	70.	14.0	63.	5.0	7.	0.	0.
33	1441.	0.	342.	0.	1064.	0.	0.	0.	1064.	0.	35.	-10.1	35.	5.8	0.	0.	0.
34	1372.	0.	328.	0.	1044.	0.	0.	0.	1044.	0.	0.	-19.0	0.	0.	0.	0.	0.
35	1304.	0.	313.	0.	991.	0.	0.	0.	991.	0.	0.	15.1	0.	0.	0.	0.	0.
36	1233.	0.	298.	0.	935.	0.	0.	0.	935.	0.	0.	14.0	0.	0.	0.	0.	0.
37	1158.	0.	281.	0.	877.	0.	0.	0.	877.	0.	0.	-10.1	0.	0.	0.	0.	0.
38	1088.	0.	266.	0.	822.	0.	0.	0.	822.	0.	0.	-19.0	0.	0.	0.	0.	0.
39	1016.	0.	250.	0.	766.	0.	0.	0.	766.	0.	0.	15.1	0.	0.	0.	0.	0.
40	941.	0.	234.	0.	707.	0.	0.	0.	707.	0.	0.	14.0	0.	0.	0.	0.	0.
41	863.	0.	217.	0.	646.	0.	0.	0.	646.	0.	0.	-10.1	0.	0.	0.	0.	0.
42	781.	0.	199.	0.	583.	0.	0.	0.	583.	0.	0.	-19.0	0.	0.	0.	0.	0.
43	697.	0.	177.	0.	519.	0.	0.	0.	519.	0.	0.	15.1	0.	0.	0.	0.	0.
44	608.	0.	155.	0.	453.	0.	0.	0.	453.	0.	0.	14.0	0.	0.	0.	0.	0.
45	517.	0.	132.	0.	385.	0.	0.	0.	385.	0.	0.	-10.1	0.	0.	0.	0.	0.
46	421.	0.	108.	0.	314.	0.	0.	0.	314.	0.	0.	-19.0	0.	0.	0.	0.	0.
47	322.	0.	82.	0.	240.	0.	0.	0.	240.	0.	0.	15.1	0.	0.	0.	0.	0.
48	219.	0.	56.	0.	163.	0.	0.	0.	163.	0.	0.	14.0	0.	0.	0.	0.	0.
49	112.	0.	29.	0.	83.	0.	0.	0.	83.	0.	0.	-10.1	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	0.	-19.0	0.	0.	0.	0.	0.

ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS															EXPENSES															TOTALS	
	HTGR				TOTAL	FOSSIL	LWR				FBR				TOTALS																	
	FOSSIL	LWR	FBR	FABRICATION RECOVERY O&M			URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES	WITH PU	W*O PU																	
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	0.	0.	33.96	33.96															
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	0.	0.	63.59	63.59															
79	26.96	13.58	0.	40.54	44.86	3.87	2.30	1.31	0.	0.	0.	0.	0.	0.	0.	92.88	92.88															
80	34.26	18.11	0.	52.37	58.80	5.33	3.30	1.99	0.	0.	0.	0.	0.	0.	0.	121.78	121.78															
81	41.26	22.86	0.	64.13	72.24	6.88	4.35	2.73	0.	0.	0.	0.	0.	0.	0.	150.32	150.32															
82	48.00	27.80	0.	75.80	85.20	8.52	5.47	3.52	0.	0.	0.	0.	0.	0.	0.	178.51	178.51															
83	54.51	32.87	0.	87.38	97.66	10.24	6.64	4.38	0.	0.	0.	0.	0.	0.	0.	206.31	206.31															
84	60.82	38.06	0.	98.88	109.64	12.06	7.87	5.30	0.	0.	0.	0.	0.	0.	0.	233.75	233.75															
85	66.95	43.33	0.	110.28	121.15	13.96	9.18	6.28	0.	0.	0.	0.	0.	0.	0.	260.83	260.83															
86	72.94	48.66	0.	121.59	132.20	15.95	10.48	7.29	0.18	0.18	0.	0.	0.	0.	0.	287.53	287.53															
87	78.79	54.02	0.	132.81	142.82	18.07	11.63	8.23	0.38	0.38	0.	0.	0.	0.	0.	313.56	313.56															
88	84.53	59.39	0.	143.93	153.03	20.31	12.76	9.15	0.57	0.57	0.	0.	0.	0.	0.	339.18	339.18															
89	90.19	64.76	0.	154.94	162.83	22.68	13.90	10.07	0.76	0.76	0.	0.	0.	0.	0.	364.42	364.42															
90	95.76	70.10	0.	165.86	172.24	25.15	15.04	10.98	0.96	0.96	0.	0.	0.	0.	0.	389.27	389.27															
91	101.65	75.41	0.	177.06	181.24	27.68	16.37	11.98	1.22	1.22	0.	0.	0.	0.	0.	414.33	414.33															
92	107.62	80.54	0.	188.16	189.86	30.29	17.64	12.96	1.50	1.50	0.	0.	0.	0.	0.	438.90	438.90															
93	113.67	85.50	0.	199.17	198.13	32.95	18.89	13.93	1.78	1.78	0.	0.	0.	0.	0.	463.07	463.07															
94	119.70	90.40	0.	210.11	206.06	35.67	20.15	14.89	2.06	2.06	0.	0.	0.	0.	0.	486.89	486.89															
95	125.82	95.13	0.	220.95	213.68	38.44	21.40	15.86	2.35	2.35	0.	0.	0.	0.	0.	510.31	510.31															
96	132.02	99.67	0.	231.69	220.99	41.22	22.70	16.85	2.67	2.67	0.	0.	0.	0.	0.	533.45	533.45															
97	138.31	104.03	0.	242.34	228.04	44.02	23.96	17.83	2.99	2.99	0.	0.	0.	0.	0.	556.19	556.19															
98	144.67	108.22	0.	252.89	234.80	46.82	25.20	18.81	3.31	3.31	0.	0.	0.	0.	0.	578.51	578.51															
99	151.11	112.24	0.	263.35	241.29	49.60	26.41	19.79	3.63	3.63	0.	0.	0.	0.	0.	600.44	600.44															
00	157.62	116.09	0.	273.71	247.56	52.36	27.59	20.76	3.95	3.95	0.	0.	0.	0.	0.	621.99	621.99															
01	159.08	123.27	0.	282.35	253.32	55.19	29.16	21.92	4.27	4.27	0.	0.	0.	0.	0.	641.93	641.93															
02	160.53	130.60	0.	291.17	258.59	58.08	30.78	23.13	4.60	4.60	0.	0.	0.	0.	0.	661.77	661.77															
03	162.05	137.83	0.	299.88	263.43	61.02	32.44	24.38	4.93	4.93	0.	0.	0.	0.	0.	681.16	681.16															
04	163.51	144.96	0.	308.47	267.69	63.99	34.12	25.66	5.27	5.27	0.	0.	0.	0.	0.	700.13	700.13															
05	164.95	151.84	0.	316.80	271.91	66.96	35.71	27.04	5.60	5.60	0.	0.	0.	0.	0.	718.42	718.42															
06	166.38	158.65	0.	325.03	275.51	69.93	37.33	28.46	5.92	5.92	0.	0.	0.	0.	0.	736.26	736.26															
07	167.80	165.37	0.	333.17	278.82	72.88	38.90	29.89	6.22	6.22	0.	0.	0.	0.	0.	753.66	753.66															
08	169.05	171.27	0.	340.31	281.89	75.81	40.47	31.32	6.51	6.51	0.	0.	0.	0.	0.	769.79	769.79															
09	170.27	177.05	0.	347.32	284.74	78.69	42.05	32.77	6.78	6.78	0.	0.	0.	0.	0.	785.56	785.56															
10	171.48	182.72	0.	354.19	287.38	81.53	43.64	34.24	7.05	7.05	0.	0.	0.	0.	0.	800.98	800.98															
11	172.66	188.27	0.	360.93	289.83	84.33	45.27	35.73	7.30	7.30	0.	0.	0.	0.	0.	816.08	816.08															
12	173.82	193.71	0.	367.53	292.10	87.08	46.97	37.23	7.54	7.54	0.	0.	0.	0.	0.	830.91	830.91															
13	175.14	198.85	0.	373.98	294.22	89.78	48.73	38.73	7.78	7.78	0.	0.	0.	0.	0.	845.44	845.44															
14	176.43	203.88	0.	380.31	296.21	92.42	50.56	40.24	8.00	8.01	0.	0.	0.	0.	0.	859.75	859.74															
15	177.70	208.82	0.	386.52	298.07	95.01	52.46	41.75	8.23	8.23	0.	0.	0.	0.	0.	873.83	873.82															

17	180.18	218.40	0.	398.57	301.43	100.01	56.59	44.81	8.65	8.66	0.	0.	0.	887.75	887.69
18	181.38	223.05	0.	404.43	302.95	102.43	58.80	46.34	8.84	8.85	0.	0.	0.	901.43	901.42
19	182.57	227.61	0.	410.18	304.37	104.80	61.11	47.87	9.03	9.04	0.	0.	0.	914.97	914.96
20	183.73	232.09	0.	415.82	305.70	107.11	63.51	49.40	9.21	9.22	0.	0.	0.	928.34	928.33
21	183.73	232.09	0.	415.82	306.89	109.25	65.48	50.65	9.38	9.40	0.	0.	0.	941.54	941.53
22	183.73	232.09	0.	415.82	307.97	111.23	67.44	51.82	9.55	9.56	0.	0.	0.	918.10	948.09
23	183.73	232.09	0.	415.82	308.93	113.07	69.37	52.92	9.70	9.71	0.	0.	0.	954.30	954.29
24	183.73	232.09	0.	415.82	309.77	114.77	71.25	53.95	9.84	9.85	0.	0.	0.	960.12	960.10
25	183.73	232.09	0.	415.82	310.50	116.34	73.09	54.90	9.97	9.98	0.	0.	0.	965.57	965.56
26	183.73	232.09	0.	415.82	311.13	117.79	74.89	55.79	10.09	10.11	0.	0.	0.	970.67	970.66
27	183.73	232.09	0.	415.82	311.66	119.13	76.73	56.63	10.21	10.22	0.	0.	0.	975.44	975.43
28	183.73	232.09	0.	415.82	312.09	120.36	78.57	57.40	10.32	10.33	0.	0.	0.	979.97	979.96
29	183.73	232.09	0.	415.82	312.44	121.50	80.40	58.12	10.42	10.43	0.	0.	0.	984.26	984.24
30	183.73	232.09	0.	415.82	312.69	122.55	82.22	58.60	10.51	10.53	0.	0.	0.	988.29	988.28
31	183.73	232.09	0.	415.82	312.93	123.50	83.84	59.39	10.60	10.61	0.	0.	0.	992.09	992.08
32	183.73	232.09	0.	415.82	313.15	124.35	85.36	59.94	10.67	10.69	0.	0.	0.	995.49	995.48
33	183.73	232.09	0.	415.82	313.35	125.10	86.80	60.43	10.87	10.88	0.	0.	0.	998.62	998.61
34	183.73	232.09	0.	415.82	313.54	125.75	88.11	60.87	11.22	11.23	0.	0.	0.	1001.50	1001.49
35	183.73	232.09	0.	415.82	313.71	126.33	89.40	61.27	11.52	11.53	0.	0.	0.	1004.10	1004.09
36	183.73	232.09	0.	415.82	313.86	126.85	90.57	61.62	11.78	11.79	0.	0.	0.	1006.54	1006.53
37	183.73	232.09	0.	415.82	314.00	127.30	91.62	61.93	12.05	12.06	0.	0.	0.	1008.73	1008.72
38	183.73	232.09	0.	415.82	314.13	127.71	92.58	62.20	12.37	12.38	0.	0.	0.	1010.69	1010.68
39	183.73	232.09	0.	415.82	314.25	128.07	93.42	62.44	12.64	12.65	0.	0.	0.	1012.46	1012.45
40	183.73	232.09	0.	415.82	314.36	128.38	94.15	62.64	12.87	12.88	0.	0.	0.	1014.01	1014.00
A-89 41	183.73	232.09	0.	415.82	314.46	128.64	94.77	62.81	13.11	13.12	0.	0.	0.	1015.36	1015.35
42	183.73	232.09	0.	415.82	314.54	128.87	95.28	62.96	13.38	13.39	0.	0.	0.	1016.52	1016.50
43	183.73	232.09	0.	415.82	314.61	129.06	95.69	63.07	13.60	13.61	0.	0.	0.	1017.48	1017.47
44	183.73	232.09	0.	415.82	314.68	129.22	96.00	63.17	13.78	13.79	0.	0.	0.	1018.27	1018.26
45	183.73	232.09	0.	415.82	314.72	129.35	96.23	63.24	13.98	13.99	0.	0.	0.	1018.90	1018.89
46	183.73	232.09	0.	415.82	314.76	129.44	96.37	63.28	14.19	14.20	0.	0.	0.	1019.37	1019.35
47	183.73	232.09	0.	415.82	314.79	129.51	96.44	63.31	14.37	14.38	0.	0.	0.	1019.69	1019.68
48	183.73	232.09	0.	415.82	314.81	129.56	96.44	63.32	14.51	14.53	0.	0.	0.	1019.88	1019.87
49	183.73	232.09	0.	415.82	314.82	129.58	96.44	63.32	14.67	14.68	0.	0.	0.	1019.96	1019.94
50	183.73	232.09	0.	415.82	314.82	129.58	96.44	63.32	14.84	14.85	0.	0.	0.	1019.99	1019.98

3013T 02 03-08-79 22.650

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 5 , LWR , 4021 , PB AND NB - WITH RECYCLE)\$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO....4 IBTOPW = 2016 \$
 CRD NO....5 D1 = 2051.0 , LFYUIR = 2010 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003100
 00003110
 00003120
 00003130
 00003140

CRD NO....1 \$\$

00003150

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	703.8	782.8	787.6	0.	726.11	872.06	1041.29
2	784.3	759.0	734.3	0.	721.99	863.15	1041.29
3	784.3	759.0	734.3	0.	719.25	863.15	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	206.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	306.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	21.5	74.	12.9	294.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	11.8	749.	14.0	48.	0.	0.	14.0	48.	33.1	437.	26.2	99.	28.3	338.	0.	0.
02	1275.	12.8	745.	16.0	64.	0.	0.	16.0	64.	34.8	466.	27.9	104.	30.1	362.	0.	0.
03	1318.	13.4	743.	18.0	82.	0.	0.	18.0	82.	35.0	493.	30.0	109.	29.3	383.	0.	0.
04	1361.	14.1	743.	20.0	102.	0.	0.	20.0	102.	35.3	517.	31.9	116.	28.7	401.	0.	0.
05	1402.	14.8	736.	53.3	155.	0.2	0.	53.1	155.	0.	510.	33.6	123.	0.	387.	0.	0.
06	1444.	15.5	729.	55.8	211.	0.2	0.	55.6	211.	0.	503.	35.0	131.	0.	373.	0.	0.
07	1487.	16.2	723.	58.5	270.	0.2	1.	58.3	269.	0.	495.	35.1	136.	0.	359.	0.	0.
08	1533.	15.2	721.	54.4	324.	0.1	1.	54.3	323.	0.	488.	35.4	139.	0.	349.	0.	0.
09	1580.	15.8	720.	56.5	381.	0.	1.	56.7	380.	0.	479.	35.7	141.	0.	338.	0.	0.
10	1629.	16.5	719.	58.7	439.	0.1	0.	58.8	439.	0.	470.	36.0	142.	0.	328.	0.	0.
11	1679.	17.1	718.	61.0	500.	0.2	0.	61.0	500.	0.	460.	36.1	143.	0.	317.	0.	0.
12	1732.	20.6	721.	61.0	561.	0.1	0.	61.0	561.	0.	449.	35.6	143.	0.	306.	0.	0.
13	1786.	21.5	724.	63.4	625.	0.1	0.	63.3	624.	0.	437.	35.2	143.	0.5	294.	0.	0.
14	1842.	22.3	727.	65.9	691.	0.	0.	66.0	690.	0.	424.	34.8	142.	1.2	283.	0.	0.
15	1901.	23.3	731.	68.4	759.	0.	0.	68.6	759.	0.	410.	34.3	140.	1.8	270.	0.	0.
16	1971.	27.7	739.	0.	759.	0.	0.	0.1	759.	77.8	473.	33.7	138.	79.8	335.	0.	0.
17	2044.	28.8	746.	0.	759.	0.	0.	0.1	759.	80.9	530.	32.8	136.	83.3	403.	0.	0.
18	2119.	30.0	755.	0.	759.	0.	0.	0.	759.	84.1	605.	36.1	137.	82.8	468.	0.	0.
19	2197.	37.3	769.	0.	759.	0.	0.	0.	759.	81.4	669.	39.5	142.	76.2	527.	0.	0.
20	2278.	38.8	784.	0.	759.	0.	0.	0.	759.	84.6	734.	42.8	151.	75.6	583.	0.	0.
21	2231.	0.	758.	0.	759.	0.	0.	0.	759.	0.	714.	45.6	164.	0.	550.	0.	0.
22	2182.	0.	729.	0.	759.	0.	0.	0.	759.	0.	694.	48.2	176.	0.	518.	0.	0.
23	2130.	0.	698.	0.	759.	0.	0.	0.	759.	0.	673.	48.1	185.	0.	488.	0.	0.

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24	2076.	0.	666.	0.	759.	0.	0.	0.	759.	0.	651.	48.1	190.	0.	461.	0.	0.
25	2018.	0.	631.	0.	758.	0.	0.	0.	758.	0.	629.	48.2	193.	0.	437.	0.	0.
26	1958.	0.	593.	0.	756.	0.	0.	0.	756.	0.	609.	48.2	193.	0.0	416.	0.	0.
27	1895.	0.	553.	0.	752.	0.	0.	0.	752.	0.	590.	48.2	193.	0.	397.	0.	0.
28	1828.	0.	510.	0.	746.	0.	0.	0.	746.	0.	573.	47.1	192.	1.0	361.	0.	0.
29	1759.	0.	463.	0.	737.	0.	0.	0.	737.	0.	558.	46.0	189.	2.2	369.	0.	0.
30	1686.	0.	414.	0.	725.	0.	0.	0.	725.	0.	547.	45.2	186.	3.0	361.	0.	0.
31	1627.	0.	402.	0.	711.	0.	0.	0.	711.	0.	514.	44.6	183.	3.7	331.	0.	0.
32	1563.	0.	389.	0.	695.	0.	0.	0.	695.	0.	479.	44.1	180.	2.9	299.	0.	0.
33	1497.	0.	376.	0.	677.	0.	0.	0.	677.	0.	444.	42.0	176.	4.1	268.	0.	0.
34	1427.	0.	361.	0.	657.	0.	0.	0.	657.	0.	409.	39.7	170.	5.5	239.	0.	0.
35	1359.	0.	347.	0.	604.	0.	0.	0.	604.	0.	409.	37.6	163.	6.9	245.	0.	0.
36	1288.	0.	331.	0.	548.	0.	0.	0.	548.	0.	409.	35.7	155.	8.4	254.	0.	0.
37	1213.	0.	315.	0.	489.	0.	0.	0.	489.	0.	409.	35.8	149.	6.1	260.	0.	0.
38	1144.	0.	300.	0.	435.	0.	0.	0.	435.	0.	409.	35.2	144.	4.5	265.	0.	0.
39	1071.	0.	284.	0.	378.	0.	0.	0.	378.	0.	409.	34.4	141.	3.3	268.	0.	0.
40	996.	0.	267.	0.	320.	0.	0.	0.	320.	0.	409.	33.5	139.	2.2	270.	0.	0.
41	918.	0.	250.	0.	259.	0.	0.	0.	259.	0.	409.	32.7	136.	3.1	273.	0.	0.
42	836.	0.	230.	0.	198.	0.	0.	0.	198.	0.	409.	32.9	133.	2.3	275.	0.	0.
43	751.	0.	208.	0.	134.	0.	0.	0.	134.	0.	409.	32.7	132.	1.6	277.	0.	0.
44	663.	0.	186.	0.	68.	0.	0.	0.	68.	0.	409.	32.4	131.	1.1	278.	0.	0.
45	572.	0.	163.	0.	-0.	0.	-0.	0.	0.	0.	409.	32.1	130.	0.6	279.	0.	0.
46	466.	0.	135.	0.	-0.	0.	-0.	0.	0.	0.	331.	31.7	129.	1.2	202.	0.	0.
47	356.	0.	106.	0.	-0.	0.	-0.	0.	0.	0.	250.	31.9	128.	0.9	122.	0.	0.
48	242.	0.	76.	0.	-0.	0.	-0.	0.	0.	0.	166.	27.7	123.	4.8	43.	0.	0.
49	123.	0.	39.	0.	-0.	0.	-0.	0.	0.	0.	85.	-6.6	85.	8.9	0.	0.	0.
50	0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	0.	-52.9	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES												
	FOSSIL	HTOR LWR	FBR	TOTAL	FOSSIL	LWR						FBR				TOTALS	
						FUEL O&M	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES			
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	0.	33.96	33.96	
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	0.	63.59	63.59	
79	26.96	13.58	0.	40.54	44.86	3.87	2.30	1.31	0.	0.	0.	0.	0.	0.	92.88	92.88	
80	34.26	18.11	0.	52.37	58.80	5.33	3.30	1.99	0.	0.	0.	0.	0.	0.	121.78	121.78	
81	41.26	22.86	0.	64.13	72.24	6.88	4.35	2.73	0.	0.	0.	0.	0.	0.	150.32	150.32	
82	48.00	27.80	0.	75.80	85.20	8.52	5.47	3.62	0.	0.	0.	0.	0.	0.	178.51	178.51	
83	54.51	32.87	0.	87.38	97.66	10.24	6.64	4.38	0.	0.	0.	0.	0.	0.	206.31	206.31	
84	60.82	38.06	0.	98.88	109.64	12.06	7.87	5.30	0.	0.	0.	0.	0.	0.	233.75	233.75	
85	66.95	43.33	0.	110.28	121.15	13.96	9.15	6.28	0.	0.	0.	0.	0.	0.	260.83	260.83	
86	72.94	48.66	0.	121.59	132.20	15.95	10.48	7.29	0.18	0.18	0.	0.	0.	0.	287.53	287.53	
87	78.79	54.02	0.	132.81	142.82	18.07	11.63	8.23	0.38	0.38	0.	0.	0.	0.	313.56	313.56	
88	84.53	59.39	0.	143.93	153.03	20.31	12.76	9.15	0.57	0.57	0.	0.	0.	0.	339.18	339.18	
89	90.19	64.76	0.	154.94	162.83	22.68	13.90	10.07	0.76	0.76	0.	0.	0.	0.	364.42	364.42	
90	95.76	70.10	0.	165.86	172.24	25.15	15.04	10.98	0.96	0.96	0.	0.	0.	0.	389.27	389.27	
91	101.65	75.41	0.	177.06	181.24	27.68	16.37	11.98	1.22	1.22	0.	0.	0.	0.	414.33	414.33	
92	107.62	80.54	0.	188.16	189.86	30.29	17.64	12.96	1.50	1.50	0.	0.	0.	0.	438.90	438.90	
93	113.67	85.50	0.	199.17	198.13	32.95	18.89	13.93	1.78	1.78	0.	0.	0.	0.	463.07	463.07	
94	119.70	90.40	0.	210.11	206.06	35.67	20.15	14.89	2.06	2.06	0.	0.	0.	0.	486.89	486.89	
95	125.82	95.13	0.	220.95	213.68	38.44	21.40	15.86	2.35	2.35	0.	0.	0.	0.	510.31	510.31	
96	132.02	99.67	0.	231.69	220.99	41.22	22.70	16.85	2.67	2.67	0.	0.	0.	0.	533.45	533.45	
97	138.31	104.03	0.	242.34	228.04	44.02	23.96	17.83	2.99	2.99	0.	0.	0.	0.	556.19	556.19	
98	144.67	108.22	0.	252.89	234.80	46.82	25.20	18.81	3.31	3.31	0.	0.	0.	0.	578.51	578.51	
99	151.11	112.24	0.	263.35	241.29	49.60	26.41	19.79	3.63	3.63	0.	0.	0.	0.	600.44	600.44	
00	157.62	116.09	0.	273.71	247.56	52.36	27.59	20.76	3.95	3.95	0.	0.	0.	0.	621.99	621.99	
01	159.08	123.27	0.	282.35	253.32	55.19	29.16	21.92	4.27	4.27	0.	0.	0.	0.	641.93	641.93	
02	160.58	130.60	0.	291.17	258.59	58.08	30.78	23.13	4.60	4.60	0.	0.	0.	0.	661.77	661.77	
03	162.05	137.83	0.	299.88	263.43	61.02	32.44	24.38	4.93	4.93	0.	0.	0.	0.	681.16	681.16	
04	163.51	144.96	0.	308.47	267.89	63.99	34.12	25.66	5.27	5.27	0.	0.	0.	0.	700.13	700.13	
05	164.95	151.84	0.	316.80	271.91	66.96	35.71	27.04	5.60	5.60	0.	0.	0.	0.	718.42	718.42	
06	166.38	158.65	0.	325.03	275.51	69.93	37.33	28.46	5.92	5.92	0.	0.	0.	0.	736.26	736.26	
07	167.80	165.37	0.	333.17	278.82	72.88	38.90	29.89	6.22	6.22	0.	0.	0.	0.	753.66	753.66	
08	169.05	171.27	0.	340.31	281.89	75.81	40.47	31.32	6.51	6.51	0.	0.	0.	0.	769.79	769.79	
09	170.27	177.05	0.	347.32	284.74	78.69	42.05	32.77	6.78	6.78	0.	0.	0.	0.	785.56	785.56	
10	171.48	182.72	0.	354.19	287.38	81.53	43.64	34.24	7.05	7.05	0.	0.	0.	0.	800.98	800.98	
11	172.66	188.27	0.	360.93	289.83	84.33	45.27	35.73	7.30	7.30	0.	0.	0.	0.	816.08	816.08	
12	174.00	193.51	0.	367.51	292.11	87.08	46.95	37.22	7.54	7.54	0.	0.	0.	0.	830.87	830.87	
13	175.31	198.64	0.	373.96	294.25	89.77	48.71	38.71	7.78	7.78	0.	0.	0.	0.	845.40	845.40	
14	176.61	203.67	0.	380.28	296.26	92.41	50.54	40.22	8.00	8.01	0.	0.	0.	0.	859.70	859.70	
15	177.88	208.61	0.	386.49	298.13	94.99	52.45	41.73	8.23	8.23	0.	0.	0.	0.	873.79	873.79	

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[illegible]

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PAGE

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DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 6 , LWR , 4021 , PB AND PBTBR - WITH RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 PURCIN = 1.0 , PURCDC = 1.0 \$
 CRD NO....4 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO....5 FBRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO....6 IBTOPW = 2010 \$
 CRD NO....7 D1 = 2010.0 , LFYUIR = 2010 \$\$
 DTA CALL NO.....2

00003170
 00003180
 00003190
 00003200
 00003210
 00003220
 00003230

CRD NO....1 \$\$

00003240

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	712.7	386.3	1223.9	0.4	734.06	877.80	1041.29
2	794.5	380.6	1039.8	1.6	723.79	1141.16	1041.29
3	785.2	380.6	1049.2	1.6	717.39	1103.94	1041.29
4	777.1	380.6	1057.3	1.6	713.36	1079.66	1041.29
5	773.6	380.6	1060.7	1.6	710.87	1066.29	1041.29

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	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
***** (T H O U S A N D S O F M W) *****																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	0.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	490.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
A-96	96	986.	37.5	633.	2.0	3.	0.	2.0	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	21.5	74.	12.9	294.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	11.8	749.	14.0	48.	0.	0.	14.0	48.	33.1	437.	26.2	99.	28.3	338.	0.	0.
02	1275.	12.8	745.	16.0	64.	0.	0.	16.0	64.	34.8	466.	27.9	104.	30.1	362.	0.	0.
03	1318.	13.4	743.	18.0	82.	0.	0.	18.0	82.	35.0	493.	30.0	109.	29.3	363.	0.	0.
04	1361.	14.1	743.	20.0	102.	0.	0.	20.0	102.	35.3	517.	31.9	116.	28.7	401.	0.	0.
05	1402.	14.8	736.	53.3	155.	0.0	0.	53.3	155.	0.	510.	33.6	123.	0.	387.	0.	0.
06	1444.	15.5	729.	55.8	211.	0.0	0.	55.8	211.	0.	503.	35.0	131.	0.	373.	0.	0.
07	1497.	16.2	723.	58.5	270.	0.0	0.	58.5	270.	0.	495.	35.1	136.	0.	359.	0.	0.
08	1533.	15.2	721.	54.4	324.	0.0	0.	54.4	324.	0.	488.	35.4	139.	0.	349.	0.	0.
09	1500.	15.8	720.	56.5	381.	0.	0.	56.5	381.	0.	479.	35.7	141.	0.	338.	0.	0.
10	1636.	19.0	722.	0.	381.	0.	0.	0.0	381.	63.4	534.	36.0	142.	62.5	392.	0.1	0.
11	1693.	19.8	724.	0.	381.	0.	0.	0.0	381.	64.8	589.	36.1	143.	63.8	445.	0.1	0.
12	1750.	20.6	726.	0.	381.	0.	0.	0.0	381.	65.1	643.	39.1	147.	61.5	496.	0.1	0.
13	1807.	21.5	729.	0.	381.	0.	0.	0.	381.	65.6	696.	42.1	153.	59.1	543.	0.1	1.
14	1862.	22.3	733.	0.	381.	0.	0.	0.	381.	65.0	748.	45.0	162.	56.0	586.	0.0	1.
15	1917.	23.3	736.	0.	381.	0.	0.	0.	381.	64.5	799.	47.7	174.	53.0	625.	0.2	1.
16	1971.	24.2	740.	0.	381.	0.	0.	0.	381.	65.3	849.	50.0	185.	54.3	664.	0.2	1.
17	2026.	28.8	748.	0.	381.	0.	0.	0.	381.	62.6	896.	53.6	196.	51.1	699.	0.2	1.
18	2081.	30.0	756.	0.	381.	0.	0.	0.	381.	63.6	942.	57.3	209.	51.2	734.	0.2	1.
19	2136.	31.2	765.	0.	381.	0.	0.	0.	381.	64.6	989.	60.7	222.	51.6	767.	0.1	2.
20	2217.	32.5	774.	0.	381.	0.	0.	0.	381.	90.8	1061.	63.9	236.	77.0	925.	0.1	2.
21	2170.	0.	747.	0.	381.	0.0	0.	0.	381.	0.	1041.	66.9	249.	0.	792.	0.	2.
22	2121.	0.	710.	0.	381.	0.0	0.	0.	381.	0.	1020.	71.9	263.	0.	757.	0.	2.
23	2069.	0.	660.	0.	381.	0.0	0.	0.	381.	0.	999.	72.0	275.	0.	725.	0.	2.

24	2015.	0.	655.	0.	381.	0.0	0.	0.	381.	0.	977.	71.8	283.	0.	695.	0.	2.
25	1957.	0.	620.	0.	380.	0.0	0.	0.0	380.	0.	956.	71.7	287.	0.	668.	0.	2.
26	1897.	0.	583.	0.	378.	0.0	0.	0.	378.	0.	935.	71.7	287.	0.2	648.	0.	2.
27	1834.	0.	542.	0.	374.	0.0	0.	0.	374.	0.	916.	72.8	288.	0.	628.	0.	2.
28	1767.	0.	499.	0.	368.	0.0	0.	0.	368.	0.	899.	71.8	288.	0.1	611.	0.	2.
29	1698.	0.	453.	0.	359.	0.0	0.	0.	359.	0.	885.	70.6	287.	1.1	598.	0.	2.
30	1625.	0.	403.	0.	347.	0.0	0.	0.0	347.	0.	874.	69.7	285.	2.0	569.	0.	2.
31	1566.	0.	391.	0.	333.	0.0	0.	0.	333.	0.	841.	68.9	281.	3.9	560.	0.	2.
32	1502.	0.	378.	0.	317.	0.0	0.	0.	317.	0.	806.	69.0	278.	2.8	527.	0.	2.
33	1436.	0.	365.	0.	299.	0.0	0.	0.	299.	0.	771.	66.9	275.	3.7	496.	0.	2.
34	1366.	0.	351.	0.	279.	0.0	0.	0.	279.	0.	735.	64.6	269.	5.1	466.	0.	2.
35	1298.	0.	336.	0.	225.	0.0	0.	0.0	225.	0.	735.	62.4	263.	6.5	472.	0.	2.
36	1227.	0.	321.	0.	169.	0.0	0.	0.0	169.	0.	735.	60.4	254.	8.6	481.	0.	2.
37	1152.	0.	304.	0.	111.	0.0	0.	0.0	111.	0.	735.	60.8	248.	6.1	487.	0.	2.
38	1083.	0.	289.	0.	57.	0.0	0.	0.0	57.	0.	735.	60.2	244.	4.4	492.	0.	2.
39	1010.	0.	273.	0.	0.	0.	0.	0.	0.	0.	735.	59.3	241.	3.1	495.	0.	2.
40	928.	0.	254.	0.	0.	0.	0.	0.	0.	0.	672.	58.5	239.	2.0	433.	0.	1.
41	843.	0.	234.	0.	0.	0.	0.	0.	0.	0.	607.	57.8	236.	3.2	372.	0.	1.
42	757.	0.	214.	0.	0.	0.0	0.	0.	0.	0.	542.	54.5	230.	5.7	312.	0.	1.
43	670.	0.	192.	0.	0.	0.	0.	0.	0.	0.	476.	50.9	221.	8.5	255.	0.	1.
44	583.	0.	170.	0.	0.	0.	0.	0.	0.	0.	411.	47.2	210.	11.2	201.	0.	1.
45	495.	0.	147.	0.	0.	0.	0.	0.	0.	0.	347.	43.7	196.	13.9	151.	0.	1.
46	405.	0.	123.	0.	0.	0.0	0.	0.	0.	0.	282.	40.4	182.	14.1	99.	0.	1.
47	313.	0.	94.	0.	0.	0.	0.	0.	0.	0.	219.	36.1	167.	14.8	52.	0.	0.
48	219.	0.	64.	0.	0.	0.	0.	0.	0.	0.	155.	31.4	152.	15.8	4.	0.	0.
49	123.	0.	33.	0.	0.	0.	0.	0.	0.	0.	91.	-17.0	91.	16.7	0.	0.	0.
50	0.	0.	0.	0.	0.	0.0	0.	0.	0.	0.	0.	-50.5	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

ECONOMIC COST CASE																

YR	CAPITAL INVESTMENTS				EXPENSES											
	*****				*****											
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS		
						FUEL O&M	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES	WITH PU	W/O PU

77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	0.	33.96	33.96
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	0.	63.59	63.59
79	26.96	13.58	0.	40.54	44.86	3.87	2.30	1.31	0.	0.	0.	0.	0.	0.	92.88	92.88
80	34.26	18.11	0.	52.37	58.80	5.33	3.30	1.99	0.	0.	0.	0.	0.	0.	121.78	121.78
81	41.26	22.86	0.	64.13	72.24	6.88	4.35	2.73	0.	0.	0.	0.	0.	0.	150.32	150.32
82	48.00	27.80	0.	75.80	85.20	8.52	5.47	3.52	0.	0.	0.	0.	0.	0.	178.51	178.51
83	54.51	32.87	0.	87.38	97.66	10.24	6.64	4.38	0.	0.	0.	0.	0.	0.	206.31	206.31
84	60.82	38.06	0.	98.88	109.64	12.06	7.87	5.30	0.	0.	0.	0.	0.	0.	233.75	233.75
85	66.95	43.33	0.	110.28	121.15	13.96	9.15	6.28	0.	0.	0.	0.	0.	0.	260.83	260.83
86	72.94	48.66	0.	121.59	132.20	15.95	10.48	7.29	0.18	0.18	0.	0.	0.	0.	287.53	287.53
87	78.79	54.02	0.	132.81	142.82	18.07	11.63	8.23	0.38	0.38	0.	0.	0.	0.	313.56	313.56
88	84.53	59.39	0.	143.93	153.03	20.31	12.76	9.15	0.57	0.57	0.	0.	0.	0.	339.18	339.18
89	90.19	64.76	0.	154.94	162.83	22.68	13.90	10.07	0.76	0.76	0.	0.	0.	0.	364.42	364.42
90	95.76	70.10	0.	165.86	172.24	25.15	15.04	10.98	0.96	0.96	0.	0.	0.	0.	389.27	389.27
91	101.65	75.41	0.	177.06	181.24	27.68	16.37	11.98	1.22	1.22	0.	0.	0.	0.	414.33	414.33
92	107.62	80.54	0.	188.16	189.86	30.29	17.64	12.96	1.50	1.50	0.	0.	0.	0.	438.90	438.90
93	113.67	85.50	0.	199.17	198.13	32.95	18.89	13.93	1.78	1.78	0.	0.	0.	0.	463.07	463.07
94	119.70	90.40	0.	210.11	206.06	35.67	20.15	14.89	2.06	2.06	0.	0.	0.	0.	486.89	486.89
95	125.82	95.13	0.	220.95	213.68	38.44	21.40	15.86	2.35	2.35	0.	0.	0.	0.	510.31	510.31
96	132.02	99.67	0.	231.69	220.99	41.22	22.70	16.85	2.67	2.67	0.	0.	0.	0.	533.45	533.45
97	138.31	104.03	0.	242.34	228.04	44.02	23.96	17.83	2.99	2.99	0.	0.	0.	0.	556.19	556.19
98	144.67	108.22	0.	252.89	234.80	46.82	25.20	18.81	3.31	3.31	0.	0.	0.	0.	578.51	578.51
99	151.11	112.24	0.	263.35	241.29	49.60	26.41	19.79	3.63	3.63	0.	0.	0.	0.	600.44	600.44
00	157.62	116.09	0.	273.71	247.56	52.36	27.59	20.76	3.95	3.95	0.	0.	0.	0.	621.99	621.99
01	159.08	123.27	0.	282.35	253.32	55.19	29.16	21.92	4.27	4.27	0.	0.	0.	0.	641.93	641.93
02	160.58	130.60	0.	291.17	258.59	58.08	30.78	23.13	4.60	4.60	0.	0.	0.	0.	661.77	661.77
03	162.05	137.83	0.	299.88	263.43	61.02	32.44	24.30	4.93	4.93	0.	0.	0.	0.	681.16	681.16
04	163.51	144.96	0.	308.47	267.89	63.99	34.12	25.66	5.27	5.27	0.	0.	0.	0.	700.13	700.13
05	164.95	151.84	0.	316.80	271.91	66.96	35.71	27.04	5.60	5.60	0.	0.	0.	0.	718.42	718.42
06	166.38	158.65	0.	325.03	275.51	69.93	37.33	28.46	5.92	5.92	0.	0.	0.	0.	736.26	736.26
07	167.80	165.37	0.	333.17	278.82	72.88	38.90	29.89	6.22	6.22	0.	0.	0.	0.	753.67	753.67
08	169.05	171.27	0.	340.31	281.89	75.81	40.47	31.32	6.51	6.51	0.	0.	0.	0.	769.80	769.80
09	170.27	177.05	0.	347.32	284.74	78.69	42.05	32.77	6.79	6.78	0.	0.	0.00	0.00	785.57	785.57
10	171.66	182.61	0.01	354.29	287.40	81.59	43.87	34.17	6.79	7.04	0.00	0.	0.	0.01	801.58	801.32
11	173.02	187.90	0.03	361.03	289.90	84.48	45.74	35.55	6.80	7.32	0.00	0.00	0.00	0.01	817.24	816.70
12	174.37	193.06	0.04	367.47	292.25	87.37	47.65	36.91	6.80	7.61	0.00	0.00	0.00	0.02	832.49	831.66
13	175.68	197.89	0.05	373.62	294.48	90.25	49.60	38.24	6.80	7.93	0.01	0.00	0.00	0.02	847.34	846.20
14	176.98	202.40	0.05	379.43	296.62	93.11	51.56	39.54	6.81	8.25	0.01	0.00	0.00	0.03	861.73	860.26
15	178.25	206.63	0.07	384.95	298.67	95.94	53.54	40.78	6.81	8.59	0.01	0.00	0.00	0.03	875.69	873.89

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	17	7	08	25	3.6t	38.7	55.	42.		95	0.0.	0.0.	0.04	889.0.	887.2.	
17	180.90	214.32	0.09	395.31	302.59	101.48	57.64	43.19	6.82	9.33	0.02	0.01	0.04	902.77	900.23	
18	182.27	217.82	0.11	400.20	304.49	104.18	59.73	44.34	6.82	9.72	0.02	0.01	0.04	915.90	912.97	
19	183.62	221.17	0.11	404.91	306.36	106.82	61.86	45.45	6.82	10.13	0.03	0.01	0.05	928.78	925.44	
20	184.95	225.62	0.12	410.69	308.14	109.46	64.22	46.59	6.82	10.55	0.03	0.01	0.05	942.89	939.13	
21	184.95	225.62	0.12	410.69	309.77	111.93	65.94	47.51	6.82	11.01	0.04	0.02	0.05	950.09	945.87	
22	184.95	225.62	0.12	410.69	311.25	114.23	67.61	48.37	6.82	11.45	0.04	0.02	0.05	956.85	952.19	
23	184.95	225.62	0.12	410.69	312.59	116.39	69.21	49.16	6.82	11.89	0.04	0.02	0.05	963.17	958.08	
24	184.95	225.62	0.12	410.69	313.79	118.40	70.73	49.88	6.82	12.32	0.05	0.02	0.05	969.06	963.54	
25	184.95	225.62	0.12	410.69	314.87	120.27	72.18	50.54	6.83	12.74	0.05	0.02	0.05	974.55	968.61	
26	184.95	225.62	0.12	410.69	315.83	122.00	73.56	51.15	6.83	13.16	0.05	0.02	0.05	979.64	973.28	
27	184.95	225.62	0.12	410.69	316.66	123.61	74.90	51.71	6.83	13.57	0.06	0.02	0.05	984.40	977.63	
28	184.95	225.62	0.12	410.69	317.38	125.11	76.22	52.23	6.83	13.97	0.06	0.02	0.05	988.86	981.69	
29	184.95	225.62	0.12	410.69	318.00	126.50	77.51	52.71	6.83	14.37	0.06	0.02	0.05	993.04	985.48	
30	184.95	225.62	0.12	410.69	318.52	127.79	78.78	53.15	6.83	14.76	0.06	0.03	0.05	996.95	988.99	
31	184.95	225.62	0.12	410.69	319.01	128.96	79.88	53.53	6.83	15.15	0.07	0.03	0.05	1000.47	992.13	
32	184.95	225.62	0.12	410.69	319.46	130.02	80.87	53.86	6.84	15.52	0.07	0.03	0.05	1003.69	994.98	
33	184.95	225.62	0.12	410.69	319.89	130.98	81.79	54.16	6.84	15.87	0.07	0.03	0.05	1006.64	997.58	
34	184.95	225.62	0.12	410.69	320.29	131.85	82.61	54.42	6.84	16.20	0.07	0.03	0.05	1009.32	999.94	
35	184.95	225.62	0.12	410.69	320.67	132.63	83.39	54.64	6.84	16.51	0.07	0.03	0.05	1011.79	1002.10	
36	184.95	225.62	0.12	410.69	321.03	133.33	84.09	54.82	6.84	16.82	0.07	0.03	0.05	1014.03	1004.04	
37	184.95	225.62	0.12	410.69	321.36	133.96	84.69	54.97	6.84	17.11	0.08	0.03	0.05	1016.02	1005.74	
38	184.95	225.62	0.12	410.69	321.67	134.52	85.20	55.09	6.85	17.38	0.08	0.03	0.05	1017.81	1007.26	
39	184.95	225.62	0.12	410.69	321.96	135.03	85.63	55.19	6.85	17.64	0.08	0.03	0.05	1019.39	1008.58	
40	184.95	225.62	0.12	410.69	322.23	135.47	85.88	55.27	6.85	17.89	0.08	0.04	0.05	1020.68	1009.63	
A-99	41	184.95	225.62	0.12	410.69	322.48	135.85	86.06	55.33	6.85	18.11	0.08	0.04	0.05	1021.77	1010.50
42	184.95	225.62	0.12	410.69	322.70	136.18	86.19	55.38	6.85	18.31	0.08	0.04	0.05	1022.69	1011.23	
43	184.95	225.62	0.12	410.69	322.89	136.46	86.29	55.42	6.85	18.48	0.08	0.04	0.05	1023.47	1011.83	
44	184.95	225.62	0.12	410.69	323.06	136.69	86.35	55.45	6.85	18.63	0.08	0.04	0.05	1024.11	1012.33	
45	184.95	225.62	0.12	410.69	323.20	136.88	86.40	55.47	6.86	18.77	0.08	0.04	0.05	1024.63	1012.72	
46	184.95	225.62	0.12	410.69	323.31	137.02	86.40	55.48	6.86	18.88	0.08	0.05	0.05	1025.01	1012.99	
47	184.95	225.62	0.12	410.69	323.39	137.14	86.40	55.48	6.87	18.97	0.09	0.05	0.05	1025.28	1013.18	
48	184.95	225.62	0.12	410.69	323.43	137.22	86.40	55.48	6.87	19.04	0.09	0.05	0.05	1025.48	1013.31	
49	184.95	225.62	0.12	410.69	323.45	137.27	86.40	55.48	6.88	19.22	0.09	0.05	0.05	1025.70	1013.37	
50	184.95	225.62	0.12	410.69	323.45	137.27	86.40	55.48	7.23	19.56	0.09	0.05	0.05	1025.70	1013.37	

START OF CASE (
DTA CALL NO....15

110877
INPUT EDITS

CRD NO....1 (CASE # 7 , LWR AND HTGR-OC -- NO REPROCESSING)\$
CRD NO....2 A1 = 0.0 \$
CRD NO....3 D1 = 2051.0 , IBTOPW = 1977 \$
CRD NO....4 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 \$
CRD NO....5 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 \$
CRD NO....6 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 \$
CRD NO....7 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 \$
CRD NO....8 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 \$
CRD NO....9 UIRREC(30) = 0.475 , UIRREC(121) = 0.475 \$
CRD NO....10 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 \$
CRD NO....11 LFYUIR = 2051 , LFYPUR = 2051 \$
CRD NO....12 GCRSFI = 0.0 , CGUINV = 0.0 \$
CRD NO....13 EPNOUT(3) = 0.002 \$
CRD NO....14 CBUINV = 0.0 , CPUINV = 0.0 \$
CRD NO....15 PWRSEFI = 0.0 \$
CRD NO....16 SPECIF(1) = 1710. , 1710. \$
CRD NO....17 BUPRLD(1) = 1161111. , 1161111. \$
CRD NO....18 EFFICY(1) = .38 , .38 \$
CRD NO....19 PWRPUP(40) = 0.0 , PWRPUP(121) = 0.0 \$
CRD NO....20 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
CRD NO....21 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
CRD NO....22 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
CRD NO....23 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
CRD NO....24 EPNINT(1) = .93 , .93 \$
CRD NO....25 EPNRLD(1) = .93 , .93 \$
CRD NO....26 EPNOUT(1) = .002 , .002 \$
CRD NO....27 PWRFAB(30) = 0.7205 , PWRFAB(121) = 0.7205 \$
CRD NO....28 BWRREC(30) = 0.120 , BWRREC(121) = 0.120 \$

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CRD NO...29 RL21 = 0.70 , RL31 = 0.70 \$\$
DTA CALL NO....16 INPUT EDITS

00003540

CRD NO....1 \$\$

00003550

NACCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP. WK.
1	767.5	34.0	1584.5	0.	1292.77	1733.62	1041.29
2	1068.9	34.0	1283.1	0.	1223.23	1510.36	1041.29
3	1036.2	34.0	1315.8	0.	1181.48	1525.17	1041.29
4	1001.0	34.0	1351.1	0.	1156.75	1535.12	1041.29
5	894.4	34.0	1357.6	0.	1142.24	1541.46	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	608.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	0.	0.	16.0	171.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	0.	0.	17.0	188.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	0.	0.	18.0	206.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	0.	0.	19.0	225.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	0.	0.	20.0	244.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	0.	0.	20.5	265.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	0.	0.	21.0	286.	0.	0.
94	895.	32.6	587.	0.	0.	0.	0.	0.	0.	22.0	308.	0.	0.	22.0	308.	0.	0.
95	940.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.5	329.	0.	0.	21.5	329.	0.	0.
96	987.	37.5	633.	2.0	3.	0.	0.	2.0	3.	21.0	350.	0.	0.	21.0	350.	0.	0.
97	1036.	40.3	660.	4.0	7.	0.	0.	4.0	7.	19.5	369.	0.	0.	19.5	369.	0.	0.
98	1088.	43.3	688.	6.0	13.	0.	0.	6.0	13.	18.0	387.	0.	0.	18.0	387.	0.	0.
99	1142.	46.4	718.	9.0	22.	0.	0.	9.0	22.	15.5	401.	0.	0.	15.5	401.	0.	0.
00	1199.	49.8	753.	12.0	34.	0.	0.	12.0	34.	13.0	412.	0.	0.	13.0	412.	0.	0.
01	1241.	15.7	753.	0.	34.	0.	0.	0.	34.	45.2	454.	0.	0.	45.2	454.	0.	0.
02	1285.	17.0	753.	0.	34.	0.	0.	0.	34.	48.9	497.	0.	0.	48.9	497.	0.	0.
03	1330.	17.8	755.	0.	34.	0.	0.	0.	34.	51.2	540.	0.	0.	51.2	540.	0.	0.
04	1376.	18.7	760.	0.	34.	0.	0.	0.	34.	53.6	582.	0.	0.	53.6	582.	0.	0.
05	1424.	19.6	758.	0.	34.	0.	0.	0.	34.	56.1	632.	0.	0.	56.1	632.	0.	0.
06	1474.	20.6	756.	0.	34.	0.	0.	0.	34.	58.7	684.	0.	0.	58.7	684.	0.	0.
07	1526.	25.6	759.	0.	34.	0.	0.	0.	34.	57.6	732.	0.	0.	57.6	732.	0.	0.
08	1579.	23.9	766.	0.	34.	0.	0.	0.	34.	53.5	779.	0.	0.	53.5	779.	0.	0.
09	1634.	24.9	774.	0.	34.	0.	0.	0.	34.	55.5	826.	0.	0.	55.5	826.	0.	0.
10	1691.	30.0	787.	0.	34.	0.	0.	0.	34.	53.5	871.	0.	0.	53.5	871.	0.	0.
11	1751.	31.3	800.	0.	34.	0.	0.	0.	34.	55.6	916.	0.	0.	55.6	916.	0.	0.
12	1812.	32.5	815.	0.	34.	0.	0.	0.	34.	57.8	963.	0.	0.	57.8	963.	0.	0.
13	1875.	33.8	830.	0.	34.	0.	0.	0.	34.	60.1	1011.	0.	0.	60.1	1011.	0.	0.
14	1941.	35.2	846.	0.	34.	0.	0.	0.	34.	62.4	1061.	0.	0.	62.4	1061.	0.	0.
15	2009.	36.6	863.	0.	34.	0.	0.	0.	34.	64.9	1112.	0.	0.	64.9	1112.	0.	0.
16	2079.	38.1	881.	0.	34.	0.	0.	0.	34.	67.4	1164.	0.	0.	67.4	1164.	0.	0.
17	2152.	39.6	900.	0.	34.	0.	0.	0.	34.	70.1	1218.	0.	0.	70.1	1218.	0.	0.
18	2227.	52.1	930.	0.	34.	0.	0.	0.	34.	62.0	1263.	0.	0.	62.0	1263.	0.	0.
19	2305.	54.2	962.	0.	34.	0.	0.	0.	34.	64.5	1310.	0.	0.	64.5	1310.	0.	0.
20	2386.	56.4	994.	0.	34.	0.	0.	0.	34.	67.0	1358.	0.	0.	67.0	1358.	0.	0.
21	2339.	0.	968.	0.	34.	0.	0.	0.	34.	0.	1338.	0.	0.	0.	1338.	0.	0.
22	2290.	0.	939.	0.	34.	0.	0.	0.	34.	0.	1317.	0.	0.	0.	1317.	0.	0.
23	2229.	0.	908.	0.	34.	0.	0.	0.	34.	0.	1296.	0.	0.	0.	1296.	0.	0.

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[illegible]

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

ECONOMIC COST CASE																

YR	CAPITAL INVESTMENTS				EXPENSES											
**	*****				*****											
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS		
	*****	*****	*****	*****	*****	*****				*****				*****		
						FABRICATION	URANIUM		PU	PU	FABRICATION	PU	PU	WITH	W=O	
						RECOVERY	FEED	SEP	SALES	PURCHASES	RECOVERY	SALES	PURCHASES	PU	PU	
						O&M		WK			O&M					
77	11.45	5.18	0.	16.63	15.47	1.04	0.47	0.18	0.	0.	0.	0.	0.	33.79	33.79	
78	19.44	9.17	0.	28.61	30.43	2.14	1.49	0.71	0.	0.	0.	0.	0.	63.38	63.38	
79	26.96	13.58	0.	40.54	44.87	3.32	2.59	1.32	0.	0.	0.	0.	0.	92.64	92.64	
80	34.26	18.11	0.	52.37	58.81	4.58	3.76	2.01	0.	0.	0.	0.	0.	121.52	121.52	
81	41.26	22.86	0.	64.13	72.25	5.90	5.00	2.75	0.	0.	0.	0.	0.	150.04	150.04	
82	48.00	27.80	0.	75.80	85.22	7.31	6.31	3.56	0.	0.	0.	0.	0.	178.20	178.20	
83	54.51	32.87	0.	87.38	97.71	8.79	7.69	4.43	0.	0.	0.	0.	0.	206.01	206.01	
84	60.82	38.06	0.	98.88	109.74	10.36	9.14	5.37	0.	0.	0.	0.	0.	233.48	233.48	
85	66.95	43.33	0.	110.28	121.30	11.99	10.66	6.36	0.	0.	0.	0.	0.	260.60	260.60	
86	72.94	48.66	0.	121.59	132.41	13.70	12.24	7.40	0.	0.	0.	0.	0.	287.34	287.34	
87	78.79	54.02	0.	132.81	143.08	15.48	13.89	8.47	0.	0.	0.	0.	0.	313.72	313.72	
88	84.53	59.39	0.	143.93	153.33	17.32	15.60	9.57	0.	0.	0.	0.	0.	339.74	339.74	
89	90.19	64.76	0.	154.94	163.18	19.22	17.36	10.71	0.	0.	0.	0.	0.	365.42	365.42	
90	95.76	70.10	0.	165.86	172.65	21.18	19.19	11.87	0.	0.	0.	0.	0.	390.76	390.76	
91	101.65	75.41	0.	177.06	181.75	23.20	21.07	13.06	0.	0.	0.	0.	0.	416.13	416.13	
92	107.62	80.54	0.	188.16	190.45	25.26	22.98	14.27	0.	0.	0.	0.	0.	441.12	441.12	
93	113.67	85.50	0.	199.17	198.81	27.35	24.94	15.49	0.	0.	0.	0.	0.	465.75	465.75	
94	119.70	90.40	0.	210.11	206.82	29.47	26.94	16.72	0.	0.	0.	0.	0.	490.05	490.05	
95	125.82	95.16	0.	220.98	214.50	31.63	28.96	17.97	0.	0.	0.	0.	0.	514.03	514.03	
96	132.02	99.76	0.	231.78	221.88	33.81	31.01	19.22	0.	0.	0.	0.	0.	537.70	537.70	
97	138.31	104.23	0.	242.53	229.00	36.00	33.06	20.49	0.	0.	0.	0.	0.	561.08	561.08	
98	144.67	108.57	0.	253.24	235.85	38.21	35.10	21.76	0.	0.	0.	0.	0.	584.16	584.16	
99	151.11	112.80	0.	263.91	242.47	40.44	37.12	23.04	0.	0.	0.	0.	0.	606.98	606.98	
00	157.62	116.91	0.	274.54	248.89	42.68	39.11	24.34	0.	0.	0.	0.	0.	629.55	629.55	
01	159.57	123.60	0.	283.17	254.83	44.98	41.46	25.72	0.	0.	0.	0.	0.	650.17	650.17	
02	161.55	130.44	0.	291.99	260.33	47.34	43.90	27.14	0.	0.	0.	0.	0.	670.70	670.70	
03	163.51	137.19	0.	300.70	265.42	49.74	46.40	28.59	0.	0.	0.	0.	0.	690.85	690.85	
04	165.45	143.85	0.	309.30	270.17	52.16	48.95	30.08	0.	0.	0.	0.	0.	710.63	710.63	
05	167.37	150.44	0.	317.80	274.51	54.63	51.54	31.51	0.	0.	0.	0.	0.	729.99	729.99	
06	169.26	156.94	0.	326.21	278.45	57.14	54.23	33.00	0.	0.	0.	0.	0.	749.03	749.03	
07	171.49	162.95	0.	334.44	282.17	59.66	56.96	34.45	0.	0.	0.	0.	0.	767.68	767.68	
08	173.45	168.22	0.	341.68	285.70	62.18	59.78	35.87	0.	0.	0.	0.	0.	785.21	785.21	
09	175.38	173.39	0.	348.77	289.06	64.69	62.72	37.29	0.	0.	0.	0.	0.	802.54	802.54	
10	177.58	178.08	0.	355.66	292.29	67.19	65.74	38.69	0.	0.	0.	0.	0.	819.57	819.57	
11	179.73	182.69	0.	362.42	295.40	69.66	68.89	40.06	0.	0.	0.	0.	0.	836.43	836.43	
12	181.85	187.20	0.	369.05	298.40	72.10	72.15	41.42	0.	0.	0.	0.	0.	853.12	853.12	
13	183.93	191.62	0.	375.55	301.29	74.51	75.54	42.76	0.	0.	0.	0.	0.	869.66	869.66	
14	185.96	195.96	0.	381.92	304.09	76.90	79.05	44.09	0.	0.	0.	0.	0.	886.04	886.04	
15	187.96	200.21	0.	388.17	306.79	79.25	82.70	45.39	0.	0.	0.	0.	0.	902.31	902.31	

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16	189.92	204.38	0.	394.31	309.41	81.57	86.55	46.00	0.	0.	0.	0.	0.	918.32	918.52
17	191.85	208.47	0.	400.32	311.96	83.85	90.61	47.95	0.	0.	0.	0.	0.	934.69	934.69
18	194.24	211.89	0.	406.13	314.50	86.09	94.78	49.16	0.	0.	0.	0.	0.	950.65	950.65
19	196.58	215.23	0.	411.82	317.03	88.27	99.30	50.35	0.	0.	0.	0.	0.	966.78	966.78
20	198.89	218.52	0.	417.40	319.57	90.40	104.27	51.51	0.	0.	0.	0.	0.	983.15	983.15
21	198.89	218.52	0.	417.40	321.91	92.38	108.65	52.50	0.	0.	0.	0.	0.	992.84	992.84
22	198.89	218.52	0.	417.40	324.07	94.22	113.07	53.41	0.	0.	0.	0.	0.	1002.17	1002.17
23	198.89	218.52	0.	417.40	326.05	95.93	117.48	54.26	0.	0.	0.	0.	0.	1011.13	1011.13
24	198.89	218.52	0.	417.40	327.88	97.52	121.86	55.04	0.	0.	0.	0.	0.	1019.70	1019.70
25	198.89	218.52	0.	417.40	329.54	98.99	126.13	55.77	0.	0.	0.	0.	0.	1027.83	1027.83
26	198.89	218.52	0.	417.40	331.05	100.36	130.28	56.44	0.	0.	0.	0.	0.	1035.52	1035.52
27	198.89	218.52	0.	417.40	332.41	101.62	134.29	57.06	0.	0.	0.	0.	0.	1042.77	1042.77
28	198.89	218.52	0.	417.40	333.62	102.78	138.04	57.63	0.	0.	0.	0.	0.	1049.48	1049.48
29	198.89	218.52	0.	417.40	334.70	103.85	141.54	58.15	0.	0.	0.	0.	0.	1055.65	1055.65
30	198.89	218.52	0.	417.40	335.64	104.84	144.81	58.63	0.	0.	0.	0.	0.	1061.33	1061.33
31	198.89	218.52	0.	417.40	336.53	105.74	147.64	59.06	0.	0.	0.	0.	0.	1066.36	1066.36
32	198.89	218.52	0.	417.40	337.35	106.54	150.17	59.44	0.	0.	0.	0.	0.	1070.91	1070.91
33	198.89	218.52	0.	417.40	338.13	107.27	152.44	59.78	0.	0.	0.	0.	0.	1075.02	1075.02
34	198.89	218.52	0.	417.40	338.85	107.92	154.45	60.09	0.	0.	0.	0.	0.	1078.70	1078.70
35	198.89	218.52	0.	417.40	339.52	108.50	156.21	60.35	0.	0.	0.	0.	0.	1081.99	1081.99
36	198.89	218.52	0.	417.40	340.15	109.00	157.75	60.58	0.	0.	0.	0.	0.	1084.89	1084.89
37	198.89	218.52	0.	417.40	340.72	109.45	159.09	60.79	0.	0.	0.	0.	0.	1087.46	1087.46
38	198.89	218.52	0.	417.40	341.25	109.85	160.28	60.97	0.	0.	0.	0.	0.	1089.75	1089.75
39	198.89	218.52	0.	417.40	341.73	110.19	161.30	61.12	0.	0.	0.	0.	0.	1091.74	1091.74
40	198.89	218.52	0.	417.40	342.16	110.49	162.17	61.25	0.	0.	0.	0.	0.	1093.48	1093.48
41	198.89	218.52	0.	417.40	342.55	110.75	162.90	61.37	0.	0.	0.	0.	0.	1094.97	1094.97
42	198.89	218.52	0.	417.40	342.88	110.96	163.50	61.46	0.	0.	0.	0.	0.	1096.21	1096.21
43	198.89	218.52	0.	417.40	343.18	111.15	163.97	61.53	0.	0.	0.	0.	0.	1097.23	1097.23
44	198.89	218.52	0.	417.40	343.43	111.29	164.32	61.59	0.	0.	0.	0.	0.	1098.04	1098.04
45	198.89	218.52	0.	417.40	343.65	111.41	164.55	61.63	0.	0.	0.	0.	0.	1098.65	1098.65
46	198.89	218.52	0.	417.40	343.83	111.50	164.69	61.66	0.	0.	0.	0.	0.	1099.08	1099.08
47	198.89	218.52	0.	417.40	343.97	111.56	164.73	61.68	0.	0.	0.	0.	0.	1099.34	1099.34
48	198.89	218.52	0.	417.40	344.06	111.60	164.73	61.68	0.	0.	0.	0.	0.	1099.48	1099.48
49	198.89	218.52	0.	417.40	344.11	111.62	164.73	61.68	0.	0.	0.	0.	0.	1099.54	1099.54
50	198.89	218.52	0.	417.40	344.11	111.62	164.73	61.68	0.	0.	0.	0.	0.	1099.54	1099.54

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 8 , LWR AND HTGR-RC -- WITH REPROCESSING) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , IBTOPW = 1977 \$
 CRD NO....4 CPUINV = 0.000738 , CBUINV = 0.0 \$
 CRD NO....5 PWSFI = 0.02255 \$
 CRD NO....6 SPECIF(1) = 1710. , 1710. \$
 CRD NO....7 BUPRLD(1) = 1161111. , 1161111. \$
 CRD NO....8 EFFICY(1) = .38. , 38. \$
 CRD NO....9 PURCIN = 685.8 \$
 CRD NO....10 PURCDC = 1547.0 \$
 CRD NO....11 PURPCR(30) = 0.290 , PURPCR(121) = 0.290 \$
 CRD NO....12 PURPIS(30) = 0.01534 , PURPIS(121) = 0.01534 \$
 CRD NO....13 PWRPUP(40) = 0.204 , PWRPUP(121) = 0.204 \$
 CRD NO....14 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
 CRD NO....15 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
 CRD NO....16 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
 CRD NO....17 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
 CRD NO....18 EPNINT(1) = .93. , 93. \$
 CRD NO....19 EPNRLD(1) = .93. , 93. \$
 CRD NO....20 EPNOUT(1) = .50. , 50. \$
 CRD NO....21 PWRFAB(30) = 0.7205 , PWRFAB(121) = 0.7205 \$
 CRD NO....22 PURFAB(30) = 1.174 , PURFAB(121) = 1.174 \$
 CRD NO....23 PWRREC(30) = 0.560 , PWRREC(121) = 0.560 \$
 CRD NO....24 PURREC(30) = 0.560 , PURREC(121) = 0.560 \$
 CRD NO....25 LFYUR = 1995 , LFYPUR = 1995 \$
 CRD NO....26 RL21 = 0.70 , RL31 = 0.70 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003570
 00003580
 00003590
 00003600
 00003610
 00003620
 00003630
 00003640
 00003650
 00003660
 00003670
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 00003800
 00003805
 00003810

CRD NO....1 \$\$

00003820

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	723.7	1250.4	411.9	0.	631.99	1130.15	1041.29
2	778.1	1056.2	551.6	0.	635.10	1140.38	1041.29
3	778.1	1056.2	551.6	0.	637.16	1140.38	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.8	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	940.	34.9	609.	1.0	1.	0.1	0.	0.9	1.	21.5	329.	17.5	64.	13.8	265.	0.	0.
96	987.	37.5	633.	2.0	3.	0.1	0.	1.9	3.	21.0	350.	18.5	68.	16.6	282.	0.	0.
97	1036.	40.3	660.	4.0	7.	0.2	0.	3.8	7.	19.5	369.	21.5	74.	13.5	295.	0.	0.
98	1088.	43.3	688.	6.0	13.	0.4	1.	5.6	12.	18.0	387.	23.1	81.	11.4	306.	0.	0.
99	1142.	46.4	718.	9.0	22.	0.7	1.	8.5	21.	15.5	401.	24.3	87.	8.7	314.	0.	0.
00	1199.	49.8	753.	12.0	34.	1.3	3.	10.9	32.	13.0	412.	25.4	94.	6.1	318.	0.	0.
01	1241.	13.6	751.	0.	34.	2.1	4.	0.	30.	47.3	456.	26.4	99.	42.4	357.	0.	0.
02	1285.	14.7	749.	16.0	50.	3.2	7.	13.2	43.	35.2	486.	28.1	104.	30.2	381.	0.	0.
03	1330.	15.4	749.	18.0	68.	3.1	10.	15.6	59.	35.6	513.	31.0	111.	28.8	402.	0.	0.
04	1376.	16.2	750.	20.0	88.	4.5	13.	16.8	75.	36.1	537.	33.0	118.	28.5	419.	0.	0.
05	1424.	17.0	746.	21.3	109.	6.3	17.	17.1	92.	37.5	568.	34.6	127.	29.2	442.	0.	0.
06	1474.	17.8	742.	27.7	137.	8.3	22.	22.6	115.	33.8	595.	36.1	135.	25.8	461.	0.	0.
07	1526.	18.7	738.	29.1	166.	10.4	29.	21.8	137.	35.3	622.	38.2	142.	28.1	480.	0.	0.
08	1579.	17.5	738.	33.3	199.	12.5	38.	25.2	162.	26.6	642.	40.7	150.	18.9	492.	0.	0.
09	1634.	18.2	740.	42.4	242.	15.2	46.	33.4	195.	19.8	653.	42.7	158.	11.7	495.	0.	0.
10	1691.	19.0	741.	44.2	286.	18.4	57.	34.1	229.	20.4	664.	44.2	166.	12.3	499.	0.	0.
11	1751.	19.8	743.	46.0	332.	22.4	69.	34.0	263.	21.1	676.	45.1	173.	14.2	503.	0.	0.
12	1812.	20.6	746.	58.6	391.	26.5	82.	44.7	308.	11.1	676.	48.4	178.	5.4	497.	0.	0.
13	1875.	21.5	749.	72.4	463.	30.8	98.	56.9	365.	0.	664.	47.9	184.	0.	480.	0.	0.
14	1941.	22.3	752.	75.3	538.	36.1	116.	57.6	422.	0.	651.	48.7	188.	0.	463.	0.	0.
15	2009.	23.3	756.	78.2	616.	42.8	136.	57.8	480.	0.	637.	48.5	191.	0.	445.	0.	0.
16	2079.	24.2	760.	81.3	698.	49.9	159.	57.9	538.	0.	622.	48.0	193.	0.	429.	0.	0.
17	2152.	25.3	764.	84.5	782.	57.0	186.	58.3	596.	0.	606.	47.7	193.	0.2	413.	0.	0.
18	2227.	26.3	769.	87.8	870.	64.1	214.	59.8	656.	0.	589.	47.6	192.	1.0	397.	0.	0.
19	2305.	27.4	773.	91.3	961.	71.8	243.	62.3	719.	0.	571.	47.2	191.	1.3	380.	0.	0.
20	2386.	28.6	778.	94.9	1056.	80.1	273.	64.6	783.	0.	552.	46.2	189.	1.8	363.	0.	0.
21	2339.	0.	752.	0.	1056.	88.7	305.	0.	751.	0.	532.	45.1	186.	2.7	346.	0.	0.
22	2290.	0.	723.	0.	1056.	97.6	338.	0.	718.	0.	511.	44.0	182.	3.6	329.	0.	0.
23	2239.	0.	692.	0.	1056.	97.0	363.	0.	693.	0.	490.	43.0	178.	4.1	312.	0.	0.

24	2184.	0.	660.	0.	1056.	96.2	379.	0.	677.	0.	468.	41.9	174.	4.3	294.	0.	0.
25	2127.	0.	625.	0.	1055.	96.3	387.	0.	668.	0.	447.	40.5	169.	4.6	277.	0.	0.
26	2066.	0.	587.	0.	1053.	97.5	387.	0.1	666.	0.	426.	38.9	164.	5.1	261.	0.	0.
27	2002.	0.	547.	0.	1049.	99.4	389.	0.	660.	0.	406.	37.5	159.	5.5	247.	0.	0.
28	1935.	0.	504.	0.	1043.	97.9	391.	0.	652.	0.	388.	36.1	153.	5.7	235.	0.	0.
29	1864.	0.	457.	0.	1034.	95.8	391.	0.6	644.	0.	373.	34.8	147.	5.7	225.	0.	0.
30	1789.	0.	407.	0.	1022.	93.9	387.	3.5	635.	0.	360.	33.4	142.	5.5	218.	0.	0.
31	1728.	0.	394.	0.	1022.	92.4	380.	7.0	642.	0.	312.	32.1	136.	5.4	176.	0.	0.
32	1663.	0.	379.	0.	1006.	91.2	373.	6.7	633.	0.	277.	30.9	131.	5.2	146.	0.	0.
33	1594.	0.	364.	0.	988.	91.8	369.	4.0	619.	0.	242.	28.0	124.	6.8	117.	0.	0.
34	1521.	0.	348.	0.	968.	90.6	366.	3.3	602.	0.	206.	25.7	117.	7.7	89.	0.	0.
35	1446.	0.	331.	0.	947.	88.9	363.	3.5	584.	0.	168.	23.4	108.	8.7	60.	0.	0.
36	1366.	0.	313.	0.	919.	86.9	358.	4.3	561.	0.	134.	21.2	98.	9.7	36.	0.	0.
37	1283.	0.	294.	0.	890.	84.8	351.	7.0	539.	0.	99.	19.1	89.	8.9	10.	0.	0.
38	1206.	0.	276.	0.	857.	82.8	343.	7.8	513.	0.	72.	8.6	72.	9.4	0.	0.	0.
39	1125.	0.	258.	0.	814.	80.3	335.	8.7	480.	0.	53.	3.7	63.	2.1	0.	0.	0.
40	1042.	0.	239.	0.	770.	77.1	325.	9.8	445.	0.	32.	0.8	32.	0.	0.	0.	0.
41	955.	0.	219.	0.	724.	73.1	313.	11.7	411.	0.	11.	-2.0	11.	0.	0.	0.	0.
42	865.	0.	199.	0.	666.	69.0	299.	13.8	366.	0.	0.	-2.5	0.	0.	0.	0.	0.
43	771.	0.	177.	0.	593.	64.6	284.	15.6	309.	0.	0.	3.7	0.	0.	0.	0.	0.
44	673.	0.	155.	0.	518.	59.3	266.	17.9	252.	0.	0.	0.8	0.	0.	0.	0.	0.
45	572.	0.	132.	0.	440.	52.6	245.	20.5	194.	0.	0.	-2.0	0.	0.	0.	0.	0.
46	466.	0.	108.	0.	359.	45.5	222.	23.5	137.	0.	0.	-2.5	0.	0.	0.	0.	0.
47	356.	0.	82.	0.	274.	38.4	196.	26.2	78.	0.	0.	3.7	0.	0.	0.	0.	0.
48	242.	0.	56.	0.	186.	31.2	168.	28.0	19.	0.	0.	0.8	0.	0.	0.	0.	0.
49	123.	0.	29.	0.	95.	0.	95.	0.	0.	0.	0.	-2.0	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	0.	-2.5	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES											TOTALS	
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR							
						FUEL O&M	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES			
77	11.45	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.	0.	0.	33.95	33.95	
78	19.44	9.17	0.	28.61	30.43	2.49	1.34	0.70	0.	0.	0.	0.	0.	0.	63.56	63.56	
79	26.96	13.58	0.	40.54	44.87	3.85	2.28	1.30	0.	0.	0.	0.	0.	0.	92.84	92.84	
80	34.26	18.11	0.	52.37	58.81	5.31	3.28	1.97	0.	0.	0.	0.	0.	0.	121.73	121.73	
81	41.26	22.86	0.	64.13	72.25	6.85	4.33	2.70	0.	0.	0.	0.	0.	0.	150.26	150.26	
82	48.00	27.80	0.	75.80	85.22	8.48	5.44	3.49	0.	0.	0.	0.	0.	0.	178.43	178.43	
83	54.51	32.87	0.	87.38	97.68	10.21	6.61	4.34	0.	0.	0.	0.	0.	0.	206.22	206.22	
84	60.82	38.06	0.	98.88	109.66	12.02	7.84	5.26	0.	0.	0.	0.	0.	0.	233.65	233.65	
85	66.95	43.33	0.	110.28	121.17	13.92	9.11	6.23	0.	0.	0.	0.	0.	0.	260.72	260.72	
86	72.94	48.66	0.	121.59	132.22	15.90	10.44	7.25	0.18	0.18	0.	0.	0.	0.	287.41	287.41	
87	78.79	54.02	0.	132.81	142.84	18.02	11.58	8.18	0.38	0.38	0.	0.	0.	0.	313.43	313.43	
88	84.53	59.39	0.	143.93	153.05	20.26	12.72	9.10	0.57	0.57	0.	0.	0.	0.	339.05	339.05	
89	90.19	64.76	0.	154.94	162.86	22.62	13.85	10.01	0.76	0.76	0.	0.	0.	0.	364.28	364.28	
90	95.76	70.10	0.	165.86	172.26	25.09	14.98	10.92	0.96	0.96	0.	0.	0.	0.	389.12	389.12	
91	101.65	75.41	0.	177.06	181.27	27.62	16.31	11.92	1.22	1.22	0.	0.	0.	0.	414.17	414.17	
92	107.62	80.54	0.	188.16	189.89	30.22	17.58	12.89	1.50	1.50	0.	0.	0.	0.	438.74	438.74	
93	113.67	85.50	0.	199.17	198.16	32.88	18.83	13.86	1.78	1.78	0.	0.	0.	0.	462.90	462.90	
94	119.70	90.40	0.	210.11	206.09	35.60	20.09	14.82	2.07	2.07	0.	0.	0.	0.	486.71	486.71	
95	125.82	95.16	0.	220.98	213.70	38.36	21.33	15.78	2.36	2.36	0.	0.	0.	0.	510.16	510.16	
96	132.02	99.76	0.	231.78	221.02	41.15	22.64	16.77	2.68	2.68	0.	0.	0.	0.	533.36	533.36	
97	138.31	104.23	0.	242.53	228.07	43.95	23.91	17.76	3.02	3.02	0.	0.	0.	0.	556.22	556.22	
98	144.67	108.57	0.	253.24	234.83	46.77	25.15	18.73	3.36	3.36	0.	0.	0.	0.	578.72	578.72	
99	151.11	112.80	0.	263.91	241.32	49.58	26.38	19.71	3.72	3.72	0.	0.	0.	0.	600.89	600.89	
00	157.62	116.91	0.	274.54	247.59	52.38	27.57	20.68	4.09	4.09	0.	0.	0.	0.	622.75	622.75	
01	159.30	123.92	0.	283.22	253.38	55.26	29.18	21.76	4.49	4.49	0.	0.	0.	0.	642.80	642.80	
02	161.02	131.30	0.	292.32	258.69	58.22	30.77	22.92	4.90	4.90	0.	0.	0.	0.	662.91	662.91	
03	162.71	138.61	0.	301.32	263.58	61.23	32.36	24.09	5.33	5.33	0.	0.	0.	0.	682.59	682.59	
04	164.39	145.83	0.	310.23	268.11	64.28	33.96	25.28	5.80	5.80	0.	0.	0.	0.	701.85	701.85	
05	166.05	152.97	0.	319.03	272.22	67.38	35.55	26.47	6.29	6.29	0.	0.	0.	0.	720.65	720.65	
06	167.70	160.09	0.	327.79	275.92	70.53	37.15	27.68	6.81	6.81	0.	0.	0.	0.	739.07	739.07	
07	169.33	167.12	0.	336.45	279.35	73.72	38.68	28.86	7.36	7.36	0.	0.	0.	0.	757.05	757.05	
08	170.77	173.35	0.	344.11	282.55	76.91	40.14	30.01	7.95	7.95	0.	0.	0.	0.	773.73	773.73	
09	172.18	179.52	0.	351.70	285.53	80.10	41.56	31.18	8.56	8.56	0.	0.	0.	0.	790.08	790.08	
10	173.57	185.57	0.	359.14	288.33	83.29	42.96	32.33	9.20	9.20	0.	0.	0.	0.	806.05	806.05	
11	174.93	191.51	0.	366.44	290.93	86.46	44.35	33.46	9.87	9.87	0.	0.	0.	0.	821.65	821.65	
12	176.27	197.41	0.	373.68	293.37	89.61	45.73	34.60	10.59	10.59	0.	0.	0.	0.	836.99	836.99	
13	177.59	203.27	0.	380.87	295.65	92.72	47.15	35.76	11.35	11.35	0.	0.	0.	0.	852.14	852.14	
14	178.88	209.03	0.	387.91	297.79	95.80	48.57	36.89	12.17	12.17	0.	0.	0.	0.	866.96	866.96	
15	180.16	214.67	0.	394.82	299.79	98.84	49.99	38.00	13.04	13.04	0.	0.	0.	0.	881.44	881.44	

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16	181.41	220.19	0.	401.60	301.66	101.84	51.41	39.00	13.95	13.95	0.	0.	0.	895.00	895.59
17	182.63	225.62	0.	408.25	303.41	104.79	52.88	40.15	14.92	14.92	0.	0.	0.	909.48	909.48
18	183.84	230.93	0.	414.77	305.05	107.69	54.36	41.20	15.92	15.92	0.	0.	0.	923.08	923.08
19	185.02	236.15	0.	421.17	306.58	110.55	55.87	42.24	16.96	16.96	0.	0.	0.	936.41	936.41
20	186.19	241.26	0.	427.45	308.02	113.37	57.39	43.25	18.05	18.05	0.	0.	0.	949.48	949.48
21	186.19	241.26	0.	427.45	309.32	115.99	58.53	44.03	19.17	19.17	0.	0.	0.	955.32	955.32
22	186.19	241.26	0.	427.45	310.49	118.44	59.61	44.73	20.23	20.23	0.	0.	0.	960.72	960.72
23	186.19	241.26	0.	427.45	311.54	120.71	60.61	45.36	21.23	21.23	0.	0.	0.	965.68	965.68
24	186.19	241.26	0.	427.45	312.47	122.83	61.54	45.93	22.18	22.18	0.	0.	0.	970.22	970.22
25	186.19	241.26	0.	427.45	313.29	124.80	62.40	46.46	23.09	23.09	0.	0.	0.	974.38	974.38
26	186.19	241.26	0.	427.45	313.99	126.62	63.19	46.93	23.97	23.97	0.	0.	0.	978.18	978.18
27	186.19	241.26	0.	427.45	314.59	128.31	63.95	47.37	24.80	24.80	0.	0.	0.	981.67	981.67
28	186.19	241.26	0.	427.45	315.10	129.87	64.67	47.77	25.58	25.58	0.	0.	0.	984.86	984.86
29	186.19	241.26	0.	427.45	315.50	131.32	65.36	48.14	26.32	26.32	0.	0.	0.	987.78	987.78
30	186.19	241.26	0.	427.45	315.82	132.66	66.02	48.49	27.01	27.01	0.	0.	0.	990.44	990.44
31	186.19	241.26	0.	427.45	316.11	133.88	66.54	48.80	27.66	27.66	0.	0.	0.	992.77	992.77
32	186.19	241.26	0.	427.45	316.37	134.98	67.02	49.07	28.27	28.27	0.	0.	0.	994.88	994.88
33	186.19	241.26	0.	427.45	316.62	135.97	67.43	49.30	28.85	28.85	0.	0.	0.	996.77	996.77
34	186.19	241.26	0.	427.45	316.84	136.86	67.80	49.50	29.38	29.38	0.	0.	0.	998.46	998.46
35	186.19	241.26	0.	427.45	317.04	137.66	68.12	49.68	29.87	29.87	0.	0.	0.	999.96	999.96
36	186.19	241.26	0.	427.45	317.22	138.37	68.41	49.83	30.33	30.33	0.	0.	0.	1001.28	1001.28
37	186.19	241.26	0.	427.45	317.38	138.99	68.64	49.96	30.74	30.74	0.	0.	0.	1002.43	1002.43
38	186.19	241.26	0.	427.45	317.53	139.54	68.87	50.08	31.14	31.14	0.	0.	0.	1003.46	1003.46
39	186.19	241.26	0.	427.45	317.66	140.02	69.04	50.17	31.54	31.54	0.	0.	0.	1004.33	1004.33
40	186.19	241.26	0.	427.45	317.77	140.43	69.18	50.24	31.93	31.93	0.	0.	0.	1005.08	1005.08
41	186.19	241.26	0.	427.45	317.87	140.78	69.30	50.31	32.33	32.33	0.	0.	0.	1005.71	1005.71
42	186.19	241.26	0.	427.45	317.96	141.08	69.41	50.35	32.70	32.70	0.	0.	0.	1006.25	1006.25
43	186.19	241.26	0.	427.45	318.03	141.33	69.49	50.39	33.04	33.04	0.	0.	0.	1006.68	1006.68
44	186.19	241.26	0.	427.45	318.09	141.53	69.54	50.41	33.33	33.33	0.	0.	0.	1007.02	1007.02
45	186.19	241.26	0.	427.45	318.14	141.70	69.58	50.42	33.59	33.59	0.	0.	0.	1007.28	1007.28
46	186.19	241.26	0.	427.45	318.18	141.83	69.59	50.42	33.82	33.82	0.	0.	0.	1007.47	1007.47
47	186.19	241.26	0.	427.45	318.21	141.93	69.60	50.42	34.01	34.01	0.	0.	0.	1007.60	1007.60
48	186.19	241.26	0.	427.45	318.23	141.99	69.60	50.42	34.17	34.12	0.	0.	0.	1007.62	1007.68
49	186.19	241.26	0.	427.45	318.23	142.02	69.60	50.42	34.31	34.22	0.	0.	0.	1007.63	1007.71
50	186.19	241.26	0.	427.45	318.23	142.02	69.60	50.42	34.43	34.32	0.	0.	0.	1007.61	1007.71

8254T 03 11-08-77 20.304

DTA CALL NO.....1

INPUT EDITS

PAGE 1

CRD NO....1 (CASE # 9 , LWR AND HTGR-HC -- WITH REPROCESSING)\$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , IBTOPW = 1977 \$
 CRD NO....4 CPUINV = 0.000738 \$
 CRD NO....5 PWRSEFI = 0.02255 \$
 CRD NO....6 SPECIF(1) = 1120. , 1120. \$
 CRD NO....7 BUPRLD(1) = 1161111. , 1161111. \$
 CRD NO....8 EFFICY(1) = .38. , 38 \$
 CRD NO....9 PURCIN = 693.2 \$
 CRD NO....10 PURCDC = 861.2 \$
 CRD NO....11 PURPCR(30) = 0.1005 , PURPCR(121) = 0.1005 \$
 CRD NO....12 PURPIS(30) = 0.01115 , PURPIS(121) = 0.01115 \$
 CRD NO....13 PWRPUP(40) = 0.204 , PWRPUP(121) = 0.204 \$
 CRD NO....14 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
 CRD NO....15 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
 CRD NO....16 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
 CRD NO....17 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
 CRD NO....18 EPNINT(1) = .93. , 93 \$
 CRD NO....19 EPNRLD(1) = .93. , 93 \$
 CRD NO....20 EPNOUT(1) = .50. , 50 \$
 CRD NO....21 PWRFAB(30) = 1.01 , PWRFAB(121) = 1.01 \$
 CRD NO....22 PURFAB(30) = 1.65 , PURFAB(121) = 1.65 \$
 CRD NO....23 PWRREC(30) = 0.916 , PWRREC(121) = 0.916 \$
 CRD NO....24 PURREC(30) = 0.916 , PURREC(121) = 0.916 \$
 CRD NO....25 LFYUR = 1995 , LFYPUR = 1995 \$
 CRD NO....26 RL21 = 0.70 , RL31 = 0.70 \$\$
 DTA CALL NO.....2

INPUT EDITS

00003840
 00003850
 00003860
 00003870
 00003880
 00003890
 00003900
 00003910
 00003920
 00003930
 00003940
 00003950
 00003960
 00003970
 00003980
 00003990
 00004000
 00004010
 00004020
 00004030
 00004040
 00004050
 00004060
 00004070
 00003805
 00004080

CRD NO....1 \$\$

00004090

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	723.7	1291.4	370.9	0.	658.85	1771.97	1041.29
2	778.1	1165.0	452.9	0.	658.56	1770.49	1041.29
3	778.1	1155.0	452.9	0.	658.37	1770.49	1041.29

A-111

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	940.	34.9	609.	1.0	1.	0.1	0.	0.9	1.	21.5	329.	17.5	64.	13.8	265.	0.	0.
96	987.	37.5	633.	2.0	3.	0.1	0.	1.9	3.	21.0	350.	18.5	68.	16.6	282.	0.	0.
97	1036.	40.3	660.	4.0	7.	0.2	1.	3.8	7.	19.5	369.	21.5	74.	13.5	295.	0.	0.
98	1088.	43.3	688.	6.0	13.	0.4	1.	5.6	12.	18.0	387.	23.1	81.	11.4	308.	0.	0.
99	1142.	46.4	718.	9.0	22.	0.7	1.	8.5	21.	15.5	401.	24.3	87.	8.7	314.	0.	0.
00	1199.	49.8	753.	12.0	34.	1.3	3.	10.8	32.	13.0	412.	25.4	94.	6.1	318.	0.	0.
01	1241.	13.6	751.	14.0	48.	2.2	5.	12.0	44.	33.3	442.	26.4	99.	28.4	343.	0.	0.
02	1285.	14.7	749.	16.0	64.	3.3	8.	13.1	57.	35.2	472.	28.1	104.	30.2	367.	0.	0.
03	1330.	15.4	749.	18.0	82.	4.7	11.	14.0	71.	35.6	499.	30.3	110.	29.6	388.	0.	0.
04	1376.	16.2	750.	20.0	102.	6.2	16.	15.2	86.	36.1	523.	32.2	117.	29.3	406.	0.	0.
05	1424.	17.0	746.	26.3	128.	8.0	22.	20.5	106.	32.4	549.	33.9	125.	24.8	425.	0.	0.
06	1474.	17.8	742.	33.7	162.	10.2	29.	26.8	133.	27.8	570.	35.4	132.	20.5	438.	0.	0.
07	1526.	18.7	738.	43.5	205.	13.0	37.	35.1	168.	20.9	583.	37.3	139.	14.0	444.	0.	0.
08	1579.	17.5	738.	40.7	246.	16.7	48.	30.2	198.	19.1	595.	39.1	146.	12.2	449.	0.	0.
09	1634.	18.2	740.	52.1	298.	21.2	61.	38.9	237.	10.1	596.	40.4	152.	3.6	444.	0.	0.
10	1691.	19.0	741.	54.2	352.	25.3	76.	39.1	276.	10.4	598.	41.5	158.	4.3	440.	0.	0.
11	1751.	19.8	743.	67.1	420.	30.3	93.	49.8	326.	0.	588.	42.0	163.	0.	425.	0.	0.
12	1812.	20.6	746.	69.7	489.	35.8	113.	50.5	377.	0.	577.	42.8	167.	0.	410.	0.	0.
13	1875.	21.5	749.	72.4	562.	42.9	134.	50.7	427.	0.	565.	42.9	169.	0.	396.	0.	0.
14	1941.	22.3	752.	75.3	637.	50.7	160.	49.9	477.	0.	552.	42.8	170.	0.	381.	0.	0.
15	2009.	23.3	756.	78.2	715.	58.1	188.	50.4	528.	0.	538.	42.6	171.	0.	367.	0.	0.
16	2079.	24.2	760.	81.3	797.	66.2	218.	51.0	579.	0.	523.	42.1	170.	0.7	353.	0.	0.
17	2152.	25.3	764.	84.5	881.	74.3	249.	53.1	632.	0.	507.	41.7	169.	1.2	338.	0.	0.
18	2227.	26.3	769.	87.8	969.	83.3	282.	55.2	687.	0.	490.	41.0	167.	1.8	323.	0.	0.
19	2305.	27.4	773.	91.3	1060.	92.6	316.	56.9	744.	0.	472.	40.1	165.	2.5	307.	0.	0.
20	2386.	28.6	778.	94.9	1155.	102.1	352.	59.0	803.	0.	453.	39.2	162.	2.9	291.	0.	0.
21	2339.	0.	752.	0.	1155.	111.7	390.	0.	765.	0.	433.	38.1	158.	3.6	275.	0.	0.
22	2290.	0.	723.	0.	1155.	121.5	428.	0.	727.	0.	412.	37.0	154.	3.9	258.	0.	0.
23	2239.	0.	692.	0.	1155.	121.9	457.	0.	698.	0.	391.	35.8	150.	4.3	241.	0.	0.

24	2184.	0.	660.	0.	1155.	122.3	477.	0.	678.	0.	369.	34.4	145.	4.7	224.	0.	0.
25	2127.	0.	625.	0.	1154.	123.8	490.	0.	664.	0.	348.	33.1	140.	5.0	208.	0.	0.
26	2066.	0.	587.	0.	1152.	126.3	494.	0.	658.	0.	327.	31.6	135.	5.4	192.	0.	0.
27	2002.	0.	547.	0.	1148.	129.7	502.	0.	646.	0.	307.	30.2	129.	5.6	178.	0.	0.
28	1935.	0.	504.	0.	1142.	126.1	506.	0.	636.	0.	289.	28.7	123.	5.8	166.	0.	0.
29	1864.	0.	457.	0.	1133.	121.9	504.	2.0	629.	0.	274.	27.2	118.	5.8	156.	0.	0.
30	1789.	0.	407.	0.	1121.	118.6	496.	7.8	625.	0.	261.	25.9	112.	5.7	149.	0.	0.
31	1728.	0.	394.	0.	1107.	116.3	483.	13.5	624.	0.	228.	24.6	106.	5.5	121.	0.	0.
32	1663.	0.	379.	0.	1091.	114.8	471.	11.3	620.	0.	192.	23.5	101.	5.2	91.	0.	0.
33	1594.	0.	364.	0.	1073.	114.2	464.	7.7	609.	0.	157.	21.2	95.	6.0	62.	0.	0.
34	1521.	0.	348.	0.	1053.	112.8	458.	5.8	595.	0.	121.	18.9	88.	7.0	33.	0.	0.
35	1446.	0.	331.	0.	1027.	111.0	453.	5.3	574.	0.	88.	16.6	80.	8.0	8.	0.	0.
36	1368.	0.	313.	0.	993.	109.0	447.	5.8	546.	0.	61.	3.8	61.	9.1	0.	0.	0.
37	1283.	0.	294.	0.	950.	106.6	439.	7.6	510.	0.	40.	0.3	40.	0.	0.	0.	0.
38	1206.	0.	276.	0.	909.	103.8	430.	9.0	478.	0.	20.	-0.2	20.	0.	0.	0.	0.
39	1125.	0.	258.	0.	857.	99.9	419.	11.1	437.	0.	10.	6.5	10.	0.	0.	0.	0.
40	1042.	0.	239.	0.	803.	95.9	406.	13.1	396.	0.	0.	-6.5	0.	0.	0.	0.	0.
41	955.	0.	219.	0.	735.	90.7	390.	15.9	345.	0.	0.	0.3	0.	0.	0.	0.	0.
42	865.	0.	199.	0.	666.	88.0	371.	18.8	294.	0.	0.	-0.2	0.	0.	0.	0.	0.
43	771.	0.	177.	0.	593.	77.7	349.	22.2	244.	0.	0.	6.5	0.	0.	0.	0.	0.
44	673.	0.	155.	0.	518.	69.8	323.	26.1	195.	0.	0.	-6.5	0.	0.	0.	0.	0.
45	572.	0.	132.	0.	440.	62.3	295.	28.4	145.	0.	0.	0.3	0.	0.	0.	0.	0.
46	466.	0.	108.	0.	359.	54.1	264.	30.8	95.	0.	0.	-0.2	0.	0.	0.	0.	0.
47	356.	0.	82.	0.	274.	45.9	232.	31.7	42.	0.	0.	6.5	0.	0.	0.	0.	0.
48	242.	0.	56.	0.	186.	23.8	186.	0.	0.	0.	0.	-6.5	0.	0.	0.	0.	0.
49	123.	0.	29.	0.	95.	0.	95.	0.	0.	0.	0.	0.3	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	0.	-0.2	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

ECONOMIC COST CASE																		
YR	CAPITAL INVESTMENTS				EXPENSES												TOTALS	
	FOSSIL	HTOR LWR	FBR	TOTAL	FOSSIL	LWR				FBR				WITH PU	W/O PU			
						FUEL O&M	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES			PU PURCHASES		
77	11.45	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.	0.	0.	33.95	33.95		
78	19.44	9.17	0.	28.61	30.43	2.49	1.34	0.70	0.	0.	0.	0.	0.	0.	63.56	63.56		
79	26.96	13.58	0.	40.54	44.87	3.86	2.28	1.30	0.	0.	0.	0.	0.	0.	92.84	92.84		
80	34.26	18.11	0.	52.37	58.81	5.31	3.28	1.97	0.	0.	0.	0.	0.	0.	121.73	121.73		
81	41.26	22.86	0.	64.13	72.25	6.86	4.33	2.70	0.	0.	0.	0.	0.	0.	150.26	150.26		
82	48.00	27.80	0.	75.80	85.22	8.49	5.44	3.49	0.	0.	0.	0.	0.	0.	178.44	178.44		
83	54.51	32.87	0.	87.38	97.68	10.21	6.61	4.34	0.	0.	0.	0.	0.	0.	206.23	206.23		
84	60.82	38.06	0.	98.88	109.66	12.03	7.84	5.26	0.	0.	0.	0.	0.	0.	233.66	233.66		
85	66.95	43.33	0.	110.28	121.17	13.93	9.11	6.23	0.	0.	0.	0.	0.	0.	260.72	260.72		
86	72.94	48.66	0.	121.59	132.22	15.91	10.44	7.25	0.18	0.18	0.	0.	0.	0.	287.42	287.42		
87	78.79	54.02	0.	132.81	142.84	18.03	11.58	8.18	0.38	0.38	0.	0.	0.	0.	313.44	313.44		
88	84.53	59.39	0.	143.93	153.05	20.27	12.72	9.10	0.57	0.57	0.	0.	0.	0.	339.06	339.06		
89	90.19	64.76	0.	154.94	162.86	22.63	13.85	10.01	0.76	0.76	0.	0.	0.	0.	364.29	364.29		
90	95.76	70.10	0.	165.86	172.26	25.10	14.98	10.92	0.96	0.96	0.	0.	0.	0.	389.13	389.13		
91	101.65	75.41	0.	177.06	181.27	27.63	16.31	11.92	1.22	1.22	0.	0.	0.	0.	414.19	414.19		
92	107.62	80.54	0.	188.16	189.89	30.23	17.58	12.89	1.50	1.50	0.	0.	0.	0.	438.75	438.75		
93	113.67	85.50	0.	199.17	198.16	32.89	18.83	13.86	1.78	1.78	0.	0.	0.	0.	462.91	462.91		
94	119.70	90.40	0.	210.11	206.09	35.61	20.09	14.82	2.07	2.07	0.	0.	0.	0.	486.72	486.72		
95	125.82	95.16	0.	220.98	213.70	38.38	21.34	15.79	2.36	2.36	0.	0.	0.	0.	510.19	510.19		
96	132.02	99.76	0.	231.78	221.02	41.17	22.66	16.79	2.69	2.69	0.	0.	0.	0.	533.42	533.42		
97	138.31	104.23	0.	242.53	228.07	43.98	23.96	17.80	3.03	3.03	0.	0.	0.	0.	556.34	556.34		
98	144.67	108.57	0.	253.24	234.83	46.81	25.24	18.81	3.38	3.38	0.	0.	0.	0.	578.93	578.93		
99	151.11	112.80	0.	263.91	241.32	49.64	26.52	19.84	3.76	3.76	0.	0.	0.	0.	601.23	601.23		
00	157.62	116.91	0.	274.54	247.59	52.47	27.78	20.87	4.16	4.16	0.	0.	0.	0.	623.25	623.25		
01	159.30	124.13	0.	283.43	253.38	55.39	29.38	22.05	4.60	4.60	0.	0.	0.	0.	643.63	643.63		
02	161.02	131.51	0.	292.53	258.69	58.39	31.03	23.27	5.09	5.09	0.	0.	0.	0.	663.90	663.90		
03	162.71	138.81	0.	301.53	263.58	61.46	32.68	24.51	5.62	5.62	0.	0.	0.	0.	683.76	683.76		
04	164.39	146.04	0.	310.43	268.11	64.57	34.34	25.75	6.18	6.18	0.	0.	0.	0.	703.21	703.21		
05	166.05	153.24	0.	319.29	272.22	67.76	36.00	27.02	6.80	6.80	0.	0.	0.	0.	722.29	722.29		
06	167.70	160.42	0.	328.12	275.92	71.00	37.68	28.34	7.47	7.47	0.	0.	0.	0.	741.06	741.06		
07	169.33	167.60	0.	336.93	279.35	74.30	39.29	29.67	8.21	8.21	0.	0.	0.	0.	759.54	759.54		
08	170.77	173.90	0.	344.67	282.55	77.61	40.82	30.94	9.02	9.02	0.	0.	0.	0.	776.59	776.59		
09	172.18	180.17	0.	352.35	285.53	80.95	42.32	32.23	9.89	9.89	0.	0.	0.	0.	793.38	793.38		
10	173.57	186.31	0.	359.88	288.33	84.29	43.79	33.49	10.83	10.83	0.	0.	0.	0.	809.77	809.77		
11	174.93	192.42	0.	367.35	290.93	87.63	45.32	34.79	11.83	11.83	0.	0.	0.	0.	826.02	826.02		
12	176.27	198.40	0.	374.68	293.37	90.97	46.85	36.07	12.94	12.94	0.	0.	0.	0.	841.93	841.93		
13	177.59	204.27	0.	381.86	295.65	94.30	48.37	37.31	14.15	14.15	0.	0.	0.	0.	857.49	857.49		
14	178.88	210.02	0.	388.91	297.79	97.61	49.89	38.51	15.44	15.44	0.	0.	0.	0.	872.70	872.70		
15	180.16	215.66	0.	395.82	299.79	100.90	51.41	39.68	16.81	16.81	0.	0.	0.	0.	887.59	887.59		

16	181.41	221.19	0.	402.60	301.66	104.16	52.93	40.00	18.26	18.26	0.	0.	0.	902.00	902.16
17	182.63	226.61	0.	409.24	303.41	107.40	54.52	41.95	19.80	19.80	0.	0.	0.	916.52	916.52
18	183.84	231.93	0.	415.77	305.08	110.61	56.13	43.06	21.41	21.41	0.	0.	0.	930.61	930.61
19	185.02	237.14	0.	422.17	306.58	113.78	57.76	44.15	23.10	23.10	0.	0.	0.	944.44	944.44
20	186.19	242.25	0.	428.45	308.02	116.92	59.40	45.22	24.85	24.85	0.	0.	0.	958.01	958.01
21	186.19	242.25	0.	428.45	309.32	119.85	60.51	45.96	26.67	26.67	0.	0.	0.	964.09	964.09
22	186.19	242.25	0.	428.45	310.49	122.60	61.55	46.63	28.41	28.41	0.	0.	0.	969.71	969.71
23	186.19	242.25	0.	428.45	311.54	125.16	62.49	47.22	30.05	30.05	0.	0.	0.	974.86	974.86
24	186.19	242.25	0.	428.45	312.47	127.54	63.36	47.76	31.63	31.63	0.	0.	0.	979.57	979.57
25	186.19	242.25	0.	428.45	313.29	129.76	64.17	48.24	33.17	33.17	0.	0.	0.	983.90	983.90
26	186.19	242.25	0.	428.45	313.99	131.82	64.90	48.67	34.66	34.66	0.	0.	0.	987.83	987.83
27	186.19	242.25	0.	428.45	314.59	133.74	65.59	49.07	36.05	36.05	0.	0.	0.	991.44	991.44
28	186.19	242.25	0.	428.45	315.10	135.52	66.23	49.43	37.34	37.34	0.	0.	0.	994.72	994.72
29	186.19	242.25	0.	428.45	315.50	137.16	66.84	49.76	38.54	38.54	0.	0.	0.	997.71	997.71
30	186.19	242.25	0.	428.45	315.82	138.69	67.45	50.08	39.67	39.67	0.	0.	0.	1000.48	1000.48
31	186.19	242.25	0.	428.45	316.11	140.08	67.95	50.36	40.74	40.74	0.	0.	0.	1002.95	1002.95
32	186.19	242.25	0.	428.45	316.37	141.34	68.39	50.61	41.74	41.74	0.	0.	0.	1005.16	1005.16
33	186.19	242.25	0.	428.45	316.62	142.48	68.76	50.82	42.69	42.69	0.	0.	0.	1007.12	1007.12
34	186.19	242.25	0.	428.45	316.84	143.51	69.07	50.99	43.57	43.57	0.	0.	0.	1008.86	1008.86
35	186.19	242.25	0.	428.45	317.04	144.44	69.33	51.14	44.38	44.38	0.	0.	0.	1010.40	1010.40
36	186.19	242.25	0.	428.45	317.22	145.26	69.55	51.26	45.17	45.17	0.	0.	0.	1011.73	1011.73
37	186.19	242.25	0.	428.45	317.38	145.98	69.69	51.34	45.94	45.94	0.	0.	0.	1012.85	1012.85
38	186.19	242.25	0.	428.45	317.53	146.62	69.85	51.42	46.68	46.68	0.	0.	0.	1013.86	1013.86
39	186.19	242.25	0.	428.45	317.66	147.18	69.98	51.48	47.36	47.36	0.	0.	0.	1014.74	1014.74
40	186.19	242.25	0.	428.45	317.77	147.66	70.09	51.53	48.01	48.01	0.	0.	0.	1015.50	1015.50
41	186.19	242.25	0.	428.45	317.87	148.09	70.17	51.56	48.59	48.59	0.	0.	0.	1016.13	1016.13
42	186.19	242.25	0.	428.45	317.96	148.45	70.23	51.58	49.11	49.11	0.	0.	0.	1016.65	1016.65
43	186.19	242.25	0.	428.45	318.03	148.75	70.28	51.58	49.55	49.55	0.	0.	0.	1017.09	1017.09
44	186.19	242.25	0.	428.45	318.09	149.01	70.32	51.58	49.94	49.94	0.	0.	0.	1017.44	1017.44
45	186.19	242.25	0.	428.45	318.14	149.21	70.35	51.58	50.28	50.28	0.	0.	0.	1017.73	1017.73
46	186.19	242.25	0.	428.45	318.18	149.37	70.36	51.58	50.57	50.57	0.	0.	0.	1017.94	1017.94
47	186.19	242.25	0.	428.45	318.21	149.49	70.36	51.58	50.79	50.79	0.	0.	0.	1018.03	1018.08
48	186.19	242.25	0.	428.45	318.23	149.56	70.36	51.58	50.98	50.84	0.	0.	0.	1018.03	1018.18
49	186.19	242.25	0.	428.45	318.23	149.60	70.36	51.58	51.13	50.93	0.	0.	0.	1018.02	1018.22
50	186.19	242.25	0.	428.45	318.23	149.60	70.36	51.58	51.26	51.02	0.	0.	0.	1017.97	1018.22

CRD NO....1 (CASE #10 , LWR AND PBR-78 WITH REPROCESSING)\$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1=2051. , IBTOPW=1977 \$
 CRD NO....4 CPUINV=0.02758 \$
 CRD NO....5 PWRSF1=0.08247 \$
 CRD NO....6 SPECIF(1)=2513. ,2513. \$
 CRD NO....7 BUPRLD(1)=918000.0,918000. \$
 CRD NO....8 PURCIN=274.0 \$
 CRD NO....9 PURCDC=344.0 \$
 CRD NO....10 PURPIS(30)=0.03803,PURPIS(121)=0.03803 \$
 CRD NO....11 PURPCR(30)=0.233 ,PURPCR(121)=0.233 \$
 CRD NO....12 PWRPUP(40)=0.964,PWRPUP(121)=0.964 \$
 CRD NO....13 PWRDEC(30)=0.02674,PWRDEC(121)=0.02674 \$
 CRD NO....14 PWRIEC(30)=0.01151,PWRIEC(121)=0.01151 \$
 CRD NO....15 PWRDUC(30)=0.05305,PWRDUC(121)=0.05305 \$
 CRD NO....16 PWRIUC(30)=0.03343,PWRIUC(121)=0.03343 \$
 CRD NO....17 EPNINT(1)=0.93,0.93 \$
 CRD NO....18 EPNRLD(1)=0.93,0.93 \$
 CRD NO....19 EPNOUT(1)=0.002,0.002 \$
 CRD NO....20 PWRFAB(30)=0.835,PWRFAB(121)=0.835 \$
 CRD NO....21 PURFAB(30)=1.828,PURFAB(121)=1.828 \$
 CRD NO....22 PWRREC(30)=1.566,PWRREC(121)=1.566 \$
 CRD NO....23 PURREC(30)=1.398,PURREC(121)=1.398 \$
 CRD NO....24 LFYUR=1995 , LFYPUR=1995 \$\$
 DTA CALL NO.....8 INPUT EDITS

00004092
 00004093
 00004094
 00004095
 00004096
 00004097
 00004098
 00004099
 00004100
 00004101
 00004102
 00004103
 00004104
 00004105
 00004106
 00004107
 00004108
 00004109
 00004110
 00004111
 00004112
 00004113
 00004114
 00004115

CRD NO....1 \$\$

00004116

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	697.0	1182.6	337.5	0.	620.66	566.97	1041.29
2	741.3	1152.8	327.3	0.	617.78	561.88	1041.29
3	738.5	1155.2	327.3	0.	615.99	562.11	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.3	0.	0.7	1.	21.4	329.	17.5	64.	13.6	266.	0.	0.
96	986.	37.5	633.	2.0	3.	0.3	1.	1.7	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.4	1.	3.6	6.	18.9	368.	21.5	74.	12.9	294.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.8	2.	5.2	11.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	718.	9.0	22.	1.3	3.	8.0	19.	14.2	398.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	753.	12.0	34.	2.7	5.	9.6	29.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	13.6	751.	12.3	47.	4.3	9.	8.3	37.	33.3	437.	26.2	99.	28.6	338.	0.	0.
02	1276.	14.7	749.	14.0	61.	6.5	15.	8.3	46.	35.2	467.	27.9	104.	30.4	363.	0.	0.
03	1319.	15.4	749.	15.8	76.	8.6	22.	8.5	54.	35.6	494.	30.0	109.	29.8	384.	0.	0.
04	1363.	16.2	750.	17.5	94.	10.7	30.	9.4	64.	36.1	518.	32.0	116.	29.4	402.	0.	0.
05	1404.	17.0	746.	51.4	145.	13.4	39.	42.3	106.	0.	512.	33.6	123.	0.	389.	0.	0.
06	1446.	17.8	742.	53.8	199.	16.7	49.	43.6	149.	0.	505.	35.1	131.	0.	375.	0.	0.
07	1489.	18.7	738.	56.4	255.	27.2	68.	37.7	187.	0.	497.	35.2	136.	0.	361.	0.	0.
08	1535.	15.2	736.	64.4	309.	37.8	95.	27.3	214.	0.	490.	35.5	139.	0.	350.	0.	0.
09	1502.	15.8	735.	56.5	366.	47.2	129.	22.7	237.	0.	481.	35.8	142.	0.	340.	0.	0.
10	1631.	16.5	734.	58.7	425.	54.4	167.	21.1	258.	0.	472.	36.1	143.	0.	330.	0.	0.
11	1681.	17.1	733.	61.0	486.	60.8	200.	27.5	285.	0.	462.	36.3	144.	0.	319.	0.	0.
12	1734.	17.8	733.	63.4	549.	72.3	235.	28.9	314.	0.	451.	35.8	144.	0.	307.	0.	0.
13	1788.	18.6	733.	65.9	615.	85.4	273.	27.7	342.	0.	439.	35.4	143.	0.4	296.	0.	0.
14	1843.	19.3	734.	68.5	684.	97.9	316.	25.0	367.	0.	426.	34.9	142.	1.2	284.	0.	0.
15	1901.	20.1	734.	71.2	755.	108.3	364.	23.6	391.	0.	412.	34.4	140.	1.8	272.	0.	0.
16	1961.	21.0	735.	74.0	829.	117.4	409.	28.9	420.	0.	397.	33.9	139.	1.9	259.	0.	0.
17	2023.	21.8	736.	76.9	906.	126.0	450.	36.4	456.	0.	381.	33.0	136.	2.4	245.	0.	0.
18	2087.	22.7	737.	80.0	986.	136.7	488.	41.2	497.	0.	364.	32.1	133.	2.8	231.	0.	0.
19	2153.	23.7	738.	83.1	1069.	149.3	529.	42.2	539.	0.	346.	31.1	130.	3.3	216.	0.	0.
20	2221.	24.7	739.	86.5	1155.	162.6	575.	41.3	581.	0.	327.	30.1	126.	3.8	201.	0.	0.
21	2174.	0.	712.	0.	1155.	175.7	624.	0.	531.	0.	307.	29.0	122.	4.0	185.	0.	0.
22	2125.	0.	683.	0.	1155.	188.4	676.	0.	479.	0.	287.	27.7	118.	4.3	169.	0.	0.
23	2074.	0.	653.	0.	1155.	182.8	710.	0.	446.	0.	266.	26.4	113.	4.7	153.	0.	0.

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24	2019.	0.	620.	0.	1155.	178.0	725.	0.	430.	0.	244.	25.0	108.	5.0	136.	0.	0.
25	1962.	0.	585.	0.	1154.	177.8	727.	0.	427.	0.	222.	23.6	103.	5.4	120.	0.	0.
26	1901.	0.	548.	0.	1152.	181.7	720.	6.8	432.	0.	202.	22.2	97.	5.6	104.	0.	0.
27	1838.	0.	507.	0.	1148.	188.0	725.	0.	423.	0.	183.	20.7	91.	5.7	91.	0.	0.
28	1772.	0.	464.	0.	1142.	180.6	728.	0.	414.	0.	166.	19.2	86.	5.9	80.	0.	0.
29	1702.	0.	418.	0.	1133.	170.0	720.	7.9	413.	0.	151.	17.7	80.	5.9	72.	0.	0.
30	1629.	0.	368.	0.	1121.	162.5	701.	19.2	420.	0.	140.	16.4	74.	5.7	66.	0.	0.
31	1570.	0.	354.	0.	1109.	159.7	673.	28.3	436.	0.	107.	15.2	69.	5.4	38.	0.	0.
32	1506.	0.	340.	0.	1095.	160.7	653.	19.9	442.	0.	72.	14.2	64.	5.0	8.	0.	0.
33	1439.	0.	324.	0.	1079.	164.9	648.	5.1	431.	0.	36.	-9.7	36.	5.9	0.	0.	0.
34	1370.	0.	308.	0.	1062.	164.6	650.	0.	412.	0.	0.	-19.6	0.	0.	0.	0.	0.
35	1301.	0.	291.	0.	1010.	160.9	651.	0.	359.	0.	0.	15.2	0.	0.	0.	0.	0.
36	1230.	0.	273.	0.	957.	156.5	647.	4.1	310.	0.	0.	14.2	0.	0.	0.	0.	0.
37	1155.	0.	254.	0.	900.	146.6	629.	18.2	272.	0.	0.	-9.7	0.	0.	0.	0.	0.
38	1085.	0.	239.	0.	846.	138.9	603.	25.7	243.	0.	0.	-19.6	0.	0.	0.	0.	0.
39	1013.	0.	223.	0.	789.	131.8	574.	29.1	215.	0.	0.	15.2	0.	0.	0.	0.	0.
40	937.	0.	207.	0.	730.	123.9	541.	32.6	189.	0.	0.	14.2	0.	0.	0.	0.	0.
41	859.	0.	190.	0.	669.	114.8	509.	31.8	160.	0.	0.	-9.7	0.	0.	0.	0.	0.
42	778.	0.	172.	0.	606.	100.5	471.	38.4	135.	0.	0.	-19.6	0.	0.	0.	0.	0.
43	693.	0.	153.	0.	540.	85.9	425.	45.9	115.	0.	0.	15.2	0.	0.	0.	0.	0.
44	606.	0.	134.	0.	472.	74.2	375.	49.7	96.	0.	0.	14.2	0.	0.	0.	0.	0.
45	514.	0.	114.	0.	400.	65.2	326.	49.7	75.	0.	0.	-9.7	0.	0.	0.	0.	0.
46	419.	0.	93.	0.	326.	56.6	282.	43.9	45.	0.	0.	-19.6	0.	0.	0.	0.	0.
47	321.	0.	71.	0.	250.	47.6	244.	38.3	6.	0.	0.	15.2	0.	0.	0.	0.	0.
48	218.	0.	48.	0.	170.	0.2	170.	0.	0.	0.	0.	14.2	0.	0.	0.	0.	0.
49	111.	0.	25.	0.	86.	0.	86.	0.	0.	0.	0.	-9.7	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-19.6	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES												TOTALS	
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR						FBR						
						FUEL	FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU					
														O&M	RECOVERY	FEED	SEP	WK
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
77	11.45	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.	0.	0.	0.	33.96	33.96	
78	19.44	9.17	0.	28.61	30.42	2.49	1.35	0.70	0.	0.	0.	0.	0.	0.	0.	63.57	63.57	
79	26.96	13.58	0.	40.54	44.86	3.86	2.29	1.30	0.	0.	0.	0.	0.	0.	0.	92.85	92.85	
80	34.26	18.11	0.	52.37	58.80	5.32	3.29	1.98	0.	0.	0.	0.	0.	0.	0.	121.75	121.75	
81	41.26	22.86	0.	64.13	72.24	6.86	4.34	2.71	0.	0.	0.	0.	0.	0.	0.	150.28	150.28	
82	48.00	27.80	0.	75.80	85.20	8.50	5.45	3.51	0.	0.	0.	0.	0.	0.	0.	178.46	178.46	
83	54.61	32.87	0.	87.38	97.66	10.22	6.63	4.36	0.	0.	0.	0.	0.	0.	0.	206.26	206.26	
84	60.82	38.06	0.	98.88	109.64	12.04	7.85	5.28	0.	0.	0.	0.	0.	0.	0.	233.69	233.69	
85	66.95	43.33	0.	110.28	121.15	13.94	9.13	6.25	0.	0.	0.	0.	0.	0.	0.	260.76	260.76	
86	72.94	48.66	0.	121.59	132.20	15.93	10.46	7.27	0.18	0.18	0.	0.	0.	0.	0.	287.46	287.46	
87	78.79	54.02	0.	132.81	142.82	18.04	11.60	8.20	0.38	0.38	0.	0.	0.	0.	0.	313.48	313.48	
88	84.53	59.39	0.	143.93	153.03	20.29	12.74	9.12	0.57	0.57	0.	0.	0.	0.	0.	339.10	339.10	
89	90.19	64.76	0.	154.94	162.83	22.65	13.87	10.04	0.76	0.76	0.	0.	0.	0.	0.	364.34	364.34	
90	95.76	70.10	0.	165.86	172.24	25.12	15.01	10.95	0.96	0.96	0.	0.	0.	0.	0.	389.18	389.18	
91	101.65	75.41	0.	177.06	181.24	27.65	16.34	11.95	1.22	1.22	0.	0.	0.	0.	0.	414.24	414.24	
92	107.62	80.54	0.	188.16	189.86	30.25	17.60	12.92	1.50	1.50	0.	0.	0.	0.	0.	438.80	438.80	
93	113.67	85.50	0.	199.17	198.13	32.91	18.86	13.89	1.78	1.78	0.	0.	0.	0.	0.	462.97	462.97	
94	119.70	90.40	0.	210.11	206.06	35.63	20.12	14.86	2.08	2.08	0.	0.	0.	0.	0.	486.78	486.78	
95	125.82	95.13	0.	220.95	213.68	38.40	21.35	15.81	2.37	2.37	0.	0.	0.	0.	0.	510.19	510.19	
96	132.02	99.67	0.	231.69	220.99	41.20	22.64	16.79	2.71	2.71	0.	0.	0.	0.	0.	533.31	533.31	
97	138.31	104.03	0.	242.34	220.04	44.02	23.89	17.76	3.06	3.06	0.	0.	0.	0.	0.	556.04	556.04	
98	144.67	108.22	0.	252.89	234.80	46.86	25.10	18.71	3.43	3.43	0.	0.	0.	0.	0.	578.37	578.37	
99	151.11	112.24	0.	263.35	241.29	49.72	26.29	19.67	3.84	3.84	0.	0.	0.	0.	0.	600.31	600.31	
00	157.62	116.09	0.	273.71	247.56	52.58	27.43	20.61	4.29	4.29	0.	0.	0.	0.	0.	621.89	621.89	
01	159.30	123.01	0.	282.32	253.34	55.54	28.93	21.71	4.80	4.80	0.	0.	0.	0.	0.	641.84	641.84	
02	161.02	130.09	0.	291.11	258.65	58.59	30.48	22.85	5.37	5.37	0.	0.	0.	0.	0.	661.68	661.68	
03	162.71	137.07	0.	299.78	263.55	61.72	32.04	24.00	5.98	5.98	0.	0.	0.	0.	0.	681.09	681.09	
04	164.39	143.95	0.	308.34	268.08	64.91	33.59	25.17	6.64	6.64	0.	0.	0.	0.	0.	700.10	700.10	
05	166.05	150.58	0.	316.64	272.19	68.21	34.97	26.35	7.35	7.35	0.	0.	0.	0.	0.	718.36	718.36	
06	167.70	157.13	0.	324.83	275.89	71.59	36.39	27.60	8.25	8.25	0.	0.	0.	0.	0.	736.30	736.30	
07	169.33	163.61	0.	332.94	279.32	75.06	37.73	28.82	9.33	9.33	0.	0.	0.	0.	0.	753.86	753.86	
08	170.58	169.51	0.	340.09	282.50	78.58	39.04	30.03	10.54	10.54	0.	0.	0.	0.	0.	770.23	770.23	
09	171.80	175.29	0.	347.09	285.45	82.16	40.30	31.20	11.82	11.82	0.	0.	0.	0.	0.	786.21	786.21	
10	173.01	180.96	0.	353.96	288.19	85.77	41.53	32.35	13.14	13.14	0.	0.	0.	0.	0.	801.81	801.81	
11	174.19	186.51	0.	360.70	290.74	89.42	42.75	33.49	14.56	14.56	0.	0.	0.	0.	0.	817.10	817.10	
12	175.35	191.96	0.	367.31	293.10	93.08	43.97	34.62	16.10	16.10	0.	0.	0.	0.	0.	832.07	832.07	
13	176.49	197.30	0.	373.78	295.29	96.76	45.19	35.74	17.75	17.75	0.	0.	0.	0.	0.	846.76	846.76	
14	177.61	202.53	0.	380.14	297.32	100.44	46.42	36.83	19.47	19.47	0.	0.	0.	0.	0.	861.16	861.16	
15	178.71	207.66	0.	386.37	299.21	104.13	47.65	37.89	21.23	21.23	0.	0.	0.	0.	0.	875.25	875.25	

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16	179.79	212.69	0.	392.48	300.97	107.81	48.90	38.90	23.03	23.03	0.	0.	0.	889.10	889.10
17	180.85	217.63	0.	398.48	302.89	111.48	50.23	40.00	24.89	24.89	0.	0.	0.	902.78	902.78
18	181.89	222.47	0.	404.36	304.09	115.13	51.61	41.07	26.83	26.83	0.	0.	0.	916.25	916.25
19	182.92	227.22	0.	410.14	305.47	118.75	53.03	42.13	28.85	28.85	0.	0.	0.	929.51	929.51
20	183.92	231.88	0.	415.80	306.75	122.35	54.47	43.18	30.94	30.94	0.	0.	0.	942.55	942.55
21	183.92	231.88	0.	415.80	307.90	125.73	55.75	44.12	33.08	33.08	0.	0.	0.	949.31	949.31
22	183.92	231.88	0.	415.80	308.94	128.90	56.91	44.93	35.07	35.07	0.	0.	0.	955.48	955.48
23	183.92	231.88	0.	415.80	309.85	131.87	57.93	45.62	36.91	36.91	0.	0.	0.	961.08	961.08
24	183.92	231.88	0.	415.80	310.66	134.64	58.84	46.23	38.65	38.65	0.	0.	0.	966.17	966.17
25	183.92	231.88	0.	415.80	311.36	137.23	59.68	46.77	40.33	40.33	0.	0.	0.	970.84	970.84
26	183.92	231.88	0.	415.80	311.95	139.63	60.48	47.28	41.99	41.99	0.	0.	0.	975.14	975.14
27	183.92	231.88	0.	415.80	312.45	141.86	61.23	47.75	43.53	43.53	0.	0.	0.	979.09	979.09
28	183.92	231.88	0.	415.80	312.85	143.94	61.94	48.18	44.92	44.92	0.	0.	0.	982.71	982.71
29	183.92	231.88	0.	415.80	313.17	145.86	62.63	48.58	46.21	46.21	0.	0.	0.	986.04	986.04
30	183.92	231.88	0.	415.80	313.40	147.65	63.33	48.97	47.42	47.42	0.	0.	0.	989.15	989.15
31	183.92	231.88	0.	415.80	313.61	149.28	63.94	49.32	48.59	48.59	0.	0.	0.	991.95	991.95
32	183.92	231.88	0.	415.80	313.79	150.76	64.50	49.65	49.73	49.73	0.	0.	0.	994.50	994.50
33	183.92	231.88	0.	415.80	313.96	152.10	64.98	49.93	50.90	50.90	0.	0.	0.	996.78	996.78
34	183.92	231.88	0.	415.80	314.12	153.30	65.39	50.18	52.10	52.10	0.	0.	0.	998.78	998.78
35	183.92	231.88	0.	415.80	314.25	154.38	65.80	50.39	53.19	53.19	0.	0.	0.	1000.63	1000.63
36	183.92	231.88	0.	415.80	314.37	155.36	66.14	50.57	54.14	54.14	0.	0.	0.	1002.23	1002.23
37	183.92	231.88	0.	415.80	314.47	156.22	66.46	50.72	55.03	55.03	0.	0.	0.	1003.67	1003.67
38	183.92	231.88	0.	415.80	314.56	157.00	66.75	50.85	55.86	55.86	0.	0.	0.	1004.95	1004.95
39	183.92	231.88	0.	415.80	314.64	157.68	67.02	50.95	56.60	56.60	0.	0.	0.	1006.09	1006.09
40	183.92	231.88	0.	415.80	314.71	158.27	67.27	51.04	57.24	57.24	0.	0.	0.	1007.09	1007.09
41	183.92	231.88	0.	415.80	314.78	158.79	67.47	51.11	57.81	57.81	0.	0.	0.	1007.94	1007.94
42	183.92	231.88	0.	415.80	314.83	159.23	67.64	51.17	58.33	58.33	0.	0.	0.	1008.67	1008.67
43	183.92	231.88	0.	415.80	314.88	159.60	67.80	51.22	58.75	58.75	0.	0.	0.	1009.29	1009.29
44	183.92	231.88	0.	415.80	314.91	159.91	67.94	51.26	59.10	59.10	0.	0.	0.	1009.82	1009.82
45	183.92	231.88	0.	415.80	314.95	160.16	68.06	51.29	59.42	59.42	0.	0.	0.	1010.24	1010.24
46	183.92	231.88	0.	415.80	314.97	160.35	68.14	51.30	59.71	59.71	0.	0.	0.	1010.56	1010.56
47	183.92	231.88	0.	415.80	314.99	160.49	68.18	51.30	59.94	59.94	0.	0.	0.	1010.64	1010.76
48	183.92	231.88	0.	415.80	315.00	160.58	68.18	51.30	60.10	59.91	0.	0.	0.	1010.67	1010.86
49	183.92	231.88	0.	415.80	315.00	160.62	68.18	51.30	60.24	60.00	0.	0.	0.	1010.67	1010.91
50	183.92	231.88	0.	415.80	315.00	160.62	68.18	51.30	60.39	60.11	0.	0.	0.	1010.63	1010.91

TABLE A-4

50% HIGHER GCR FABRICATION COST COMPUTER OUTPUT

		Present Valued Benefit (Billions of \$)	Case Page Number
CASE 1.	No reprocessing and the LWR is the only nuclear option. [1153.80]	--	A-17
CASE 2.	With reprocessing and the LWR is the only nuclear option. [1065.34] (Case 1 - Case 2)	88	A-22
CASE 3.	No reprocessing and the LWR and PBR-4021 are the only nuclear options. [1111.23] (Case 1 - Case 3)	43	A-127
CASE 4.	With reprocessing and the LWR and PBR-4021 are the only nuclear options. [1063.68] (Case 2 - Case 4)	2	A-132
CASE 5.	With reprocessing and the LWR, PBR-4021, PBR-PB, and PBR-NB are the only nuclear options. [1064.91] (Case 2 - Case 5)	0	A-137
CASE 6.	With reprocessing and the LWR, PBR-4021, PBR-PB, and PBR-PBTBR are the only nuclear options. [1051.40] (Case 2 - Case 6)	14	A-142
CASE 7.	No reprocessing and the LWR and HTGR-OC are the only nuclear options. [1154.15] (Case 1 - Case 7)	0	A-147
CASE 8.	With reprocessing and the LWR and HTGR-RC are the only nuclear options. [1046.67] (Case 2 - Case 8)	19	A-153
CASE 9.	With reprocessing and the LWR and HTGR-HC are the only nuclear options. [1057.84] (Case 2 - Case 9)	8	A-158
CASE 10.	With reprocessing and the LWR and PBR-28 are the only nuclear options. [1047.45] (Case 2 - Case 10)	18	A-163

[] = Present valued cost of generating electricity for this case.

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (***** REFERENCE INFORMATION FOR GCR INCENTIVES CASES *****)\$
 CRD NO....2 (DATA LAST CHANGED 1-5-79)\$
 CRD NO....3 (BASE DATA SET FOR PBR,S)\$
 CRD NO....4 \$
 CRD NO....5 (BREEDER PERFORMANCE DATA)\$
 CRD NO....6 \$
 CRD NO....7 (LMFBR OUT OF CORE RATIOS)\$
 CRD NO....8 09(30)=2.5,09(65)=2.5,09(80)=1.5,09(121)=1.5 \$
 CRD NO....9 (LMFBR SPECIFIC POWER KWTH/KG PU FISSILE FOR 1ST CORE)\$
 CRD NO....10 D3(30)=1000. , D3(121)=1000. \$
 CRD NO....11 (LMFBR THERMAL EFFICIENCY)\$
 CRD NO....12 D4(30)=0.38,D4(121)=0.38 \$
 CRD NO....13 \$
 CRD NO....14 (INVENTORY SLOPES)\$
 CRD NO....15 \$
 CRD NO....16 (INVENTORY ON U-CYCLE LWR PU (MILLS/KW-HR)/(\$/GM PU))\$
 CRD NO....17 CBUINV=0.0 , CPUINV=0.00236 \$
 CRD NO....18 CGUINV=0.003126 \$
 CRD NO....19 (PU CREDIT BASED ON LEVELIZATION PERIOD - (MILLS/KWHR)/(\$/GM))\$
 CRD NO....20 BWRSFI =0.0 , PWRSFI=0.0565\$
 CRD NO....21 \$
 CRD NO....22 (LWR U-CYCLE & HTGR PERFORMANCE DATA)\$
 CRD NO....23 \$
 CRD NO....24 (BWR,PWR,HTGR SPECIFIC POWERS -- MWTH/MTU)\$
 CRD NO....25 SPECIF(1)=1838.0,1714.0,26.9 \$
 CRD NO....26 (BWR,PWR,HTGR RELOAD BURNUPS -- MWDTH/MTU)\$
 CRD NO....27 BUPRLD(1)=1309430.0,571210.0,27500.0 \$
 CRD NO....28 (BWR,PWR,HTGR EFFICIENCY)\$
 CRD NO....29 EFFICY(1)=0.38,0.38,0.34 \$
 CRD NO....30 \$
 CRD NO....31 (PLUTONIUM PERFORMANCE DATA)\$
 CRD NO....32 \$
 CRD NO....33 PURCIN=242.0\$ INVERSE OF 4130.5 KG PU LOAD REQUIREMENT FOR 1000MWE
 CRD NO....34 PURCDC=257.0\$ INVERSE OF 3891.6 KG PU DISCHARGE PER 1000MWE
 CRD NO....35 (LWR PU RECYCLE PU CONSUMPTION RATE - KG PU/MWE-YR AT 100% CF)\$
 CRD NO....36 PURPCR(30) = 0.0748 , PURPCR(121)= 0.0748 \$
 CRD NO....37 (LWR PU RECYCLE PLUTONIUM INVENTORY - (MILLS/KWE-HR)/(\$/GM PU))\$
 CRD NO....38 PURPIS(30) = 0.06816 , PURPIS(121)= 0.06816 \$
 CRD NO....39 (VALUE OF PU AFTER ONE RECYCLE - %/100) \$
 CRD NO....40 FPUVAU = 1.0 \$
 CRD NO....41 (NET PU PRODUCTION -- KG PU FISSILE/MWE-YR AT 100% CF)\$
 CRD NO....42 FBRPUP(30)=0.196,FBRPUP(121)=0.196 \$
 CRD NO....43 BWRPUP(30) = 0.0 , BWRPUP(121)= 0.0 \$
 CRD NO....44 PWRPUP(40) = 0.516 , PWRPUP(121)= 0.516 \$
 CRD NO....45 \$
 CRD NO....46 (U-233 PERFORMANCE DATA) \$
 CRD NO....47 \$
 CRD NO....48 UIRCIN=326.8 \$ INVERSE OF X KG U-233 LOAD REQUIRED FOR 1000 MWE
 CRD NO....49 UIRCDC=636.9 \$ INVERSE OF X KG U-233 DISCHARGE PER 1000 MWE

00000280
 00000290
 00000300
 00000310
 00000320
 00000330
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 00000350
 00000360
 00000370
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A-122

CRD NO...50 (GCR U-233 CONSUMPTION RATE - KG U-233/MWE-YR AT 100% CF) \$ 00000770
 CRD NO...51 UIRICR(30) = 0.6815, UIRICR(121) = 0.6815 \$ 00000780
 CRD NO...52 (GCR U-233 RECYCLE INVENTORY - (MILLS/KWE-HRO)/(\$/GM PU)) \$ 00000790
 CRD NO...53 UIRIIS(30) = 0.0741, UIRIIS(121) = 0.0741 \$ 00000800
 CRD NO...54 (VALUE OF U-233 AFTER ONE RECYCLE - %/100) \$ 00000810
 CRD NO...55 FUIVAU = 1.00 \$ 00000820
 CRD NO...56 (NET U-233 PRODUCTION -- KG U-233 FISSILE/MWE-YR AT 100% CF) \$ 00000830
 CRD NO...57 GCRUIP(45) = 0.235, GCRUIP(121) = 0.235 \$ 00000840
 CRD NO...58 (U-233 CREDIT BASED ON LEVELIZATION PERIOD-(MILLS/KWHR)/(\$/GM)) \$ 00000850
 CRD NO...59 GCRSFI = 0.0237 00000860
 CRD NO...60 \$ 00000870
 CRD NO...61 (FUEL SERVICE CHARGES)\$ 00000880
 CRD NO...62 \$ 00000890
 CRD NO...63 (LWR AND GCR ENRICHMENT COSTS - (M/KWH)/(\$/SWU)) \$ 00000900
 CRD NO...64 BWRDEC(30) = 0.0187, BWRDEC(121) = 0.0187 \$ 00000910
 CRD NO...65 BWRIEC(30) = 0.0142, BWRIEC(121) = 0.0142 \$ 00000920
 CRD NO...66 PWRDEC(30) = 0.0258, PWRDEC(121) = 0.0258 \$ 00000930
 CRD NO...67 PWRIEC(30) = 0.0156, PWRIEC(121) = 0.0156 \$ 00000940
 CRD NO...68 GCRDEC(30) = 0.0154, GCRDEC(121) = 0.0154 \$ 00000950
 CRD NO...69 GCRIEC(30) = 0.00966, GCRIEC(121) = 0.00966 \$ 00000960
 CRD NO...70 (SEPARATIVE WORK COST - \$/SWU)\$ 00000970
 CRD NO...71 ECOST(30)=61., ECOST(37)=61., ECOST(40)=75., ECOST(45)=85. \$ 00000980
 CRD NO...72 ECOST(121)=85. \$ 00000990
 CRD NO...73 SWUPCF = 0.0 \$ 00001000
 CRD NO...74 CONVER(35)=4.5, CONVER(40)=4.5, CONVER(60)=4.8, CONVER(121)=4.5 \$ 00001010
 CRD NO...75 (LWR AND GCR URANIUM COST (MILLS/KWH)/(\$/LB U308)) \$ 00001020
 CRD NO...76 BWRDUC(30) = 0.0368, BWRDUC(121) = 0.0368 \$ 00001030
 CRD NO...77 BWRIUC(30) = 0.0364, BWRIUC(121) = 0.0364 \$ 00001040
 CRD NO...78 PWRDUC(30) = 0.0503, PWRDUC(121) = 0.0503 \$ 00001050
 CRD NO...79 PWRIUC(30) = 0.0458, PWRIUC(121) = 0.0458 \$ 00001060
 CRD NO...80 GCRDUC(30) = 0.0407, GCRDUC(121) = 0.0407 \$ 00001070
 CRD NO...81 GCRIUC(30) = 0.0468, GCRIUC(121) = 0.0468 \$ 00001080
 CRD NO...82 (BWR,PWR,HTGR URANIUM INVENTORY FACTORS)\$ 00001090
 CRD NO...83 UINVEN(1)=1.50,1.50,1.50 \$ 00001100
 CRD NO...84 (BWR,PWR,GCR URANIUM ENRICHMENTS -- WEIGHT PERCENT U235)\$ 00001110
 CRD NO...85 EPNINT(1)=.93,.93,.0203 \$ 00001120
 CRD NO...86 EPNRLD(1)=.93,.93,.0273 \$ 00001130
 CRD NO...87 EPNOUT(1)=.002,.002,.008 \$ 00001140
 CRD NO...88 (TAILS COMPOSITION - WT%U235)\$ 00001150
 CRD NO...89 TAILS=0.20\$ 00001160
 CRD NO...90 TAILSL=0.0001\$ 00001170
 CRD NO...91 (FABRICATION CHARGES - MILLS/KWE-HRO)\$ 00001180
 CRD NO...92 BWRFAB(30)=.806,BWRFAB(121)=.806 \$ 00001190
 CRD NO...93 PWRFAB(30)=2.960,PWRFAB(121)=2.960 \$ 00001200
 CRD NO...94 PURFAB(30)=3.038,PURFAB(121)=3.038 \$ 00001210
 CRD NO...95 GCRFAB(30)=0.810,GCRFAB(121)=0.810 \$ 00001220
 CRD NO...96 UIRFAB(30)=3.00,UIRFAB(121)=3.00 \$ 00001230
 CRD NO...97 FBRFAB(30)=2.619,FBRFAB(121)=2.619 \$ 00001240
 CRD NO...98 (RECOVERY CHARGES - MILLS/KWE-HRO)\$ 00001250
 CRD NO...99 BWRREC(30)=0.1080,BWRREC(121)=0.1080 \$ 00001260
 CRD NO...100 PWRREC(30)=1.978,PWRREC(121)=1.978 \$ 00001270
 CRD NO...101 PURREC(30)=1.656,PURREC(121)=1.656 \$ 00001280

CRD NO. 102 GCRREC(30)=1.03,GCRREC(121)=1.03 \$
 CRD NO. 103 UIRREC(30)=1.03,UIRREC(121)=1.03 \$
 CRD NO. 104 FBRREC(30)=1.353,FBRREC(121)=1.353 \$
 CRD NO. 105 (OPERATING & MAINTENANCE COSTS - MILLS/KWE-HRD) \$
 CRD NO. 106 FOSOM(30)=1.60,FOSOM(121)=1.60 \$
 CRD NO. 107 BWROM(30)=2.12,BWROM(121)=2.12 \$
 CRD NO. 108 PWROM(30)=2.12,PWROM(121)=2.12 \$
 CRD NO. 109 PUROM(30)=2.12,PUROM(121)=2.12 \$
 CRD NO. 110 GCROM(30)=2.12,GCROM(121)=2.12 \$
 CRD NO. 111 UIROM(30)=2.12,UIROM(121)=2.12 \$
 CRD NO. 112 FBROM(30)=2.12,FBROM(121)=2.12 \$
 CRD NO. 113 (CAPITAL COSTS -- \$/KWE) \$
 CRD NO. 114 FOCC(1) = 500.0 , 99999.0 , 99999.0 \$
 CRD NO. 115 BWRCC(1)=660. , BWRCC(121)=660. \$
 CRD NO. 116 PWRCC(1)=660. , PWRCC(121)=660. \$
 CRD NO. 117 GCRCC(1)=600. , GCRCC(121)=600. \$
 CRD NO. 118 FBRCC(1)=660. , FBRCC(121)=660. \$
 CRD NO. 119 \$
 CRD NO. 120 (ANNUAL INFLATION RATES - %/100) \$
 CRD NO. 121 \$
 CRD NO. 122 RATEML(20)=.06,RATEML(121)=.06 \$
 CRD NO. 123 RATEM(20)=.06,RATEM(121)=.06 \$
 CRD NO. 124 RATEFL(20)=.06,RATEFL(121)=.06 \$
 CRD NO. 125 RATEQ(1)=.06,RATEQ(121)=.06 \$
 CRD NO. 126 RATEN(20)=.06,RATEN(121)=.06 \$
 CRD NO. 127 JTRIP=150 \$
 CRD NO. 128 \$
 CRD NO. 129 (MATERIAL AND LABOR SPLITS) \$
 CRD NO. 130 \$
 CRD NO. 131 FLBFAB=.1,FMBFAB=.9,FLBREC=.3,FMBREC=.2,FLBOM=1.0 \$
 CRD NO. 132 FLBCC=1.0,FMBCC=0.00 \$
 CRD NO. 133 FLFCC=1.0,FMFCC=0.00,FLFOM=1.0 \$
 CRD NO. 134 FLLCC=1.0,FMLCC=0.00 \$
 CRD NO. 135 FLLFAB=.61,FMLFAB=.39,FLLREC=.45,FMLREC=.3,FLLOM=1.0 \$
 CRD NO. 136 FLLFC=.15,FMLEC=.55,FLLUC=.5,FMLUC=.4 \$
 CRD NO. 137 FLPFAB=.4,FMPFAB=.6,FLPREC=.45,FMPREC=.3,FLPUOM=1.0 \$
 CRD NO. 138 FLGCC=1.0,FMGCC=0.00 \$
 CRD NO. 139 FLGFAB=.61,FMGFAB=.39,FLGREC=.45,FMGREC=.3,FLGOM=1.0 \$
 CRD NO. 140 FLGEC=.15,FMGEC=.55,FLGUC=.5,FMGUC=.4 \$
 CRD NO. 141 FLIFAB=.4,FMIFAB=.6,FLIREC=.45,FMIREC=.3,FLUIOM=1.0 \$
 CRD NO. 142 \$
 CRD NO. 143 (ECONOMICS - INTEREST & DISCOUNT RATES - %/100) \$
 CRD NO. 144 \$
 CRD NO. 145 R=0.1024 \$
 CRD NO. 146 DRWOTP=0.1236,DRWTP=0.1130 \$
 CRD NO. 147 (EFFECTIVE INTEREST RATE PLUS TAXES) \$
 CRD NO. 148 EINRPT=0.1556 \$
 CRD NO. 149 FBRD30=0.0252 \$
 CRD NO. 150 FBRI30=0.1187 \$
 CRD NO. 151 FBRI30=0.1300 \$
 CRD NO. 152 FBRDJB = 0.0193 , FBRIJB = 0.1288 \$
 CRD NO. 153 (AVERAGE CAPITAL CHARGE RATE) \$

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CRD NO. 154 AVECCR=0.1464 \$
 CRD NO. 155 ACCR30 = 0.1380 \$
 CRD NO. 156 (REGIONAL CAPITAL CHARGE RATE MULTIPLIERS) \$
 CRD NO. 157 CCR(1)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 CRD NO. 158 CCR(10)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 CRD NO. 159 CCR(19)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 CRD NO. 160 \$
 CRD NO. 161 (MISCELLANEOUS INPUTS) \$
 CRD NO. 162 \$
 CRD NO. 163 A1=2.0,A3=0.5465 \$
 CRD NO. 164 (YR IN WHICH URAN RECYCLE BEGINS & TIME TO DEPLETION) \$
 CRD NO. 165 LFYUR =2005 , LTDURS = 1 \$
 CRD NO. 166 (YR IN WHICH PU RECYCLE BEGINS & TIME TO DEPLETION OF STOCKPILE) \$
 CRD NO. 167 LFYPUR = 2005 \$
 CRD NO. 168 LTDPUS = 4 \$
 CRD NO. 169 (YR OF GCR INTRO, YR U-233 RECYCLE BEGINS, YRS TO STOCK DEplete) \$
 CRD NO. 170 G1 = 1995 , LFYUR = 1990 , LTDURS = 10 \$
 CRD NO. 171 (FRACTION OF THE CAPITAL COST WHICH IS INTEREST DURING CONSTRUCTION)\$
 CRD NO. 172 CINDC = 0.0 \$
 CRD NO. 173 HTGRF = 0.00 \$
 CRD NO. 174 GCRLIM(1)=1.,2.,4.,6.,9.,12.,14.,16.,18.,20. \$
 CRD NO. 175 FBRLIM(1)=1.,2.,4.,6.,9.,12.,14.,16.,18.,20. \$
 CRD NO. 176 JB = 16 \$
 CRD NO. 177 NY = 2050 , LYEAR = 2020 D1 = 2010. \$
 CRD NO. 178 IFIRST = 2001 \$
 CRD NO. 179 IBTOPW = 2005 \$
 CRD NO. 180 (CAPACITY FACTOR INFORMATION) \$
 CRD NO. 181 RL11 = 0.70 , RL21 = 0.80 , RL31 = 0.80 , RL61 = 0.70 \$
 CRD NO. 182 C(1)=1.0,C(6)=1.0,C(40)=.815,C(81)=.421,C(82)=0.0 \$
 CRD NO. 183 (BWR TO LWR FRACTION) \$
 CRD NO. 184 BWRLWR=1.00\$
 CRD NO. 185 NOUT(1)=1,3,1,1,1,1,1,0,0,0,1,0,1,1,1,1,0,0,1,0 \$
 CRD NO. 186 NOUT(21)=1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1 \$
 DTA CALL NO.2 INPUT EDITS

CRD NO.1 (CURRENT AVERAGE FOSSIL FUEL COST FOR EXISTING PLANTS - C/MBTU) \$
 CRD NO.2 CAFOFC = 90.0 \$
 CRD NO.3 (AVERAGE FOSSIL FUEL COSTS - COAL - OIL - GAS - CENTS/MBTU) \$
 CRD NO.4 AFOFC(1) = 100.0, 999999.0, 999999.0 \$
 CRD NO.5 (FOSSIL FUEL COST MULTIPLIERS - FOFC(I,J) - I=FUEL,J=REGION)\$
 CRD NO.6 FOFC(1,1) = 1.108,1.,1. \$
 CRD NO.7 FOFC(1,2) = 1.517,1.,1. \$
 CRD NO.8 FOFC(1,3) = 1.517,1.,1. \$
 CRD NO.9 FOFC(1,4) = 1.913,1.,1. \$
 CRD NO.10 FOFC(1,5) = 0.726,1.,1. \$
 CRD NO.11 FOFC(1,6) = 1.082,1.,1. \$
 CRD NO.12 FOFC(1,7) = 1.082,1.,1. \$
 CRD NO.13 FOFC(1,8) = 1.610,1.,1. \$
 CRD NO.14 FOFC(1,9) = 0.699,1.,1. \$
 CRD NO.15 FOFC(1,10) = 1.240,1.,1. \$
 CRD NO.16 FOFC(1,11) = 1.240,1.,1. \$

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CRD NO...17 FOFC(1,12)= 1.728,1.,1. \$
 CRD NO...18 FOFC(1,13)= 0.475,1.,1. \$
 CRD NO...19 FOFC(1,14)= 0.765,1.,1. \$
 CRD NO...20 FOFC(1,15)= 0.765,1.,1. \$
 CRD NO...21 FOFC(1,16)= 0.990,1.,1. \$
 CRD NO...22 FOFC(1,17)= 0.237,1.,1. \$
 CRD NO...23 FOFC(1,18)= 0.237,1.,1. \$
 CRD NO...24 FOFC(1,19)= 0.581,1.,1. \$
 CRD NO...25 FOFC(1,20)= 1.003,1.,1. \$
 CRD NO...26 FOFC(1,21)= 0.396,1.,1. \$
 CRD NO...27 FOFC(1,22)= 0.396,1.,1. \$
 CRD NO...28 FOFC(1,23)= 1.346,1.,1. \$
 CRD NO...29 FOFC(1,24)= 1.346,1.,1. \$
 CRD NO...30 (FOSSIL FUEL ESCALATION RATES)\$
 CRD NO...31 FFER(1,30)=.01147,.01147,.01147 \$
 CRD NO...32 FFER(1,121)=.01147,.01147,.01147 \$
 CRD NO...33 (FOSSIL THERMAL EFFICIENCIES)
 CRD NO...34 FEFF(1) = 0.38 , 0.38 , 0.38 \$
 CRD NO...35 (NUCLEAR LABOR COST MULTIPLIERS BY REGION)\$
 CRD NO...36 LCMN(1) = 1.086,1.086,1.086,1.086,0.935,0.935,0.935,1.036,1.036 \$
 CRD NO...37 LCMN(11)=1.036,1.036,0.985,0.985,0.985,0.985,0.960,0.960,0.960,0.960 \$
 CRD NO...38 LCMN(21)= 0.998,0.998,0.998,0.998 \$
 CRD NO...39 (FOSSIL LABOR COST MULTIPLIERS BY REGION)\$
 CRD NO...40 LCMF(1) =1.072,1.072,1.072,1.072,0.936,0.936,0.936,0.936,1.030,1.030 \$
 CRD NO...41 LCMF(11)=1.030,1.030,1.001,1.001,1.001,1.001,0.959,0.959,0.959,0.959 \$
 CRD NO...42 LCMF(21)=0.857,0.857,0.857,0.857 \$
 CRD NO...43 (GROWTH RATES)\$
 CRD NO...44 GROW(20)=0.05,GROW(60)=0.05,GROW(81)=0.035,GROW(80)=0.035 \$
 CRD NO...45 GROW(81)=0.05
 CRD NO...46 RGROW(1)=0.852,0.852,0.852,0.852,1.239,1.239,1.239,1.239,0.936,0.936 \$
 CRD NO...47 RGROW(11)=0.936,0.936,0.937,0.937,0.937,0.937,0.937,1.239,1.239,1.239 \$
 CRD NO...48 RGROW(21)=1.014,1.014,1.014,1.014 \$
 CRD NO...49 (1975 REGIONAL INSTALLED CAPACITIES - MWE)\$
 CRD NO...50 CAPBY(1)=26109.,16038.,16039.,16411.,13729.,20190.,20190.,26650. \$
 CRD NO...51 CAPBY(9)=16931.,18744.,18745.,6047.,8134.,12426.,12426.,12200. \$
 CRD NO...52 CAPBY(17)=16304.,16304.,8454.,19323.,13802.,13802.,20703.,20703. \$\$

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THE ABOVE CASE HAS BEEN SKIPPED (A1 IS GREATER THAN 1.0).

START OF CASE (DTA CAL 0.....7

031079 INPUT EDITS

CRD NO....1 (CASE # 3 , LWR AND 4021 - NO RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , IBTOPW = 2051 \$
 CRD NO....4 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 \$
 CRD NO....5 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 \$
 CRD NO....6 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 \$
 CRD NO....7 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 \$
 CRD NO....8 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 \$
 CRD NO....9 UIRREC(30) = 0.475 , UIRREC(121) = 0.475 \$
 CRD NO...10 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 \$
 CRD NO...11 LFYUIR = 2051 , LFYPUR = 2051 \$
 CRD NO...12 GCRSFI = 0.0 , CGUINV = 0.0 \$
 CRD NO...13 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO...14 EPNOUT(3) = 0.002 \$\$
 DTA CALL NO.....8 INPUT EDITS

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CRD NO....1 \$\$

00003020

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	850.5	1058.9	325.4	0.	1932.54	1687.30	1041.29
2	1091.7	874.7	294.7	0.	1917.29	1643.63	1041.29
3	1083.2	882.1	294.7	0.	1907.57	1644.92	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
***** (T H O U S A N D S O F M W) *****																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	0.	0.	16.0	171.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	0.	0.	17.0	188.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	0.	0.	18.0	206.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	0.	0.	19.0	225.	0.	0.
91	773.	26.8	528.	0.	0.	0.	0.	0.	0.	20.0	244.	0.	0.	20.0	244.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	0.	0.	20.5	265.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	0.	0.	21.0	286.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	0.	0.	22.0	308.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	0.	0.	21.4	329.	0.	0.
A-128 96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	0.	0.	20.7	350.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	0.	0.	18.9	368.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	0.	0.	17.1	385.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	0.	0.	14.2	398.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	0.	0.	11.3	407.	0.	0.
01	1234.	15.7	753.	14.0	48.	0.	0.	14.0	48.	29.2	433.	0.	0.	29.2	433.	0.	0.
02	1275.	20.1	756.	16.0	64.	0.	0.	16.0	64.	27.5	455.	0.	0.	27.5	455.	0.	0.
03	1318.	21.1	762.	18.0	82.	0.	0.	18.0	82.	27.3	474.	0.	0.	27.3	474.	0.	0.
04	1361.	25.8	773.	20.0	102.	0.	0.	20.0	102.	23.6	486.	0.	0.	23.6	486.	0.	0.
05	1404.	27.1	779.	42.5	145.	0.	0.	42.5	145.	0.	480.	0.	0.	0.	480.	0.	0.
06	1447.	28.4	785.	44.6	189.	0.	0.	44.6	189.	0.	473.	0.	0.	0.	473.	0.	0.
07	1492.	29.8	792.	46.7	236.	0.	0.	46.7	236.	0.	464.	0.	0.	0.	464.	0.	0.
08	1539.	27.8	803.	43.4	279.	0.	0.	43.4	279.	0.	457.	0.	0.	0.	457.	0.	0.
09	1588.	28.9	815.	45.1	324.	0.	0.	45.1	324.	0.	449.	0.	0.	0.	449.	0.	0.
10	1638.	30.0	828.	46.8	371.	0.	0.	46.8	371.	0.	440.	0.	0.	0.	440.	0.	0.
11	1691.	31.3	841.	48.7	420.	0.	0.	48.7	420.	0.	430.	0.	0.	0.	430.	0.	0.
12	1745.	32.5	856.	50.6	470.	0.	0.	50.6	470.	0.	419.	0.	0.	0.	419.	0.	0.
13	1802.	42.6	880.	44.8	515.	0.	0.	44.8	515.	0.	407.	0.	0.	0.	407.	0.	0.
14	1861.	44.4	905.	46.6	562.	0.	0.	46.6	562.	0.	394.	0.	0.	0.	394.	0.	0.
15	1922.	46.2	932.	48.4	610.	0.	0.	48.4	610.	0.	380.	0.	0.	0.	380.	0.	0.
16	1985.	48.1	960.	50.3	660.	0.	0.	50.3	660.	0.	365.	0.	0.	0.	365.	0.	0.
17	2050.	50.0	989.	52.2	713.	0.	0.	52.2	713.	0.	349.	0.	0.	0.	349.	0.	0.
18	2118.	52.1	1019.	54.3	767.	0.	0.	54.3	767.	0.	332.	0.	0.	0.	332.	0.	0.
19	2188.	54.2	1051.	56.4	823.	0.	0.	56.4	823.	0.	314.	0.	0.	0.	314.	0.	0.
20	2260.	56.4	1083.	58.6	882.	0.	0.	58.6	882.	0.	295.	0.	0.	0.	295.	0.	0.
21	2213.	0.	1057.	0.	882.	0.	0.	0.	882.	0.	275.	0.	0.	0.	275.	0.	0.
22	2164.	0.	1028.	0.	882.	0.	0.	0.	882.	0.	254.	0.	0.	0.	254.	0.	0.
23	2113.	0.	997.	0.	882.	0.	0.	0.	882.	0.	233.	0.	0.	0.	233.	0.	0.

[illegible]

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES												TOTALS	
*****	*****				*****												*****	
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS				
*****	*****	*****	*****	*****	*****	*****				*****				*****				
						FABRICATION	RECOVERY	URANIUM	PU	PU	FABRICATION	RECOVERY	PU	PU	WITH	W+D		
						FUEL	O&M	FEED	SEP WK	SALES	PURCHASES	O&M	SALES	PURCHASES	PU	PU		
77	11.45	5.18	0.	16.63	15.47	1.05	0.48	0.18	0.	0.	0.	0.	0.	0.	33.80	33.80		
78	19.44	9.17	0.	28.61	30.42	2.16	1.50	0.72	0.	0.	0.	0.	0.	0.	63.40	63.40		
79	26.96	13.58	0.	40.54	44.86	3.34	2.61	1.33	0.	0.	0.	0.	0.	0.	92.68	92.68		
80	34.26	18.11	0.	52.37	58.80	4.60	3.79	2.02	0.	0.	0.	0.	0.	0.	121.58	121.58		
81	41.26	22.86	0.	64.13	72.24	5.93	5.05	2.77	0.	0.	0.	0.	0.	0.	150.12	150.12		
82	48.00	27.80	0.	75.80	85.20	7.34	6.38	3.59	0.	0.	0.	0.	0.	0.	178.31	178.31		
83	54.61	32.87	0.	87.38	97.69	8.83	7.79	4.46	0.	0.	0.	0.	0.	0.	206.16	206.16		
84	60.82	38.06	0.	98.88	109.73	10.39	9.27	5.40	0.	0.	0.	0.	0.	0.	233.67	233.67		
85	66.95	43.33	0.	110.28	121.31	12.03	10.84	6.40	0.	0.	0.	0.	0.	0.	260.87	260.87		
86	72.94	48.66	0.	121.59	132.47	13.75	12.48	7.44	0.	0.	0.	0.	0.	0.	287.72	287.72		
87	78.79	54.02	0.	132.81	143.22	15.53	14.19	8.51	0.	0.	0.	0.	0.	0.	314.25	314.25		
88	84.53	59.39	0.	143.93	153.54	17.37	15.98	9.62	0.	0.	0.	0.	0.	0.	340.44	340.44		
89	90.19	64.76	0.	154.94	163.46	19.28	17.85	10.76	0.	0.	0.	0.	0.	0.	366.28	366.28		
90	95.76	70.10	0.	165.86	172.99	21.24	19.78	11.92	0.	0.	0.	0.	0.	0.	391.81	391.81		
A-130																		
91	101.65	75.41	0.	177.06	182.18	23.26	21.79	13.11	0.	0.	0.	0.	0.	0.	417.37	417.37		
92	107.62	80.54	0.	188.16	190.94	25.32	23.84	14.32	0.	0.	0.	0.	0.	0.	442.58	442.58		
93	113.67	85.50	0.	199.17	199.40	27.41	25.92	15.54	0.	0.	0.	0.	0.	0.	467.45	467.45		
94	119.70	90.40	0.	210.11	207.55	29.54	28.03	16.78	0.	0.	0.	0.	0.	0.	492.01	492.01		
95	125.82	95.13	0.	220.95	215.39	31.70	30.16	18.02	0.	0.	0.	0.	0.	0.	516.22	516.22		
96	132.02	99.67	0.	231.69	222.95	33.87	32.30	19.28	0.	0.	0.	0.	0.	0.	540.08	540.08		
97	138.31	104.03	0.	242.34	230.27	36.04	34.44	20.53	0.	0.	0.	0.	0.	0.	563.62	563.62		
98	144.67	108.22	0.	252.89	237.28	38.22	36.56	21.79	0.	0.	0.	0.	0.	0.	586.75	586.75		
99	151.11	112.24	0.	263.35	244.05	40.39	38.67	23.06	0.	0.	0.	0.	0.	0.	609.52	609.52		
00	157.62	116.09	0.	273.71	250.62	42.55	40.84	24.32	0.	0.	0.	0.	0.	0.	632.03	632.03		
01	159.57	122.69	0.	282.25	256.70	44.76	43.43	25.72	0.	0.	0.	0.	0.	0.	652.86	652.86		
02	161.91	128.99	0.	290.91	262.38	47.02	46.17	27.14	0.	0.	0.	0.	0.	0.	673.60	673.60		
03	164.23	135.21	0.	299.44	267.66	49.30	49.09	28.59	0.	0.	0.	0.	0.	0.	694.08	694.08		
04	166.91	140.88	0.	307.79	272.67	51.57	52.10	30.04	0.	0.	0.	0.	0.	0.	714.17	714.17		
05	169.56	146.37	0.	315.93	277.34	53.85	55.08	31.51	0.	0.	0.	0.	0.	0.	733.72	733.72		
06	172.18	151.80	0.	323.98	281.68	56.13	58.19	33.01	0.	0.	0.	0.	0.	0.	752.99	752.99		
07	174.77	157.16	0.	331.93	285.82	58.41	61.30	34.49	0.	0.	0.	0.	0.	0.	771.95	771.95		
08	177.05	161.87	0.	338.92	289.77	60.67	64.55	35.95	0.	0.	0.	0.	0.	0.	789.87	789.87		
09	179.29	166.48	0.	345.77	293.57	62.91	67.96	37.42	0.	0.	0.	0.	0.	0.	807.64	807.64		
10	181.48	171.00	0.	352.49	297.22	65.14	71.54	38.88	0.	0.	0.	0.	0.	0.	825.27	825.27		
11	183.64	175.43	0.	359.07	300.73	67.33	75.41	40.34	0.	0.	0.	0.	0.	0.	842.88	842.88		
12	185.75	179.78	0.	365.53	304.11	69.50	79.70	41.79	0.	0.	0.	0.	0.	0.	860.63	860.63		
13	188.37	183.41	0.	371.78	307.44	71.63	84.28	43.19	0.	0.	0.	0.	0.	0.	878.32	878.32		
14	190.94	186.97	0.	377.91	310.73	73.71	89.23	44.57	0.	0.	0.	0.	0.	0.	896.14	896.14		
15	193.46	190.46	0.	383.92	313.97	75.74	94.51	45.94	0.	0.	0.	0.	0.	0.	914.08	914.08		

[illegible]

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 4 , LWR AND 4021 - WITH RECYCLE) \$

00003040

CRD NO....2 A1 = 0.0 \$

00003050

CRD NO....3 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$

00003060

CRD NO....4 D1 = 2051.0 , IBTOPW = 2051 , LFYUIR = 2051 \$\$

00003070

DTA CALL NO.....2

INPUT EDITS

CRD NO....1 \$\$

00003080

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	755.7	1141.8	325.4	0.	1688.96	1454.83	1041.29
2	940.8	986.7	317.6	0.	1629.57	1284.79	1041.29
3	933.9	992.8	317.6	0.	1693.29	1294.27	1041.29
4	933.9	992.8	317.6	0.	1569.10	1294.27	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
***** (T H O U S A N D S O F M W) *****																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.8	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
A-133	96	986.	37.5	633.	2.0	3.	0.	2.0	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
	97	1035.	40.3	660.	4.0	7.	0.	4.0	7.	18.9	368.	21.5	74.	12.9	294.	0.	0.
	98	1086.	43.3	688.	6.0	13.	0.	6.0	13.	17.1	385.	23.1	81.	10.6	304.	0.	0.
	99	1139.	46.4	718.	9.0	22.	0.	9.0	22.	14.2	398.	24.2	87.	7.4	311.	0.	0.
	00	1194.	49.8	753.	12.0	34.	0.	12.0	34.	11.3	407.	25.3	94.	4.5	313.	0.	0.
	01	1234.	13.6	751.	14.0	48.	0.	14.0	48.	31.3	435.	26.2	99.	26.6	336.	0.	0.
	02	1275.	14.7	749.	16.0	64.	0.	16.0	64.	32.9	462.	27.9	104.	28.1	359.	0.	0.
	03	1318.	15.4	749.	18.0	82.	0.	18.0	82.	33.0	487.	29.9	109.	27.3	377.	0.	0.
	04	1361.	16.2	750.	20.0	102.	0.	20.0	102.	33.2	509.	31.7	116.	26.8	393.	0.	0.
	05	1402.	17.0	746.	51.4	153.	0.2	51.1	153.	0.	502.	33.3	123.	0.	380.	0.	0.
	06	1444.	17.8	742.	53.8	207.	0.2	53.6	207.	0.	495.	34.6	130.	0.	366.	0.	0.
	07	1488.	21.6	740.	53.9	261.	0.2	53.7	260.	0.	487.	34.7	134.	0.	353.	0.	0.
	08	1535.	20.1	744.	50.1	311.	0.1	49.9	310.	0.	480.	35.0	138.	0.	342.	0.	0.
	09	1583.	24.9	752.	48.6	360.	0.	48.8	359.	0.	472.	35.2	140.	0.	332.	0.	0.
	10	1633.	25.9	760.	50.5	410.	0.1	50.5	410.	0.	463.	35.5	140.	0.	322.	0.	0.
	11	1685.	31.3	774.	48.7	459.	0.2	48.7	458.	0.	453.	35.6	141.	0.	311.	0.	0.
	12	1739.	32.5	788.	50.6	509.	0.1	50.6	509.	0.	442.	35.1	141.	0.	300.	0.	0.
	13	1795.	33.8	804.	52.6	562.	0.1	52.5	561.	0.	430.	34.7	141.	0.5	289.	0.	0.
	14	1853.	35.2	820.	54.6	617.	0.	54.8	616.	0.	417.	34.2	140.	1.3	277.	0.	0.
	15	1913.	36.6	837.	56.8	673.	0.	56.9	673.	0.	403.	33.7	138.	1.9	265.	0.	0.
	16	1975.	38.1	855.	59.0	732.	0.	59.1	732.	0.	388.	33.2	136.	2.0	252.	0.	0.
	17	2039.	39.6	873.	61.3	794.	0.	61.4	794.	0.	372.	32.3	133.	2.4	238.	0.	0.
	18	2105.	41.2	893.	63.8	858.	0.	63.8	858.	0.	355.	31.3	130.	2.9	224.	0.	0.
	19	2173.	42.9	913.	66.3	924.	0.	66.3	924.	0.	337.	30.4	127.	3.4	209.	0.	0.
	20	2244.	44.7	934.	68.9	993.	0.	68.9	993.	0.	318.	29.3	123.	3.8	194.	0.	0.
	21	2198.	0.	907.	0.	993.	0.	0.	993.	0.	298.	28.3	119.	4.0	178.	0.	0.
	22	2148.	0.	879.	0.	993.	0.	0.	993.	0.	277.	27.0	115.	4.3	162.	0.	0.
	23	2097.	0.	848.	0.	993.	0.	0.	993.	0.	256.	25.7	110.	4.7	146.	0.	0.

24	2042.	0.	815.	0.	993.	0.	0.	0.	993.	0.	234.	24.3	105.	5.1	129.	0.	0.
25	1985.	0.	780.	0.	992.	0.	0.	0.	992.	0.	213.	22.9	100.	5.4	113.	0.	0.
26	1925.	0.	743.	0.	990.	0.	0.	0.	990.	0.	192.	21.4	94.	5.6	98.	0.	0.
27	1861.	0.	703.	0.	986.	0.	0.	0.	986.	0.	173.	19.9	89.	5.7	85.	0.	0.
28	1795.	0.	659.	0.	980.	0.	0.	0.	980.	0.	156.	18.4	83.	5.9	73.	0.	0.
29	1725.	0.	613.	0.	971.	0.	0.	0.	971.	0.	142.	17.0	77.	5.9	65.	0.	0.
30	1652.	0.	563.	0.	959.	0.	0.	0.	959.	0.	130.	15.7	71.	5.7	59.	0.	0.
31	1593.	0.	550.	0.	945.	0.	0.	0.	945.	0.	99.	14.5	66.	5.4	34.	0.	0.
32	1530.	0.	535.	0.	929.	0.	0.	0.	929.	0.	66.	13.4	61.	5.0	6.	0.	0.
33	1463.	0.	519.	0.	911.	0.	0.	0.	911.	0.	33.	-10.4	33.	5.8	0.	0.	0.
34	1394.	0.	503.	0.	891.	0.	0.	0.	891.	0.	-0.	-17.5	-0.	0.	0.	0.	0.
35	1326.	0.	486.	0.	839.	0.	0.	0.	839.	0.	-0.	14.5	-0.	0.	0.	0.	0.
36	1254.	0.	468.	0.	786.	0.	0.	0.	786.	0.	-0.	13.4	-0.	0.	0.	0.	0.
37	1179.	0.	447.	0.	732.	0.	0.	0.	732.	0.	-0.	-10.4	-0.	0.	0.	0.	0.
38	1108.	0.	427.	0.	682.	0.	0.	0.	682.	0.	-0.	-17.5	-0.	0.	0.	0.	0.
39	1035.	0.	402.	0.	633.	0.	0.	0.	633.	0.	-0.	14.5	-0.	0.	0.	0.	0.
40	959.	0.	376.	0.	583.	0.	0.	0.	583.	0.	-0.	13.4	-0.	0.	0.	0.	0.
41	879.	0.	345.	0.	534.	0.	0.	0.	534.	0.	-0.	-10.4	-0.	0.	0.	0.	0.
42	796.	0.	312.	0.	483.	0.	0.	0.	483.	0.	-0.	-17.5	-0.	0.	0.	0.	0.
43	709.	0.	278.	0.	431.	0.	0.	0.	431.	0.	-0.	14.5	-0.	0.	0.	0.	0.
44	619.	0.	243.	0.	376.	0.	0.	0.	376.	0.	-0.	13.4	-0.	0.	0.	0.	0.
45	526.	0.	207.	0.	319.	0.	0.	0.	319.	0.	-0.	-10.4	-0.	0.	0.	0.	0.
46	429.	0.	168.	0.	260.	0.	0.	0.	260.	0.	-0.	-17.5	-0.	0.	0.	0.	0.
47	328.	0.	129.	0.	199.	0.	0.	0.	199.	0.	-0.	14.5	-0.	0.	0.	0.	0.
48	223.	0.	88.	0.	135.	0.	0.	0.	135.	0.	-0.	13.4	-0.	0.	0.	0.	0.
49	114.	0.	45.	0.	69.	0.	0.	0.	69.	0.	-0.	-10.4	-0.	0.	0.	0.	0.
50	-0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	-0.	-17.5	-0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

***** ECONOMIC COST CASE *****																
YR	CAPITAL INVESTMENTS				EXPENSES											
*****	*****				*****											
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS		
*****	*****	*****	*****	*****	*****	*****				*****				*****		
						FUEL	FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU	WITH	W=0	
						O&M	RECOVERY	FEED	SEP WK	SALES	PURCHASES	RECOVERY	SALES	PURCHASES	PU	PU
							O&M					O&M				
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	0.	33.97	33.97
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	0.	63.59	63.59
79	26.96	13.58	0.	40.54	44.86	3.88	2.30	1.31	0.	0.	0.	0.	0.	0.	92.89	92.89
80	34.26	18.11	0.	52.37	58.80	5.34	3.31	1.89	0.	0.	0.	0.	0.	0.	121.80	121.80
81	41.26	22.86	0.	64.13	72.24	6.89	4.37	2.73	0.	0.	0.	0.	0.	0.	150.35	150.35
82	48.00	27.80	0.	75.80	85.20	8.53	5.50	3.52	0.	0.	0.	0.	0.	0.	178.55	178.55
83	54.51	32.87	0.	87.38	97.69	10.26	6.70	4.38	0.	0.	0.	0.	0.	0.	206.41	206.41
84	60.82	38.06	0.	98.88	109.73	12.07	7.95	5.30	0.	0.	0.	0.	0.	0.	233.92	233.92
85	66.95	43.33	0.	110.28	121.31	13.98	9.26	6.28	0.	0.	0.	0.	0.	0.	261.11	261.11
86	72.94	48.68	0.	121.59	132.44	15.97	10.63	7.29	0.19	0.19	0.	0.	0.	0.	287.93	287.93
87	78.79	54.02	0.	132.81	143.14	18.09	11.81	8.23	0.39	0.39	0.	0.	0.	0.	314.08	314.08
88	84.53	59.39	0.	143.93	153.41	20.33	12.99	9.15	0.59	0.59	0.	0.	0.	0.	339.81	339.81
89	90.19	64.78	0.	154.94	163.28	22.70	14.18	10.07	0.79	0.79	0.	0.	0.	0.	365.17	365.17
90	95.76	70.10	0.	165.86	172.77	25.17	15.38	10.98	0.99	0.99	0.	0.	0.	0.	390.16	390.16
91	101.65	75.41	0.	177.06	181.89	27.70	16.78	11.98	1.27	1.27	0.	0.	0.	0.	415.41	415.41
92	107.62	80.54	0.	188.16	190.61	30.31	18.12	12.96	1.57	1.57	0.	0.	0.	0.	440.16	440.16
93	113.67	85.50	0.	199.17	198.98	32.97	19.46	13.93	1.87	1.87	0.	0.	0.	0.	464.51	464.51
94	119.70	90.40	0.	210.11	207.01	35.69	20.80	14.89	2.17	2.17	0.	0.	0.	0.	488.51	488.51
95	125.82	95.13	0.	220.95	214.71	38.46	22.13	15.86	2.48	2.48	0.	0.	0.	0.	512.10	512.10
96	132.02	99.67	0.	231.69	222.11	41.25	23.51	16.85	2.81	2.81	0.	0.	0.	0.	535.41	535.41
97	138.31	104.03	0.	242.34	229.24	44.05	24.85	17.83	3.16	3.16	0.	0.	0.	0.	558.31	558.31
98	144.67	108.22	0.	252.89	236.07	46.85	26.15	18.81	3.50	3.50	0.	0.	0.	0.	580.78	580.78
99	151.11	112.24	0.	263.35	242.64	49.65	27.43	19.79	3.84	3.84	0.	0.	0.	0.	602.85	602.85
00	157.62	116.09	0.	273.71	248.99	52.42	28.67	20.76	4.17	4.17	0.	0.	0.	0.	624.55	624.55
01	159.30	123.00	0.	282.31	254.83	55.26	30.28	21.90	4.51	4.51	0.	0.	0.	0.	644.58	644.58
02	161.02	130.07	0.	291.09	260.21	58.17	31.96	23.10	4.85	4.85	0.	0.	0.	0.	664.51	664.51
03	162.71	137.03	0.	299.75	265.16	61.11	33.67	24.33	5.20	5.20	0.	0.	0.	0.	684.01	684.01
04	164.39	143.90	0.	308.29	269.74	64.08	35.48	25.59	5.57	5.57	0.	0.	0.	0.	703.18	703.18
05	166.05	150.53	0.	316.59	273.91	67.06	37.28	26.94	5.95	5.95	0.	0.	0.	0.	721.78	721.78
06	167.70	157.09	0.	324.78	277.66	70.04	39.20	28.33	6.32	6.32	0.	0.	0.	0.	740.02	740.02
07	169.58	163.27	0.	332.85	281.16	73.02	41.12	29.70	6.70	6.70	0.	0.	0.	0.	757.85	757.85
08	171.23	168.70	0.	339.94	284.45	75.96	43.12	31.08	7.08	7.08	0.	0.	0.	0.	774.53	774.53
09	173.16	173.67	0.	346.83	287.58	78.85	45.17	32.45	7.45	7.46	0.	0.	0.	0.	790.88	790.88
10	175.05	178.54	0.	353.60	290.55	81.69	47.32	33.82	7.83	7.83	0.	0.	0.	0.	806.99	806.99
11	177.21	182.97	0.	360.18	293.42	84.47	49.53	35.19	8.20	8.20	0.	0.	0.	0.	822.79	822.79
12	179.32	187.32	0.	366.64	296.20	87.18	51.82	36.55	8.55	8.56	0.	0.	0.	0.	838.38	838.38
13	181.40	191.57	0.	372.97	298.87	89.84	54.24	37.90	8.91	8.91	0.	0.	0.	0.	853.83	853.83
14	183.44	195.75	0.	379.18	301.46	92.42	56.82	39.26	9.26	9.27	0.	0.	0.	0.	869.15	869.15
15	185.44	199.84	0.	385.28	303.97	94.94	59.55	40.61	9.61	9.62	0.	0.	0.	0.	884.37	884.37

A-135

															899.57	899.56
16	187.40	203.86	0.	391.25	306.40	97.40	62.58	41.96	9.96	9.97	0.	0.	0.	0.	915.00	914.99
17	189.33	207.79	0.	397.12	308.76	99.80	66.00	43.32	10.32	10.33	0.	0.	0.	0.	930.50	930.57
18	191.22	211.65	0.	402.87	311.05	102.13	69.84	44.67	10.70	10.71	0.	0.	0.	0.	946.33	946.31
19	193.07	215.44	0.	408.51	313.28	104.41	74.10	46.01	11.08	11.09	0.	0.	0.	0.	962.26	962.24
20	194.90	219.15	0.	414.05	315.45	106.62	78.77	47.34	11.46	11.48	0.	0.	0.	0.		
															971.42	971.41
21	194.90	219.15	0.	414.05	317.45	108.67	82.80	48.44	11.85	11.87	0.	0.	0.	0.	980.19	980.18
22	194.90	219.15	0.	414.05	319.28	110.57	86.82	49.46	12.22	12.24	0.	0.	0.	0.	988.41	988.39
23	194.90	219.15	0.	414.05	320.95	112.33	90.64	50.42	12.56	12.58	0.	0.	0.	0.	996.05	996.03
24	194.90	219.15	0.	414.05	322.48	113.95	94.23	51.32	12.87	12.88	0.	0.	0.	0.	1003.14	1003.13
25	194.90	219.15	0.	414.05	323.85	115.45	97.62	52.15	13.14	13.16	0.	0.	0.	0.		
															1009.68	1009.66
26	194.90	219.15	0.	414.05	325.09	116.83	100.76	52.93	13.38	13.40	0.	0.	0.	0.	1015.75	1015.73
27	194.90	219.15	0.	414.05	326.20	118.10	103.72	53.65	13.59	13.61	0.	0.	0.	0.	1021.36	1021.35
28	194.90	219.15	0.	414.05	327.18	119.28	106.52	54.32	13.78	13.80	0.	0.	0.	0.	1026.55	1026.54
29	194.90	219.15	0.	414.05	328.04	120.36	109.14	54.95	13.94	13.96	0.	0.	0.	0.	1031.33	1031.32
30	194.90	219.15	0.	414.05	328.78	121.35	111.61	55.53	14.09	14.11	0.	0.	0.	0.		
															1035.51	1035.49
31	194.90	219.15	0.	414.05	329.47	122.25	113.68	56.04	14.22	14.23	0.	0.	0.	0.	1039.28	1039.28
32	194.90	219.15	0.	414.05	330.13	123.05	115.54	56.50	14.32	14.33	0.	0.	0.	0.	1042.69	1042.67
33	194.90	219.15	0.	414.05	330.74	123.75	117.21	56.92	14.58	14.60	0.	0.	0.	0.	1045.72	1045.70
34	194.90	219.15	0.	414.05	331.32	124.36	118.68	57.30	15.04	15.05	0.	0.	0.	0.	1048.52	1048.51
35	194.90	219.15	0.	414.05	331.86	124.90	120.07	57.63	15.42	15.43	0.	0.	0.	0.		
															1051.01	1051.00
36	194.90	219.15	0.	414.05	332.36	125.38	121.28	57.92	15.73	15.75	0.	0.	0.	0.	1053.22	1053.20
37	194.90	219.15	0.	414.05	332.83	125.80	122.35	58.18	16.06	16.08	0.	0.	0.	0.	1055.18	1055.16
38	194.90	219.15	0.	414.05	333.26	126.16	123.28	58.40	16.43	16.45	0.	0.	0.	0.	1056.90	1056.88
39	194.90	219.15	0.	414.05	333.65	126.49	124.10	58.59	16.74	16.76	0.	0.	0.	0.	1058.40	1058.38
40	194.90	219.15	0.	414.05	334.00	126.77	124.80	58.76	16.99	17.01	0.	0.	0.	0.		
															1059.69	1059.67
A-136	41	194.90	219.15	0.	414.05	334.31	127.01	125.39	58.90	17.26	17.28	0.	0.	0.	1060.77	1060.76
	42	194.90	219.15	0.	414.05	334.58	127.22	125.89	59.02	17.56	17.58	0.	0.	0.	1061.67	1061.65
	43	194.90	219.15	0.	414.05	334.80	127.39	126.29	59.12	17.81	17.82	0.	0.	0.	1062.37	1062.36
	44	194.90	219.15	0.	414.05	334.99	127.54	126.59	59.20	18.01	18.03	0.	0.	0.	1062.91	1062.90
	45	194.90	219.15	0.	414.05	335.14	127.65	126.80	59.25	18.22	18.24	0.	0.	0.		
															1063.29	1063.28
	46	194.90	219.15	0.	414.05	335.26	127.74	126.94	59.29	18.46	18.48	0.	0.	0.	1063.53	1063.51
	47	194.90	219.15	0.	414.05	335.34	127.80	127.00	59.32	18.66	18.68	0.	0.	0.	1063.63	1063.62
	48	194.90	219.15	0.	414.05	335.40	127.84	127.00	59.32	18.82	18.84	0.	0.	0.	1063.68	1063.66
	49	194.90	219.15	0.	414.05	335.43	127.86	127.00	59.32	18.99	19.01	0.	0.	0.	1063.68	1063.66
	50	194.90	219.15	0.	414.05	335.43	127.86	127.00	59.32	19.18	19.20	0.	0.	0.		

DTA CALL1

INPUT EDITS

PAGE 1

CRD NO....1 (CASE # 5 , LWR , 4021 , PB AND NB - WITH RECYCLE)\$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO....4 IBTOPW = 2016 \$
 CRD NO....5 D1 = 2051.0 , LFYUIR = 2010 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003100
 00003110
 00003120
 00003130
 00003140

CRD NO....1 \$\$

00003150

NCCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	786.3	789.4	720.5	0.	1759.89	1615.28	1041.29
2	1066.9	664.1	560.2	0.	1678.42	1438.99	1041.29
3	1033.8	669.8	586.8	0.	1634.03	1460.46	1041.29
4	988.2	673.4	628.3	0.	1610.00	1472.52	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
***** (T H O U S A N D S O F M W) *****																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
A-138 96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	21.5	74.	12.9	294.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	13.6	751.	14.0	48.	0.	0.	14.0	48.	31.3	435.	26.2	99.	26.6	336.	0.	0.
02	1275.	14.7	749.	16.0	64.	0.	0.	16.0	64.	32.9	462.	27.9	104.	28.1	359.	0.	0.
03	1318.	15.4	749.	18.0	82.	0.	0.	18.0	82.	33.0	487.	29.9	109.	27.3	377.	0.	0.
04	1361.	16.2	750.	20.0	102.	0.	0.	20.0	102.	33.2	509.	31.7	116.	26.8	393.	0.	0.
05	1402.	17.0	746.	51.4	153.	0.2	0.	51.1	153.	0.	502.	33.3	123.	0.	380.	0.	0.
06	1444.	17.8	742.	53.8	207.	0.2	0.	53.6	207.	0.	495.	34.6	130.	0.	366.	0.	0.
07	1488.	21.6	740.	53.9	261.	0.2	1.	53.7	260.	0.	487.	34.7	134.	0.	353.	0.	0.
08	1535.	20.1	744.	50.1	311.	0.1	1.	49.9	310.	0.	480.	35.0	138.	0.	342.	0.	0.
09	1583.	24.9	752.	48.6	360.	0.	1.	48.8	359.	0.	472.	35.2	140.	0.	332.	0.	0.
10	1633.	25.9	760.	50.5	410.	0.1	0.	50.5	410.	0.	463.	35.5	140.	0.	322.	0.	0.
11	1685.	31.3	774.	48.7	459.	0.2	0.	48.7	458.	0.	453.	35.8	141.	0.	311.	0.	0.
12	1739.	32.5	788.	50.6	509.	0.1	0.	50.6	509.	0.	442.	35.1	141.	0.	300.	0.	0.
13	1795.	33.8	804.	52.6	562.	0.1	0.	52.5	561.	0.	430.	34.7	141.	0.5	289.	0.	0.
14	1853.	35.2	820.	54.6	617.	0.	0.	54.8	616.	0.	417.	34.2	140.	1.3	277.	0.	0.
15	1913.	36.6	837.	56.8	673.	0.	0.	56.9	673.	0.	403.	33.7	138.	1.9	265.	0.	0.
16	1983.	48.1	865.	0.	673.	0.	0.	0.1	673.	57.5	448.	33.2	136.	59.4	309.	0.	0.
17	2056.	50.0	894.	0.	673.	0.	0.	0.1	673.	59.7	489.	32.3	133.	62.2	355.	0.	0.
18	2131.	52.1	924.	0.	673.	0.	0.	0.	673.	62.0	534.	34.4	134.	61.8	400.	0.	0.
19	2209.	54.2	956.	0.	673.	0.	0.	0.	673.	64.5	580.	36.7	136.	61.5	444.	0.	0.
20	2290.	56.4	988.	0.	673.	0.	0.	0.	673.	67.0	628.	38.8	142.	61.4	486.	0.	0.
21	2243.	0.	962.	0.	673.	0.	0.	0.	673.	0.	608.	40.9	151.	0.	458.	0.	0.
22	2194.	0.	933.	0.	673.	0.	0.	0.	673.	0.	588.	42.7	159.	0.	429.	0.	0.
23	2142.	0.	902.	0.	673.	0.	0.	0.	673.	0.	567.	42.3	165.	0.	402.	0.	0.

24		0.	870.	0.	673.	0.	0.	0.	673.	0.	545.	41.9	168.	0.	377.	0.	0.
25	2031.	0.	835.	0.	672.	0.	0.	0.	672.	0.	523.	41.5	168.	0.	355.	0.	0.
26	1970.	0.	797.	0.	670.	0.	0.	0.	670.	0.	503.	41.2	167.	1.4	336.	0.	0.
27	1907.	0.	757.	0.	666.	0.	0.	0.	666.	0.	484.	41.0	166.	1.3	318.	0.	0.
28	1841.	0.	714.	0.	660.	0.	0.	0.	660.	0.	467.	39.7	164.	2.1	303.	0.	0.
29	1771.	0.	667.	0.	651.	0.	0.	0.	651.	0.	452.	38.6	161.	3.0	292.	0.	0.
30	1698.	0.	617.	0.	639.	0.	0.	0.	639.	0.	441.	37.6	157.	3.6	284.	0.	0.
31	1639.	0.	604.	0.	625.	0.	0.	0.	625.	0.	410.	36.9	153.	4.1	257.	0.	0.
32	1575.	0.	589.	0.	609.	0.	0.	0.	609.	0.	377.	36.3	149.	3.4	228.	0.	0.
33	1509.	0.	574.	0.	591.	0.	0.	0.	591.	0.	344.	34.2	145.	4.4	199.	0.	0.
34	1440.	0.	558.	0.	571.	0.	0.	0.	571.	0.	311.	32.0	139.	5.6	171.	0.	0.
35	1371.	0.	541.	0.	520.	0.	0.	0.	520.	0.	311.	30.0	133.	6.9	178.	0.	0.
36	1300.	0.	523.	0.	466.	0.	0.	0.	466.	0.	311.	28.1	124.	8.2	186.	0.	0.
37	1224.	0.	501.	0.	412.	0.	0.	0.	412.	0.	311.	28.2	118.	6.0	192.	0.	0.
38	1154.	0.	481.	0.	362.	0.	0.	0.	362.	0.	311.	27.6	114.	4.5	197.	0.	0.
39	1081.	0.	456.	0.	314.	0.	0.	0.	314.	0.	311.	26.8	111.	3.2	200.	0.	0.
40	1004.	0.	430.	0.	263.	0.	0.	0.	263.	0.	311.	26.0	109.	2.1	202.	0.	0.
41	924.	0.	399.	0.	215.	0.	0.	0.	215.	0.	311.	25.2	106.	3.0	205.	0.	0.
42	841.	0.	366.	0.	164.	0.	0.	0.	164.	0.	311.	25.3	103.	2.2	207.	0.	0.
43	765.	0.	333.	0.	111.	0.	0.	0.	111.	0.	311.	25.2	102.	1.6	209.	0.	0.
44	665.	0.	297.	0.	57.	0.	0.	0.	57.	0.	311.	24.9	101.	1.1	210.	0.	0.
45	572.	0.	261.	0.	-0.	0.	-0.	0.	0.	0.	311.	24.6	100.	0.6	211.	0.	0.
46	466.	0.	213.	0.	-0.	0.	-0.	0.	0.	0.	253.	24.2	99.	1.1	154.	0.	0.
47	356.	0.	163.	0.	-0.	0.	-0.	0.	0.	0.	194.	24.3	98.	0.8	96.	0.	0.
48	242.	0.	111.	0.	-0.	0.	-0.	0.	0.	0.	132.	21.2	94.	3.7	37.	0.	0.
49	123.	0.	56.	0.	-0.	0.	-0.	0.	0.	0.	67.	-2.8	67.	6.7	0.	0.	0.
50	-0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	-0.	-42.8	-0.	0.	0.	0.	0.

ECONOMIC COST CASE

[illegible]

17	190.35	206.88	0.	31	3.47	17.4	62.	41		97	0.	0.			
18	192.73	210.29	0.	397.22	308.97	99.84	66.60	43.16	10.36	10.37	0.	0.			
19	195.08	213.64	0.	403.03	311.48	102.21	70.81	44.39	10.82	10.84	0.	0.	0.	915.81	915.79
20	197.38	216.92	0.	408.72	313.98	104.54	75.40	45.59	11.34	11.36	0.	0.	0.	931.93	931.91
				414.31	316.48	106.83	80.35	46.75	11.91	11.93	0.	0.	0.	948.24	948.22
21	197.38	216.92	0.								0.	0.	0.	964.72	964.71
22	197.38	216.92	0.	414.31	318.78	108.96	84.22	47.73	12.54	12.56	0.	0.	0.		
23	197.38	216.92	0.	414.31	320.91	110.94	88.01	48.63	13.16	13.18	0.	0.	0.	974.01	974.00
24	197.38	216.92	0.	414.31	322.87	112.79	91.55	49.47	13.75	13.77	0.	0.	0.	982.82	982.80
25	197.38	216.92	0.	414.31	324.66	114.51	94.84	50.24	14.30	14.32	0.	0.	0.	991.01	990.99
				414.31	326.30	116.10	97.89	50.96	14.83	14.85	0.	0.	0.	998.58	998.56
26	197.38	216.92	0.								0.	0.	0.	1005.57	1005.55
27	197.38	216.92	0.	414.31	327.78	117.57	100.72	51.62	15.33	15.35	0.	0.	0.		
28	197.38	216.92	0.	414.31	329.12	118.93	103.37	52.23	15.78	15.80	0.	0.	0.	1012.01	1011.99
29	197.38	216.92	0.	414.31	330.32	120.18	105.86	52.80	16.21	16.23	0.	0.	0.	1017.97	1017.95
30	197.38	216.92	0.	414.31	331.38	121.34	108.19	53.32	16.60	16.62	0.	0.	0.	1023.48	1023.46
				414.31	332.32	122.41	110.38	53.81	16.97	16.99	0.	0.	0.	1028.56	1028.54
31	197.38	216.92	0.								0.	0.	0.	1033.25	1033.23
32	197.38	216.92	0.	414.31	333.21	123.38	112.19	54.23	17.31	17.33	0.	0.	0.		
33	197.38	216.92	0.	414.31	334.04	124.25	113.79	54.61	17.62	17.63	0.	0.	0.	1037.34	1037.32
34	197.38	216.92	0.	414.31	334.83	125.03	115.22	54.95	17.89	17.91	0.	0.	0.	1041.02	1041.01
35	197.38	216.92	0.	414.31	335.57	125.73	116.50	55.25	18.13	18.15	0.	0.	0.	1044.36	1044.34
				414.31	336.27	126.34	117.66	55.50	18.35	18.36	0.	0.	0.	1047.37	1047.35
36	197.38	216.92	0.								0.	0.	0.	1050.10	1050.08
37	197.38	216.92	0.	414.31	336.93	126.89	118.69	55.72	18.55	18.57	0.	0.	0.		
38	197.38	216.92	0.	414.31	337.54	127.37	119.56	55.91	18.74	18.76	0.	0.	0.	1052.55	1052.53
39	197.38	216.92	0.	414.31	338.11	127.80	120.32	56.07	18.92	18.93	0.	0.	0.	1054.71	1054.69
40	197.38	216.92	0.	414.31	338.64	128.18	120.96	56.21	19.08	19.09	0.	0.	0.	1056.62	1056.60
				414.31	339.12	128.51	121.48	56.32	19.22	19.24	0.	0.	0.	1058.30	1058.28
41	197.38	216.92	0.								0.	0.	0.	1059.75	1059.73
42	197.38	216.92	0.	414.31	339.55	128.80	121.93	56.41	19.36	19.38	0.	0.	0.		
43	197.38	216.92	0.	414.31	339.93	129.05	122.28	56.48	19.50	19.51	0.	0.	0.	1061.01	1060.99
44	197.38	216.92	0.	414.31	340.27	129.26	122.54	56.53	19.62	19.64	0.	0.	0.	1062.06	1062.04
45	197.38	216.92	0.	414.31	340.56	129.44	122.71	56.56	19.73	19.75	0.	0.	0.	1062.92	1062.90
				414.31	340.82	129.59	122.80	56.58	19.84	19.86	0.	0.	0.	1063.60	1063.58
46	197.38	216.92	0.								0.	0.	0.	1064.12	1064.10
47	197.38	216.92	0.	414.31	341.01	129.71	122.80	56.59	19.94	19.96	0.	0.	0.		
48	197.38	216.92	0.	414.31	341.16	129.80	122.80	56.59	20.03	20.04	0.	0.	0.	1064.44	1064.42
49	197.38	216.92	0.	414.31	341.25	129.87	122.80	56.59	20.09	20.11	0.	0.	0.	1064.68	1064.66
50	197.38	216.92	0.	414.31	341.30	129.90	122.80	56.59	20.22	20.23	0.	0.	0.	1064.84	1064.82
											0.	0.	0.	1064.91	1064.90
											0.	0.	0.	1064.91	1064.90

6542T 02 03-10-79 04.808

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 6 , LWR , 4021 , PB AND PBTBR - WITH RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 PURCIN = 1.0 , PURCDC = 1.0 \$
 CRD NO....4 GCRLIM(1) = 1.14, 2.29, 4.57, 6.86, 10.29, 13.71, 16., 18.29, 20.57, 22.86 \$
 CRD NO....5 FBRLIM(1) = 1.14, 2.29, 4.57, 6.86, 10.29, 13.71, 16., 18.29, 20.57, 22.86 \$
 CRD NO....6 IBTOPW = 2010 \$
 CRD NO....7 D1 = 2010.0 , LFYUIR = 2010 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003170
 00003180
 00003190
 00003200
 00003210
 00003220
 00003230

CRD NO....1 \$\$

00003240

NCCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	800.7	380.6	1142.3	0.4	1795.23	1640.76	1041.29
2	1233.1	354.0	631.7	1.6	1653.98	1886.35	1041.29
3	1062.2	354.0	802.6	1.6	1588.47	1827.12	1041.29
4	1035.1	357.3	825.9	1.6	1551.74	1803.96	1041.29
5	1029.2	359.7	829.0	1.6	1529.26	1792.34	1041.29

	THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
***** (T H O U S A N D S O F M W) *****																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
A-143 97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	21.5	74.	12.9	294.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	13.6	751.	14.0	48.	0.	0.	14.0	48.	31.3	435.	26.2	99.	26.6	336.	0.	0.
02	1275.	14.7	749.	16.0	64.	0.	0.	16.0	64.	32.9	462.	27.9	104.	28.1	359.	0.	0.
03	1318.	15.4	749.	18.0	82.	0.	0.	18.0	82.	33.0	487.	29.9	109.	27.3	377.	0.	0.
04	1361.	16.2	750.	20.0	102.	0.	0.	20.0	102.	33.2	509.	31.7	116.	26.8	393.	0.	0.
05	1402.	17.0	746.	51.4	153.	0.0	0.	51.4	153.	0.	502.	33.3	123.	0.	380.	0.	0.
06	1444.	17.8	742.	53.8	207.	0.0	0.	53.8	207.	0.	495.	34.6	130.	0.	366.	0.	0.
07	1488.	21.6	740.	53.9	261.	0.0	0.	53.9	261.	0.	487.	34.7	134.	0.	353.	0.	0.
08	1535.	20.1	744.	50.1	311.	0.0	0.	50.1	311.	0.	480.	35.0	138.	0.	342.	0.	0.
09	1583.	24.9	752.	48.6	360.	0.	0.	48.6	360.	0.	472.	35.2	140.	0.	332.	0.	0.
10	1639.	30.0	764.	0.	360.	0.	0.	0.0	360.	52.4	515.	35.5	140.	51.5	375.	0.1	0.
11	1696.	31.3	778.	0.	360.	0.	0.	0.0	360.	53.3	558.	35.6	141.	52.5	417.	0.1	0.
12	1753.	32.5	792.	0.	360.	0.	0.	0.0	360.	53.2	601.	37.9	144.	50.3	456.	0.1	0.
13	1810.	33.8	808.	0.	360.	0.	0.	0.	360.	53.2	642.	40.4	149.	48.1	492.	0.1	1.
14	1865.	35.2	824.	0.	360.	0.	0.	0.	360.	52.1	681.	42.6	157.	45.0	524.	0.0	1.
15	1920.	36.6	841.	0.	360.	0.	0.	0.	360.	51.2	718.	44.7	166.	42.1	552.	0.2	1.
16	1974.	63.5	884.	0.	360.	0.	0.	0.	360.	26.0	729.	46.5	174.	17.5	555.	0.2	1.
17	2029.	53.9	917.	0.	360.	0.	0.	0.	360.	37.5	751.	49.2	183.	28.7	568.	0.2	1.
18	2084.	54.5	950.	0.	360.	0.	0.	0.	360.	39.1	773.	50.6	191.	31.1	582.	0.2	1.
19	2139.	55.1	982.	0.	360.	0.	0.	0.	360.	40.7	795.	52.4	199.	33.0	597.	0.1	2.
20	2220.	70.7	1029.	0.	360.	0.	0.	0.	360.	52.7	829.	54.2	206.	44.9	623.	0.1	2.
21	2173.	0.	1003.	0.	360.	0.0	0.	0.	360.	0.	809.	55.9	213.	0.	596.	0.	2.
22	2124.	0.	974.	0.	360.	0.0	0.	0.	360.	0.	789.	58.7	221.	0.	567.	0.	2.
23	2072.	0.	943.	0.	360.	0.0	0.	0.	360.	0.	768.	58.0	227.	0.	541.	0.	2.

24	2018.	0.	911.	0.	360.	0.0	0.	0.	360.	0.	746.	57.4	230.	0.	516.	0.	2.
25	1960.	0.	876.	0.	359.	0.0	0.	0.0	359.	0.	724.	56.9	231.	0.	493.	0.	2.
26	1900.	0.	838.	0.	357.	0.0	0.	0.	357.	0.	703.	56.4	229.	2.3	475.	0.	2.
27	1837.	0.	798.	0.	353.	0.0	0.	0.	353.	0.	685.	56.6	227.	1.3	457.	0.	2.
28	1770.	0.	755.	0.	347.	0.0	0.	0.	347.	0.	667.	55.3	225.	2.1	442.	0.	2.
29	1701.	0.	708.	0.	338.	0.0	0.	0.	338.	0.	653.	54.0	222.	2.9	431.	0.	2.
30	1628.	0.	659.	0.	326.	0.0	0.	0.0	326.	0.	642.	53.0	219.	3.5	423.	0.	2.
31	1569.	0.	645.	0.	312.	0.0	0.	0.	312.	0.	611.	52.1	214.	4.5	396.	0.	2.
32	1505.	0.	630.	0.	296.	0.0	0.	0.	296.	0.	578.	51.8	211.	3.5	367.	0.	2.
33	1439.	0.	615.	0.	278.	0.0	0.	0.	278.	0.	545.	49.7	207.	4.4	338.	0.	2.
34	1369.	0.	599.	0.	258.	0.0	0.	0.	258.	0.	511.	47.4	201.	5.5	310.	0.	2.
35	1301.	0.	582.	0.	206.	0.0	0.	0.0	206.	0.	511.	45.4	194.	6.8	317.	0.	2.
36	1229.	0.	564.	0.	153.	0.0	0.	0.0	153.	0.	511.	43.4	186.	8.4	326.	0.	2.
37	1154.	0.	542.	0.	99.	0.0	0.	0.0	99.	0.	511.	43.6	180.	6.0	332.	0.	2.
38	1084.	0.	522.	0.	49.	0.0	0.	0.0	49.	0.	511.	43.0	175.	4.5	336.	0.	2.
39	1010.	0.	497.	0.	0.	0.	0.	0.	0.	0.	511.	42.2	172.	3.2	339.	0.	2.
40	928.	0.	467.	0.	0.	0.	0.	0.	0.	0.	459.	41.3	170.	2.1	289.	0.	1.
41	843.	0.	436.	0.	0.	0.	0.	0.	0.	0.	406.	40.5	167.	3.1	239.	0.	1.
42	767.	0.	403.	0.	0.	0.0	0.	0.	0.	0.	353.	37.9	162.	5.1	191.	0.	1.
43	670.	0.	370.	0.	0.	0.	0.	0.	0.	0.	299.	34.9	155.	7.3	145.	0.	1.
44	583.	0.	334.	0.	0.	0.	0.	0.	0.	0.	247.	31.9	145.	9.5	102.	0.	1.
45	495.	0.	298.	0.	0.	0.	0.	0.	0.	0.	196.	29.0	134.	11.5	62.	0.	1.
46	405.	0.	234.	0.	0.	0.0	0.	0.	0.	0.	170.	26.3	122.	11.7	48.	0.	1.
47	313.	0.	180.	0.	0.	0.	0.	0.	0.	0.	132.	22.8	110.	12.1	23.	0.	0.
48	219.	0.	126.	0.	0.	0.	0.	0.	0.	0.	93.	15.3	93.	11.4	0.	0.	0.
49	123.	0.	71.	0.	0.	0.	0.	0.	0.	0.	53.	-11.8	53.	6.3	0.	0.	0.
50	0.	0.	0.	0.	0.	0.0	0.	0.	0.	0.	-0.	-26.4	-0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

***** ECONOMIC COST CASE *****																
YR	CAPITAL INVESTMENTS				EXPENSES											
**	*****				*****											
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS		
	*****	*****	*****	*****	*****	*****				*****				*****		
						FUEL	FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU			
						O&M	RECOVERY	FEED	SEP	WK	SALES	PURCHASES	RECOVERY	SALES	PURCHASES	
						O&M	O&M						O&M			
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	0.	0.	
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	0.	0.	
79	26.96	13.58	0.	40.54	44.86	3.88	2.30	1.31	0.	0.	0.	0.	0.	0.	0.	
80	34.26	18.11	0.	52.37	58.80	5.34	3.31	1.99	0.	0.	0.	0.	0.	0.	0.	
81	41.26	22.86	0.	64.13	72.24	6.89	4.37	2.73	0.	0.	0.	0.	0.	0.	0.	
82	48.00	27.80	0.	75.80	85.20	8.53	5.50	3.52	0.	0.	0.	0.	0.	0.	0.	
83	54.51	32.87	0.	87.38	97.69	10.26	6.70	4.38	0.	0.	0.	0.	0.	0.	0.	
84	60.82	38.06	0.	98.88	109.73	12.07	7.95	5.30	0.	0.	0.	0.	0.	0.	0.	
85	66.95	43.33	0.	110.28	121.31	13.98	9.26	6.28	0.	0.	0.	0.	0.	0.	0.	
86	72.94	48.66	0.	121.59	132.44	15.97	10.63	7.29	0.19	0.19	0.	0.	0.	0.	0.	
87	78.79	54.02	0.	132.81	143.14	18.09	11.81	8.23	0.39	0.39	0.	0.	0.	0.	0.	
88	84.53	59.39	0.	143.93	153.41	20.33	12.99	9.15	0.59	0.59	0.	0.	0.	0.	0.	
89	90.19	64.76	0.	154.94	163.28	22.70	14.18	10.07	0.79	0.79	0.	0.	0.	0.	0.	
90	95.76	70.10	0.	165.86	172.77	25.17	15.38	10.98	0.99	0.99	0.	0.	0.	0.	0.	
91	101.65	75.41	0.	177.06	181.89	27.70	16.78	11.98	1.27	1.27	0.	0.	0.	0.	0.	
92	107.62	80.54	0.	188.16	190.61	30.31	18.12	12.96	1.57	1.57	0.	0.	0.	0.	0.	
93	113.67	85.50	0.	199.17	198.98	32.97	19.46	13.93	1.87	1.87	0.	0.	0.	0.	0.	
94	119.70	90.40	0.	210.11	207.01	35.69	20.80	14.89	2.17	2.17	0.	0.	0.	0.	0.	
95	125.82	95.13	0.	220.95	214.71	38.46	22.13	15.86	2.48	2.48	0.	0.	0.	0.	0.	
96	132.02	99.67	0.	231.69	222.11	41.25	23.51	16.85	2.81	2.81	0.	0.	0.	0.	0.	
97	138.31	104.03	0.	242.34	229.24	44.05	24.85	17.83	3.16	3.16	0.	0.	0.	0.	0.	
98	144.67	108.22	0.	252.89	236.07	46.85	26.15	18.81	3.50	3.50	0.	0.	0.	0.	0.	
99	151.11	112.24	0.	263.35	242.64	49.65	27.43	19.79	3.84	3.84	0.	0.	0.	0.	0.	
00	157.62	116.09	0.	273.71	248.99	52.42	28.67	20.76	4.17	4.17	0.	0.	0.	0.	0.	
01	159.30	123.00	0.	282.31	254.83	55.26	30.28	21.90	4.51	4.51	0.	0.	0.	0.	0.	
02	161.02	130.07	0.	291.09	260.21	58.17	31.96	23.10	4.85	4.85	0.	0.	0.	0.	0.	
03	162.71	137.03	0.	299.75	265.16	61.11	33.67	24.33	5.20	5.20	0.	0.	0.	0.	0.	
04	164.39	143.90	0.	308.29	269.74	64.08	35.48	25.59	5.57	5.57	0.	0.	0.	0.	0.	
05	166.05	150.53	0.	316.59	273.91	67.06	37.29	26.94	5.95	5.95	0.	0.	0.	0.	0.	
06	167.70	157.09	0.	324.78	277.66	70.04	39.21	28.33	6.32	6.32	0.	0.	0.	0.	0.	
07	169.58	163.27	0.	332.85	281.16	73.02	41.13	29.71	6.71	6.71	0.	0.	0.	0.	0.	
08	171.23	168.70	0.	339.94	284.45	75.96	43.12	31.08	7.08	7.08	0.	0.	0.	0.	0.	
09	173.16	173.67	0.	346.83	287.58	78.85	45.17	32.45	7.46	7.46	0.	0.	0.	0.	0.	
10	175.36	178.27	0.01	353.64	290.59	81.72	47.57	33.75	7.47	7.83	0.00	0.	0.00	0.01	0.01	
11	177.51	182.68	0.03	360.22	293.51	84.56	50.07	35.04	7.47	8.23	0.00	0.00	0.00	0.02	0.02	
12	179.63	186.84	0.04	366.50	296.35	87.35	52.64	36.29	7.48	8.65	0.00	0.00	0.00	0.02	0.02	
13	181.70	190.76	0.05	372.51	299.13	90.11	55.30	37.50	7.48	9.10	0.01	0.00	0.00	0.02	0.02	
14	183.74	194.38	0.05	378.17	301.85	92.82	58.04	38.67	7.49	9.58	0.01	0.00	0.00	0.03	0.03	
15	185.74	197.73	0.07	383.54	304.55	95.47	60.86	39.80	7.49	10.08	0.01	0.01	0.00	0.04	0.04	

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16	189.01	199.34	0.08	388.43	307.39	98.01	63.51	40.81	7.50	10.65	0.02	0.01	0.05	901.35	898.17
17	191.63	201.53	0.09	393.26	310.31	100.46	66.58	41.81	7.51	11.25	0.02	0.01	0.06	916.23	912.44
18	194.13	203.68	0.11	397.92	313.30	102.83	69.87	42.77	7.61	11.90	0.03	0.01	0.06	931.16	928.72
19	196.52	205.79	0.11	402.42	316.37	105.11	73.35	43.70	7.51	12.61	0.03	0.02	0.06	946.12	940.98
20	199.40	208.37	0.12	407.89	319.48	107.33	77.20	44.61	7.51	13.36	0.04	0.02	0.06	962.43	956.54
21	199.40	208.37	0.12	407.89	322.36	109.39	80.24	45.37	7.51	14.16	0.04	0.02	0.06	972.00	965.30
22	199.40	208.37	0.12	407.89	325.04	111.32	83.21	46.07	7.51	14.97	0.05	0.03	0.06	981.08	973.59
23	199.40	208.37	0.12	407.89	327.53	113.11	86.06	46.72	7.51	15.76	0.05	0.03	0.06	989.65	981.36
24	199.40	208.37	0.12	407.89	329.83	114.77	88.71	47.32	7.51	16.51	0.05	0.03	0.06	997.61	988.57
25	199.40	208.37	0.12	407.89	331.94	116.31	91.17	47.87	7.51	17.23	0.06	0.03	0.06	1004.98	995.24
26	199.40	208.37	0.12	407.89	333.89	117.73	93.44	48.37	7.51	17.90	0.06	0.03	0.06	1011.80	1001.38
27	199.40	208.37	0.12	407.89	335.67	119.04	95.56	48.84	7.51	18.53	0.06	0.04	0.06	1018.10	1007.05
28	199.40	208.37	0.12	407.89	337.29	120.25	97.53	49.26	7.52	19.12	0.07	0.04	0.06	1023.92	1012.29
29	199.40	208.37	0.12	407.89	338.76	121.37	99.37	49.65	7.52	19.66	0.07	0.04	0.06	1029.29	1017.12
30	199.40	208.37	0.12	407.89	340.10	122.40	101.09	50.01	7.52	20.17	0.07	0.04	0.06	1034.24	1021.57
31	199.40	208.37	0.12	407.89	341.36	123.33	102.46	50.32	7.53	20.66	0.08	0.04	0.06	1038.60	1025.45
32	199.40	208.37	0.12	407.89	342.56	124.17	103.65	50.59	7.53	21.09	0.08	0.04	0.06	1042.52	1028.94
33	199.40	208.37	0.12	407.89	343.69	124.92	104.68	50.82	7.53	21.49	0.08	0.04	0.06	1046.06	1032.09
34	199.40	208.37	0.12	407.89	344.77	125.58	105.58	51.02	7.53	21.85	0.08	0.05	0.06	1049.26	1034.02
35	199.40	208.37	0.12	407.89	345.79	126.17	106.38	51.18	7.53	22.18	0.09	0.05	0.06	1052.16	1037.50
36	199.40	208.37	0.12	407.89	346.75	126.69	107.07	51.32	7.54	22.49	0.09	0.05	0.06	1054.77	1039.81
37	199.40	208.37	0.12	407.89	347.66	127.14	107.63	51.42	7.54	22.78	0.09	0.05	0.06	1057.08	1041.83
38	199.40	208.37	0.12	407.89	348.51	127.55	108.08	51.50	7.54	23.04	0.09	0.05	0.06	1059.14	1043.63
39	199.40	208.37	0.12	407.89	349.31	127.90	108.44	51.56	7.54	23.29	0.09	0.05	0.06	1060.96	1045.20
40	199.40	208.37	0.12	407.89	350.04	128.20	108.62	51.61	7.54	23.52	0.09	0.05	0.06	1062.45	1046.47
41	199.40	208.37	0.12	407.89	350.71	128.46	108.73	51.65	7.55	23.72	0.10	0.06	0.06	1063.72	1047.54
42	199.40	208.37	0.12	407.89	351.31	128.68	108.79	51.68	7.55	23.90	0.10	0.06	0.06	1064.80	1048.45
43	199.40	208.37	0.12	407.89	351.85	128.86	108.82	51.70	7.55	24.05	0.10	0.06	0.06	1065.71	1049.21
44	199.40	208.37	0.12	407.89	352.32	129.00	108.83	51.71	7.55	24.18	0.10	0.06	0.06	1066.48	1049.85
45	199.40	208.37	0.12	407.89	352.73	129.11	108.83	51.71	7.55	24.29	0.10	0.06	0.06	1067.11	1050.37
46	199.40	208.37	0.12	407.89	353.03	129.20	108.88	51.72	7.56	24.38	0.10	0.07	0.06	1067.65	1050.83
47	199.40	208.37	0.12	407.89	353.25	129.27	108.88	51.72	7.57	24.46	0.10	0.07	0.06	1068.01	1051.12
48	199.40	208.37	0.12	407.89	353.39	129.32	108.88	51.72	7.58	24.54	0.10	0.07	0.06	1068.27	1051.31
49	199.40	208.37	0.12	407.89	353.45	129.35	108.88	51.72	7.58	24.70	0.10	0.07	0.06	1068.51	1051.40
50	199.40	208.37	0.12	407.89	353.45	129.35	108.88	51.72	7.87	24.98	0.10	0.07	0.06	1068.50	1051.40

START OF CASE (
DTA CALL NO....15

110877
INPUT EDITS

CRD NO....1 (CASE # 7 , LWR AND HTGR-OC -- NO REPROCESSING) \$
CRD NO....2 A1 = 0.0 \$
CRD NO....3 D1 = 2051.0 , IBTOPW = 1977 \$
CRD NO....4 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 \$
CRD NO....5 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 \$
CRD NO....6 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 \$
CRD NO....7 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 \$
CRD NO....8 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 \$
CRD NO....9 UIRREC(30) = 0.475 , UIRREC(121) = 0.475 \$
CRD NO...10 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 \$
CRD NO...11 LFYUIR = 2051 , LFYPUR = 2051 \$
CRD NO...12 GCRSFI = 0.0 , CGUINV = 0.0 \$
CRD NO...13 EPNOUT(3) = 0.002 \$
CRD NO...14 CBUINV = 0.0 , CPUINV = 0.0 \$
CRD NO...15 PWSFI = 0.0 \$
CRD NO...16 SPECIF(1) = 1710. , 1710. \$
CRD NO...17 BUPRLD(1) = 1161111. , 1161111. \$
CRD NO...18 EFFICY(1) = .38 , .38 \$
CRD NO...19 PWRPUP(40) = 0.0 , PWRPUP(121) = 0.0 \$
CRD NO...20 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
CRD NO...21 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
CRD NO...22 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
CRD NO...23 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
CRD NO...24 EPNINT(1) = .93 , .93 \$
CRD NO...25 EPNRLD(1) = .93 , .93 \$
CRD NO...26 EPNOUT(1) = .002 , .002 \$
CRD NO...27 PWRFAB(30) = 1.08075 , PWRFAB(121) = 1.08075 \$
CRD NO...28 BWRREC(30) = 0.120 , BWRREC(121) = 0.120 \$

00003260
00003270
00003280
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CRD NO...29 RL21 = 0.70 , RL31 = 0.70 \$\$
DTA CALL NO....16 INPUT EDITS

00003540

CRD NO....1 \$\$

00003550

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	988.3	34.0	1363.7	0.	2005.62	2557.07	1041.29
2	1596.6	34.0	755.4	0.	1959.51	2409.02	1041.29
3	1544.5	34.0	807.5	0.	1934.19	2426.42	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.8	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	0.	0.	16.0	171.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	0.	0.	17.0	188.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	0.	0.	18.0	206.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	0.	0.	19.0	225.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	0.	0.	20.0	244.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	0.	0.	20.5	265.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	0.	0.	21.0	286.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	0.	0.	22.0	308.	0.	0.
95	940.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.5	329.	0.	0.	21.5	329.	0.	0.
96	987.	37.5	633.	2.0	3.	0.	0.	2.0	3.	21.0	350.	0.	0.	21.0	350.	0.	0.
97	1036.	40.3	660.	4.0	7.	0.	0.	4.0	7.	19.5	369.	0.	0.	19.5	369.	0.	0.
98	1088.	43.3	688.	6.0	13.	0.	0.	6.0	13.	18.0	387.	0.	0.	18.0	387.	0.	0.
99	1142.	46.4	718.	9.0	22.	0.	0.	9.0	22.	15.5	401.	0.	0.	15.5	401.	0.	0.
00	1199.	49.8	753.	12.0	34.	0.	0.	12.0	34.	13.0	412.	0.	0.	13.0	412.	0.	0.
01	1241.	21.7	759.	0.	34.	0.	0.	0.	34.	39.1	448.	0.	0.	39.1	448.	0.	0.
02	1266.	23.5	766.	0.	34.	0.	0.	0.	34.	42.4	485.	0.	0.	42.4	485.	0.	0.
03	1330.	24.7	775.	0.	34.	0.	0.	0.	34.	44.4	520.	0.	0.	44.4	520.	0.	0.
04	1376.	25.8	786.	0.	34.	0.	0.	0.	34.	46.4	555.	0.	0.	46.4	555.	0.	0.
05	1424.	27.1	792.	0.	34.	0.	0.	0.	34.	48.6	598.	0.	0.	48.6	598.	0.	0.
06	1474.	35.7	806.	0.	34.	0.	0.	0.	34.	43.6	634.	0.	0.	43.6	634.	0.	0.
07	1526.	37.4	820.	0.	34.	0.	0.	0.	34.	45.7	672.	0.	0.	45.7	672.	0.	0.
08	1579.	49.5	853.	0.	34.	0.	0.	0.	34.	27.9	692.	0.	0.	27.9	692.	0.	0.
09	1634.	51.5	887.	0.	34.	0.	0.	0.	34.	28.9	713.	0.	0.	28.9	713.	0.	0.
10	1691.	53.6	923.	0.	34.	0.	0.	0.	34.	30.0	734.	0.	0.	30.0	734.	0.	0.
11	1751.	55.8	962.	0.	34.	0.	0.	0.	34.	31.1	755.	0.	0.	31.1	755.	0.	0.
12	1812.	64.7	1008.	0.	34.	0.	0.	0.	34.	25.6	770.	0.	0.	25.6	770.	0.	0.
13	1875.	76.3	1066.	0.	34.	0.	0.	0.	34.	17.6	775.	0.	0.	17.6	775.	0.	0.
14	1941.	79.3	1126.	0.	34.	0.	0.	0.	34.	18.3	781.	0.	0.	18.3	781.	0.	0.
15	2009.	82.5	1189.	0.	34.	0.	0.	0.	34.	19.0	786.	0.	0.	19.0	786.	0.	0.
16	2079.	85.8	1255.	0.	34.	0.	0.	0.	34.	19.8	790.	0.	0.	19.8	790.	0.	0.
17	2152.	89.2	1323.	0.	34.	0.	0.	0.	34.	20.5	795.	0.	0.	20.5	795.	0.	0.
18	2227.	92.8	1394.	0.	34.	0.	0.	0.	34.	21.3	799.	0.	0.	21.3	799.	0.	0.
19	2305.	96.5	1468.	0.	34.	0.	0.	0.	34.	22.2	803.	0.	0.	22.2	803.	0.	0.
20	2386.	100.4	1545.	0.	34.	0.	0.	0.	34.	23.0	808.	0.	0.	23.0	808.	0.	0.
21	2339.	0.	1518.	0.	34.	0.	0.	0.	34.	0.	788.	0.	0.	0.	788.	0.	0.
22	2290.	0.	1489.	0.	34.	0.	0.	0.	34.	0.	767.	0.	0.	0.	767.	0.	0.
23	2239.	0.	1459.	0.	34.	0.	0.	0.	34.	0.	746.	0.	0.	0.	746.	0.	0.

24	2184.	0.	1426.	0.	34.	0.	0.	0.	34.	0.	724.	0.	0.	0.	724.	0.	0.
25	2127.	0.	1391.	0.	33.	0.	0.	0.	33.	0.	703.	0.	0.	0.	703.	0.	0.
26	2066.	0.	1354.	0.	31.	0.	0.	0.	31.	0.	682.	0.	0.	0.	682.	0.	0.
27	2002.	0.	1313.	0.	27.	0.	0.	0.	27.	0.	662.	0.	0.	0.	662.	0.	0.
28	1935.	0.	1270.	0.	21.	0.	0.	0.	21.	0.	644.	0.	0.	0.	644.	0.	0.
29	1864.	0.	1224.	0.	12.	0.	0.	0.	12.	0.	629.	0.	0.	0.	629.	0.	0.
30	1789.	0.	1174.	0.	0.	0.	0.	0.	0.	0.	616.	0.	0.	0.	616.	0.	0.
31	1728.	0.	1152.	0.	0.	0.	0.	0.	0.	0.	576.	0.	0.	0.	576.	0.	0.
32	1663.	0.	1129.	0.	0.	0.	0.	0.	0.	0.	534.	0.	0.	0.	534.	0.	0.
33	1594.	0.	1104.	0.	0.	0.	0.	0.	0.	0.	490.	0.	0.	0.	490.	0.	0.
34	1521.	0.	1078.	0.	0.	0.	0.	0.	0.	0.	443.	0.	0.	0.	443.	0.	0.
35	1446.	0.	1051.	0.	0.	0.	0.	0.	0.	0.	395.	0.	0.	0.	395.	0.	0.
36	1366.	0.	1018.	0.	0.	0.	0.	0.	0.	0.	351.	0.	0.	0.	351.	0.	0.
37	1283.	0.	978.	0.	0.	0.	0.	0.	0.	0.	305.	0.	0.	0.	305.	0.	0.
38	1206.	0.	928.	0.	0.	0.	0.	0.	0.	0.	277.	0.	0.	0.	277.	0.	0.
39	1125.	0.	877.	0.	0.	0.	0.	0.	0.	0.	248.	0.	0.	0.	248.	0.	0.
40	1042.	0.	823.	0.	0.	0.	0.	0.	0.	0.	219.	0.	0.	0.	219.	0.	0.
41	955.	0.	767.	0.	0.	0.	0.	0.	0.	0.	187.	0.	0.	0.	187.	0.	0.
42	865.	0.	703.	0.	0.	0.	0.	0.	0.	0.	162.	0.	0.	0.	162.	0.	0.
43	771.	0.	627.	0.	0.	0.	0.	0.	0.	0.	144.	0.	0.	0.	144.	0.	0.
44	673.	0.	547.	0.	0.	0.	0.	0.	0.	0.	126.	0.	0.	0.	126.	0.	0.
45	572.	0.	465.	0.	0.	0.	0.	0.	0.	0.	107.	0.	0.	0.	107.	0.	0.
46	466.	0.	379.	0.	0.	0.	0.	0.	0.	0.	87.	0.	0.	0.	87.	0.	0.
47	356.	0.	290.	0.	0.	0.	0.	0.	0.	0.	67.	0.	0.	0.	67.	0.	0.
48	242.	0.	197.	0.	0.	0.	0.	0.	0.	0.	45.	0.	0.	0.	45.	0.	0.
49	123.	0.	100.	0.	0.	0.	0.	0.	0.	0.	23.	0.	0.	0.	23.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.	-0.0	-0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES										TOTALS	
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR				FBR						
						FUEL O&M	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES		
77	11.45	8.18	0.	16.63	15.47	1.04	0.47	0.18	0.	0.	0.	0.	0.	0.	33.79	33.79
78	19.44	9.17	0.	28.61	30.43	2.15	1.49	0.71	0.	0.	0.	0.	0.	0.	63.38	63.38
79	26.96	13.58	0.	40.54	44.87	3.33	2.60	1.32	0.	0.	0.	0.	0.	0.	92.65	92.65
80	34.26	18.11	0.	52.37	58.81	4.58	3.77	2.01	0.	0.	0.	0.	0.	0.	121.64	121.64
81	41.26	22.86	0.	64.13	72.25	5.91	5.03	2.75	0.	0.	0.	0.	0.	0.	150.07	150.07
82	48.00	27.80	0.	75.80	85.22	7.31	6.36	3.56	0.	0.	0.	0.	0.	0.	178.25	178.25
83	54.61	32.87	0.	87.38	97.71	8.80	7.76	4.43	0.	0.	0.	0.	0.	0.	206.08	206.08
84	60.82	38.06	0.	98.88	109.74	10.36	9.25	5.37	0.	0.	0.	0.	0.	0.	233.59	233.59
85	66.95	43.33	0.	110.28	121.33	12.00	10.81	6.36	0.	0.	0.	0.	0.	0.	260.78	260.78
86	72.94	48.66	0.	121.59	132.49	13.70	12.44	7.40	0.	0.	0.	0.	0.	0.	287.63	287.63
87	78.79	54.02	0.	132.81	143.24	15.48	14.15	8.47	0.	0.	0.	0.	0.	0.	314.15	314.15
88	84.63	59.39	0.	143.93	153.56	17.32	15.94	9.57	0.	0.	0.	0.	0.	0.	340.33	340.33
89	90.19	64.76	0.	154.94	163.48	19.23	17.80	10.71	0.	0.	0.	0.	0.	0.	366.16	366.16
90	95.76	70.10	0.	165.86	173.02	21.19	19.74	11.87	0.	0.	0.	0.	0.	0.	391.68	391.68
91	101.65	75.41	0.	177.06	182.17	23.20	21.74	13.06	0.	0.	0.	0.	0.	0.	417.24	417.24
92	107.62	80.64	0.	188.16	190.97	25.26	23.79	14.27	0.	0.	0.	0.	0.	0.	442.45	442.45
93	113.67	85.50	0.	199.17	199.43	27.35	25.86	15.49	0.	0.	0.	0.	0.	0.	467.31	467.31
94	119.70	90.40	0.	210.11	207.67	29.48	27.98	16.72	0.	0.	0.	0.	0.	0.	491.86	491.86
95	125.82	95.16	0.	220.98	216.42	31.64	30.11	17.97	0.	0.	0.	0.	0.	0.	516.10	516.10
96	132.02	99.76	0.	231.78	222.98	33.82	32.25	19.22	0.	0.	0.	0.	0.	0.	540.05	540.05
97	138.31	104.23	0.	242.53	230.33	36.01	34.40	20.49	0.	0.	0.	0.	0.	0.	563.77	563.77
98	144.67	108.57	0.	253.24	237.46	38.24	36.55	21.76	0.	0.	0.	0.	0.	0.	587.25	587.25
99	151.11	112.80	0.	263.91	244.40	40.48	38.70	23.04	0.	0.	0.	0.	0.	0.	610.54	610.54
00	157.62	116.91	0.	274.54	251.20	42.73	40.93	24.34	0.	0.	0.	0.	0.	0.	633.74	633.74
01	160.31	122.71	0.	283.02	257.59	45.02	43.56	25.68	0.	0.	0.	0.	0.	0.	654.87	654.87
02	163.05	128.64	0.	291.69	263.58	47.34	46.41	27.04	0.	0.	0.	0.	0.	0.	676.06	676.06
03	165.76	134.49	0.	300.25	269.23	49.68	49.46	28.42	0.	0.	0.	0.	0.	0.	697.03	697.03
04	168.44	140.27	0.	308.71	274.57	52.01	52.72	29.80	0.	0.	0.	0.	0.	0.	717.81	717.81
05	171.08	145.98	0.	317.06	279.56	54.37	56.18	31.18	0.	0.	0.	0.	0.	0.	738.35	738.35
06	174.38	150.80	0.	325.18	284.30	56.72	59.75	32.52	0.	0.	0.	0.	0.	0.	758.47	758.47
07	177.64	155.58	0.	333.21	288.89	59.06	63.42	33.83	0.	0.	0.	0.	0.	0.	778.41	778.41
08	181.70	158.32	0.	340.03	293.55	61.33	67.01	35.04	0.	0.	0.	0.	0.	0.	796.96	796.96
09	185.70	161.01	0.	346.71	298.28	63.53	70.76	36.22	0.	0.	0.	0.	0.	0.	815.50	815.50
10	189.61	163.64	0.	353.26	303.07	65.66	74.80	37.36	0.	0.	0.	0.	0.	0.	834.14	834.14
11	193.46	166.22	0.	359.68	307.92	67.72	79.24	38.46	0.	0.	0.	0.	0.	0.	853.02	853.02
12	197.67	168.21	0.	365.88	312.90	69.71	83.94	39.50	0.	0.	0.	0.	0.	0.	871.93	871.93
13	202.35	169.51	0.	371.86	318.11	71.59	88.75	40.47	0.	0.	0.	0.	0.	0.	890.80	890.80
14	206.94	170.79	0.	377.73	323.55	73.38	93.82	41.40	0.	0.	0.	0.	0.	0.	909.87	909.87
15	211.44	172.03	0.	383.48	329.19	75.08	98.98	42.27	0.	0.	0.	0.	0.	0.	929.01	929.01

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16	215.86	173.28	0.	389.12	335.03	76.69	104.14	43.15	0.	0.	0.	0.	0.	948.00	948.08
17	220.20	174.45	0.	394.65	341.06	78.22	109.26	43.89	0.	0.	0.	0.	0.	967.07	967.07
18	224.46	175.63	0.	400.08	347.27	79.67	114.28	44.63	0.	0.	0.	0.	0.	985.93	985.93
19	228.63	176.78	0.	405.41	353.64	81.04	119.13	45.34	0.	0.	0.	0.	0.	1004.56	1004.56
20	232.73	177.91	0.	410.64	360.18	82.34	123.79	46.01	0.	0.	0.	0.	0.	1022.96	1022.96
21	232.73	177.91	0.	410.64	366.34	83.54	127.74	46.59	0.	0.	0.	0.	0.	1034.84	1034.84
22	232.73	177.91	0.	410.64	372.13	84.64	131.39	47.13	0.	0.	0.	0.	0.	1045.93	1045.93
23	232.73	177.91	0.	410.64	377.58	85.66	134.78	47.62	0.	0.	0.	0.	0.	1056.27	1056.27
24	232.73	177.91	0.	410.64	382.69	86.59	137.89	48.07	0.	0.	0.	0.	0.	1065.88	1065.88
25	232.73	177.91	0.	410.64	387.49	87.44	140.77	48.48	0.	0.	0.	0.	0.	1074.81	1074.81
26	232.73	177.91	0.	410.64	391.98	88.22	143.41	48.85	0.	0.	0.	0.	0.	1083.10	1083.10
27	232.73	177.91	0.	410.64	396.17	88.93	145.84	49.19	0.	0.	0.	0.	0.	1090.76	1090.76
28	232.73	177.91	0.	410.64	400.07	89.57	148.07	49.50	0.	0.	0.	0.	0.	1097.84	1097.84
29	232.73	177.91	0.	410.64	403.69	90.15	150.11	49.77	0.	0.	0.	0.	0.	1104.36	1104.36
30	232.73	177.91	0.	410.64	407.05	90.67	151.98	50.01	0.	0.	0.	0.	0.	1110.35	1110.35
31	232.73	177.91	0.	410.64	410.22	91.13	153.52	50.23	0.	0.	0.	0.	0.	1115.73	1115.73
32	232.73	177.91	0.	410.64	413.21	91.54	154.83	50.41	0.	0.	0.	0.	0.	1120.62	1120.62
33	232.73	177.91	0.	410.64	416.04	91.88	155.93	50.56	0.	0.	0.	0.	0.	1125.05	1125.05
34	232.73	177.91	0.	410.64	418.71	92.18	156.84	50.69	0.	0.	0.	0.	0.	1129.05	1129.05
35	232.73	177.91	0.	410.64	421.22	92.43	157.57	50.79	0.	0.	0.	0.	0.	1132.65	1132.65
36	232.73	177.91	0.	410.64	423.56	92.64	158.18	50.88	0.	0.	0.	0.	0.	1135.90	1135.90
37	232.73	177.91	0.	410.64	425.75	92.81	158.64	50.95	0.	0.	0.	0.	0.	1138.78	1138.78
38	232.73	177.91	0.	410.64	427.74	92.96	159.11	51.01	0.	0.	0.	0.	0.	1141.45	1141.45
39	232.73	177.91	0.	410.64	429.54	93.08	159.48	51.06	0.	0.	0.	0.	0.	1143.81	1143.81
40	232.73	177.91	0.	410.64	431.17	93.19	159.77	51.11	0.	0.	0.	0.	0.	1145.88	1145.88
41	232.73	177.91	0.	410.64	432.64	93.27	159.99	51.14	0.	0.	0.	0.	0.	1147.68	1147.68
42	232.73	177.91	0.	410.64	433.93	93.34	160.17	51.17	0.	0.	0.	0.	0.	1149.24	1149.24
43	232.73	177.91	0.	410.64	435.03	93.40	160.34	51.19	0.	0.	0.	0.	0.	1150.59	1150.59
44	232.73	177.91	0.	410.64	435.94	93.44	160.47	51.21	0.	0.	0.	0.	0.	1151.70	1151.70
45	232.73	177.91	0.	410.64	436.68	93.48	160.56	51.22	0.	0.	0.	0.	0.	1152.59	1152.59
46	232.73	177.91	0.	410.64	437.25	93.51	160.62	51.23	0.	0.	0.	0.	0.	1153.26	1153.26
47	232.73	177.91	0.	410.64	437.67	93.53	160.65	51.24	0.	0.	0.	0.	0.	1153.73	1153.73
48	232.73	177.91	0.	410.64	437.94	93.55	160.65	51.24	0.	0.	0.	0.	0.	1154.01	1154.01
49	232.73	177.91	0.	410.64	438.07	93.55	160.65	51.24	0.	0.	0.	0.	0.	1154.15	1154.15
50	232.73	177.91	0.	410.64	438.07	93.55	160.65	51.24	0.00	0.00	0.	0.	0.	1154.15	1154.15

8270T 03 11-08-77 20.194

DTA CALL NO.....1

INPUT EDITS

PAGE 1

CRD NO....1 (CASE # 8 , LWR AND HTGR-RC -- WITH REPROCESSING) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , IBTOPW = 1977 \$
 CRD NO....4 CPUINV = 0.000738 , CBUINV = 0.0 \$
 CRD NO....5 PWRSF1 = 0.02255 \$
 CRD NO....6 SPECIF(1) = 1710. , 1710. \$
 CRD NO....7 BUPRLD(1) = 1161111. , 1161111. \$
 CRD NO....8 EFFICY(1) = .38. , 38 \$
 CRD NO....9 PURCIN = 685.8 \$
 CRD NO...10 PURCDC = 1547.0 \$
 CRD NO...11 PURPCR(30) = 0.290 , PURPCR(121) = 0.290 \$
 CRD NO...12 PURPIS(30) = 0.01534 , PURPIS(121) = 0.01534 \$
 CRD NO...13 PWRPUP(40) = 0.204 , PWRPUP(121) = 0.204 \$
 CRD NO...14 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
 CRD NO...15 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
 CRD NO...16 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
 CRD NO...17 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
 CRD NO...18 EPNINT(1) = .93. , 93 \$
 CRD NO...19 EPNRLD(1) = .93. , 93 \$
 CRD NO...20 EPNOUT(1) = .50. , 50 \$
 CRD NO...21 PWRFAB(30) = 1.08075 , PWRFAB(121) = 1.08075 \$
 CRD NO...22 PURFAB(30) = 1.761 , PURFAB(121) = 1.761 \$
 CRD NO...23 PWRREC(30) = 0.560 , PWRREC(121) = 0.560 \$
 CRD NO...24 PURREC(30) = 0.560 , PURREC(121) = 0.560 \$
 CRD NO...25 LFYUR = 1995 , LFYUR = 1995 \$
 CRD NO...26 RL21 = 0.70 , RL31 = 0.70 \$ \$
 DTA CALL NO.....2

INPUT EDITS

00003570
 00003580
 00003590
 00003600
 00003610
 00003620
 00003630
 00003640
 00003650
 00003660
 00003670
 00003680
 00003690
 00003700
 00003710
 00003720
 00003730
 00003740
 00003750
 00003760
 00003770
 00003780
 00003790
 00003800
 00003805
 00003810

CRD NO....1 \$ \$

NCOUNT	FOSSIL	LWR	OCR	FBR	U308	PU	SEP. WK.
1	764.9	853.5	767.6	0.	1539.15	2087.44	1041.29
2	995.0	812.2	578.9	0.	1447.02	1783.86	1041.29
3	986.7	811.6	587.8	0.	1388.24	1792.55	1041.29
4	979.2	806.3	600.6	0.	1354.95	1811.98	1041.29
5	979.2	795.9	611.0	0.	1332.81	1812.18	1041.29

00003820

A-153

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	940.	34.9	609.	1.0	1.	0.1	0.	0.9	1.	21.5	329.	17.5	64.	13.8	265.	0.	0.
A-154 96	987.	37.5	633.	2.0	3.	0.1	0.	1.9	3.	21.0	350.	18.5	68.	16.6	282.	0.	0.
97	1036.	40.3	660.	4.0	7.	0.2	0.	3.8	7.	19.5	369.	21.5	74.	13.5	295.	0.	0.
98	1088.	43.3	688.	6.0	13.	0.4	1.	5.6	12.	18.0	387.	23.1	81.	11.4	306.	0.	0.
99	1142.	46.4	718.	9.0	22.	0.7	1.	8.5	21.	15.5	401.	24.3	87.	8.7	314.	0.	0.
00	1199.	49.8	753.	12.0	34.	1.3	3.	10.9	32.	13.0	412.	25.4	94.	6.1	318.	0.	0.
01	1241.	15.7	753.	0.	34.	2.1	4.	0.	30.	45.2	454.	26.4	99.	40.3	355.	0.	0.
02	1285.	17.0	753.	0.	34.	3.2	7.	0.	27.	48.9	497.	28.1	104.	43.9	393.	0.	0.
03	1330.	17.8	755.	0.	34.	3.1	10.	0.	25.	51.2	540.	30.9	111.	44.6	429.	0.	0.
04	1376.	22.1	763.	0.	34.	2.9	11.	0.	23.	50.1	579.	33.6	119.	42.0	460.	0.	0.
05	1424.	23.2	765.	0.	34.	3.0	12.	0.	22.	52.5	625.	36.1	129.	42.8	496.	0.	0.
06	1474.	24.4	767.	0.	34.	3.2	12.	0.1	22.	54.9	673.	38.2	139.	44.8	534.	0.	0.
07	1526.	25.6	770.	0.	34.	3.5	13.	0.	21.	57.6	722.	41.1	149.	47.4	573.	0.	0.
08	1579.	27.8	781.	18.4	52.	3.4	13.	17.9	39.	31.2	746.	44.6	160.	20.2	586.	0.	0.
09	1634.	28.9	793.	34.5	87.	3.3	13.	34.2	74.	17.1	755.	48.0	172.	5.1	583.	0.	0.
10	1691.	30.0	805.	43.1	130.	4.9	15.	41.4	115.	10.4	756.	50.0	184.	0.	572.	0.	0.
11	1751.	31.3	819.	55.6	186.	8.2	20.	50.9	166.	0.	746.	50.9	194.	0.	552.	0.	0.
12	1812.	32.5	834.	57.8	243.	12.2	29.	49.0	215.	0.	735.	51.8	201.	0.	534.	0.	0.
13	1875.	33.8	849.	60.1	304.	17.2	43.	46.2	261.	0.	723.	52.6	205.	0.	518.	0.	0.
14	1941.	35.2	865.	62.4	366.	22.0	60.	45.4	306.	0.	710.	53.4	209.	0.	501.	0.	0.
15	2009.	36.6	882.	64.9	431.	27.3	79.	45.8	352.	0.	696.	53.5	211.	0.	485.	0.	0.
16	2079.	38.1	900.	67.4	498.	33.2	100.	46.4	399.	0.	681.	53.1	212.	0.	468.	0.	0.
17	2152.	39.6	919.	70.1	568.	39.5	122.	47.8	446.	0.	665.	52.7	213.	0.	452.	0.	0.
18	2227.	41.2	938.	72.9	641.	46.2	146.	48.6	495.	0.	648.	52.2	211.	1.2	437.	0.	0.
19	2305.	42.9	958.	75.8	717.	53.1	172.	50.0	545.	0.	630.	51.7	210.	1.8	420.	0.	0.
20	2386.	44.7	979.	78.8	796.	59.8	199.	52.2	597.	0.	611.	50.9	207.	2.2	404.	0.	0.
21	2339.	0.	953.	0.	796.	66.7	226.	0.	570.	0.	591.	49.8	205.	2.8	386.	0.	0.
22	2290.	0.	924.	0.	796.	73.8	253.	0.	543.	0.	570.	48.7	201.	3.4	369.	0.	0.
23	2239.	0.	893.	0.	796.	73.1	273.	0.	522.	0.	549.	47.5	197.	4.2	352.	0.	0.

24	2184.	0.	861.	0.	796.	72.5	286.	0.	510.	0.	527.	46.4	192.	4.5	335.	0.	0.
25	2127.	0.	826.	0.	795.	72.7	292.	0.	503.	0.	506.	45.1	188.	4.8	318.	0.	0.
26	2066.	0.	788.	0.	793.	73.6	292.	0.2	501.	0.	485.	43.6	183.	5.1	302.	0.	0.
27	2002.	0.	748.	0.	789.	75.2	294.	0.	495.	0.	465.	42.1	177.	5.4	288.	0.	0.
28	1935.	0.	705.	0.	783.	73.8	295.	0.	488.	0.	447.	40.6	171.	5.7	276.	0.	0.
29	1864.	0.	658.	0.	774.	72.0	295.	0.6	479.	0.	432.	39.3	166.	5.8	266.	0.	0.
30	1789.	0.	609.	0.	762.	70.4	291.	3.1	470.	0.	419.	38.0	160.	5.6	259.	0.	0.
31	1728.	0.	593.	0.	762.	69.1	285.	6.1	477.	0.	374.	36.7	155.	5.4	218.	0.	0.
32	1663.	0.	576.	0.	762.	67.9	279.	5.9	482.	0.	325.	35.5	149.	5.1	175.	0.	0.
33	1594.	0.	558.	0.	762.	68.4	276.	3.6	486.	0.	274.	32.6	143.	6.7	131.	0.	0.
34	1521.	0.	536.	0.	762.	68.7	274.	1.7	488.	0.	224.	29.6	134.	8.4	89.	0.	0.
35	1446.	0.	513.	0.	762.	68.8	274.	0.3	488.	0.	171.	26.5	124.	10.2	47.	0.	0.
36	1366.	0.	488.	0.	762.	68.6	274.	0.	487.	0.	116.	23.6	112.	11.9	4.	0.	0.
37	1283.	0.	463.	0.	762.	68.2	274.	0.2	488.	0.	59.	-21.1	59.	11.9	0.	0.	0.
38	1206.	0.	435.	0.	743.	68.4	274.	0.3	469.	0.	27.	-1.6	27.	0.	0.	0.	0.
39	1125.	0.	406.	0.	709.	68.7	274.	0.1	435.	0.	10.	9.5	10.	0.	0.	0.	0.
40	1042.	0.	376.	0.	666.	67.1	272.	1.5	393.	0.	0.	13.2	0.	0.	0.	0.	0.
41	955.	0.	345.	0.	610.	63.8	268.	4.4	342.	0.	0.	-21.1	0.	0.	0.	0.	0.
42	865.	0.	312.	0.	552.	59.7	259.	8.7	293.	0.	0.	-1.6	0.	0.	0.	0.	0.
43	771.	0.	278.	0.	492.	54.7	245.	14.0	247.	0.	0.	9.5	0.	0.	0.	0.	0.
44	673.	0.	243.	0.	430.	49.9	228.	17.2	202.	0.	0.	13.2	0.	0.	0.	0.	0.
45	572.	0.	207.	0.	365.	44.6	209.	19.2	156.	0.	0.	-21.1	0.	0.	0.	0.	0.
46	466.	0.	168.	0.	298.	38.7	188.	21.1	110.	0.	0.	-1.6	0.	0.	0.	0.	0.
47	356.	0.	129.	0.	227.	32.4	165.	22.3	62.	0.	0.	9.5	0.	0.	0.	0.	0.
48	242.	0.	88.	0.	155.	25.6	141.	24.3	13.	0.	0.	13.2	0.	0.	0.	0.	0.
49	123.	0.	45.	0.	79.	0.	79.	0.	0.	0.	0.	-21.1	0.	0.	0.	0.	0.
50	0.	0.	-0.	0.	0.	0.	0.	0.	0.	0.	0.	-1.6	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

ECONOMIC COST CASE																	
YR	CAPITAL INVESTMENTS				EXPENSES											TOTALS	
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR				FBR							
						FUEL O&M	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES			
															WITH PU	W/O PU	
77	11.45	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.	0.	0.	33.95	33.95	
78	19.44	9.17	0.	28.61	30.43	2.49	1.34	0.70	0.	0.	0.	0.	0.	0.	63.56	63.56	
79	26.96	13.58	0.	40.54	44.87	3.86	2.29	1.30	0.	0.	0.	0.	0.	0.	92.84	92.84	
80	34.26	18.11	0.	52.37	58.81	5.31	3.29	1.97	0.	0.	0.	0.	0.	0.	121.74	121.74	
81	41.26	22.86	0.	64.13	72.25	6.85	4.35	2.70	0.	0.	0.	0.	0.	0.	150.28	150.28	
82	48.00	27.80	0.	75.80	85.22	8.49	5.48	3.49	0.	0.	0.	0.	0.	0.	178.47	178.47	
83	54.51	32.87	0.	87.38	97.71	10.21	6.66	4.34	0.	0.	0.	0.	0.	0.	206.31	206.31	
84	60.82	38.06	0.	98.88	109.74	12.02	7.91	5.26	0.	0.	0.	0.	0.	0.	233.82	233.82	
85	66.95	43.33	0.	110.28	121.33	13.92	9.22	6.23	0.	0.	0.	0.	0.	0.	260.99	260.99	
86	72.94	48.66	0.	121.59	132.46	15.91	10.59	7.25	0.19	0.19	0.	0.	0.	0.	287.80	287.80	
87	78.79	54.02	0.	132.81	143.16	18.02	11.77	8.18	0.39	0.39	0.	0.	0.	0.	313.94	313.94	
88	84.53	59.39	0.	143.93	153.43	20.26	12.94	9.10	0.59	0.59	0.	0.	0.	0.	339.66	339.66	
89	90.19	64.76	0.	154.94	163.31	22.62	14.13	10.01	0.79	0.79	0.	0.	0.	0.	365.01	365.01	
90	95.76	70.10	0.	165.86	172.80	25.09	15.32	10.92	0.99	0.99	0.	0.	0.	0.	389.99	389.99	
91	101.65	75.41	0.	177.06	181.91	27.62	16.72	11.92	1.27	1.27	0.	0.	0.	0.	415.23	415.23	
92	107.62	80.54	0.	188.16	190.64	30.22	18.06	12.89	1.57	1.57	0.	0.	0.	0.	439.97	439.97	
93	113.67	85.50	0.	199.17	199.01	32.88	19.39	13.86	1.87	1.87	0.	0.	0.	0.	464.32	464.32	
94	119.70	90.40	0.	210.11	207.04	35.60	20.74	14.82	2.18	2.18	0.	0.	0.	0.	488.31	488.31	
95	125.82	95.16	0.	220.98	214.74	38.37	22.06	15.78	2.49	2.49	0.	0.	0.	0.	511.93	511.93	
96	132.02	99.76	0.	231.78	222.14	41.16	23.45	16.77	2.83	2.83	0.	0.	0.	0.	535.30	535.30	
97	138.31	104.23	0.	242.53	229.27	43.97	24.79	17.76	3.18	3.18	0.	0.	0.	0.	558.32	558.32	
98	144.67	108.57	0.	253.24	236.14	46.79	26.11	18.73	3.54	3.54	0.	0.	0.	0.	581.00	581.00	
99	151.11	112.80	0.	263.91	242.76	49.62	27.39	19.71	3.92	3.92	0.	0.	0.	0.	603.39	603.39	
00	157.62	116.91	0.	274.54	249.20	52.43	28.64	20.68	4.30	4.30	0.	0.	0.	0.	625.48	625.48	
01	159.57	123.60	0.	283.17	255.15	55.32	30.30	21.75	4.72	4.72	0.	0.	0.	0.	645.69	645.69	
02	161.55	130.44	0.	291.99	260.66	58.29	32.03	22.86	5.14	5.14	0.	0.	0.	0.	665.82	665.82	
03	163.51	137.19	0.	300.70	265.77	61.30	33.78	23.98	5.57	5.57	0.	0.	0.	0.	685.54	685.54	
04	165.81	143.43	0.	309.23	270.56	64.35	35.59	25.09	6.02	6.02	0.	0.	0.	0.	704.82	704.82	
05	168.08	149.59	0.	317.66	274.98	67.43	37.48	26.19	6.50	6.50	0.	0.	0.	0.	723.75	723.75	
06	170.32	155.67	0.	325.99	279.05	70.56	39.48	27.30	7.01	7.01	0.	0.	0.	0.	742.38	742.38	
07	172.55	161.68	0.	334.23	282.87	73.72	41.51	28.39	7.55	7.55	0.	0.	0.	0.	760.73	760.73	
08	174.83	166.75	0.	341.58	286.54	76.86	43.45	29.48	8.12	8.12	0.	0.	0.	0.	777.91	777.91	
09	177.07	171.87	0.	348.93	290.07	79.99	45.36	30.58	8.73	8.73	0.	0.	0.	0.	794.93	794.93	
10	179.27	176.94	0.	356.21	293.46	83.10	47.30	31.68	9.40	9.40	0.	0.	0.	0.	811.74	811.74	
11	181.42	182.00	0.	363.42	296.72	86.18	49.35	32.81	10.14	10.14	0.	0.	0.	0.	828.47	828.47	
12	183.54	186.97	0.	370.50	299.86	89.22	51.38	33.89	10.96	10.96	0.	0.	0.	0.	844.86	844.86	
13	185.61	191.83	0.	377.44	302.89	92.22	53.42	34.94	11.85	11.85	0.	0.	0.	0.	860.91	860.91	
14	187.65	196.60	0.	384.25	305.81	95.18	55.47	35.94	12.82	12.82	0.	0.	0.	0.	876.67	876.67	
15	189.65	201.28	0.	390.93	308.64	98.10	57.53	36.92	13.85	13.85	0.	0.	0.	0.	892.15	892.15	

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16	191.61	205.87	0.	397.48	311.37	100.97	59.70	37.67	14.96	14.96	0.	0.	0.	907.33	907.39
17	193.54	210.37	0.	403.90	314.02	103.79	62.02	38.81	16.16	16.16	0.	0.	0.	922.55	922.55
18	195.43	214.78	0.	410.21	316.59	106.57	64.52	39.73	17.48	17.48	0.	0.	0.	937.61	937.61
19	197.28	219.11	0.	416.39	319.09	109.29	67.17	40.63	18.91	18.91	0.	0.	0.	952.56	952.56
20	199.11	223.35	0.	422.46	321.50	111.96	69.98	41.51	20.45	20.45	0.	0.	0.	967.42	967.42
21	199.11	223.35	0.	422.46	323.73	114.46	72.22	42.18	22.10	22.10	0.	0.	0.	975.05	975.05
22	199.11	223.35	0.	422.46	325.79	116.78	74.41	42.79	23.71	23.71	0.	0.	0.	982.23	982.23
23	199.11	223.35	0.	422.46	327.68	118.95	76.49	43.34	25.26	25.26	0.	0.	0.	988.92	988.92
24	199.11	223.35	0.	422.46	329.41	120.96	78.45	43.84	26.78	26.78	0.	0.	0.	995.11	995.11
25	199.11	223.35	0.	422.46	330.90	122.82	80.30	44.29	28.27	28.27	0.	0.	0.	1000.86	1000.86
26	199.11	223.35	0.	422.46	332.40	124.55	82.02	44.70	29.72	29.72	0.	0.	0.	1006.13	1006.13
27	199.11	223.35	0.	422.46	333.68	126.15	83.64	45.08	31.09	31.09	0.	0.	0.	1011.02	1011.02
28	199.11	223.35	0.	422.46	334.82	127.63	85.15	45.43	32.36	32.36	0.	0.	0.	1015.50	1015.50
29	199.11	223.35	0.	422.46	335.83	129.00	86.56	45.75	33.55	33.55	0.	0.	0.	1019.59	1019.59
30	199.11	223.35	0.	422.46	336.70	130.26	87.88	46.04	34.65	34.65	0.	0.	0.	1023.34	1023.34
31	199.11	223.35	0.	422.46	337.52	131.40	88.89	46.30	35.68	35.68	0.	0.	0.	1026.58	1026.58
32	199.11	223.35	0.	422.46	338.28	132.44	89.75	46.53	36.63	36.63	0.	0.	0.	1029.46	1029.46
33	199.11	223.35	0.	422.46	339.00	133.37	90.47	46.74	37.51	37.51	0.	0.	0.	1032.03	1032.03
34	199.11	223.35	0.	422.46	339.65	134.20	91.11	46.91	38.33	38.33	0.	0.	0.	1034.33	1034.33
35	199.11	223.35	0.	422.46	340.26	134.94	91.64	47.07	39.07	39.07	0.	0.	0.	1036.37	1036.37
36	199.11	223.35	0.	422.46	340.81	135.60	92.07	47.20	39.76	39.76	0.	0.	0.	1038.14	1038.14
37	199.11	223.35	0.	422.46	341.31	136.17	92.40	47.31	40.68	40.65	0.	0.	0.	1039.65	1039.65
38	199.11	223.35	0.	422.46	341.76	136.66	92.69	47.41	41.60	41.60	0.	0.	0.	1040.97	1040.97
39	199.11	223.35	0.	422.46	342.16	137.09	92.96	47.49	42.50	42.50	0.	0.	0.	1042.15	1042.15
40	199.11	223.35	0.	422.46	342.51	137.46	93.18	47.55	43.33	43.33	0.	0.	0.	1043.16	1043.16
41	199.11	223.35	0.	422.46	342.81	137.79	93.34	47.59	44.14	44.14	0.	0.	0.	1043.99	1043.99
42	199.11	223.35	0.	422.46	343.08	138.07	93.47	47.63	44.88	44.88	0.	0.	0.	1044.70	1044.70
43	199.11	223.35	0.	422.46	343.30	138.30	93.59	47.65	45.53	45.53	0.	0.	0.	1045.31	1045.31
44	199.11	223.35	0.	422.46	343.49	138.50	93.68	47.67	46.08	46.08	0.	0.	0.	1045.80	1045.80
45	199.11	223.35	0.	422.46	343.64	138.65	93.75	47.68	46.62	46.62	0.	0.	0.	1046.18	1046.18
46	199.11	223.35	0.	422.46	343.76	138.78	93.78	47.68	47.10	47.10	0.	0.	0.	1046.46	1046.46
47	199.11	223.35	0.	422.46	343.85	138.86	93.79	47.68	47.52	47.52	0.	0.	0.	1046.64	1046.64
48	199.11	223.35	0.	422.46	343.90	138.92	93.79	47.68	47.85	47.78	0.	0.	0.	1046.75	1046.75
49	199.11	223.35	0.	422.46	343.93	138.95	93.79	47.68	48.18	48.07	0.	0.	0.	1046.81	1046.81
50	199.11	223.35	0.	422.46	343.93	138.95	93.79	47.68	48.48	48.34	0.	0.	0.	1046.81	1046.81

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE * 9 , LWR AND HTGR-HC -- WITH REPROCESSING)\$
 CRD NO....2 AI = 0.0 \$
 CRD NO....3 DI = 2031.0 , IBTOPW = 1977 \$
 CRD NO....4 CPUINV = 0.000738 \$
 CRD NO....5 PWRSEI = 0.02255 \$
 CRD NO....6 SPECIF(1) = 1120. , 1120. \$
 CRD NO....7 BUPRLD(1) = 1161111. , 1161111. \$
 CRD NO....8 EFFICY(1) = .38. .38 \$
 CRD NO....9 PURCIN = 693.2 \$
 CRD NO....10 PURCOC = 861.2 \$
 CRD NO....11 PURPCR(30) = 0.1005 , PURPCR(121) = 0.1005 \$
 CRD NO....12 PURPIS(30) = 0.01115 , PURPIS(121) = 0.01115 \$
 CRD NO....13 PWRPUP(40) = 0.204 , PWRPUP(121) = 0.204 \$
 CRD NO....14 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
 CRD NO....15 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
 CRD NO....16 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
 CRD NO....17 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
 CRD NO....18 EPNINT(1) = .93. .93 \$
 CRD NO....19 EPNRLD(1) = .93. .93 \$
 CRD NO....20 EPNOUT(1) = .50. .50 \$
 CRD NO....21 PWRFAB(30) = 1.515 , PWRFAB(121) = 1.515 \$
 CRD NO....22 PURFAB(30) = 2.475 , PURFAB(121) = 2.475 \$
 CRD NO....23 PWRREC(30) = 0.916 , PWRREC(121) = 0.916 \$
 CRD NO....24 PURREC(30) = 0.916 , PURREC(121) = 0.916 \$
 CRD NO....25 LFYUR = 1995 , LFYPUR = 1995 \$
 CRD NO....26 RL21 = 0.70 , RL31 = 0.70 \$\$
 DTA CALL NO.....2

INPUT EDITS

CRD NO....1 \$\$

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	761.0	869.9	755.1	0.	1679.58	3447.27	1041.29
2	993.8	818.6	573.7	0.	1576.86	2915.31	1041.29
3	990.7	813.2	582.1	0.	1511.76	2932.79	1041.29
4	986.7	787.8	611.5	0.	1476.61	2975.54	1041.29
5	986.7	787.8	611.5	0.	1453.18	2975.54	1041.29

00003840
 00003850
 00003860
 00003870
 00003880
 00003890
 00003900
 00003910
 00003920
 00003930
 00003940
 00003950
 00003960
 00003970
 00003980
 00003990
 00004000
 00004010
 00004020
 00004030
 00004040
 00004050
 00004060
 00004070
 00003805
 00004080

00004090

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	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	940.	34.9	609.	1.0	1.	0.1	0.	0.9	1.	21.5	329.	17.5	64.	13.8	265.	0.	0.
96	987.	37.5	633.	2.0	3.	0.1	0.	1.9	3.	21.0	350.	18.5	68.	16.6	282.	0.	0.
97	1036.	40.3	660.	4.0	7.	0.2	1.	3.8	7.	19.5	369.	21.5	74.	13.5	295.	0.	0.
98	1088.	43.3	688.	6.0	13.	0.4	1.	5.6	12.	18.0	387.	23.1	81.	11.4	306.	0.	0.
99	1142.	46.4	718.	9.0	22.	0.7	1.	8.5	21.	15.5	401.	24.3	87.	8.7	314.	0.	0.
00	1199.	49.8	753.	12.0	34.	1.3	3.	10.8	32.	13.0	412.	25.4	94.	6.1	318.	0.	0.
01	1241.	15.7	753.	0.	34.	2.2	5.	0.	30.	45.2	454.	26.4	99.	40.3	355.	0.	0.
02	1285.	17.0	753.	0.	34.	3.3	8.	0.	27.	48.9	497.	28.1	104.	43.9	393.	0.	0.
03	1330.	21.1	759.	0.	34.	3.3	10.	0.	24.	47.9	536.	30.9	111.	41.3	426.	0.	0.
04	1376.	22.1	766.	0.	34.	3.2	12.	0.	22.	50.1	575.	33.6	119.	42.0	456.	0.	0.
05	1424.	23.2	769.	0.	34.	3.4	13.	0.	21.	52.5	621.	35.9	129.	42.9	493.	0.	0.
06	1474.	24.4	771.	0.	34.	3.9	14.	0.	20.	54.9	669.	38.1	138.	45.0	531.	0.	0.
07	1526.	29.8	777.	0.	34.	4.6	15.	0.	19.	53.4	714.	40.9	148.	43.3	566.	0.	0.
08	1579.	27.8	788.	0.	34.	4.4	16.	0.	18.	49.6	757.	44.4	159.	38.8	597.	0.	0.
09	1634.	28.9	800.	34.5	68.	4.0	17.	33.9	52.	17.1	766.	47.6	171.	5.3	594.	0.	0.
10	1691.	30.0	813.	53.5	122.	3.7	17.	53.7	105.	0.	757.	50.5	184.	0.	573.	0.	0.
11	1751.	31.3	827.	55.6	178.	6.9	19.	53.3	159.	0.	747.	51.5	194.	0.	552.	0.	0.
12	1812.	32.5	841.	57.8	235.	12.1	27.	50.1	209.	0.	736.	51.8	201.	0.	534.	0.	0.
13	1875.	33.8	856.	60.1	296.	17.3	40.	46.8	256.	0.	724.	52.5	206.	0.	517.	0.	0.
14	1941.	35.2	873.	62.4	358.	22.2	58.	43.9	299.	0.	711.	53.2	209.	0.	502.	0.	0.
15	2009.	36.6	890.	64.9	423.	26.7	78.	45.1	345.	0.	697.	53.7	211.	0.	485.	0.	0.
16	2079.	38.1	907.	67.4	490.	33.8	100.	45.8	390.	0.	682.	53.4	213.	0.	469.	0.	0.
17	2152.	39.6	926.	70.1	560.	42.5	125.	44.9	435.	0.	666.	52.7	213.	0.	453.	0.	0.
18	2227.	41.2	946.	72.9	633.	51.3	154.	43.8	479.	0.	649.	52.1	212.	1.0	437.	0.	0.
19	2305.	42.9	966.	75.8	709.	59.7	187.	42.8	522.	0.	631.	51.6	210.	2.1	421.	0.	0.
20	2386.	44.7	987.	78.8	788.	67.8	221.	44.8	567.	0.	612.	51.0	207.	2.3	404.	0.	0.
21	2339.	0.	960.	0.	788.	75.5	254.	0.	534.	0.	592.	50.0	205.	2.7	387.	0.	0.
22	2290.	0.	931.	0.	788.	83.5	287.	0.	501.	0.	571.	48.7	201.	3.4	370.	0.	0.
23	2239.	0.	901.	0.	788.	83.9	311.	0.	477.	0.	550.	47.5	197.	4.1	353.	0.	0.

24	2184.	0.	868.	0.	788.	84.3	327.	0.	461.	0.	628.	46.3	193.	4.7	335.	0.	0.
25	2127.	0.	833.	0.	787.	85.4	337.	0.	450.	0.	507.	45.2	188.	4.9	319.	0.	0.
26	2066.	0.	796.	0.	785.	87.2	341.	0.	444.	0.	486.	43.7	183.	5.1	303.	0.	0.
27	2002.	0.	755.	0.	781.	89.7	347.	0.	434.	0.	466.	42.1	177.	5.4	289.	0.	0.
28	1938.	0.	712.	0.	775.	86.5	349.	0.	426.	0.	448.	40.7	172.	5.7	276.	0.	0.
29	1864.	0.	666.	0.	766.	82.9	346.	2.5	420.	0.	433.	39.3	166.	5.9	267.	0.	0.
30	1789.	0.	616.	0.	754.	80.2	339.	7.0	415.	0.	420.	38.0	160.	5.7	259.	0.	0.
31	1728.	0.	600.	0.	754.	78.2	328.	11.4	426.	0.	374.	36.8	155.	5.4	220.	0.	0.
32	1663.	0.	583.	0.	754.	76.9	318.	9.6	436.	0.	325.	35.6	150.	5.1	176.	0.	0.
33	1594.	0.	562.	0.	754.	77.6	313.	5.4	441.	0.	278.	32.7	143.	6.6	135.	0.	0.
34	1521.	0.	540.	0.	754.	77.7	310.	2.6	443.	0.	227.	29.6	135.	8.4	93.	0.	0.
35	1446.	0.	517.	0.	754.	77.6	310.	0.6	444.	0.	175.	26.7	125.	10.0	50.	0.	0.
36	1366.	0.	492.	0.	754.	77.3	310.	0.	444.	0.	120.	23.8	113.	11.7	7.	0.	0.
37	1283.	0.	463.	0.	754.	77.0	310.	0.6	444.	0.	67.	-13.5	67.	11.7	0.	0.	0.
38	1206.	0.	435.	0.	754.	77.9	310.	0.	444.	0.	17.	-20.0	17.	0.	0.	0.	0.
39	1125.	0.	406.	0.	719.	78.7	311.	0.	409.	0.	0.	9.7	0.	0.	0.	0.	0.
40	1042.	0.	376.	0.	666.	79.1	313.	0.	353.	0.	0.	23.8	0.	0.	0.	0.	0.
41	955.	0.	345.	0.	610.	75.8	311.	1.2	299.	0.	0.	-13.5	0.	0.	0.	0.	0.
42	865.	0.	312.	0.	552.	70.3	304.	7.5	248.	0.	0.	-20.0	0.	0.	0.	0.	0.
43	771.	0.	278.	0.	492.	64.9	290.	13.8	202.	0.	0.	9.7	0.	0.	0.	0.	0.
44	673.	0.	243.	0.	430.	60.0	271.	19.1	159.	0.	0.	23.8	0.	0.	0.	0.	0.
45	572.	0.	207.	0.	365.	55.4	251.	20.4	114.	0.	0.	-13.5	0.	0.	0.	0.	0.
46	466.	0.	168.	0.	298.	48.3	229.	22.1	69.	0.	0.	-20.0	0.	0.	0.	0.	0.
47	356.	0.	129.	0.	227.	39.5	203.	25.5	24.	0.	0.	9.7	0.	0.	0.	0.	0.
48	242.	0.	88.	0.	155.	11.4	155.	0.	0.	0.	0.	23.8	0.	0.	0.	0.	0.
49	123.	0.	45.	0.	79.	0.	79.	0.	0.	0.	0.	-13.5	0.	0.	0.	0.	0.
50	0.	0.	-0.	0.	0.	0.	0.	0.	0.	0.	0.	-20.0	0.	0.	0.	0.	0.

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PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES											TOTALS	
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES	WITH PU	W=0 PU		
77	11.45	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.	0.	33.95	33.95		
78	19.44	9.17	0.	28.61	30.43	2.49	1.34	0.70	0.	0.	0.	0.	0.	63.56	63.56		
79	26.96	13.58	0.	40.54	44.87	3.86	2.29	1.30	0.	0.	0.	0.	0.	92.85	92.85		
80	34.26	18.11	0.	52.37	58.81	5.32	3.29	1.97	0.	0.	0.	0.	0.	121.75	121.75		
81	41.28	22.86	0.	64.13	72.25	6.86	4.35	2.70	0.	0.	0.	0.	0.	150.29	150.29		
82	48.00	27.80	0.	75.80	85.22	8.49	5.48	3.49	0.	0.	0.	0.	0.	178.48	178.48		
83	54.61	32.87	0.	87.38	97.71	10.22	6.66	4.34	0.	0.	0.	0.	0.	206.32	206.32		
84	60.82	38.08	0.	98.88	109.74	12.03	7.91	5.26	0.	0.	0.	0.	0.	233.83	233.83		
85	66.95	43.33	0.	110.28	121.33	13.93	9.22	6.23	0.	0.	0.	0.	0.	261.00	261.00		
86	72.94	48.66	0.	121.59	132.46	15.92	10.59	7.25	0.19	0.19	0.	0.	0.	287.81	287.81		
87	78.78	54.02	0.	132.81	143.16	18.03	11.77	8.18	0.39	0.39	0.	0.	0.	313.95	313.95		
88	84.53	59.39	0.	143.93	153.43	20.28	12.94	9.10	0.59	0.59	0.	0.	0.	339.68	339.68		
89	90.18	64.76	0.	154.94	163.31	22.64	14.13	10.01	0.79	0.79	0.	0.	0.	365.03	365.03		
90	95.76	70.10	0.	165.86	172.80	25.11	15.32	10.92	0.99	0.99	0.	0.	0.	390.01	390.01		
91	101.65	75.41	0.	177.06	181.91	27.64	16.72	11.92	1.27	1.27	0.	0.	0.	415.25	415.25		
92	107.62	80.54	0.	188.16	190.64	30.24	18.06	12.89	1.57	1.57	0.	0.	0.	439.99	439.99		
93	113.67	85.50	0.	199.17	199.01	32.90	19.39	13.86	1.87	1.87	0.	0.	0.	464.33	464.33		
94	119.70	90.40	0.	210.11	207.04	35.62	20.74	14.82	2.18	2.18	0.	0.	0.	488.32	488.32		
95	125.82	95.16	0.	220.98	214.74	38.39	22.07	15.79	2.49	2.49	0.	0.	0.	511.96	511.96		
96	132.02	99.76	0.	231.78	222.14	41.19	23.47	16.79	2.84	2.84	0.	0.	0.	535.36	535.36		
97	138.31	104.23	0.	242.53	229.27	44.00	24.84	17.80	3.20	3.20	0.	0.	0.	558.45	558.45		
98	144.67	108.57	0.	253.24	236.14	46.84	26.20	18.81	3.57	3.57	0.	0.	0.	581.23	581.23		
99	151.11	112.80	0.	263.91	242.76	49.70	27.54	19.84	3.96	3.96	0.	0.	0.	603.75	603.75		
00	157.62	116.91	0.	274.54	249.20	52.55	28.86	20.87	4.37	4.37	0.	0.	0.	626.02	626.02		
01	159.57	123.60	0.	283.17	255.15	55.48	30.52	21.94	4.82	4.82	0.	0.	0.	646.27	646.27		
02	161.55	130.44	0.	291.99	260.66	58.48	32.25	23.06	5.28	5.28	0.	0.	0.	666.44	666.44		
03	163.87	136.76	0.	300.63	265.80	61.52	33.97	24.16	5.75	5.75	0.	0.	0.	686.08	686.08		
04	166.17	143.00	0.	309.16	270.63	64.58	35.77	25.26	6.24	6.24	0.	0.	0.	705.41	705.41		
05	168.44	149.15	0.	317.59	275.09	67.69	37.66	26.35	6.76	6.76	0.	0.	0.	724.38	724.38		
06	170.68	155.24	0.	325.92	279.19	70.83	39.66	27.46	7.31	7.31	0.	0.	0.	743.06	743.06		
07	173.27	160.81	0.	334.09	283.08	73.99	41.63	28.52	7.90	7.90	0.	0.	0.	761.31	761.31		
08	175.56	165.70	0.	341.26	286.82	77.14	43.63	29.55	8.50	8.50	0.	0.	0.	778.40	778.40		
09	177.79	170.81	0.	348.61	290.41	80.30	45.72	30.76	9.13	9.13	0.	0.	0.	795.80	795.80		
10	179.99	175.98	0.	355.97	293.86	83.47	48.08	32.09	9.83	9.83	0.	0.	0.	813.47	813.47		
11	182.15	181.04	0.	363.19	297.18	86.63	50.45	33.39	10.67	10.67	0.	0.	0.	830.84	830.84		
12	184.26	186.01	0.	370.27	300.38	89.79	52.80	34.62	11.64	11.64	0.	0.	0.	847.85	847.85		
13	186.34	190.87	0.	377.21	303.46	92.94	55.15	35.78	12.73	12.73	0.	0.	0.	864.54	864.54		
14	188.37	195.64	0.	384.02	306.44	96.07	57.50	36.89	13.94	13.94	0.	0.	0.	880.91	880.91		
15	190.37	200.32	0.	390.69	309.31	99.19	59.92	37.96	15.28	15.28	0.	0.	0.	897.07	897.07		

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16	192.33	204.91	0.	397.24	312.09	102.28	62.45	39.41	16.79	16.79	0.	0.	0.	913.00	913.06
17	194.26	209.41	0.	403.67	314.78	105.34	65.21	40.02	18.52	18.52	0.	0.	0.	929.03	929.03
18	196.15	213.82	0.	409.97	317.39	108.37	68.13	41.00	20.45	20.45	0.	0.	0.	944.88	944.88
19	198.01	218.15	0.	416.16	319.92	111.38	71.19	41.95	22.58	22.58	0.	0.	0.	960.60	960.60
20	199.83	222.39	0.	422.23	322.38	114.35	74.42	42.87	24.88	24.88	0.	0.	0.	976.24	976.24
21	199.83	222.39	0.	422.23	324.64	117.13	76.78	43.52	27.37	27.37	0.	0.	0.	984.30	984.30
22	199.83	222.39	0.	422.23	326.73	119.73	79.05	44.10	29.81	29.81	0.	0.	0.	991.84	991.84
23	199.83	222.39	0.	422.23	328.65	122.16	81.16	44.63	32.18	32.18	0.	0.	0.	998.84	998.84
24	199.83	222.39	0.	422.23	330.41	124.43	83.14	45.10	34.51	34.51	0.	0.	0.	1005.30	1005.30
25	199.83	222.39	0.	422.23	332.01	126.53	84.98	45.63	36.81	36.81	0.	0.	0.	1011.28	1011.28
26	199.83	222.39	0.	422.23	333.47	128.48	86.62	45.91	39.02	39.02	0.	0.	0.	1016.71	1016.71
27	199.83	222.39	0.	422.23	334.77	130.30	88.14	46.26	41.08	41.08	0.	0.	0.	1021.69	1021.69
28	199.83	222.39	0.	422.23	335.94	131.98	89.53	46.57	42.97	42.97	0.	0.	0.	1026.24	1026.24
29	199.83	222.39	0.	422.23	336.97	133.53	90.83	46.86	44.73	44.73	0.	0.	0.	1030.42	1030.42
30	199.83	222.39	0.	422.23	337.86	134.97	92.10	47.14	46.35	46.35	0.	0.	0.	1034.29	1034.29
31	199.83	222.39	0.	422.23	338.70	136.27	93.13	47.40	47.86	47.86	0.	0.	0.	1037.73	1037.73
32	199.83	222.39	0.	422.23	339.49	137.46	93.99	47.62	49.28	49.28	0.	0.	0.	1040.79	1040.79
33	199.83	222.39	0.	422.23	340.21	138.53	94.72	47.82	50.60	50.60	0.	0.	0.	1043.51	1043.51
34	199.83	222.39	0.	422.23	340.88	139.50	95.32	47.99	51.83	51.83	0.	0.	0.	1045.92	1045.92
35	199.83	222.39	0.	422.23	341.49	140.38	95.81	48.13	52.97	52.97	0.	0.	0.	1048.03	1048.03
36	199.83	222.39	0.	422.23	342.05	141.16	96.20	48.25	54.02	54.02	0.	0.	0.	1049.88	1049.88
37	199.83	222.39	0.	422.23	342.55	141.84	96.52	48.35	55.23	55.23	0.	0.	0.	1051.49	1051.49
38	199.83	222.39	0.	422.23	343.00	142.44	96.73	48.44	56.59	56.59	0.	0.	0.	1052.84	1052.84
39	199.83	222.39	0.	422.23	343.40	142.97	96.90	48.50	57.90	57.90	0.	0.	0.	1053.99	1053.99
40	199.83	222.39	0.	422.23	343.75	143.43	96.91	48.52	59.04	59.04	0.	0.	0.	1054.84	1054.84
41	199.83	222.39	0.	422.23	344.06	143.83	96.91	48.53	60.10	60.10	0.	0.	0.	1055.56	1055.56
42	199.83	222.39	0.	422.23	344.32	144.18	96.92	48.54	61.09	61.09	0.	0.	0.	1056.18	1056.18
43	199.83	222.39	0.	422.23	344.55	144.47	96.94	48.54	61.97	61.97	0.	0.	0.	1056.72	1056.72
44	199.83	222.39	0.	422.23	344.74	144.72	96.97	48.54	62.71	62.71	0.	0.	0.	1057.19	1057.19
45	199.83	222.39	0.	422.23	344.89	144.91	96.98	48.54	63.38	63.38	0.	0.	0.	1057.54	1057.54
46	199.83	222.39	0.	422.23	345.01	145.07	96.98	48.54	63.99	63.99	0.	0.	0.	1057.82	1057.82
47	199.83	222.39	0.	422.23	345.09	145.18	96.98	48.54	64.50	64.50	0.	0.	0.	1057.90	1058.01
48	199.83	222.39	0.	422.23	345.15	145.25	96.98	48.54	64.89	64.65	0.	0.	0.	1057.91	1058.14
49	199.83	222.39	0.	422.23	345.17	145.29	96.98	48.54	65.24	64.93	0.	0.	0.	1057.90	1058.21
50	199.83	222.39	0.	422.23	345.17	145.29	96.98	48.54	65.59	65.22	0.	0.	0.	1057.84	1058.21

CRD NO....1 (CASE #10 , LWR AND PBR-78 WITH REPROCESSING)\$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1=2051. , IBTOPW=1977 \$
 CRD NO....4 CPUINV=0.02758 \$
 CRD NO....5 PWSFI=0.08247 \$
 CRD NO....6 SPECIF(1)=2513. ,2513. \$
 CRD NO....7 BUPRLD(1)=918000.0,918000. \$
 CRD NO....8 PURCIN=274.0 \$
 CRD NO....9 PURCDC=344.0 \$
 CRD NO....10 PURPIS(30)=0.03803,PURPIS(121)=0.03803 \$
 CRD NO....11 PURPCR(30)=0.233 ,PURPCR(121)=0.233 \$
 CRD NO....12 PWRPUP(40)=0.964,PWRPUP(121)=0.964 \$
 CRD NO....13 PWRDEC(30)=0.02674,PWRDEC(121)=0.02674 \$
 CRD NO....14 PWRIEC(30)=0.01151,PWRIEC(121)=0.01151 \$
 CRD NO....15 PWRDUC(30)=0.05305,PWRDUC(121)=0.05305 \$
 CRD NO....16 PWRIUC(30)=0.03343,PWRIUC(121)=0.03343 \$
 CRD NO....17 EPNINT(1)=0.93,0.93 \$
 CRD NO....18 EPNRLD(1)=0.93,0.93 \$
 CRD NO....19 EPNOUT(1)=0.002,0.002 \$
 CRD NO....20 PWRFAB(30)=1.253,PWRFAB(121)=1.253 \$
 CRD NO....21 PURFAB(30)=2.742,PURFAB(121)=2.742 \$
 CRD NO....22 PWRREC(30)=1.566,PWRREC(121)=1.566 \$
 CRD NO....23 PURREC(30)=1.398,PURREC(121)=1.398 \$
 CRD NO....24 LFYUR=1995 , LFYPUR=1995 \$\$
 DTA CALL NO.....8 INPUT EDITS

00004092
 00004093
 00004094
 00004095
 00004096
 00004097
 00004098
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 00004100
 00004101
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 00004114
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00004116

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 CRD NO....1 \$\$

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	723.7	1161.3	335.1	0.	1237.10	888.08	1041.29
2	944.3	983.3	317.9	0.	1186.44	798.73	1041.29
3	936.0	990.6	317.9	0.	1154.86	802.59	1041.29
4	936.0	990.6	317.9	0.	1133.80	802.59	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.3	0.	0.7	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
96	986.	37.8	633.	2.0	3.	0.3	1.	1.7	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.4	1.	3.6	6.	18.9	368.	21.5	74.	12.9	294.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.8	2.	5.2	11.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	718.	9.0	22.	1.3	3.	8.0	19.	14.2	398.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	753.	12.0	34.	2.7	5.	9.6	29.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	15.7	753.	12.3	47.	4.3	9.	8.3	37.	31.2	435.	26.2	99.	26.4	336.	0.	0.
02	1276.	17.0	753.	14.0	61.	6.5	15.	8.3	46.	32.9	462.	27.9	104.	28.1	359.	0.	0.
03	1319.	17.8	755.	15.8	76.	8.6	22.	8.5	54.	33.2	487.	29.9	109.	27.5	378.	0.	0.
04	1363.	18.7	760.	17.5	94.	10.7	30.	9.4	64.	33.6	509.	31.7	116.	27.2	393.	0.	0.
05	1404.	19.6	758.	49.1	143.	13.4	39.	40.0	103.	0.	503.	33.3	123.	0.	380.	0.	0.
06	1446.	20.6	756.	51.4	194.	16.7	49.	41.2	145.	0.	496.	34.6	130.	0.	366.	0.	0.
07	1490.	21.6	755.	53.9	248.	26.7	68.	35.7	180.	0.	487.	34.7	134.	0.	353.	0.	0.
08	1536.	20.1	758.	50.1	298.	36.8	94.	24.0	204.	0.	480.	35.0	138.	0.	343.	0.	0.
09	1584.	21.0	762.	52.0	350.	45.8	126.	19.6	224.	0.	472.	35.2	140.	0.	332.	0.	0.
10	1634.	25.9	771.	50.5	400.	52.3	162.	14.9	239.	0.	463.	35.5	141.	0.	322.	0.	0.
11	1686.	27.0	780.	52.4	453.	58.0	193.	21.1	260.	0.	453.	35.6	141.	0.	312.	0.	0.
12	1740.	28.1	790.	54.4	507.	67.9	224.	23.4	283.	0.	442.	35.2	142.	0.	300.	0.	0.
13	1795.	33.8	806.	52.6	560.	79.2	257.	19.1	302.	0.	430.	34.7	141.	0.5	289.	0.	0.
14	1853.	35.2	822.	54.6	614.	90.2	295.	16.7	319.	0.	417.	34.2	140.	1.3	277.	0.	0.
15	1913.	36.6	839.	56.8	671.	98.3	336.	16.5	336.	0.	403.	33.7	138.	1.9	265.	0.	0.
16	1975.	38.1	857.	59.0	730.	105.1	373.	21.8	357.	0.	388.	33.2	136.	2.0	252.	0.	0.
17	2039.	39.6	875.	61.3	792.	111.1	405.	29.5	387.	0.	372.	32.3	133.	2.4	238.	0.	0.
18	2105.	41.2	895.	63.8	855.	119.3	434.	34.7	422.	0.	355.	31.4	131.	2.9	224.	0.	0.
19	2174.	42.9	915.	66.3	922.	129.4	465.	35.1	457.	0.	337.	30.4	127.	3.4	210.	0.	0.
20	2245.	44.7	936.	68.9	991.	140.0	500.	34.1	491.	0.	318.	29.4	123.	3.8	195.	0.	0.
21	2198.	0.	909.	0.	991.	150.2	539.	0.	452.	0.	298.	28.3	119.	4.0	178.	0.	0.
22	2149.	0.	881.	0.	991.	160.2	580.	0.	411.	0.	277.	27.0	115.	4.3	162.	0.	0.
23	2097.	0.	850.	0.	991.	155.6	606.	0.	385.	0.	256.	25.7	110.	4.7	146.	0.	0.

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24	2043.	0.	817.	0.	991.	151.9	618.	0.	373.	0.	234.	24.3	105.	5.1	129.	0.	0.
25	1985.	0.	783.	0.	990.	152.2	620.	0.	370.	0.	213.	22.9	100.	5.4	113.	0.	0.
26	1925.	0.	745.	0.	988.	155.6	615.	4.8	372.	0.	192.	21.5	94.	5.6	98.	0.	0.
27	1862.	0.	705.	0.	984.	160.7	620.	0.	363.	0.	173.	19.9	89.	5.7	85.	0.	0.
28	1795.	0.	661.	0.	978.	154.7	623.	0.	354.	0.	156.	18.4	83.	5.9	74.	0.	0.
29	1726.	0.	615.	0.	969.	145.9	617.	6.4	352.	0.	142.	17.0	77.	5.9	65.	0.	0.
30	1653.	0.	565.	0.	957.	139.6	601.	16.0	356.	0.	131.	15.7	71.	5.7	60.	0.	0.
31	1594.	0.	550.	0.	944.	137.0	577.	23.7	367.	0.	100.	14.5	66.	5.4	34.	0.	0.
32	1530.	0.	533.	0.	930.	137.4	560.	17.3	370.	0.	67.	13.4	61.	5.0	6.	0.	0.
33	1463.	0.	518.	0.	915.	140.2	554.	5.6	360.	0.	34.	-10.1	34.	5.7	0.	0.	0.
34	1393.	0.	496.	0.	897.	139.4	554.	0.2	343.	0.	0.	-17.8	0.	0.	0.	0.	0.
35	1324.	0.	476.	0.	848.	135.8	553.	1.3	295.	0.	0.	14.5	0.	0.	0.	0.	0.
36	1262.	0.	456.	0.	797.	131.7	547.	5.7	250.	0.	0.	13.4	0.	0.	0.	0.	0.
37	1177.	0.	434.	0.	743.	122.3	529.	18.0	214.	0.	0.	-10.1	0.	0.	0.	0.	0.
38	1107.	0.	414.	0.	693.	114.5	504.	24.9	188.	0.	0.	-17.8	0.	0.	0.	0.	0.
39	1034.	0.	393.	0.	641.	107.5	476.	28.3	165.	0.	0.	14.5	0.	0.	0.	0.	0.
40	957.	0.	367.	0.	590.	100.5	445.	31.2	145.	0.	0.	13.4	0.	0.	0.	0.	0.
41	878.	0.	340.	0.	538.	92.5	415.	29.7	123.	0.	0.	-10.1	0.	0.	0.	0.	0.
42	796.	0.	312.	0.	483.	80.4	381.	34.1	102.	0.	0.	-17.8	0.	0.	0.	0.	0.
43	709.	0.	278.	0.	431.	67.9	341.	39.6	89.	0.	0.	14.5	0.	0.	0.	0.	0.
44	619.	0.	243.	0.	376.	57.6	299.	42.9	78.	0.	0.	13.4	0.	0.	0.	0.	0.
45	526.	0.	207.	0.	319.	50.6	257.	41.9	63.	0.	0.	-10.1	0.	0.	0.	0.	0.
46	429.	0.	168.	0.	260.	44.1	220.	36.3	40.	0.	0.	-17.8	0.	0.	0.	0.	0.
47	328.	0.	129.	0.	199.	37.8	190.	30.2	9.	0.	0.	14.5	0.	0.	0.	0.	0.
48	223.	0.	88.	0.	135.	2.8	135.	0.	0.	0.	0.	13.4	0.	0.	0.	0.	0.
49	114.	0.	45.	0.	69.	0.	69.	0.	0.	0.	0.	-10.1	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-17.8	0.	0.	0.	0.	0.

17	190.00	207.01	0.	397.01	310.92	112.29	56.29	38.85	27.09	27.09	0.	0.	0.	900.63	900.63
18	191.89	210.87	0.	402.77	313.25	115.88	58.26	39.78	29.29	29.29	0.	0.	0.	915.36	915.36
19	193.75	214.66	0.	408.41	315.52	119.43	60.39	40.70	31.65	31.65	0.	0.	0.	929.93	929.93
20	195.58	218.37	0.	413.95	317.72	122.93	62.69	41.61	34.20	34.20	0.	0.	0.	944.44	944.44
21	195.58	218.37	0.	413.95	319.75	126.23	64.85	42.42	36.91	36.91	0.	0.	0.	958.91	958.91
22	195.58	218.37	0.	413.95	321.61	129.33	66.90	43.12	39.51	39.51	0.	0.	0.	967.19	967.19
23	195.58	218.37	0.	413.95	323.32	132.24	68.79	43.72	42.00	42.00	0.	0.	0.	974.91	974.91
24	195.58	218.37	0.	413.95	324.87	134.95	70.53	44.25	44.44	44.44	0.	0.	0.	982.01	982.01
25	195.58	218.37	0.	413.95	326.28	137.47	72.19	44.73	46.88	46.88	0.	0.	0.	988.55	988.55
26	195.58	218.37	0.	413.95	327.55	139.82	73.77	45.17	49.34	49.34	0.	0.	0.	994.61	994.61
27	195.58	218.37	0.	413.95	328.68	142.00	75.28	45.57	51.68	51.68	0.	0.	0.	1000.25	1000.25
28	195.58	218.37	0.	413.95	329.67	144.03	76.70	45.94	53.85	53.85	0.	0.	0.	1005.48	1005.48
29	195.58	218.37	0.	413.95	330.54	145.91	78.07	46.29	55.89	55.89	0.	0.	0.	1010.29	1010.29
30	195.58	218.37	0.	413.95	331.29	147.65	79.43	46.62	57.82	57.82	0.	0.	0.	1014.76	1014.76
31	195.58	218.37	0.	413.95	331.98	149.23	80.58	46.92	59.66	59.66	0.	0.	0.	1018.93	1018.93
32	195.58	218.37	0.	413.95	332.63	150.67	81.59	47.19	61.44	61.44	0.	0.	0.	1022.65	1022.65
33	195.58	218.37	0.	413.95	333.23	151.96	82.45	47.43	63.29	63.29	0.	0.	0.	1026.02	1026.02
34	195.58	218.37	0.	413.95	333.79	153.13	83.15	47.63	65.20	65.20	0.	0.	0.	1029.02	1029.02
35	195.58	218.37	0.	413.95	334.30	154.17	83.85	47.80	66.91	66.91	0.	0.	0.	1031.63	1031.63
36	195.58	218.37	0.	413.95	334.78	155.10	84.42	47.94	68.38	68.38	0.	0.	0.	1034.07	1034.07
37	195.58	218.37	0.	413.95	335.22	155.93	84.92	48.06	69.72	69.72	0.	0.	0.	1036.19	1036.19
38	195.58	218.37	0.	413.95	335.62	156.66	85.39	48.16	70.98	70.98	0.	0.	0.	1038.08	1038.08
39	195.58	218.37	0.	413.95	336.00	157.30	85.81	48.24	72.06	72.06	0.	0.	0.	1039.78	1039.78
40	195.58	218.37	0.	413.95	336.33	157.85	86.19	48.31	72.99	72.99	0.	0.	0.	1041.29	1041.29
41	195.58	218.37	0.	413.95	336.63	158.33	86.49	48.37	73.80	73.80	0.	0.	0.	1042.63	1042.63
42	195.58	218.37	0.	413.95	336.90	158.74	86.74	48.41	74.53	74.53	0.	0.	0.	1043.76	1043.76
43	195.58	218.37	0.	413.95	337.12	159.09	86.97	48.45	75.12	75.12	0.	0.	0.	1044.73	1044.73
44	195.58	218.37	0.	413.95	337.31	159.37	87.18	48.48	75.61	75.61	0.	0.	0.	1045.57	1045.57
45	195.58	218.37	0.	413.95	337.46	159.60	87.36	48.51	76.05	76.05	0.	0.	0.	1046.28	1046.28
46	195.58	218.37	0.	413.95	337.58	159.77	87.48	48.52	76.47	76.47	0.	0.	0.	1046.87	1046.87
47	195.58	218.37	0.	413.95	337.66	159.90	87.53	48.52	76.79	76.66	0.	0.	0.	1047.30	1047.30
48	195.58	218.37	0.	413.95	337.72	159.99	87.53	48.52	77.03	76.81	0.	0.	0.	1047.44	1047.57
49	195.58	218.37	0.	413.95	337.75	160.03	87.53	48.52	77.24	76.96	0.	0.	0.	1047.49	1047.71
50	195.58	218.37	0.	413.95	337.75	160.03	87.53	48.52	77.46	77.13	0.	0.	0.	1047.50	1047.78
											0.	0.	0.	1047.45	1047.78

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TABLE A-5

50% HIGHER GCR REPROCESSING COST COMPUTER OUTPUT

		Present Valued Benefit (Billions of \$)	Case Page Number
CASE 1.	No reprocessing and the LWR is the only nuclear option. [1153.80]	--	A-17
CASE 2.	With reprocessing and the LWR is the only nuclear option. [1065.34] (Case 1 - Case 2)	88	A-22
CASE 3.	No reprocessing and the LWR and PBR-4021 are the only nuclear options. [1109.14] (Case 1 - Case 3)	45	A-174
CASE 4.	With reprocessing and the LWR and PBR-4021 are the only nuclear options. [1061.26] (Case 2 - Case 4)	4	A-179
CASE 5.	With reprocessing and the LWR, PBR-4021, PBR-PB, and PBR-NB are the only nuclear options. [1062.93] (Case 2 - Case 5)	2	A-184
CASE 6.	With reprocessing and the LWR, PBR-4021, PBR-PB, and PBR-PBTBR are the only nuclear options. [1049.95] (Case 2 - Case 6)	15	A-1
CASE 7.	No reprocessing and the LWR and HTGR-OC are the only nuclear options. [1152.31] (Case 1 - Case 7)	1	A-194
CASE 8.	With reprocessing and the LWR and HTGR-RC are the only nuclear options. [1042.12] (Case 2 - Case 8)	23	A-200
CASE 9.	With reprocessing and the LWR and HTGR-HC are the only nuclear options. [1054.78] (Case 2 - Case 9)	11	A-205
CASE 10.	With reprocessing and the LWR and PBR-78 are the only nuclear options. [1048.17] (Case 2 - Case 10)	17	A-210

[] = Present valued cost of generating electricity for this case.

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (***** REFERENCE INFORMATION FOR OCR INCENTIVES CASES *****)\$
 CRD NO....2 (DATA LAST CHANGED 1-5-79)\$
 CRD NO....3 (BASE DATA SET FOR PBR,S)\$
 CRD NO....4 \$
 CRD NO....5 (BREEDER PERFORMANCE DATA)\$
 CRD NO....6 \$
 CRD NO....7 (LMFBR OUT OF CORE RATIOS)\$
 CRD NO....8 O9(30)=2.5,O9(65)=2.5,O9(80)=1.5,O9(121)=1.5 \$
 CRD NO....9 (LMFBR SPECIFIC POWER KWTH/KG PU FISSILE FOR 1ST CORE)\$
 CRD NO....10 D3(30)=1000. , D3(121)=1000. \$
 CRD NO....11 (LMFBR THERMAL EFFICIENCY)\$
 CRD NO....12 D4(30)=0.38,D4(121)=0.38 \$
 CRD NO....13 \$
 CRD NO....14 (INVENTORY SLOPES)\$
 CRD NO....15 \$
 CRD NO....16 (INVENTORY ON U-CYCLE LWR PU (MILLS/KW-HR)/(\$/GM PU))\$
 CRD NO....17 CBUINV=0.0 , CPUINV=0.00236 \$
 CRD NO....18 CGUINV=0.003126 \$
 CRD NO....19 (PU CREDIT BASED ON LEVELIZATION PERIOD - (MILLS/KWHR)/(\$/GM))\$
 CRD NO....20 BWRSFI =0.0 , PWRSFI=0.0565\$
 CRD NO....21 \$
 CRD NO....22 (LWR U-CYCLE & HTGR PERFORMANCE DATA)\$
 CRD NO....23 \$
 CRD NO....24 (BWR,PWR,HTGR SPECIFIC POWERS -- MWTH/MTU)\$
 CRD NO....25 SPECIF(1)=1838.0,1714.0,28.9 \$
 CRD NO....26 (BWR,PWR,HTGR RELOAD BURNUPS -- MWTH/MTU)\$
 CRD NO....27 BUPRLO(1)=1309430.0,571210.0,27500.0 \$
 CRD NO....28 (BWR,PWR,HTGR EFFICIENCY)\$
 CRD NO....29 EFFICY(1)=0.38,0.38,0.34 \$
 CRD NO....30 \$
 CRD NO....31 (PLUTONIUM PERFORMANCE DATA)\$
 CRD NO....32 \$
 CRD NO....33 PURCIN=242.0\$ INVERSE OF 4130.5 KG PU LOAD REQUIREMENT FOR 1000MWE
 CRD NO....34 PURCDC=257.0\$ INVERSE OF 3891.8 KG PU DISCHARGE PER 1000MWE
 CRD NO....35 (LWR PU RECYCLE PU CONSUMPTION RATE - KG PU/MWE-YR AT 100% CF)\$
 CRD NO....36 PURPCR(30) = 0.0748 , PURPCR(121)= 0.0748 \$
 CRD NO....37 (LWR PU RECYCLE PLUTONIUM INVENTORY - (MILLS/KWE-HR)/(\$/GM PU))\$
 CRD NO....38 PURPIS(30) = 0.06816 , PURPIS(121)= 0.06816 \$
 CRD NO....39 (VALUE OF PU AFTER ONE RECYCLE - %/100) \$
 CRD NO....40 FFJVAU = 1.0 \$
 CRD NO....41 (NET PU PRODUCTION -- KG PU FISSILE/MWE-YR AT 100% CF)\$
 CRD NO....42 FBRPUP(30)=0.196,FBRPUP(121)=0.196 \$
 CRD NO....43 BWRPUP(30) = 0.0 , BWRPUP(121)= 0.0 \$
 CRD NO....44 PWRPUP(40) = 0.516 , PWRPUP(121)= 0.516 \$
 CRD NO....45 \$
 CRD NO....46 (U-233 PERFORMANCE DATA) \$
 CRD NO....47 \$
 CRD NO....48 UIRCIN=326.0 \$ INVERSE OF X KG U-233 LOAD REQUIRED FOR 1000 MWE
 CRD NO....49 UIRCDC=636.9 \$ INVERSE OF X KG U-233 DISCHARGE PER 1000 MWE

00000280
 00000290
 00000300
 00000310
 00000320
 00000330
 00000340
 00000350
 00000360
 00000370
 00000380
 00000390
 00000400
 00000410
 00000420
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 00000640
 00000650
 00000660
 00000670
 00000680
 00000690
 00000700
 00000710
 00000720
 00000730
 00000740
 00000750
 00000760

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CRD NO...50 (GCR U-233 CONSUMPTION RATE - KG U-233/MWE-YR AT 100% CF) \$ 00000770
CRD NO...51 UIRICR(30) = 0.6815, UIRICR(121) = 0.6815 \$ 00000780
CRD NO...52 (GCR U-233 RECYCLE INVENTORY - (MILLS/KWE-HR)/(\$/GM PU)) \$ 00000790
CRD NO...53 UIRIIS(30) = 0.0741, UIRIIS(121) = 0.0741 \$ 00000800
CRD NO...54 (VALUE OF U-233 AFTER ONE RECYCLE - %/100) \$ 00000810
CRD NO...55 FUIVAU = 1.00 \$ 00000820
CRD NO...56 (NET U-233 PRODUCTION -- KG U-233 FISSILE/MWE-YR AT 100% CF) \$ 00000830
CRD NO...57 GCRUIP(45) = 0.235, GCRUIP(121) = 0.235 \$ 00000840
CRD NO...58 (U-233 CREDIT BASED ON LEVELIZATION PERIOD-(MILLS/KWHR)/(\$/GM)) \$ 00000850
CRD NO...59 GCRSFI = 0.0237 00000860
CRD NO...60 \$ 00000870
CRD NO...61 (FUEL SERVICE CHARGES)\$ 00000880
CRD NO...62 \$ 00000890
CRD NO...63 (LWR AND GCR ENRICHMENT COSTS - (M/KWH)/(\$/SWU)) \$ 00000900
CRD NO...64 BWRDEC(30) = 0.0187, BWRDEC(121) = 0.0187 \$ 00000910
CRD NO...65 BWRIEC(30) = 0.0142, BWRIEC(121) = 0.0142 \$ 00000920
CRD NO...66 PWRDEC(30) = 0.0258, PWRDEC(121) = 0.0258 \$ 00000930
CRD NO...67 PWRIEC(30) = 0.0156, PWRIEC(121) = 0.0156 \$ 00000940
CRD NO...68 GCRDEC(30) = 0.0154, GCRDEC(121) = 0.0154 \$ 00000950
CRD NO...69 GCRIEC(30) = 0.00966, GCRIEC(121) = 0.00966 \$ 00000960
CRD NO...70 (SEPARATIVE WORK COST - \$/SWU)\$ 00000970
CRD NO...71 ECOST(30)=61., ECOST(37)=61., ECOST(40)=75., ECOST(45)=85. \$ 00000980
CRD NO...72 ECOST(121)=85. \$ 00000990
CRD NO...73 SWUPCF = 0.0 \$ 00001000
CRD NO...74 CONVER(35)=4.8, CONVER(40)=4.8, CONVER(60)=4.5, CONVER(121)=4.5 \$ 00001010
CRD NO...75 (LWR AND GCR URANIUM COST (MILLS/KWH)/(\$/LB U308)) \$ 00001020
CRD NO...76 BWRDUC(30) = 0.0368, BWRDUC(121) = 0.0368 \$ 00001030
CRD NO...77 BWRIUC(30) = 0.0364, BWRIUC(121) = 0.0364 \$ 00001040
CRD NO...78 PWRDUC(30) = 0.0503, PWRDUC(121) = 0.0503 \$ 00001050
CRD NO...79 PWRIUC(30) = 0.0458, PWRIUC(121) = 0.0458 \$ 00001060
CRD NO...80 GCRDUC(30) = 0.0407, GCRDUC(121) = 0.0407 \$ 00001070
CRD NO...81 GCRIUC(30) = 0.0468, GCRIUC(121) = 0.0468 \$ 00001080
CRD NO...82 (BWR,PWR,HTGR URANIUM INVENTORY FACTORS)\$ 00001090
CRD NO...83 UINVEN(1)=1.50,1.50,1.50 \$ 00001100
CRD NO...84 (BWR,PWR,GCR URANIUM ENRICHMENTS -- WEIGHT PERCENT U235)\$ 00001110
CRD NO...85 EPNINT(1)=.93,.93,.0203 \$ 00001120
CRD NO...86 EPNRLD(1)=.93,.93,.0273 \$ 00001130
CRD NO...87 EPNOUT(1)=.002,.002,.000 \$ 00001140
CRD NO...88 (TAILS COMPOSITION - WT%U235)\$ 00001150
CRD NO...89 TAILS=0.20\$ 00001160
CRD NO...90 TAILSL=0.0001\$ 00001170
CRD NO...91 (FABRICATION CHARGES - MILLS/KWE-HR)\$ 00001180
CRD NO...92 BWRFAB(30)=.537,BWRFAB(121)=.537 \$ 00001190
CRD NO...93 PWRFAB(30)=1.973,PWRFAB(121)=1.973 \$ 00001200
CRD NO...94 PURFAB(30)=2.025,PURFAB(121)=2.025 \$ 00001210
CRD NO...95 GCRFAB(30)=0.810,GCRFAB(121)=0.810 \$ 00001220
CRD NO...96 UIRFAB(30)=3.00,UIRFAB(121)=3.00 \$ 00001230
CRD NO...97 FBRFAB(30)=1.746,FBRFAB(121)=1.746 \$ 00001240
CRD NO...98 (RECOVERY CHARGES - MILLS/KWE-HR)\$ 00001250
CRD NO...99 BWRREC(30)=0.162,BWRREC(121)=0.162 \$ 00001260
CRD NO...100 PWRREC(30)=2.967,PWRREC(121)=2.967 \$ 00001270
CRD NO...101 PURREC(30)=2.484,PURREC(121)=2.484 \$ 00001280

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CRD NO. 102 GCRREC(30)=1.03,GCRREC(121)=1.03 \$
 CRD NO. 103 UIRREC(30)=1.03,UIRREC(121)=1.03 \$
 CRD NO. 104 FBRREC(30)=2.030,FBRREC(121)=2.030 \$
 CRD NO. 108 (OPERATING & MAINTENANCE COSTS - MILLS/KWE-HRO) \$
 CRD NO. 106 FOSOM(30)=1.60,FOSOM(121)=1.60 \$
 CRD NO. 107 BWRUM(30)=2.12,BWRUM(121)=2.12 \$
 CRD NO. 108 PWRUM(30)=2.12,PWRUM(121)=2.12 \$
 CRD NO. 109 PURUM(30)=2.12,PURUM(121)=2.12 \$
 CRD NO. 110 GCROM(30)=2.12,GCROM(121)=2.12 \$
 CRD NO. 111 UIROM(30)=2.12,UIROM(121)=2.12 \$
 CRD NO. 112 FBROM(30)=2.12,FBROM(121)=2.12 \$
 CRD NO. 113 (CAPITAL COSTS -- \$/KWE) \$
 CRD NO. 114 FOCC(1) = 500.0 , 99999.0 , 99999.0 \$
 CRD NO. 115 BWRCC(1)=660. , BWRCC(121)=660. \$
 CRD NO. 116 PWRCC(1)=660. , PWRCC(121)=660. \$
 CRD NO. 117 GCRCC(1)=600. , GCRCC(121)=600. \$
 CRD NO. 118 FBRCC(1)=660. , FBRCC(121)=660. \$
 CRD NO. 119 \$
 CRD NO. 120 (ANNUAL INFLATION RATES - %/100) \$
 CRD NO. 121 \$
 CRD NO. 122 RATEML(20)=.06,RATEML(121)=.06 \$
 CRD NO. 123 RATEM(20)=.06,RATEM(121)=.06 \$
 CRD NO. 124 RATEFL(20)=.06,RATEFL(121)=.06 \$
 CRD NO. 125 RATEG(1)=.06,RATEG(121)=.06 \$
 CRD NO. 126 RATEN(20)=.06,RATEN(121)=.06 \$
 CRD NO. 127 JTRIP=150 \$
 CRD NO. 128 \$
 CRD NO. 129 (MATERIAL AND LABOR SPLITS) \$
 CRD NO. 130 \$
 CRD NO. 131 FLDFAB=.1,FMBFAB=.9,FLBREC=.3,FMBREC=.2,FLBOM=1.0 \$
 CRD NO. 132 FLDCCC=1.0,FMBCC=0.00 \$
 CRD NO. 133 FLFCC=1.0,FMFCC=0.00,FLFOM=1.0 \$
 CRD NO. 134 FLLCC=1.0,FMLCC=0.00 \$
 CRD NO. 135 FLLFAB=.61 ,FMLFAB=.39 ,FLLREC=.45,FMLREC=.3 ,FLLOM=1.0 \$
 CRD NO. 136 FLLEC=.15 ,FMLEC=.55 ,FLLUC=.5,FMLUC=.4 \$
 CRD NO. 137 FLPFAB=.4,FMPFAB=.6,FLPRECC=.45,FMPREC=.3,FLPUOM=1.0 \$
 CRD NO. 138 FLGCC=1.0,FMGCC=0.00 \$
 CRD NO. 139 FLGFAB=.61 ,FMGFAB=.39 ,FLGREC=.45,FMGREC=.3 ,FLOOM=1.0 \$
 CRD NO. 140 FLOEC=.15 ,FMGEC=.55 ,FLGUC=.5,FMGUC=.4 \$
 CRD NO. 141 FLIFAB=.4,FNIFAB=.6,FLIREC=.45,FMIREC=.3,FLUICOM=1.0 \$
 CRD NO. 142 \$
 CRD NO. 143 (ECONOMICS - INTEREST & DISCOUNT RATES - %/100) \$
 CRD NO. 144 \$
 CRD NO. 145 R=0.1024 \$
 CRD NO. 146 DRWOTP=0.1236,DRWTP=0.1130 \$
 CRD NO. 147 (EFFECTIVE INTEREST RATE PLUS TAXES) \$
 CRD NO. 148 EINRPT=0.1556 \$
 CRD NO. 149 FERD30=0.0252 \$
 CRD NO. 150 FER130=0.1187 \$
 CRD NO. 151 FBRICR=0.1300 \$
 CRD NO. 152 FBRDJB = 0.0193 , FBRIJB = 0.1286 \$
 CRD NO. 153 (AVERAGE CAPITAL CHARGE RATE) \$

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6583T 02 03-10-79 05.899

CRD NO..154 AVECCR=0.1464 \$
CRD NO..155 ACCR30 = 0.1380 \$
CRD NO..156 (REGIONAL CAPITAL CHARGE RATE MULTIPLIERS)\$
CRD NO..157 CCR(1)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
CRD NO..158 CCR(10)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
CRD NO..159 CCR(19)=1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
CRD NO..160 \$
CRD NO..161 (MISCELLANEOUS INPUTS)\$
CRD NO..162 \$
CRD NO..163 A1=2.0,A3=0.5465 \$
CRD NO..164 (YR IN WHICH URAN RECYCLE BEGINS & TIME TO DEPLETION)\$
CRD NO..165 LFYUR =2005 , LTDURS = 1 \$
CRD NO..166 (YR IN WHICH PU RECYCLE BEGINS & TIME TO DEPLETION OF STOCKPILE)\$
CRD NO..167 LFYPUR = 2005 \$
CRD NO..168 LTDURS = 4 \$
CRD NO..169 (YR OF GCR INTRO, YR U-233 RECYCLE BEGINS, YRS TO STOCK DEplete) \$
CRD NO..170 G1 = 1995 , LFYUR = 1990 , LTDURS = 10 \$
CRD NO..171 (FRACTION OF THE CAPITAL COST WHICH IS INTEREST DURING CONSTRUCTION)\$
CRD NO..172 CINDC = 0.0 \$
CRD NO..173 HTGRF = 0.00 \$
CRD NO..174 GCRLIM(1)=1.,2.,4.,6.,9.,12.,14.,16.,18.,20. \$
CRD NO..175 FBRLIM(1)=1.,2.,4.,6.,9.,12.,14.,16.,18.,20. \$
CRD NO..176 JB = 16 \$ D1 = 2010. \$
CRD NO..177 NY = 2050 , LYEAR = 2020
CRD NO..178 IFIRST = 2001 \$
CRD NO..179 IBTOPW = 2005 \$
CRD NO..180 (CAPACITY FACTOR INFORMATION)\$
CRD NO..181 RL11 = 0.70 , RL21 = 0.80 , RL31 = 0.80 , RL61 = 0.70 \$
CRD NO..182 C(1)=1.0,C(6)=1.0,C(40)=.815,C(81)=.421,C(82)=0.0 \$
CRD NO..183 (BWR TO LWR FRACTION)\$
CRD NO..184 BWRLWR=1.00\$
CRD NO..185 NOUT(1)=1,3,1,1,1,1,1,0,0,0,1,0,1,1,1,1,0,0,1,0 \$
CRD NO..186 NOUT(21)=1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1 \$
DTA CALL NO.....2 INPUT EDITS

A-172

CRD NO....1 (CURRENT AVERAGE FOSSIL FUEL COST FOR EXISTING PLANTS - C/MBTU)\$
CRD NO....2 CAFOFc = 90.0 \$
CRD NO....3 (AVERAGE FOSSIL FUEL COSTS - COAL - OIL - GAS - CENTS/MBTU)\$
CRD NO....4 AFOFC(1) = 100.0, 999999.0, 999999.0 \$
CRD NO....5 (FOSSIL FUEL COST MULTIPLIERS - FOFC(I,J) - I=FUEL,J=REGION)\$
CRD NO....6 FOFC(1,1) = 1.108,1.,1. \$
CRD NO....7 FOFC(1,2) = 1.517,1.,1. \$
CRD NO....8 FOFC(1,3) = 1.517,1.,1. \$
CRD NO....9 FOFC(1,4) = 1.913,1.,1. \$
CRD NO....10 FOFC(1,5) = 0.726,1.,1. \$
CRD NO....11 FOFC(1,6) = 1.082,1.,1. \$
CRD NO....12 FOFC(1,7) = 1.082,1.,1. \$
CRD NO....13 FOFC(1,8) = 1.610,1.,1. \$
CRD NO....14 FOFC(1,9) = 0.699,1.,1. \$
CRD NO....15 FOFC(1,10)= 1.240,1.,1. \$
CRD NO....16 FOFC(1,11)= 1.240,1.,1. \$

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00002290

CRD NO...17 FOFC(1,12)= 1.728,1.,1. \$
 CRD NO...18 FOFC(1,13)= 0.475,1.,1. \$
 CRD NO...19 FOFC(1,14)= 0.765,1.,1. \$
 CRD NO...20 FOFC(1,15)= 0.765,1.,1. \$
 CRD NO...21 FOFC(1,16)= 0.990,1.,1. \$
 CRD NO...22 FOFC(1,17)= 0.237,1.,1. \$
 CRD NO...23 FOFC(1,18)= 0.237,1.,1. \$
 CRD NO...24 FOFC(1,19)= 0.581,1.,1. \$
 CRD NO...25 FOFC(1,20)= 1.003,1.,1. \$
 CRD NO...26 FOFC(1,21)= 0.396,1.,1. \$
 CRD NO...27 FOFC(1,22)= 0.396,1.,1. \$
 CRD NO...28 FOFC(1,23)= 1.346,1.,1. \$
 CRD NO...29 FOFC(1,24)= 1.346,1.,1. \$
 CRD NO...30 (FOSSIL FUEL ESCALATION RATES)\$
 CRD NO...31 FFER(1,30)=.01147,.01147,.01147 \$
 CRD NO...32 FFER(1,121)=.01147,.01147,.01147 \$
 CRD NO...33 (FOSSIL THERMAL EFFICIENCIES)
 CRD NO...34 FEFF(1) = 0.38 , 0.38 , 0.38 \$
 CRD NO...35 (NUCLEAR LABOR COST MULTIPLIERS BY REGION)\$
 CRD NO...36 LCMN(1) = 1.086,1.086,1.086,1.086,0.935,0.935,0.935,0.935,1.036,1.036 \$
 CRD NO...37 LCMN(11)=1.036,1.036,0.985,0.985,0.985,0.985,0.985,0.985,0.960,0.960,0.960,0.960 \$
 CRD NO...38 LCMN(21)= 0.998,0.998,0.998,0.998 \$
 CRD NO...39 (FOSSIL LABOR COST MULTIPLIERS BY REGION)\$
 CRD NO...40 LCMF(1) =1.072,1.072,1.072,1.072,0.936,0.936,0.936,0.936,1.030,1.030 \$
 CRD NO...41 LCMF(11)=1.030,1.030,1.001,1.001,1.001,1.001,0.959,0.959,0.959,0.959 \$
 CRD NO...42 LCMF(21)=0.857,0.857,0.857,0.857 \$
 CRD NO...43 (GROWTH RATES)\$
 CRD NO...44 GROW(20)=0.05,GROW(60)=0.05,GROW(81)=0.035,GROW(80)=0.035 \$
 CRD NO...45 GROW(81)=0.03 \$
 CRD NO...46 RGROW(1)=0.852,0.852,0.852,0.852,1.239,1.239,1.239,1.239,0.936,0.936 \$
 CRD NO...47 RGROW(11)=0.936,0.936,0.937,0.937,0.937,0.937,1.239,1.239,1.239,1.239 \$
 CRD NO...48 RGROW(21)=1.014,1.014,1.014,1.014 \$
 CRD NO...49 (1975 REGIONAL INSTALLED CAPACITIES - MWE)\$
 CRD NO...50 CAPBY(1)=26109.,16038.,16038.,16411.,13729.,20190.,20190.,26650. \$
 CRD NO...51 CAPBY(9)=16931.,18744.,18745.,6047.,8134.,12425.,12425.,12200. \$
 CRD NO...52 CAPBY(17)=16304.,16304.,8454.,19323.,13802.,13802.,20703.,20703. \$\$
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A-173

THE ABOVE CASE HAS BEEN SKIPPED (AI IS GREATER THAN 1.0).

START OF CASE (
 QTA CALL NO.....7

031078
 INPUT EDITS

CRD NO....1 (CASE # 3 , LWR AND 4021 - NO RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , 1BTCPW = 2051 \$
 CRD NO....4 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 \$
 CRD NO....5 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 \$
 CRD NO....6 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 \$
 CRD NO....7 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 \$
 CRD NO....8 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 \$
 CRD NO....9 UIRREC(30) = 0.475 , UIRREC(121) = 0.475 \$
 CRD NO....10 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 \$
 CRD NO....11 LFYUIR = 2051 , LFYPUR = 2051 \$
 CRD NO....12 GCRSFI = 0.0 , CGUINV = 0.0 \$
 CRD NO....13 GCKLIM(1) = 1.14, 2.29, 4.57, 6.86, 10.29, 13.71, 16. , 18.29, 20.57, 22.86 \$
 CRD NO....14 EPNOUT(3) = 0.002 \$\$
 DTA CALL NO.....8 INPUT EDITS

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 00003000
 00003010

CRD NO....1 \$\$

NCCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	842.5	1065.9	325.4	0.	1933.98	1683.88	1041.29
2	1082.3	860.2	297.8	0.	1919.07	1641.18	1041.29
3	1076.4	882.1	301.6	0.	1909.76	1643.00	1041.29

00003020

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	600.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	0.	0.	16.0	171.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	0.	0.	17.0	188.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	0.	0.	18.0	206.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	0.	0.	19.0	225.	0.	0.
91	773.	26.6	520.	0.	0.	0.	0.	0.	0.	20.0	244.	0.	0.	20.0	244.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	0.	0.	20.5	265.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	0.	0.	21.0	286.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	0.	0.	22.0	308.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	0.	0.	21.4	329.	0.	0.
A-175 96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	0.	0.	20.7	350.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	0.	0.	18.9	368.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	0.	0.	17.1	385.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	0.	0.	14.2	398.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	0.	0.	11.3	407.	0.	0.
01	1234.	15.7	753.	14.0	48.	0.	0.	14.0	48.	29.2	433.	0.	0.	29.2	433.	0.	0.
02	1275.	17.0	753.	16.0	64.	0.	0.	16.0	64.	30.6	458.	0.	0.	30.6	458.	0.	0.
03	1318.	21.1	759.	18.0	82.	0.	0.	18.0	82.	27.3	477.	0.	0.	27.3	477.	0.	0.
04	1361.	22.1	766.	20.0	102.	0.	0.	20.0	102.	27.3	493.	0.	0.	27.3	493.	0.	0.
05	1404.	27.1	773.	42.5	145.	0.	0.	42.5	145.	0.	466.	0.	0.	0.	466.	0.	0.
06	1447.	29.4	778.	44.6	189.	0.	0.	44.6	189.	0.	479.	0.	0.	0.	479.	0.	0.
07	1492.	29.8	785.	46.7	236.	0.	0.	46.7	236.	0.	471.	0.	0.	0.	471.	0.	0.
08	1539.	27.8	796.	43.4	279.	0.	0.	43.4	279.	0.	464.	0.	0.	0.	464.	0.	0.
09	1588.	28.9	808.	45.1	324.	0.	0.	45.1	324.	0.	455.	0.	0.	0.	455.	0.	0.
10	1638.	30.0	821.	46.8	371.	0.	0.	46.8	371.	0.	446.	0.	0.	0.	446.	0.	0.
11	1691.	31.3	834.	48.7	420.	0.	0.	48.7	420.	0.	436.	0.	0.	0.	436.	0.	0.
12	1745.	32.5	849.	50.6	470.	0.	0.	50.6	470.	0.	425.	0.	0.	0.	425.	0.	0.
13	1802.	42.6	873.	44.8	515.	0.	0.	44.8	515.	0.	413.	0.	0.	0.	413.	0.	0.
14	1861.	44.4	898.	46.6	562.	0.	0.	46.6	562.	0.	400.	0.	0.	0.	400.	0.	0.
15	1922.	46.2	925.	48.4	610.	0.	0.	48.4	610.	0.	386.	0.	0.	0.	386.	0.	0.
16	1985.	48.1	953.	50.3	660.	0.	0.	50.3	660.	0.	371.	0.	0.	0.	371.	0.	0.
17	2050.	50.0	982.	52.2	713.	0.	0.	52.2	713.	0.	355.	0.	0.	0.	355.	0.	0.
18	2118.	52.1	1012.	54.3	767.	0.	0.	54.3	767.	0.	338.	0.	0.	0.	338.	0.	0.
19	2188.	54.2	1044.	56.4	823.	0.	0.	56.4	823.	0.	320.	0.	0.	0.	320.	0.	0.
20	2260.	56.4	1076.	58.6	882.	0.	0.	58.6	882.	0.	301.	0.	0.	0.	301.	0.	0.
21	2213.	0.	1050.	0.	882.	0.	0.	0.	882.	0.	281.	0.	0.	0.	281.	0.	0.
22	2164.	0.	1021.	0.	882.	0.	0.	0.	882.	0.	261.	0.	0.	0.	261.	0.	0.
23	2113.	0.	990.	0.	882.	0.	0.	0.	882.	0.	240.	0.	0.	0.	240.	0.	0.

[illegible]

A-176

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

ECONOMIC COST CASE																

YR	CAPITAL INVESTMENTS				EXPENSES											
**	*****				*****											
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS		
	*****	*****	*****	*****	*****	*****				*****				*****		
						FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU		WITH	W/O	
					FUEL	RECOVERY	FEED	SEP	WK	RECOVERY	SALES	PURCHASES	O&M	PU	PU	
					O&M	O&M				O&M						
77	11.45	5.18	0.	16.63	15.47	1.05	0.48	0.18	0.	0.	0.	0.	0.	33.80	33.80	
78	19.44	9.17	0.	28.61	30.42	2.16	1.50	0.72	0.	0.	0.	0.	0.	63.40	63.40	
79	26.96	13.58	0.	40.54	44.86	3.34	2.61	1.33	0.	0.	0.	0.	0.	92.68	92.68	
80	34.23	18.11	0.	52.37	58.80	4.60	3.79	2.02	0.	0.	0.	0.	0.	121.58	121.58	
81	41.20	22.60	0.	64.13	72.24	5.93	5.05	2.77	0.	0.	0.	0.	0.	150.12	150.12	
82	48.00	27.80	0.	75.80	85.20	7.34	6.38	3.59	0.	0.	0.	0.	0.	178.31	178.31	
83	54.81	32.87	0.	87.30	97.69	8.83	7.79	4.46	0.	0.	0.	0.	0.	206.16	206.16	
84	60.82	38.06	0.	98.88	109.73	10.40	9.27	5.40	0.	0.	0.	0.	0.	233.67	233.67	
85	66.95	43.33	0.	110.28	121.31	12.03	10.84	6.40	0.	0.	0.	0.	0.	260.87	260.87	
86	72.94	48.66	0.	121.59	132.47	13.75	12.48	7.44	0.	0.	0.	0.	0.	287.72	287.72	
87	78.79	54.02	0.	132.81	143.22	15.53	14.19	8.61	0.	0.	0.	0.	0.	314.25	314.25	
88	84.53	59.39	0.	143.93	153.54	17.37	15.98	9.62	0.	0.	0.	0.	0.	340.44	340.44	
89	90.19	64.76	0.	154.94	163.46	19.28	17.85	10.76	0.	0.	0.	0.	0.	366.28	366.28	
90	95.78	70.10	0.	165.86	172.99	21.24	19.78	11.92	0.	0.	0.	0.	0.	391.81	391.81	
91	101.65	75.41	0.	177.06	182.15	23.26	21.79	13.11	0.	0.	0.	0.	0.	417.37	417.37	
92	107.62	80.54	0.	188.16	190.94	25.32	23.84	14.32	0.	0.	0.	0.	0.	442.58	442.58	
93	113.67	85.50	0.	199.17	199.40	27.41	25.92	15.54	0.	0.	0.	0.	0.	467.45	467.45	
94	119.70	90.40	0.	210.11	207.55	29.54	28.03	16.78	0.	0.	0.	0.	0.	492.01	492.01	
95	125.82	95.13	0.	220.95	215.39	31.69	30.16	18.02	0.	0.	0.	0.	0.	516.22	516.22	
96	132.02	99.67	0.	231.69	222.95	33.80	32.30	19.28	0.	0.	0.	0.	0.	540.08	540.08	
97	138.31	104.03	0.	242.34	230.27	36.04	34.44	20.53	0.	0.	0.	0.	0.	563.62	563.62	
98	144.67	108.22	0.	252.89	237.28	38.21	36.55	21.79	0.	0.	0.	0.	0.	586.74	586.74	
99	151.11	112.24	0.	263.35	244.02	40.38	38.67	23.06	0.	0.	0.	0.	0.	609.47	609.47	
00	157.62	116.09	0.	273.71	250.55	42.52	40.84	24.32	0.	0.	0.	0.	0.	631.94	631.94	
01	159.57	122.69	0.	282.25	256.61	44.72	43.43	25.72	0.	0.	0.	0.	0.	652.73	652.73	
02	161.55	129.43	0.	290.98	262.21	46.96	46.23	27.16	0.	0.	0.	0.	0.	673.55	673.55	
03	163.87	135.64	0.	299.51	267.44	49.23	49.16	28.62	0.	0.	0.	0.	0.	693.97	693.97	
04	166.17	141.77	0.	307.94	272.36	51.51	52.26	30.09	0.	0.	0.	0.	0.	714.16	714.16	
05	168.81	147.27	0.	316.08	276.93	53.77	55.27	31.58	0.	0.	0.	0.	0.	733.64	733.64	
06	171.43	152.69	0.	324.13	281.19	56.03	58.41	33.09	0.	0.	0.	0.	0.	752.84	752.84	
07	174.02	158.06	0.	332.08	285.23	58.27	61.56	34.58	0.	0.	0.	0.	0.	771.73	771.73	
08	176.30	162.78	0.	339.07	289.11	60.50	64.85	36.05	0.	0.	0.	0.	0.	789.58	789.58	
09	178.54	167.38	0.	345.92	292.83	62.69	68.30	37.53	0.	0.	0.	0.	0.	807.27	807.27	
10	180.74	171.90	0.	352.64	296.41	64.86	71.92	39.00	0.	0.	0.	0.	0.	824.82	824.82	
11	182.89	176.33	0.	359.22	299.85	66.99	75.84	40.46	0.	0.	0.	0.	0.	842.37	842.37	
12	185.01	180.67	0.	365.68	303.16	69.10	80.19	41.92	0.	0.	0.	0.	0.	860.05	860.05	
13	187.63	184.30	0.	371.93	306.43	71.15	84.04	43.34	0.	0.	0.	0.	0.	877.66	877.66	
14	190.20	187.86	0.	378.06	309.65	73.16	89.85	44.73	0.	0.	0.	0.	0.	895.44	895.44	
15	192.72	191.35	0.	384.07	312.84	75.12	95.21	46.10	0.	0.	0.	0.	0.	913.33	913.33	

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16	195.19	194.77	0.	389.97	315.99	77.02	100.91	47.44	0.	0.	0.	0.	0.	931.34	931.34
17	197.83	198.12	0.	395.75	319.11	78.88	106.79	48.77	0.	0.	0.	0.	0.	949.30	949.30
18	200.02	201.41	0.	401.43	323.20	80.70	112.70	50.07	0.	0.	0.	0.	0.	967.09	967.09
19	202.36	204.63	0.	406.99	325.25	82.47	118.50	51.35	0.	0.	0.	0.	0.	984.57	984.57
20	204.66	207.79	0.	412.46	328.28	84.19	124.21	52.61	0.	0.	0.	0.	0.	1001.75	1001.75
21	204.66	207.79	0.	412.46	331.10	85.79	128.82	53.66	0.	0.	0.	0.	0.	1011.93	1011.93
22	204.66	207.79	0.	412.46	333.70	87.27	133.32	54.64	0.	0.	0.	0.	0.	1021.39	1021.39
23	204.66	207.79	0.	412.46	336.11	88.63	137.41	55.55	0.	0.	0.	0.	0.	1030.16	1030.16
24	204.66	207.79	0.	412.46	338.32	89.90	141.20	56.39	0.	0.	0.	0.	0.	1038.29	1038.29
25	204.66	207.79	0.	412.46	340.35	91.07	144.73	57.18	0.	0.	0.	0.	0.	1045.78	1045.78
26	204.66	207.79	0.	412.46	342.21	92.15	147.99	57.90	0.	0.	0.	0.	0.	1052.70	1052.70
27	204.66	207.79	0.	412.46	343.89	93.14	151.02	58.57	0.	0.	0.	0.	0.	1059.08	1059.08
28	204.66	207.79	0.	412.46	345.41	94.05	153.83	59.19	0.	0.	0.	0.	0.	1064.95	1064.95
29	204.66	207.79	0.	412.46	346.79	94.90	156.44	59.76	0.	0.	0.	0.	0.	1070.35	1070.35
30	204.66	207.79	0.	412.46	348.02	95.67	158.85	60.29	0.	0.	0.	0.	0.	1075.30	1075.30
31	204.66	207.79	0.	412.46	349.18	96.37	160.99	60.78	0.	0.	0.	0.	0.	1079.66	1079.66
32	204.66	207.79	0.	412.46	350.27	97.00	162.69	61.17	0.	0.	0.	0.	0.	1083.56	1083.56
33	204.66	207.79	0.	412.46	351.29	97.56	164.27	61.55	0.	0.	0.	0.	0.	1087.12	1087.12
34	204.66	207.79	0.	412.46	352.24	98.05	165.68	61.88	0.	0.	0.	0.	0.	1090.29	1090.29
35	204.66	207.79	0.	412.46	353.10	98.49	166.96	62.18	0.	0.	0.	0.	0.	1093.19	1093.19
36	204.66	207.79	0.	412.46	353.90	98.88	168.10	62.44	0.	0.	0.	0.	0.	1095.78	1095.78
37	204.66	207.79	0.	412.46	354.63	99.23	169.09	62.66	0.	0.	0.	0.	0.	1098.08	1098.08
38	204.66	207.79	0.	412.46	355.29	99.53	169.97	62.86	0.	0.	0.	0.	0.	1100.10	1100.10
39	204.66	207.79	0.	412.46	355.89	99.80	170.72	63.03	0.	0.	0.	0.	0.	1101.89	1101.89
40	204.66	207.79	0.	412.46	356.44	100.02	171.35	63.18	0.	0.	0.	0.	0.	1103.45	1103.45
41	204.66	207.79	0.	412.46	356.94	100.22	171.88	63.30	0.	0.	0.	0.	0.	1104.79	1104.79
42	204.66	207.79	0.	412.46	357.38	100.38	172.30	63.39	0.	0.	0.	0.	0.	1105.91	1105.91
43	204.66	207.79	0.	412.46	357.78	100.52	172.66	63.48	0.	0.	0.	0.	0.	1106.87	1106.87
44	204.66	207.79	0.	412.46	358.07	100.64	172.93	63.54	0.	0.	0.	0.	0.	1107.64	1107.64
45	204.66	207.79	0.	412.46	358.32	100.73	173.13	63.59	0.	0.	0.	0.	0.	1108.23	1108.23
46	204.66	207.79	0.	412.46	358.52	100.80	173.26	63.63	0.	0.	0.	0.	0.	1108.66	1108.66
47	204.66	207.79	0.	412.46	358.67	100.85	173.33	63.65	0.	0.	0.	0.	0.	1108.94	1108.94
48	204.66	207.79	0.	412.46	358.76	100.88	173.33	63.65	0.	0.	0.	0.	0.	1109.08	1109.08
49	204.66	207.79	0.	412.46	358.81	100.89	173.33	63.65	0.	0.	0.	0.	0.	1109.14	1109.14
50	204.66	207.79	0.	412.46	358.81	100.89	173.33	63.65	0.00	0.	0.	0.	0.	1109.14	1109.14

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DTA CALL NO.....1

INPUT EDITS

PAGE 1

CRD NO....1 (CASE # 4 , LWR AND 4021 - WITH RECYCLE) \$
CRD NO....2 A1 = 0.0 \$
CRD NO....3 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
CRD NO....4 01 = 2051.0 , IBTOPW = 2051 , LFYUIR = 2051 \$\$
DTA CALL NO.....2 INPUT EDITS

00003040
00003050
00003060
00003070

CRD NO....1 \$\$

00003080

NCCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	744.4	1150.7	326.5	0.	1692.80	1453.70	1041.29
2	933.9	992.8	317.6	0.	1635.44	1289.48	1041.29
3	931.0	995.2	317.6	0.	1598.72	1293.81	1041.29
4	927.1	998.7	317.6	0.	1576.06	1299.03	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	462.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	10.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	660.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.0	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	38.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	16.5	49.	14.3	237.	0.	0.
94	895.	32.5	537.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
A-180 96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
97	1033.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	21.5	74.	12.9	294.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	13.6	751.	14.0	48.	0.	0.	14.0	48.	31.3	435.	26.2	99.	26.6	335.	0.	0.
02	1275.	14.7	749.	16.0	64.	0.	0.	16.0	64.	32.9	462.	27.9	104.	28.1	359.	0.	0.
03	1318.	15.4	749.	18.0	82.	0.	0.	18.0	82.	33.0	487.	29.9	109.	27.3	377.	0.	0.
04	1361.	16.2	750.	20.0	102.	0.	0.	20.0	102.	33.2	509.	31.7	116.	26.8	393.	0.	0.
05	1402.	17.0	746.	51.4	153.	0.2	0.	51.1	153.	0.	502.	33.3	123.	0.	380.	0.	0.
06	1444.	17.8	742.	53.8	207.	0.2	0.	53.6	207.	0.	495.	34.6	130.	0.	366.	0.	0.
07	1488.	18.7	738.	56.4	264.	0.2	1.	56.2	263.	0.	487.	34.7	134.	0.	353.	0.	0.
08	1534.	20.1	741.	50.1	314.	0.1	1.	49.9	313.	0.	480.	35.0	138.	0.	342.	0.	0.
09	1582.	21.0	745.	52.0	366.	0.	1.	52.3	365.	0.	472.	35.2	140.	0.	332.	0.	0.
10	1632.	25.9	753.	50.6	416.	0.1	0.	50.6	416.	0.	463.	35.5	140.	0.	322.	0.	0.
11	1684.	31.3	767.	48.7	465.	0.2	0.	48.7	464.	0.	453.	35.6	141.	0.	311.	0.	0.
12	1738.	32.6	781.	50.6	515.	0.1	0.	50.6	515.	0.	442.	35.1	141.	0.	300.	0.	0.
13	1794.	33.8	797.	52.6	563.	0.1	0.	52.6	567.	0.	430.	34.7	141.	0.5	289.	0.	0.
14	1852.	35.2	813.	54.6	623.	0.	0.	54.3	622.	0.	417.	34.2	140.	1.3	277.	0.	0.
15	1912.	36.6	830.	56.8	679.	0.	0.	56.3	679.	0.	403.	33.7	136.	1.9	265.	0.	0.
16	1974.	38.1	848.	53.0	738.	0.	0.	59.1	738.	0.	388.	33.2	136.	2.0	252.	0.	0.
17	2039.	39.6	867.	61.3	800.	0.	0.	61.4	800.	0.	372.	32.3	133.	2.4	238.	0.	0.
18	2104.	41.2	886.	63.8	863.	0.	0.	63.8	863.	0.	355.	31.3	130.	2.9	224.	0.	0.
19	2173.	42.9	906.	66.3	930.	0.	0.	66.3	930.	0.	337.	30.4	127.	3.4	209.	0.	0.
20	2243.	44.7	927.	68.9	999.	0.	0.	68.9	999.	0.	318.	29.3	123.	3.8	194.	0.	0.
21	2187.	0.	900.	0.	999.	0.	0.	0.	999.	0.	238.	28.3	119.	4.0	178.	0.	0.
22	2148.	0.	872.	0.	999.	0.	0.	0.	999.	0.	277.	27.0	115.	4.3	162.	0.	0.
23	2096.	0.	841.	0.	999.	0.	0.	0.	999.	0.	256.	25.7	110.	4.7	146.	0.	0.

24	2041.	0.	809.	0.	999.	0.	0.	0.	999.	0.	234.	24.3	105.	5.1	129.	0.	0.
25	1984.	0.	774.	0.	998.	0.	0.	0.	998.	0.	213.	22.9	100.	5.4	113.	0.	0.
26	1924.	0.	736.	0.	996.	0.	0.	0.	996.	0.	192.	21.4	94.	5.6	98.	0.	0.
27	1861.	0.	696.	0.	992.	0.	0.	0.	992.	0.	173.	19.9	89.	5.7	85.	0.	0.
28	1794.	0.	653.	0.	986.	0.	0.	0.	986.	0.	156.	18.4	83.	5.9	73.	0.	0.
29	1725.	0.	606.	0.	977.	0.	0.	0.	977.	0.	142.	17.0	77.	5.9	65.	0.	0.
30	1652.	0.	556.	0.	965.	0.	0.	0.	965.	0.	130.	15.7	71.	5.7	59.	0.	0.
31	1593.	0.	543.	0.	951.	0.	0.	0.	951.	0.	99.	14.5	66.	5.4	34.	0.	0.
32	1529.	0.	528.	0.	935.	0.	0.	0.	935.	0.	66.	13.4	61.	5.0	6.	0.	0.
33	1463.	0.	513.	0.	917.	0.	0.	0.	917.	0.	33.	-10.4	33.	5.8	0.	0.	0.
34	1393.	0.	496.	0.	897.	0.	0.	0.	897.	0.	-0.	-17.5	-0.	0.	0.	0.	0.
35	1325.	0.	479.	0.	845.	0.	0.	0.	845.	0.	-0.	14.5	-0.	0.	0.	0.	0.
36	1253.	0.	462.	0.	792.	0.	0.	0.	792.	0.	-0.	13.4	-0.	0.	0.	0.	0.
37	1178.	0.	443.	0.	735.	0.	0.	0.	735.	0.	-0.	-10.4	-0.	0.	0.	0.	0.
38	1108.	0.	423.	0.	685.	0.	0.	0.	685.	0.	-0.	-17.5	-0.	0.	0.	0.	0.
39	1035.	0.	402.	0.	633.	0.	0.	0.	633.	0.	-0.	14.5	-0.	0.	0.	0.	0.
40	959.	0.	376.	0.	583.	0.	0.	0.	583.	0.	-0.	13.4	-0.	0.	0.	0.	0.
41	879.	0.	345.	0.	534.	0.	0.	0.	534.	0.	-0.	-10.4	-0.	0.	0.	0.	0.
42	796.	0.	312.	0.	483.	0.	0.	0.	483.	0.	-0.	-17.5	-0.	0.	0.	0.	0.
43	709.	0.	278.	0.	431.	0.	0.	0.	431.	0.	-0.	14.5	-0.	0.	0.	0.	0.
44	619.	0.	243.	0.	376.	0.	0.	0.	376.	0.	-0.	13.4	-0.	0.	0.	0.	0.
45	526.	0.	207.	0.	319.	0.	0.	0.	319.	0.	-0.	-10.4	-0.	0.	0.	0.	0.
46	429.	0.	168.	0.	260.	0.	0.	0.	260.	0.	-0.	-17.5	-0.	0.	0.	0.	0.
47	326.	0.	129.	0.	199.	0.	0.	0.	199.	0.	-0.	14.5	-0.	0.	0.	0.	0.
48	223.	0.	88.	0.	135.	0.	0.	0.	135.	0.	-0.	13.4	-0.	0.	0.	0.	0.
49	114.	0.	45.	0.	69.	0.	0.	0.	69.	0.	-0.	-10.4	-0.	0.	0.	0.	0.
50	0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	-0.	-17.5	-0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

CAPITAL INVESTMENTS				EXPENSES												
YR													TOTALS			
**	FOSSIL	HTOR LWR	FBR	TOTAL	FOSSIL	LWR			FBR							
	*****	*****	*****	*****	*****	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES	WITH PU	W/O PU	
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	33.97	33.97	
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	63.59	63.59	
79	26.96	13.58	0.	40.54	44.86	3.88	2.30	1.31	0.	0.	0.	0.	0.	92.89	92.89	
80	34.26	18.11	0.	52.37	58.80	5.34	3.31	1.99	0.	0.	0.	0.	0.	121.80	121.80	
81	41.26	22.86	0.	64.13	72.24	6.89	4.37	2.73	0.	0.	0.	0.	0.	150.35	150.35	
82	48.00	27.80	0.	75.80	85.20	8.53	5.50	3.52	0.	0.	0.	0.	0.	178.55	178.55	
83	54.51	32.87	0.	87.38	97.69	10.26	6.70	4.38	0.	0.	0.	0.	0.	206.41	206.41	
84	60.82	38.06	0.	98.88	109.73	12.07	7.95	5.30	0.	0.	0.	0.	0.	233.92	233.92	
85	66.95	43.33	0.	110.28	121.31	13.98	9.26	6.28	0.	0.	0.	0.	0.	261.11	261.11	
86	72.94	48.66	0.	121.59	132.44	15.97	10.63	7.29	0.19	0.19	0.	0.	0.	287.93	287.93	
87	78.79	54.02	0.	132.81	143.14	18.09	11.81	8.23	0.39	0.39	0.	0.	0.	314.08	314.08	
88	84.53	59.39	0.	143.93	153.41	20.33	12.99	9.15	0.59	0.59	0.	0.	0.	339.81	339.81	
89	90.19	64.76	0.	154.94	163.28	22.70	14.18	10.07	0.79	0.79	0.	0.	0.	365.17	365.17	
90	95.76	70.10	0.	165.86	172.77	25.17	15.38	10.98	0.99	0.99	0.	0.	0.	390.16	390.16	
91	101.65	75.41	0.	177.06	181.89	27.70	16.78	11.90	1.27	1.27	0.	0.	0.	415.41	415.41	
92	107.62	80.54	0.	188.16	190.61	30.31	18.12	12.96	1.57	1.57	0.	0.	0.	440.16	440.16	
93	113.67	85.50	0.	199.17	198.98	32.97	19.48	13.93	1.87	1.87	0.	0.	0.	464.51	464.51	
94	119.70	90.40	0.	210.11	207.01	35.69	20.80	14.89	2.17	2.17	0.	0.	0.	488.51	488.51	
95	125.82	95.13	0.	220.95	214.71	38.46	22.13	15.86	2.48	2.48	0.	0.	0.	512.10	512.10	
96	132.02	99.67	0.	231.69	222.11	41.25	23.51	16.85	2.81	2.81	0.	0.	0.	535.41	535.41	
97	138.31	104.03	0.	242.34	229.24	44.04	24.85	17.83	3.16	3.16	0.	0.	0.	558.30	558.30	
98	144.67	108.22	0.	252.89	236.07	46.84	26.15	18.81	3.50	3.50	0.	0.	0.	580.77	580.77	
99	151.11	112.24	0.	263.35	242.64	49.63	27.43	19.79	3.84	3.84	0.	0.	0.	602.84	602.84	
00	157.62	116.09	0.	273.71	248.99	52.39	28.67	20.76	4.17	4.17	0.	0.	0.	624.52	624.52	
01	159.30	123.00	0.	282.31	254.83	55.22	30.28	21.90	4.51	4.51	0.	0.	0.	644.54	644.54	
02	161.02	130.07	0.	291.09	260.21	58.10	31.96	23.10	4.85	4.85	0.	0.	0.	664.45	664.45	
03	162.71	137.03	0.	299.75	265.16	61.02	33.67	24.33	5.20	5.20	0.	0.	0.	683.92	683.92	
04	164.39	143.90	0.	308.29	269.74	63.96	35.48	25.59	5.57	5.57	0.	0.	0.	703.07	703.07	
05	166.05	150.53	0.	316.59	273.91	66.90	37.28	26.94	5.95	5.95	0.	0.	0.	721.62	721.62	
06	167.70	157.09	0.	324.78	277.66	69.83	39.20	28.33	6.32	6.32	0.	0.	0.	739.81	739.81	
07	169.33	163.56	0.	332.89	281.13	72.75	41.15	29.72	6.70	6.70	0.	0.	0.	757.64	757.64	
08	170.98	168.99	0.	339.97	284.40	75.63	43.15	31.10	7.08	7.08	0.	0.	0.	774.25	774.25	
09	172.61	174.31	0.	346.92	287.47	78.46	45.25	32.50	7.45	7.45	0.	0.	0.	790.60	790.60	
10	174.50	179.18	0.	353.68	290.40	81.24	47.41	33.88	7.83	7.83	0.	0.	0.	806.62	806.62	
11	176.66	183.61	0.	360.27	293.22	83.95	49.64	35.26	8.20	8.20	0.	0.	0.	822.33	822.32	
12	178.77	187.96	0.	366.73	295.94	86.59	51.93	36.63	8.56	8.56	0.	0.	0.	837.83	837.83	
13	180.85	192.21	0.	373.06	298.57	89.16	54.39	37.99	8.91	8.92	0.	0.	0.	853.18	853.17	
14	182.98	196.39	0.	379.27	301.11	91.66	56.99	39.36	9.26	9.27	0.	0.	0.	868.41	868.40	
15	184.86	200.48	0.	385.36	303.58	94.10	59.75	40.72	9.61	9.62	0.	0.	0.	883.52	883.51	

17	180.77	208.43	0.	397.20	308.29	98.77	66.25	43.44	10.33	10.34	0.	0.	0.	898.01	890.02
18	190.66	212.29	0.	402.95	310.55	101.01	70.14	44.80	10.71	10.72	0.	0.	0.	913.97	913.96
19	192.52	216.08	0.	408.60	312.75	103.18	74.43	46.14	11.09	11.11	0.	0.	0.	929.46	929.45
20	194.34	219.79	0.	414.14	314.89	105.30	79.15	47.48	11.48	11.50	0.	0.	0.	945.12	945.11
21	194.34	219.79	0.	414.14	316.05	107.25	83.21	48.58	11.87	11.89	0.	0.	0.	960.97	960.95
22	194.34	219.79	0.	414.14	318.65	109.07	87.26	49.62	12.24	12.26	0.	0.	0.	970.05	970.03
23	194.34	219.79	0.	414.14	320.30	110.74	91.11	50.58	12.59	12.60	0.	0.	0.	978.75	978.73
24	194.34	219.79	0.	414.14	321.80	112.28	94.73	51.48	12.89	12.91	0.	0.	0.	986.80	986.86
25	194.34	219.79	0.	414.14	323.15	113.71	98.13	52.32	13.16	13.18	0.	0.	0.	994.44	994.42
26	194.34	219.79	0.	414.14	324.37	115.02	101.29	53.10	13.41	13.42	0.	0.	0.	1001.43	1001.44
27	194.34	219.79	0.	414.14	325.45	116.22	104.28	53.83	13.62	13.64	0.	0.	0.	1007.93	1007.91
28	194.34	219.79	0.	414.14	326.41	117.33	107.08	54.50	13.81	13.82	0.	0.	0.	1013.93	1013.91
29	194.34	219.79	0.	414.14	327.24	118.36	109.73	55.13	13.97	13.99	0.	0.	0.	1019.49	1019.47
30	194.34	219.79	0.	414.14	327.97	119.30	112.22	55.71	14.11	14.13	0.	0.	0.	1024.62	1024.60
31	194.34	219.79	0.	414.14	328.64	120.14	114.31	56.23	14.24	14.26	0.	0.	0.	1029.35	1029.33
32	194.34	219.79	0.	414.14	329.28	120.90	116.17	56.70	14.34	14.36	0.	0.	0.	1033.47	1033.48
33	194.34	219.79	0.	414.14	329.88	121.65	117.86	57.12	14.61	14.62	0.	0.	0.	1037.20	1037.18
34	194.34	219.79	0.	414.14	330.44	122.12	119.35	57.50	15.06	15.08	0.	0.	0.	1040.56	1040.55
35	194.34	219.79	0.	414.14	330.96	122.63	120.75	57.83	15.45	15.46	0.	0.	0.	1043.56	1043.54
36	194.34	219.79	0.	414.14	331.45	123.08	121.98	58.13	15.76	15.78	0.	0.	0.	1046.33	1046.31
37	194.34	219.79	0.	414.14	331.91	123.47	123.04	58.38	16.09	16.11	0.	0.	0.	1048.78	1048.77
38	194.34	219.79	0.	414.14	332.33	123.81	123.98	58.61	16.46	16.48	0.	0.	0.	1050.95	1050.93
39	194.34	219.79	0.	414.14	332.72	124.11	124.79	58.80	16.77	16.79	0.	0.	0.	1052.88	1052.87
40	194.34	219.79	0.	414.14	333.07	124.37	125.49	58.96	17.02	17.04	0.	0.	0.	1054.58	1054.56
41	194.34	219.79	0.	414.14	333.38	124.60	126.08	59.11	17.29	17.31	0.	0.	0.	1056.05	1056.03
42	194.34	219.79	0.	414.14	333.65	124.79	126.58	59.23	17.59	17.61	0.	0.	0.	1057.33	1057.31
43	194.34	219.79	0.	414.14	333.87	124.95	126.98	59.32	17.84	17.85	0.	0.	0.	1058.40	1058.38
44	194.34	219.79	0.	414.14	334.06	125.09	127.28	59.40	18.04	18.06	0.	0.	0.	1059.28	1059.26
45	194.34	219.79	0.	414.14	334.21	125.19	127.49	59.46	18.26	18.27	0.	0.	0.	1059.56	1059.96
46	194.34	219.79	0.	414.14	334.33	125.28	127.63	59.50	18.49	18.51	0.	0.	0.	1060.51	1060.49
47	194.34	219.79	0.	414.14	334.41	125.34	127.69	59.52	18.69	18.71	0.	0.	0.	1060.88	1060.87
48	194.34	219.79	0.	414.14	334.47	125.37	127.69	59.53	18.85	18.87	0.	0.	0.	1061.11	1061.10
49	194.34	219.79	0.	414.14	334.50	125.39	127.69	59.53	19.02	19.04	0.	0.	0.	1061.22	1061.20
50	194.34	219.79	0.	414.14	334.50	125.39	127.69	59.53	19.21	19.23	0.	0.	0.	1061.26	1061.24

0553T 02 03-10-79 06.083

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 5 , LWR , 4021 , PD AND NB - WITH RECYCLE)\$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO....4 IBTOPW = 2016 \$
 CRD NO....5 D1 = 2051.0 , LFYUIR = 2010 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003100
 00003110
 00003120
 00003130
 00003140

00003150

CRD NO....1 \$\$

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	785.1	769.4	721.6	0.	1762.31	1834.21	1041.29
2	1080.4	669.8	560.2	0.	1683.44	1463.58	1041.29
3	1034.5	673.4	582.0	0.	1638.11	1479.24	1041.29
4	985.3	675.9	620.3	0.	1614.24	1492.99	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
***** (T H O U S A N D S O F M W) *****																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
A-185	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
96	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	21.5	74.	12.9	294.	0.	0.
97	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	23.1	81.	10.6	304.	0.	0.
98	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	24.2	87.	7.4	311.	0.	0.
99	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	13.6	751.	14.0	48.	0.	0.	14.0	48.	31.3	435.	26.2	99.	26.6	336.	0.	0.
02	1275.	14.7	749.	16.0	64.	0.	0.	16.0	64.	32.9	462.	27.9	104.	28.1	359.	0.	0.
03	1318.	15.4	749.	18.0	82.	0.	0.	18.0	82.	33.0	487.	29.9	109.	27.3	377.	0.	0.
04	1361.	16.2	750.	20.0	102.	0.	0.	20.0	102.	33.2	509.	31.7	116.	26.8	393.	0.	0.
05	1402.	17.0	746.	61.4	153.	0.2	0.	61.1	153.	0.	502.	33.3	123.	0.	380.	0.	0.
06	1444.	17.8	742.	53.8	207.	0.2	0.	53.6	207.	0.	495.	34.6	130.	0.	366.	0.	0.
07	1489.	18.7	738.	56.4	264.	0.2	1.	56.2	263.	0.	487.	34.7	134.	0.	353.	0.	0.
08	1531.	20.1	741.	60.1	314.	0.1	1.	49.9	313.	0.	480.	35.0	138.	0.	342.	0.	0.
09	1583.	24.9	749.	48.6	362.	0.	1.	48.8	362.	0.	472.	35.2	140.	0.	332.	0.	0.
10	1630.	25.9	757.	60.5	413.	0.1	0.	50.5	412.	0.	463.	35.5	140.	0.	322.	0.	0.
11	1685.	31.3	771.	48.7	461.	0.2	0.	48.7	461.	0.	453.	35.6	141.	0.	311.	0.	0.
12	1739.	32.5	785.	50.6	512.	0.1	0.	50.6	512.	0.	442.	35.1	141.	0.	300.	0.	0.
13	1795.	33.8	801.	52.8	564.	0.1	0.	52.5	564.	0.	430.	34.7	141.	0.5	289.	0.	0.
14	1853.	35.2	817.	54.6	619.	0.	0.	54.8	619.	0.	417.	34.2	140.	1.3	277.	0.	0.
15	1912.	36.6	834.	56.8	676.	0.	0.	56.9	676.	0.	403.	33.7	138.	1.9	265.	0.	0.
16	1983.	48.1	862.	0.	676.	0.	0.	0.1	676.	57.5	445.	33.2	136.	59.4	309.	0.	0.
17	2056.	50.0	891.	0.	676.	0.	0.	0.1	676.	59.7	439.	32.3	133.	62.2	355.	0.	0.
18	2131.	52.1	921.	0.	676.	0.	0.	0.	676.	62.0	534.	34.4	134.	61.8	400.	0.	0.
19	2209.	54.2	953.	0.	676.	0.	0.	0.	676.	64.5	580.	36.7	136.	61.5	444.	0.	0.
20	2289.	56.4	985.	0.	676.	0.	0.	0.	676.	67.0	628.	38.8	142.	61.4	486.	0.	0.
21	2243.	0.	959.	0.	676.	0.	0.	0.	676.	0.	608.	40.9	151.	0.	459.	0.	0.
22	2194.	0.	930.	0.	676.	0.	0.	0.	676.	0.	588.	42.7	159.	0.	429.	0.	0.
23	2142.	0.	899.	0.	676.	0.	0.	0.	676.	0.	567.	42.3	165.	0.	402.	0.	0.

24	2087.	0.	867.	0.	676.	0.	0.	0.	676.	0.	545.	41.9	168.	0.	377.	0.	0.
25	2030.	0.	832.	0.	675.	0.	0.	0.	675.	0.	523.	41.5	168.	0.	355.	0.	0.
26	1970.	0.	794.	0.	673.	0.	0.	0.	673.	0.	503.	41.2	167.	1.4	336.	0.	0.
27	1907.	0.	754.	0.	669.	0.	0.	0.	669.	0.	494.	41.0	166.	1.3	318.	0.	0.
28	1840.	0.	711.	0.	663.	0.	0.	0.	663.	0.	467.	39.7	164.	2.1	303.	0.	0.
29	1771.	0.	664.	0.	654.	0.	0.	0.	654.	0.	452.	38.6	161.	3.0	292.	0.	0.
30	1698.	0.	615.	0.	642.	0.	0.	0.	642.	0.	441.	37.6	157.	3.6	284.	0.	0.
31	1639.	0.	601.	0.	628.	0.	0.	0.	628.	0.	410.	38.9	153.	4.1	257.	0.	0.
32	1575.	0.	586.	0.	612.	0.	0.	0.	612.	0.	377.	38.3	149.	3.4	228.	0.	0.
33	1509.	0.	571.	0.	594.	0.	0.	0.	594.	0.	344.	34.2	145.	4.4	199.	0.	0.
34	1439.	0.	555.	0.	574.	0.	0.	0.	574.	0.	311.	32.0	139.	5.6	171.	0.	0.
35	1371.	0.	538.	0.	522.	0.	0.	0.	522.	0.	311.	30.0	133.	6.9	178.	0.	0.
36	1299.	0.	520.	0.	469.	0.	0.	0.	469.	0.	311.	28.1	124.	8.2	186.	0.	0.
37	1224.	0.	501.	0.	412.	0.	0.	0.	412.	0.	311.	28.2	118.	6.0	192.	0.	0.
38	1154.	0.	481.	0.	362.	0.	0.	0.	362.	0.	311.	27.6	114.	4.5	197.	0.	0.
39	1081.	0.	456.	0.	314.	0.	0.	0.	314.	0.	311.	26.8	111.	3.2	200.	0.	0.
40	1004.	0.	430.	0.	263.	0.	0.	0.	263.	0.	311.	26.0	109.	2.1	202.	0.	0.
41	924.	0.	399.	0.	215.	0.	0.	0.	215.	0.	311.	25.2	106.	3.0	205.	0.	0.
42	841.	0.	366.	0.	164.	0.	0.	0.	164.	0.	311.	25.3	103.	2.2	207.	0.	0.
43	755.	0.	333.	0.	111.	0.	0.	0.	111.	0.	311.	25.2	102.	1.6	209.	0.	0.
44	665.	0.	287.	0.	57.	0.	0.	0.	57.	0.	311.	24.9	101.	1.1	210.	0.	0.
45	572.	0.	261.	0.	-0.	0.	-0.	0.	0.	0.	311.	24.6	100.	0.6	211.	0.	0.
46	468.	0.	213.	0.	-0.	0.	-0.	0.	0.	0.	253.	24.2	99.	1.1	154.	0.	0.
47	356.	0.	163.	0.	-0.	0.	-0.	0.	0.	0.	194.	24.3	98.	0.8	96.	0.	0.
48	242.	0.	111.	0.	-0.	0.	-0.	0.	0.	0.	132.	21.2	94.	3.7	37.	0.	0.
49	123.	0.	56.	0.	-0.	0.	-0.	0.	0.	0.	67.	-2.8	67.	6.7	0.	0.	0.
50	-0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	-0.	-42.8	-0.	0.	0.	0.	0.

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PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES											TOTALS	
	FOSSIL	HTOR LWR	FBR	TOTAL	FOSSIL	LWR				FBR			TOTALS				
						FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES	WITH PU	W/O PU		
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	33.97	33.97		
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	63.59	63.59		
79	26.96	13.58	0.	40.54	44.86	3.86	2.30	1.31	0.	0.	0.	0.	0.	92.89	92.89		
80	34.26	18.11	0.	52.37	58.80	5.34	3.31	1.89	0.	0.	0.	0.	0.	121.80	121.80		
81	41.28	22.86	0.	64.13	72.24	6.89	4.37	2.73	0.	0.	0.	0.	0.	150.35	150.35		
82	48.00	27.80	0.	75.80	85.20	8.53	5.50	3.62	0.	0.	0.	0.	0.	178.55	178.55		
83	54.51	32.87	0.	87.38	97.69	10.26	6.70	4.38	0.	0.	0.	0.	0.	206.41	206.41		
84	60.82	38.06	0.	98.88	109.73	12.07	7.95	5.30	0.	0.	0.	0.	0.	233.92	233.92		
85	66.95	43.33	0.	110.28	121.31	13.98	9.26	6.28	0.	0.	0.	0.	0.	261.11	261.11		
86	72.94	48.66	0.	121.59	132.44	15.97	10.63	7.29	0.19	0.19	0.	0.	0.	287.93	287.93		
87	78.79	54.02	0.	132.81	143.14	18.09	11.81	8.23	0.39	0.39	0.	0.	0.	314.08	314.08		
88	84.53	59.39	0.	143.93	153.41	20.33	12.89	9.15	0.59	0.59	0.	0.	0.	339.81	339.81		
89	90.19	64.76	0.	154.94	163.28	22.70	14.18	10.07	0.79	0.79	0.	0.	0.	365.17	365.17		
90	95.78	70.10	0.	165.86	172.77	25.17	15.38	10.98	0.99	0.99	0.	0.	0.	390.16	390.16		
91	101.65	75.41	0.	177.06	181.88	27.70	16.78	11.98	1.27	1.27	0.	0.	0.	415.41	415.41		
92	107.62	80.54	0.	188.16	190.61	30.31	18.12	12.96	1.57	1.57	0.	0.	0.	440.16	440.16		
93	113.67	85.50	0.	199.17	198.98	32.97	19.46	13.93	1.87	1.87	0.	0.	0.	464.51	464.51		
94	119.70	90.40	0.	210.11	207.01	35.69	20.80	14.89	2.17	2.17	0.	0.	0.	488.51	488.51		
95	125.82	95.13	0.	220.95	214.71	38.46	22.13	15.86	2.48	2.48	0.	0.	0.	512.10	512.10		
96	132.02	99.67	0.	231.69	222.11	41.25	23.51	16.85	2.81	2.81	0.	0.	0.	535.41	535.41		
97	138.31	104.03	0.	242.34	229.24	44.04	24.85	17.83	3.16	3.16	0.	0.	0.	558.30	558.30		
98	144.67	108.22	0.	252.89	236.07	46.84	26.15	18.81	3.50	3.50	0.	0.	0.	580.77	580.77		
99	151.11	112.24	0.	263.35	242.64	49.63	27.43	19.79	3.84	3.84	0.	0.	0.	602.84	602.84		
00	157.62	116.09	0.	273.71	248.99	52.39	28.67	20.76	4.17	4.17	0.	0.	0.	624.52	624.52		
01	159.30	123.00	0.	282.31	254.83	55.22	30.28	21.90	4.51	4.51	0.	0.	0.	644.54	644.54		
02	161.02	130.07	0.	291.09	260.21	58.10	31.96	23.10	4.85	4.85	0.	0.	0.	664.45	664.45		
03	162.71	137.03	0.	299.75	265.16	61.02	33.67	24.33	5.20	5.20	0.	0.	0.	683.92	683.92		
04	164.39	143.90	0.	308.29	269.74	63.86	35.48	25.60	5.57	5.57	0.	0.	0.	703.07	703.07		
05	166.05	150.53	0.	316.59	273.91	66.90	37.28	26.94	5.95	5.95	0.	0.	0.	721.62	721.62		
06	167.70	157.09	0.	324.78	277.66	69.83	39.20	28.33	6.32	6.32	0.	0.	0.	739.81	739.81		
07	169.33	163.56	0.	332.89	281.13	72.75	41.15	29.72	6.70	6.70	0.	0.	0.	757.64	757.64		
08	170.98	168.99	0.	339.97	284.40	75.63	43.15	31.10	7.08	7.08	0.	0.	0.	774.25	774.25		
09	172.91	173.96	0.	346.87	287.50	78.48	45.21	32.47	7.45	7.45	0.	0.	0.	790.52	790.52		
10	174.81	178.83	0.	353.63	290.46	81.22	47.37	33.86	7.83	7.83	0.	0.	0.	806.54	806.54		
11	176.96	183.26	0.	360.22	293.31	83.92	49.58	35.22	8.20	8.20	0.	0.	0.	822.26	822.26		
12	179.08	187.60	0.	366.68	296.06	86.56	51.88	36.59	8.56	8.56	0.	0.	0.	837.77	837.76		
13	181.15	191.28	0.	373.01	298.72	89.12	54.32	37.95	8.91	8.91	0.	0.	0.	853.12	853.11		
14	183.19	196.04	0.	379.22	301.29	91.62	56.90	39.31	9.26	9.26	0.	0.	0.	868.35	868.34		
15	185.19	200.13	0.	385.32	303.70	94.04	59.65	40.67	9.61	9.62	0.	0.	0.	883.46	883.43		

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16	187.86	203.68	0.	391.35	306.26	96.43	62.93	41.95	9.96	9.97	0.	0.	0.	898.93	898.91
17	190.10	207.16	0.	397.26	308.75	98.76	66.74	43.22	10.37	10.36	0.	0.	0.	914.75	914.74
18	192.48	210.58	0.	403.06	311.24	101.06	70.97	44.48	10.83	10.84	0.	0.	0.	930.80	930.78
19	194.83	213.93	0.	408.78	313.73	103.31	75.50	45.65	11.35	11.37	0.	0.	0.	947.05	947.03
20	197.13	217.21	0.	414.34	316.21	105.53	80.56	46.82	11.92	11.94	0.	0.	0.	963.47	963.46
21	197.13	217.21	0.	414.34	318.50	107.60	84.45	47.79	12.55	12.57	0.	0.	0.	972.71	972.69
22	197.13	217.21	0.	414.34	320.62	109.52	88.25	48.70	13.17	13.19	0.	0.	0.	981.46	981.44
23	197.13	217.21	0.	414.34	322.57	111.31	91.80	49.54	13.76	13.78	0.	0.	0.	989.58	989.56
24	197.13	217.21	0.	414.34	324.35	112.97	95.10	50.32	14.32	14.34	0.	0.	0.	997.09	997.06
25	197.13	217.21	0.	414.34	325.97	114.50	98.16	51.04	14.84	14.86	0.	0.	0.	1004.04	1004.02
26	197.13	217.21	0.	414.34	327.45	115.93	100.99	51.70	15.34	15.36	0.	0.	0.	1010.43	1010.41
27	197.13	217.21	0.	414.34	328.77	117.24	103.65	52.31	15.80	15.82	0.	0.	0.	1016.34	1016.32
28	197.13	217.21	0.	414.34	329.96	118.45	106.15	52.88	16.22	16.24	0.	0.	0.	1021.81	1021.79
29	197.13	217.21	0.	414.34	331.02	119.57	108.49	53.41	16.61	16.63	0.	0.	0.	1026.85	1026.83
30	197.13	217.21	0.	414.34	331.95	120.61	110.68	53.90	16.98	17.00	0.	0.	0.	1031.50	1031.48
31	197.13	217.21	0.	414.34	332.83	121.54	112.51	54.32	17.32	17.34	0.	0.	0.	1035.56	1035.54
32	197.13	217.21	0.	414.34	333.66	122.38	114.11	54.70	17.63	17.65	0.	0.	0.	1039.21	1039.19
33	197.13	217.21	0.	414.34	334.44	123.13	115.55	55.04	17.90	17.92	0.	0.	0.	1042.52	1042.50
34	197.13	217.21	0.	414.34	335.17	123.80	116.83	55.34	18.15	18.16	0.	0.	0.	1045.50	1045.48
35	197.13	217.21	0.	414.34	335.66	124.39	118.00	55.60	18.36	18.38	0.	0.	0.	1048.21	1048.19
36	197.13	217.21	0.	414.34	336.51	124.92	119.03	55.82	18.57	18.58	0.	0.	0.	1050.64	1050.62
37	197.13	217.21	0.	414.34	337.13	125.39	119.89	56.00	18.76	18.77	0.	0.	0.	1052.77	1052.75
38	197.13	217.21	0.	414.34	337.70	125.80	120.65	56.16	18.93	18.95	0.	0.	0.	1054.67	1054.66
39	197.13	217.21	0.	414.34	338.22	126.17	121.29	56.30	19.09	19.11	0.	0.	0.	1056.34	1056.32
40	197.13	217.21	0.	414.34	338.70	126.49	121.82	56.41	19.24	19.26	0.	0.	0.	1057.78	1057.76
41	197.13	217.21	0.	414.34	339.13	126.77	122.26	56.50	19.36	19.40	0.	0.	0.	1059.03	1059.01
42	197.13	217.21	0.	414.34	339.52	127.02	122.61	56.57	19.51	19.53	0.	0.	0.	1060.08	1060.06
43	197.13	217.21	0.	414.34	339.85	127.23	122.87	56.62	19.63	19.65	0.	0.	0.	1060.94	1060.92
44	197.13	217.21	0.	414.34	340.15	127.41	123.05	56.65	19.75	19.77	0.	0.	0.	1061.62	1061.60
45	197.13	217.21	0.	414.34	340.40	127.56	123.14	56.67	19.86	19.88	0.	0.	0.	1062.13	1062.11
46	197.13	217.21	0.	414.34	340.60	127.68	123.14	56.68	19.96	19.98	0.	0.	0.	1062.46	1062.44
47	197.13	217.21	0.	414.34	340.74	127.77	123.14	56.68	20.04	20.06	0.	0.	0.	1062.60	1062.68
48	197.13	217.21	0.	414.34	340.84	127.83	123.14	56.68	20.11	20.13	0.	0.	0.	1062.85	1062.83
49	197.13	217.21	0.	414.34	340.88	127.87	123.14	56.68	20.23	20.25	0.	0.	0.	1062.93	1062.91
50	197.13	217.21	0.	414.34	340.88	127.87	123.14	56.68	20.53	20.55	0.	0.	0.	1062.93	1062.91

6553T 02 03-10-79 06.130

DTA CALL NO.....1

INPUT EDITS

PAGE 1

CRD NO....1 (CASE # 6 , LWR , 4021 , PB AND PBTBR - WITH RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 PURCIN = 1.0 , PURCDC = 1.0 \$
 CRD NO....4 GCRLIM(1) = 1.14,2.29,4.67,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO....5 FBR LIM(1) = 1.14,2.29,4.67,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO....6 IBTOPW = 2010 \$
 CRD NO....7 D1 = 2010.0 , LFYUIR = 2010 \$\$
 DTA CALL NO.....2

00003170
 00003180
 00003190
 00003200
 00003210
 00003220
 00003230

CRD NO....1 \$\$

00003240

NCCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	799.6	380.6	1143.5	0.4	1797.60	1659.67	1041.29
2	1264.6	356.4	597.4	1.6	1647.11	1907.81	1041.29
3	1168.4	359.7	689.9	1.6	1575.13	1843.49	1041.29
4	1031.8	359.7	826.4	1.6	1547.09	1811.58	1041.29
5	1026.4	363.1	827.9	1.6	1528.62	1809.87	1041.29

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	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
***** (T H O U S A N D S O F M W) *****																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.8	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	366.	21.5	74.	12.9	294.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	716.	9.0	22.	0.	0.	9.0	22.	14.2	393.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	13.6	751.	14.0	43.	0.	0.	14.0	48.	31.3	435.	26.2	99.	26.6	336.	0.	0.
02	1275.	14.7	749.	16.0	64.	0.	0.	16.0	64.	32.9	462.	27.9	104.	28.1	359.	0.	0.
03	1318.	15.4	749.	18.0	82.	0.	0.	18.0	82.	33.0	487.	29.9	109.	27.3	377.	0.	0.
04	1361.	16.2	750.	20.0	102.	0.	0.	20.0	102.	33.2	509.	31.7	116.	26.8	393.	0.	0.
05	1402.	17.0	746.	51.4	153.	0.0	0.	51.4	153.	0.	502.	33.3	123.	0.	360.	0.	0.
06	1444.	17.8	742.	53.8	207.	0.0	0.	53.8	207.	0.	495.	34.6	130.	0.	366.	0.	0.
07	1488.	21.6	740.	53.9	261.	0.0	0.	53.9	261.	0.	487.	34.7	134.	0.	353.	0.	0.
08	1535.	20.1	744.	50.1	311.	0.0	0.	50.1	311.	0.	480.	35.0	138.	0.	342.	0.	0.
09	1582.	21.0	748.	52.0	363.	0.	0.	52.0	363.	0.	472.	35.2	140.	0.	332.	0.	0.
10	1639.	30.0	760.	0.	363.	0.	0.	0.0	363.	52.4	515.	35.5	140.	51.5	370.	0.1	0.
11	1695.	31.3	774.	0.	363.	0.	0.	0.0	363.	53.3	556.	35.6	141.	52.5	417.	0.1	0.
12	1753.	32.5	788.	0.	363.	0.	0.	0.0	363.	53.2	601.	37.9	144.	50.3	456.	0.1	0.
13	1809.	33.8	804.	0.	363.	0.	0.	0.	363.	53.2	642.	40.4	149.	48.1	492.	0.1	1.
14	1865.	35.2	820.	0.	363.	0.	0.	0.	363.	52.1	681.	42.6	157.	45.0	524.	0.0	1.
15	1919.	36.6	837.	0.	363.	0.	0.	0.	363.	51.2	718.	44.7	166.	42.1	552.	0.2	1.
16	1974.	53.6	870.	0.	363.	0.	0.	0.	363.	36.0	739.	46.5	174.	27.5	565.	0.2	1.
17	2028.	53.9	903.	0.	363.	0.	0.	0.	363.	37.5	761.	49.2	183.	20.7	578.	0.2	1.
18	2083.	54.5	935.	0.	363.	0.	0.	0.	363.	39.1	783.	51.1	191.	30.6	591.	0.2	1.
19	2136.	66.3	980.	0.	363.	0.	0.	0.	363.	23.6	794.	52.9	200.	21.3	595.	0.1	2.
20	2219.	70.7	1026.	0.	363.	0.	0.	0.	363.	52.7	828.	54.7	208.	44.4	620.	0.1	2.
21	2172.	0.	1000.	0.	363.	0.0	0.	0.	363.	0.	808.	55.8	215.	0.	593.	0.	2.
22	2123.	0.	971.	0.	363.	0.0	0.	0.	363.	0.	787.	56.6	222.	0.	565.	0.	2.
23	2072.	0.	940.	0.	363.	0.0	0.	0.	363.	0.	766.	58.1	227.	0.	539.	0.	2.

24	2017.	0.	908.	0.	363.	0.0	0.	0.	363.	0.	744.	57.5	230.	0.	514.	0.	2.
25	1960.	0.	873.	0.	362.	0.0	0.	0.0	362.	0.	723.	57.1	231.	0.	492.	0.	2.
26	1900.	0.	835.	0.	360.	0.0	0.	0.	360.	0.	702.	56.3	229.	2.3	475.	0.	2.
27	1836.	0.	795.	0.	356.	0.0	0.	0.	356.	0.	683.	56.5	227.	1.6	456.	0.	2.
28	1770.	0.	752.	0.	350.	0.0	0.	0.	350.	0.	666.	55.3	225.	2.3	441.	0.	2.
29	1700.	0.	706.	0.	341.	0.0	0.	0.	341.	0.	652.	54.0	222.	3.0	430.	0.	2.
30	1627.	0.	656.	0.	329.	0.0	0.	0.0	329.	0.	641.	53.0	219.	3.3	422.	0.	2.
31	1568.	0.	642.	0.	315.	0.0	0.	0.	315.	0.	609.	52.0	214.	4.5	395.	0.	2.
32	1505.	0.	627.	0.	299.	0.0	0.	0.	299.	0.	577.	51.7	211.	3.6	366.	0.	2.
33	1438.	0.	612.	0.	281.	0.0	0.	0.	281.	0.	544.	49.6	206.	4.4	337.	0.	2.
34	1369.	0.	598.	0.	261.	0.0	0.	0.	261.	0.	510.	47.4	201.	5.6	310.	0.	2.
35	1301.	0.	579.	0.	210.	0.0	0.	0.0	210.	0.	510.	45.3	194.	6.7	316.	0.	2.
36	1229.	0.	561.	0.	156.	0.0	0.	0.0	156.	0.	510.	43.3	186.	8.3	325.	0.	2.
37	1153.	0.	539.	0.	102.	0.0	0.	0.0	102.	0.	510.	43.5	180.	6.1	331.	0.	2.
38	1083.	0.	519.	0.	52.	0.0	0.	0.0	52.	0.	510.	42.8	175.	4.5	335.	0.	2.
39	1010.	0.	498.	0.	0.	0.	0.	0.	0.	0.	510.	42.1	172.	3.2	338.	0.	2.
40	928.	0.	468.	0.	0.	0.	0.	0.	0.	0.	458.	41.3	170.	2.0	288.	0.	1.
41	843.	0.	437.	0.	0.	0.	0.	0.	0.	0.	405.	40.4	167.	3.1	238.	0.	1.
42	757.	0.	403.	0.	0.	0.0	0.	0.	0.	0.	351.	37.8	162.	5.1	190.	0.	1.
43	670.	0.	371.	0.	0.	0.	0.	0.	0.	0.	298.	34.8	154.	7.3	144.	0.	1.
44	503.	0.	336.	0.	0.	0.	0.	0.	0.	0.	246.	31.8	145.	9.5	101.	0.	1.
45	493.	0.	299.	0.	0.	0.	0.	0.	0.	0.	195.	28.9	133.	11.5	61.	0.	1.
46	405.	0.	245.	0.	0.	0.0	0.	0.	0.	0.	159.	26.2	122.	11.6	37.	0.	1.
47	313.	0.	191.	0.	0.	0.	0.	0.	0.	0.	121.	22.7	110.	12.1	12.	0.	0.
48	219.	0.	137.	0.	0.	0.	0.	0.	0.	0.	82.	4.4	82.	11.9	0.	0.	0.
49	123.	0.	71.	0.	0.	0.	0.	0.	0.	0.	53.	-0.7	53.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.0	0.	0.	0.	0.	-0.	-26.5	-0.	0.	0.	0.	0.

(BILLIONS OF \$)
ECONOMIC COST CASE

CAPITAL INVESTMENTS																			EXPENSES										TOTALS	
YR	*****				*****				*****				*****				*****				*****				*****					
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR			FBR			TOTALS			*****		*****		*****											
	*****	*****	*****	*****	*****	FUEL	FABRICATION	URANIUM	PU	PU	FABRICATION	RECOVERY	PU	PU	WITH	W/O														
						O&M	RECOVERY	FEED	SEP	WK	SALES	PURCHASES	O&M	SALES	PURCHASES	PU	PU													
							O&M																							
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	0.	0.	0.	0.	33.97	33.97											
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	0.	0.	0.	0.	63.69	63.69											
79	26.96	13.58	0.	40.54	44.86	3.88	2.30	1.31	0.	0.	0.	0.	0.	0.	0.	0.	0.	92.89	92.89											
80	34.26	18.11	0.	52.37	58.80	5.34	3.31	1.89	0.	0.	0.	0.	0.	0.	0.	0.	0.	121.80	121.80											
81	41.26	22.86	0.	64.13	72.24	6.89	4.37	2.73	0.	0.	0.	0.	0.	0.	0.	0.	0.	150.35	150.35											
82	48.00	27.80	0.	75.80	85.20	8.53	5.50	3.52	0.	0.	0.	0.	0.	0.	0.	0.	0.	178.55	178.55											
83	54.51	32.67	0.	87.38	97.69	10.26	6.70	4.38	0.	0.	0.	0.	0.	0.	0.	0.	0.	206.41	206.41											
84	60.82	38.06	0.	98.88	109.73	12.07	7.95	5.30	0.	0.	0.	0.	0.	0.	0.	0.	0.	233.92	233.92											
85	66.95	43.33	0.	110.28	121.31	13.93	9.28	6.28	0.	0.	0.	0.	0.	0.	0.	0.	0.	261.11	261.11											
86	72.94	48.66	0.	121.59	132.44	15.97	10.63	7.29	0.19	0.19	0.	0.	0.	0.	0.	0.	0.	287.93	287.93											
87	78.79	54.02	0.	132.81	143.14	18.09	11.81	8.23	0.39	0.39	0.	0.	0.	0.	0.	0.	0.	314.08	314.08											
88	84.53	59.39	0.	143.93	153.41	20.33	12.99	9.15	0.59	0.59	0.	0.	0.	0.	0.	0.	0.	339.81	339.81											
89	90.19	64.76	0.	154.94	163.28	22.70	14.18	10.07	0.79	0.79	0.	0.	0.	0.	0.	0.	0.	365.17	365.17											
90	95.76	70.10	0.	165.66	172.77	25.17	15.38	10.98	0.99	0.99	0.	0.	0.	0.	0.	0.	0.	390.16	390.16											
91	101.65	75.41	0.	177.06	181.89	27.70	16.78	11.98	1.27	1.27	0.	0.	0.	0.	0.	0.	0.	415.41	415.41											
92	107.62	80.54	0.	188.16	190.61	30.31	18.12	12.96	1.57	1.57	0.	0.	0.	0.	0.	0.	0.	440.16	440.16											
93	113.67	85.50	0.	199.17	198.98	32.97	19.46	13.93	1.87	1.87	0.	0.	0.	0.	0.	0.	0.	464.31	464.31											
94	119.70	90.40	0.	210.11	207.01	35.69	20.80	14.89	2.17	2.17	0.	0.	0.	0.	0.	0.	0.	488.51	488.51											
95	125.82	95.13	0.	220.95	214.71	38.46	22.13	15.86	2.48	2.48	0.	0.	0.	0.	0.	0.	0.	512.10	512.10											
96	132.02	99.67	0.	231.69	222.11	41.25	23.51	16.85	2.81	2.81	0.	0.	0.	0.	0.	0.	0.	535.41	535.41											
97	138.31	104.03	0.	242.34	229.24	44.04	24.85	17.83	3.16	3.16	0.	0.	0.	0.	0.	0.	0.	558.30	558.30											
98	144.67	108.22	0.	252.89	236.07	46.84	26.15	18.81	3.50	3.50	0.	0.	0.	0.	0.	0.	0.	580.77	580.77											
99	151.11	112.24	0.	263.35	242.64	49.63	27.43	19.79	3.84	3.84	0.	0.	0.	0.	0.	0.	0.	602.84	602.84											
00	157.62	116.09	0.	273.71	248.99	52.39	28.67	20.75	4.17	4.17	0.	0.	0.	0.	0.	0.	0.	624.52	624.52											
01	159.30	123.00	0.	282.31	254.83	55.22	30.28	21.90	4.51	4.51	0.	0.	0.	0.	0.	0.	0.	644.54	644.54											
02	161.62	130.07	0.	291.69	260.21	58.10	31.96	23.10	4.85	4.85	0.	0.	0.	0.	0.	0.	0.	664.45	664.45											
03	162.71	137.03	0.	299.75	265.16	61.02	33.67	24.33	5.20	5.20	0.	0.	0.	0.	0.	0.	0.	683.92	683.92											
04	164.33	143.90	0.	308.29	269.74	63.96	35.48	25.69	5.57	5.57	0.	0.	0.	0.	0.	0.	0.	703.07	703.07											
05	166.05	150.53	0.	316.58	273.91	66.90	37.29	26.94	5.95	5.95	0.	0.	0.	0.	0.	0.	0.	721.62	721.62											
06	167.70	157.09	0.	324.78	277.66	69.33	39.21	28.33	6.32	6.32	0.	0.	0.	0.	0.	0.	0.	739.82	739.82											
07	169.58	163.27	0.	332.85	281.16	72.75	41.13	29.71	6.70	6.70	0.	0.	0.	0.	0.	0.	0.	757.59	757.59											
08	171.23	168.70	0.	339.94	284.45	75.62	43.12	31.08	7.08	7.08	0.	0.	0.	0.	0.	0.	0.	774.20	774.20											
09	172.85	174.03	0.	346.88	287.54	78.44	45.21	32.47	7.46	7.46	0.	0.	0.00	0.	0.01	0.00	0.00	790.55	790.55											
10	175.05	179.62	0.01	353.69	290.53	81.25	47.62	33.78	7.47	7.33	0.00	0.00	0.00	0.	0.01	0.00	0.02	807.24	806.86											
11	177.21	183.04	0.03	360.27	293.42	84.03	50.13	35.07	7.47	8.23	0.00	0.00	0.00	0.00	0.02	0.00	0.02	820.69	822.92											
12	179.32	187.19	0.04	366.55	296.23	86.77	52.71	36.33	7.48	8.65	0.00	0.00	0.00	0.00	0.02	0.00	0.02	839.76	838.59											
13	181.40	191.11	0.05	372.56	298.98	89.48	55.39	37.55	7.48	9.10	0.01	0.00	0.00	0.00	0.02	0.00	0.03	855.59	853.95											
14	183.43	194.73	0.05	378.22	301.68	92.14	58.14	38.72	7.49	9.58	0.01	0.00	0.00	0.00	0.03	0.00	0.03	871.03	868.00											
15	185.43	198.69	0.07	383.59	304.35	94.74	60.97	39.85	7.50	10.09	0.01	0.00	0.00	0.00	0.04	0.00	0.04	886.14	880.52											

	18	21	1	.08	393.58	307.11	37.21	63.11	40.30	7.53	10.65	0.02	0.01	0.08	900.67	897.86
17	190.81	202.30		0.09	393.41	309.96	99.69	66.93	41.91	7.51	11.27	0.02	0.01	0.06	915.73	911.92
18	193.31	204.65		0.11	398.07	312.88	102.04	70.26	42.89	7.61	11.94	0.03	0.01	0.06	930.64	923.17
19	196.18	206.19		0.11	402.48	315.94	104.29	73.59	43.79	7.61	12.65	0.03	0.02	0.06	945.30	940.11
20	199.06	208.77		0.12	407.95	319.03	106.47	77.44	44.70	7.61	13.40	0.04	0.02	0.06	961.55	955.62
21	199.06	208.77		0.12	407.95	321.90	108.50	80.46	45.47	7.51	14.21	0.04	0.02	0.06	971.06	964.32
22	199.06	208.77		0.12	407.95	324.57	110.40	83.42	46.17	7.51	15.02	0.04	0.03	0.06	980.09	972.53
23	199.06	208.77		0.12	407.95	327.04	112.16	86.28	46.82	7.51	15.82	0.05	0.03	0.06	988.61	980.27
24	199.06	208.77		0.12	407.95	329.32	113.79	88.90	47.42	7.51	16.57	0.05	0.03	0.06	996.53	987.43
25	199.06	208.77		0.12	407.95	331.43	115.30	91.36	47.97	7.51	17.29	0.06	0.03	0.06	1003.86	994.06
26	199.06	208.77		0.12	407.95	333.36	116.69	93.63	48.48	7.51	17.96	0.06	0.03	0.06	1010.65	1000.17
27	199.06	208.77		0.12	407.95	335.13	117.98	95.75	48.94	7.52	18.59	0.06	0.04	0.06	1016.92	1005.61
28	199.06	208.77		0.12	407.95	336.74	119.17	97.73	49.37	7.52	19.18	0.07	0.04	0.06	1022.71	1011.03
29	199.06	208.77		0.12	407.95	338.21	120.27	99.58	49.77	7.52	19.72	0.07	0.04	0.06	1028.06	1015.84
30	199.06	208.77		0.12	407.95	339.53	121.28	101.29	50.13	7.52	20.24	0.07	0.04	0.06	1032.99	1020.26
31	199.06	208.77		0.12	407.95	340.79	122.20	102.67	50.44	7.53	20.72	0.07	0.04	0.06	1037.33	1024.12
32	199.06	208.77		0.12	407.95	341.98	123.02	103.86	50.70	7.53	21.15	0.08	0.04	0.06	1041.23	1027.59
33	199.06	208.77		0.12	407.95	343.10	123.75	104.90	50.94	7.53	21.55	0.08	0.04	0.06	1044.76	1030.72
34	199.06	208.77		0.12	407.95	344.17	124.40	105.80	51.14	7.53	21.91	0.08	0.05	0.06	1047.94	1033.54
35	199.06	208.77		0.12	407.95	345.18	124.98	106.61	51.30	7.54	22.24	0.08	0.05	0.06	1050.82	1036.11
36	199.06	208.77		0.12	407.95	346.14	125.50	107.30	51.44	7.54	22.56	0.08	0.05	0.06	1053.43	1038.40
37	199.06	208.77		0.12	407.95	347.04	125.95	107.86	51.54	7.54	22.84	0.09	0.05	0.06	1055.73	1040.42
38	199.06	208.77		0.12	407.95	347.89	126.35	108.32	51.63	7.54	23.10	0.09	0.05	0.06	1057.79	1042.22
39	199.06	208.77		0.12	407.95	348.68	126.71	108.67	51.68	7.54	23.35	0.09	0.05	0.06	1059.59	1043.78
40	199.06	208.77		0.12	407.95	349.41	127.01	108.84	51.73	7.55	23.58	0.09	0.05	0.06	1061.08	1045.04
41	199.06	208.77		0.12	407.95	350.08	127.27	108.95	51.77	7.55	23.78	0.09	0.06	0.06	1062.35	1046.11
42	199.06	208.77		0.12	407.95	350.69	127.48	109.01	51.80	7.55	23.95	0.09	0.06	0.06	1063.43	1047.02
43	199.06	208.77		0.12	407.95	351.23	127.66	109.04	51.82	7.55	24.10	0.09	0.06	0.06	1064.34	1047.79
44	199.06	208.77		0.12	407.95	351.70	127.80	109.05	51.83	7.55	24.23	0.09	0.06	0.06	1065.11	1048.42
45	199.06	208.77		0.12	407.95	352.11	127.91	109.05	51.83	7.56	24.35	0.10	0.06	0.06	1065.74	1048.95
46	199.06	208.77		0.12	407.95	352.43	128.00	109.06	51.84	7.56	24.44	0.10	0.07	0.06	1066.24	1049.37
47	199.06	208.77		0.12	407.95	352.67	128.07	109.06	51.84	7.57	24.51	0.10	0.07	0.06	1066.61	1049.67
48	199.06	208.77		0.12	407.95	352.82	128.11	109.06	51.84	7.58	24.63	0.10	0.07	0.06	1066.91	1049.87
49	199.06	208.77		0.12	407.95	352.88	128.14	109.06	51.84	7.58	24.79	0.10	0.07	0.06	1067.15	1049.95
50	199.06	208.77		0.12	407.95	352.86	128.14	109.06	51.84	7.57	25.06	0.10	0.07	0.06	1067.14	1049.95

START OF CASE (
DTA CALL NO....15

110877
INPUT EDITS

CRD NO....1 (CASE # 7 , LWR AND HTGR-OC -- NO REPROCESSING) \$
CRD NO....2 A1 = 0.0 \$
CRD NO....3 D1 = 2051.0 , IBTOPW = 1977 \$
CRD NO....4 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 \$
CRD NO....5 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 \$
CRD NO....6 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 \$
CRD NO....7 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 \$
CRD NO....8 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 \$
CRD NO....9 UIRREC(30) = 0.475 , UIRREC(121) = 0.475 \$
CRD NO....10 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 \$
CRD NO....11 LFYUIR = 2051 , LFYPUR = 2051 \$
CRD NO....12 GCRSFI = 0.0 , CGUINV = 0.0 \$
CRD NO....13 EPNOUT(3) = 0.002 \$
CRD NO....14 CBUINV = 0.0 , CPUINV = 0.0 \$
CRD NO....15 PWRSFI = 0.0 \$
CRD NO....16 SPECIF(1) = 1710. , 1710. \$
CRD NO....17 BUPRLD(1) = 1161111 , 1161111. \$
CRD NO....18 EFFICY(1) = .38 , .38 \$
CRD NO....19 PWRPUP(40) = 0.0 , PWRPUP(121) = 0.0 \$
CRD NO....20 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
CRD NO....21 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
CRD NO....22 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
CRD NO....23 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
CRD NO....24 EPNINT(1) = .93 , .93 \$
CRD NO....25 EPNRLD(1) = .93 , .93 \$
CRD NO....26 EPNOUT(1) = .002 , .002 \$
CRD NO....27 PWRFAB(30) = 0.7205 , PWRFAB(121) = 0.7205 \$
CRD NO....28 BWRREC(30) = 0.180 , BWRREC(121) = 0.180 \$

00003260
00003270
00003280
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8297T 03 11-08-77 20.148

CRD NO...29 RL21 = 0.70 , RL31 = 0.70 \$\$
DTA CALL NO....16 INPUT EDITS

PAGE 8

00003540

CRD NO....1 \$\$

00003550

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	988.3	34.0	1363.7	0.	2005.62	2496.50	1041.29
2	1596.6	58.0	731.4	0.	1859.40	2348.12	1041.29
3	1544.5	34.0	807.5	0.	1934.12	2365.85	1041.29
4	1535.6	34.0	816.5	0.	1917.93	2368.02	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	18.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	80.	0.	0.	10.0	80.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	0.	0.	16.0	171.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	0.	0.	17.0	188.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	0.	0.	18.0	206.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	0.	0.	19.0	225.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	0.	0.	20.0	244.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	0.	0.	20.5	265.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	0.	0.	21.0	286.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	0.	0.	22.0	308.	0.	0.
95	940.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.5	329.	0.	0.	21.5	329.	0.	0.
A-196	96	987.	37.5	633.	2.0	3.	0.	2.0	3.	21.0	350.	0.	0.	21.0	350.	0.	0.
97	1036.	40.3	660.	4.0	7.	0.	0.	4.0	7.	19.5	369.	0.	0.	19.5	369.	0.	0.
98	1088.	43.3	688.	6.0	13.	0.	0.	6.0	13.	18.0	387.	0.	0.	18.0	387.	0.	0.
99	1142.	46.4	718.	9.0	22.	0.	0.	9.0	22.	15.5	401.	0.	0.	15.5	401.	0.	0.
00	1199.	49.8	753.	12.0	34.	0.	0.	12.0	34.	13.0	412.	0.	0.	13.0	412.	0.	0.
01	1241.	21.7	759.	0.	34.	0.	0.	0.	34.	39.1	448.	0.	0.	39.1	448.	0.	0.
02	1285.	23.5	766.	0.	34.	0.	0.	0.	34.	42.4	485.	0.	0.	42.4	485.	0.	0.
03	1330.	24.7	775.	0.	34.	0.	0.	0.	34.	44.4	520.	0.	0.	44.4	520.	0.	0.
04	1376.	25.8	786.	0.	34.	0.	0.	0.	34.	46.4	555.	0.	0.	46.4	555.	0.	0.
05	1424.	27.1	792.	0.	34.	0.	0.	0.	34.	48.6	598.	0.	0.	48.6	598.	0.	0.
06	1474.	35.7	806.	0.	34.	0.	0.	0.	34.	43.6	634.	0.	0.	43.6	634.	0.	0.
07	1526.	37.4	820.	0.	34.	0.	0.	0.	34.	45.7	672.	0.	0.	45.7	672.	0.	0.
08	1579.	49.5	853.	0.	34.	0.	0.	0.	34.	27.9	692.	0.	0.	27.9	692.	0.	0.
09	1634.	51.5	887.	0.	34.	0.	0.	0.	34.	28.9	713.	0.	0.	28.9	713.	0.	0.
10	1691.	53.6	923.	0.	34.	0.	0.	0.	34.	30.0	734.	0.	0.	30.0	734.	0.	0.
11	1751.	55.8	962.	0.	34.	0.	0.	0.	34.	31.1	755.	0.	0.	31.1	755.	0.	0.
12	1812.	64.7	1008.	0.	34.	0.	0.	0.	34.	25.6	770.	0.	0.	25.6	770.	0.	0.
13	1875.	67.3	1057.	0.	34.	0.	0.	0.	34.	26.6	784.	0.	0.	26.6	784.	0.	0.
14	1941.	79.3	1117.	0.	34.	0.	0.	0.	34.	18.3	790.	0.	0.	18.3	790.	0.	0.
15	2009.	82.5	1180.	0.	34.	0.	0.	0.	34.	19.0	795.	0.	0.	19.0	795.	0.	0.
16	2079.	85.8	1246.	0.	34.	0.	0.	0.	34.	19.8	799.	0.	0.	19.8	799.	0.	0.
17	2152.	89.2	1314.	0.	34.	0.	0.	0.	34.	20.5	804.	0.	0.	20.5	804.	0.	0.
18	2227.	92.8	1385.	0.	34.	0.	0.	0.	34.	21.3	808.	0.	0.	21.3	808.	0.	0.
19	2305.	96.5	1459.	0.	34.	0.	0.	0.	34.	22.2	812.	0.	0.	22.2	812.	0.	0.
20	2386.	100.4	1536.	0.	34.	0.	0.	0.	34.	23.0	816.	0.	0.	23.0	816.	0.	0.
21	2339.	0.	1509.	0.	34.	0.	0.	0.	34.	0.	796.	0.	0.	0.	796.	0.	0.
22	2290.	0.	1480.	0.	34.	0.	0.	0.	34.	0.	776.	0.	0.	0.	776.	0.	0.
23	2239.	0.	1450.	0.	34.	0.	0.	0.	34.	0.	755.	0.	0.	0.	755.	0.	0.

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24	2184.	0.	1417.	0.	34.	0.	0.	0.	34.	0.	733.	0.	0.	0.	733.	0.	0.
25	2127.	0.	1382.	0.	33.	0.	0.	0.	33.	0.	711.	0.	0.	0.	711.	0.	0.
26	2066.	0.	1345.	0.	31.	0.	0.	0.	31.	0.	690.	0.	0.	0.	690.	0.	0.
27	2002.	0.	1304.	0.	27.	0.	0.	0.	27.	0.	671.	0.	0.	0.	671.	0.	0.
28	1935.	0.	1261.	0.	21.	0.	0.	0.	21.	0.	653.	0.	0.	0.	653.	0.	0.
29	1864.	0.	1215.	0.	12.	0.	0.	0.	12.	0.	637.	0.	0.	0.	637.	0.	0.
30	1789.	0.	1165.	0.	0.	0.	0.	0.	0.	0.	624.	0.	0.	0.	624.	0.	0.
31	1728.	0.	1143.	0.	0.	0.	0.	0.	0.	0.	585.	0.	0.	0.	585.	0.	0.
32	1663.	0.	1120.	0.	0.	0.	0.	0.	0.	0.	543.	0.	0.	0.	543.	0.	0.
33	1594.	0.	1095.	0.	0.	0.	0.	0.	0.	0.	499.	0.	0.	0.	499.	0.	0.
34	1521.	0.	1069.	0.	0.	0.	0.	0.	0.	0.	452.	0.	0.	0.	452.	0.	0.
35	1446.	0.	1042.	0.	0.	0.	0.	0.	0.	0.	404.	0.	0.	0.	404.	0.	0.
36	1366.	0.	1006.	0.	0.	0.	0.	0.	0.	0.	360.	0.	0.	0.	360.	0.	0.
37	1283.	0.	969.	0.	0.	0.	0.	0.	0.	0.	314.	0.	0.	0.	314.	0.	0.
38	1206.	0.	919.	0.	0.	0.	0.	0.	0.	0.	286.	0.	0.	0.	286.	0.	0.
39	1125.	0.	868.	0.	0.	0.	0.	0.	0.	0.	257.	0.	0.	0.	257.	0.	0.
40	1042.	0.	814.	0.	0.	0.	0.	0.	0.	0.	227.	0.	0.	0.	227.	0.	0.
41	955.	0.	759.	0.	0.	0.	0.	0.	0.	0.	196.	0.	0.	0.	196.	0.	0.
42	865.	0.	694.	0.	0.	0.	0.	0.	0.	0.	171.	0.	0.	0.	171.	0.	0.
43	771.	0.	627.	0.	0.	0.	0.	0.	0.	0.	144.	0.	0.	0.	144.	0.	0.
44	673.	0.	547.	0.	0.	0.	0.	0.	0.	0.	126.	0.	0.	0.	126.	0.	0.
45	572.	0.	465.	0.	0.	0.	0.	0.	0.	0.	107.	0.	0.	0.	107.	0.	0.
46	466.	0.	379.	0.	0.	0.	0.	0.	0.	0.	87.	0.	0.	0.	87.	0.	0.
47	356.	0.	290.	0.	0.	0.	0.	0.	0.	0.	67.	0.	0.	0.	67.	0.	0.
48	242.	0.	197.	0.	0.	0.	0.	0.	0.	0.	45.	0.	0.	0.	45.	0.	0.
49	123.	0.	100.	0.	0.	0.	0.	0.	0.	0.	23.	0.	0.	0.	23.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.	-0.0	-0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES										TOTALS	
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR				FBR				WITH PU	W/O PU	
						FUEL O&M	FABRICATION RECOVERY O&M	URANIUM FEED SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES			
77	11.45	5.18	0.	16.63	15.47	1.04	0.47	0.18	0.	0.	0.	0.	0.	33.79	33.79	
78	19.44	9.17	0.	28.61	30.43	2.14	1.49	0.71	0.	0.	0.	0.	0.	63.38	63.38	
79	26.96	13.58	0.	40.54	44.87	3.32	2.60	1.32	0.	0.	0.	0.	0.	92.65	92.65	
80	34.26	18.11	0.	52.37	58.81	4.58	3.77	2.01	0.	0.	0.	0.	0.	121.54	121.54	
81	41.26	22.86	0.	64.13	72.25	5.90	5.03	2.75	0.	0.	0.	0.	0.	150.06	150.06	
82	48.00	27.80	0.	75.80	85.22	7.31	6.36	3.56	0.	0.	0.	0.	0.	178.24	178.24	
83	54.51	32.87	0.	87.38	97.71	8.79	7.76	4.43	0.	0.	0.	0.	0.	206.08	206.08	
84	60.82	38.06	0.	98.88	109.74	10.36	9.25	5.37	0.	0.	0.	0.	0.	233.59	233.59	
85	66.95	43.33	0.	110.28	121.33	11.99	10.81	6.36	0.	0.	0.	0.	0.	260.77	260.77	
86	72.94	48.68	0.	121.59	132.49	13.70	12.44	7.40	0.	0.	0.	0.	0.	287.62	287.62	
87	78.79	54.02	0.	132.81	143.24	15.48	14.15	8.47	0.	0.	0.	0.	0.	314.14	314.14	
88	84.53	59.39	0.	143.93	153.56	17.32	15.94	9.57	0.	0.	0.	0.	0.	340.32	340.32	
89	90.19	64.76	0.	154.94	163.48	19.22	17.80	10.71	0.	0.	0.	0.	0.	366.16	366.16	
90	95.76	70.10	0.	165.86	173.02	21.18	19.74	11.87	0.	0.	0.	0.	0.	391.67	391.67	
91	101.65	75.41	0.	177.06	182.17	23.20	21.74	13.06	0.	0.	0.	0.	0.	417.24	417.24	
92	107.62	80.54	0.	188.16	190.97	25.26	23.79	14.27	0.	0.	0.	0.	0.	442.44	442.44	
93	113.67	85.50	0.	199.17	199.43	27.35	25.86	15.49	0.	0.	0.	0.	0.	467.30	467.30	
94	119.70	90.40	0.	210.11	207.57	29.47	27.98	16.72	0.	0.	0.	0.	0.	491.85	491.85	
95	125.82	95.16	0.	220.98	215.42	31.63	30.11	17.97	0.	0.	0.	0.	0.	516.09	516.09	
96	132.02	99.76	0.	231.78	222.98	33.81	32.25	19.22	0.	0.	0.	0.	0.	540.04	540.04	
97	138.31	104.23	0.	242.53	230.33	36.00	34.40	20.49	0.	0.	0.	0.	0.	563.75	563.75	
98	144.67	108.57	0.	253.24	237.46	38.21	36.55	21.76	0.	0.	0.	0.	0.	587.22	587.22	
99	151.11	112.80	0.	263.91	244.40	40.44	38.70	23.04	0.	0.	0.	0.	0.	610.50	610.50	
00	157.62	116.91	0.	274.54	251.20	42.68	40.93	24.34	0.	0.	0.	0.	0.	633.69	633.69	
01	160.31	122.71	0.	283.02	257.59	44.95	43.56	25.68	0.	0.	0.	0.	0.	654.80	654.80	
02	163.05	128.64	0.	291.69	263.58	47.26	46.41	27.04	0.	0.	0.	0.	0.	675.97	675.97	
03	165.76	134.49	0.	300.25	269.23	49.58	49.46	28.42	0.	0.	0.	0.	0.	696.93	696.93	
04	168.44	140.27	0.	308.71	274.57	51.90	52.71	29.80	0.	0.	0.	0.	0.	717.69	717.69	
05	171.08	145.98	0.	317.06	278.56	54.24	56.16	31.18	0.	0.	0.	0.	0.	738.21	738.21	
06	174.38	150.80	0.	325.18	284.30	56.58	59.72	32.52	0.	0.	0.	0.	0.	758.31	758.31	
07	177.64	155.58	0.	333.21	288.89	58.91	63.37	33.83	0.	0.	0.	0.	0.	778.21	778.21	
08	181.70	160.32	0.	340.03	293.55	61.16	66.94	35.04	0.	0.	0.	0.	0.	796.73	796.73	
09	185.70	161.01	0.	346.71	298.28	63.35	70.66	36.22	0.	0.	0.	0.	0.	815.22	815.22	
10	189.61	163.64	0.	353.26	303.07	65.48	74.61	37.36	0.	0.	0.	0.	0.	833.77	833.77	
11	193.46	166.22	0.	359.68	307.92	67.53	78.95	38.46	0.	0.	0.	0.	0.	852.53	852.53	
12	197.67	168.21	0.	365.88	312.90	69.51	83.53	39.50	0.	0.	0.	0.	0.	871.32	871.32	
13	201.80	170.17	0.	371.97	318.01	71.40	88.43	40.51	0.	0.	0.	0.	0.	890.32	890.32	
14	206.39	171.45	0.	377.84	323.34	73.20	93.40	41.44	0.	0.	0.	0.	0.	909.22	909.22	
15	210.89	172.69	0.	383.59	328.09	74.91	98.50	42.32	0.	0.	0.	0.	0.	928.21	928.21	

A-198

A-199

16	215.31	173.91	0.	389.23	334.64	76.53	103.63	43.15	0.	0.	0.	0.	0.	947.15	947.19
17	219.65	175.11	0.	384.76	340.58	78.07	108.76	43.95	0.	0.	0.	0.	0.	966.13	966.13
18	223.91	176.29	0.	400.19	346.70	79.53	113.82	44.71	0.	0.	0.	0.	0.	984.94	984.94
19	228.08	177.44	0.	405.62	353.00	80.91	118.68	45.42	0.	0.	0.	0.	0.	1003.53	1003.53
20	232.18	178.56	0.	410.75	359.45	82.22	123.35	46.10	0.	0.	0.	0.	0.	1021.87	1021.87
21	232.18	178.56	0.	410.75	365.54	83.43	127.30	46.69	0.	0.	0.	0.	0.	1033.70	1033.70
22	232.18	178.56	0.	410.75	371.26	84.54	130.96	47.23	0.	0.	0.	0.	0.	1044.74	1044.74
23	232.18	178.56	0.	410.75	376.64	85.56	134.35	47.73	0.	0.	0.	0.	0.	1055.02	1055.02
24	232.18	178.56	0.	410.75	381.69	86.50	137.47	48.18	0.	0.	0.	0.	0.	1064.59	1064.59
25	232.18	178.56	0.	410.75	386.43	87.36	140.34	48.60	0.	0.	0.	0.	0.	1073.47	1073.47
26	232.18	178.56	0.	410.75	390.86	88.14	142.99	48.98	0.	0.	0.	0.	0.	1081.71	1081.71
27	232.18	178.56	0.	410.75	394.99	88.86	145.42	49.32	0.	0.	0.	0.	0.	1089.33	1089.33
28	232.18	178.56	0.	410.75	398.84	89.50	147.65	49.63	0.	0.	0.	0.	0.	1096.36	1096.36
29	232.18	178.56	0.	410.75	402.41	90.09	149.69	49.91	0.	0.	0.	0.	0.	1102.85	1102.85
30	232.18	178.56	0.	410.75	405.72	90.62	151.56	50.16	0.	0.	0.	0.	0.	1108.80	1108.80
31	232.18	178.56	0.	410.75	408.84	91.09	153.10	50.37	0.	0.	0.	0.	0.	1114.15	1114.15
32	232.18	178.56	0.	410.75	411.79	91.50	154.41	50.55	0.	0.	0.	0.	0.	1119.01	1119.01
33	232.18	178.56	0.	410.75	414.58	91.85	155.52	50.71	0.	0.	0.	0.	0.	1123.41	1123.41
34	232.18	178.56	0.	410.75	417.20	92.16	156.44	50.84	0.	0.	0.	0.	0.	1127.39	1127.39
35	232.18	178.56	0.	410.75	419.68	92.41	157.18	50.95	0.	0.	0.	0.	0.	1130.96	1130.96
36	232.18	178.56	0.	410.75	421.98	92.63	157.80	51.04	0.	0.	0.	0.	0.	1134.19	1134.19
37	232.18	178.56	0.	410.75	424.13	92.80	158.27	51.11	0.	0.	0.	0.	0.	1137.06	1137.06
38	232.18	178.56	0.	410.75	426.09	92.96	158.75	51.18	0.	0.	0.	0.	0.	1139.71	1139.71
39	232.18	178.56	0.	410.75	427.86	93.08	159.13	51.23	0.	0.	0.	0.	0.	1142.05	1142.05
40	232.18	178.56	0.	410.75	429.46	93.19	159.44	51.28	0.	0.	0.	0.	0.	1144.11	1144.11
41	232.18	178.56	0.	410.75	430.90	93.28	159.66	51.31	0.	0.	0.	0.	0.	1145.90	1145.90
42	232.18	178.56	0.	410.75	432.16	93.35	159.85	51.34	0.	0.	0.	0.	0.	1147.45	1147.45
43	232.18	178.56	0.	410.75	433.26	93.41	159.99	51.36	0.	0.	0.	0.	0.	1148.76	1148.76
44	232.18	178.56	0.	410.75	434.17	93.46	160.12	51.38	0.	0.	0.	0.	0.	1149.87	1149.87
45	232.18	178.56	0.	410.75	434.91	93.49	160.21	51.39	0.	0.	0.	0.	0.	1150.75	1150.75
46	232.18	178.56	0.	410.75	435.48	93.52	160.26	51.40	0.	0.	0.	0.	0.	1151.42	1151.42
47	232.18	178.56	0.	410.75	435.90	93.54	160.29	51.41	0.	0.	0.	0.	0.	1151.89	1151.89
48	232.18	178.56	0.	410.75	436.17	93.56	160.29	51.41	0.	0.	0.	0.	0.	1152.18	1152.18
49	232.18	178.56	0.	410.75	436.30	93.56	160.29	51.41	0.	0.	0.	0.	0.	1152.31	1152.31
50	232.18	178.56	0.	410.75	436.30	93.56	160.29	51.41	0.00	0.00	0.	0.	0.	1152.31	1152.31

8287T 03 11-08-77 20.234

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 8 , LWR AND HTGR-RC --- WITH REPROCESSING) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , IBTOPW = 1977 \$
 CRD NO....4 CPUINV = 0.000738 , CBUINV = 0.0 \$
 CRD NO....5 PWRSEI = 0.02255 \$
 CRD NO....6 SPECIF(1) = 1710. , 1710. \$
 CRD NO....7 BUPRLD(1) = 1161111. , 1161111. \$
 CRD NO....8 EFFICY(1) = .38. , .38 \$
 CRD NO....9 PURCIN = 685.8 \$
 CRD NO...10 PURCDC = 1547.0 \$
 CRD NO...11 PURPCR(30) = 0.290 , PURPCR(121) = 0.290 \$
 CRD NO...12 PURPIS(30) = 0.01534 , PURPIS(121) = 0.01534 \$
 CRD NO...13 PWRPUP(40) = 0.204 , PWRPUP(121) = 0.204 \$
 CRD NO...14 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
 CRD NO...15 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
 CRD NO...16 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
 CRD NO...17 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
 CRD NO...18 EPNINT(1) = .93. , .93 \$
 CRD NO...19 EPNRLD(1) = .93. , .93 \$
 CRD NO...20 EPNOUT(1) = .50. , .50 \$
 CRD NO...21 PWRFAB(30) = 0.7205 , PWRFAB(121) = 0.7205 \$
 CRD NO...22 PURFAB(30) = 1.174 , PURFAB(121) = 1.174 \$
 CRD NO...23 PWRREC(30) = 0.840 , PWRREC(121) = 0.840 \$
 CRD NO...24 PURREC(30) = 0.840 , PURREC(121) = 0.840 \$
 CRD NO...25 LFYUR = 1995 , LFYPUR = 1995 \$
 CRD NO...26 RL21 = 0.70 , RL31 = 0.70 \$ \$
 DTA CALL NO.....2 INPUT EDITS

A-200

00003570
 00003580
 00003590
 00003600
 00003610
 00003620
 00003630
 00003640
 00003650
 00003660
 00003670
 00003680
 00003690
 00003700
 00003710
 00003720
 00003730
 00003740
 00003750
 00003760
 00003770
 00003780
 00003790
 00003800
 00003805
 00003810

00003820

CRD NO....1 \$ \$

NCCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	747.7	1041.1	597.2	0.	1456.69	2035.99	1041.29
2	986.7	913.7	485.7	0.	1373.63	1762.31	1041.29
3	979.2	902.8	504.1	0.	1323.64	1779.71	1041.29
4	975.3	906.6	504.1	0.	1291.35	1783.66	1041.29
5	975.3	898.5	512.1	0.	1271.94	1790.43	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	488.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	940.	34.9	609.	1.0	1.	0.1	0.	0.9	1.	21.5	329.	17.5	64.	13.8	265.	0.	0.
A-201	987.	37.5	633.	2.0	3.	0.1	0.	1.9	3.	21.0	350.	18.5	68.	16.5	282.	0.	0.
97	1036.	40.3	660.	4.0	7.	0.2	0.	3.8	7.	19.5	369.	21.5	74.	13.5	295.	0.	0.
98	1088.	43.3	688.	6.0	13.	0.4	1.	5.6	12.	18.0	387.	23.1	81.	11.4	306.	0.	0.
99	1142.	46.4	718.	9.0	22.	0.7	1.	8.5	21.	15.5	401.	24.3	87.	8.7	314.	0.	0.
00	1199.	49.8	753.	12.0	34.	1.3	3.	10.9	32.	13.0	412.	25.4	94.	6.1	318.	0.	0.
01	1241.	15.7	753.	0.	34.	2.1	4.	0.	30.	45.2	454.	26.4	99.	40.3	355.	0.	0.
02	1285.	17.0	753.	0.	34.	3.2	7.	0.	27.	48.9	497.	28.1	104.	43.9	393.	0.	0.
03	1330.	17.8	755.	0.	34.	3.1	10.	0.	25.	51.2	540.	30.9	111.	44.6	429.	0.	0.
04	1376.	22.1	763.	0.	34.	2.9	11.	0.	23.	50.1	579.	33.6	119.	42.0	460.	0.	0.
05	1424.	23.2	765.	0.	34.	3.0	12.	0.	22.	52.6	625.	36.1	129.	42.8	496.	0.	0.
06	1474.	24.4	767.	18.5	53.	3.2	12.	18.6	40.	36.4	654.	38.2	139.	26.3	515.	0.	0.
07	1526.	25.6	770.	31.4	84.	3.5	13.	31.0	71.	26.2	672.	41.1	149.	16.0	523.	0.	0.
08	1579.	23.9	777.	43.7	128.	5.3	15.	41.4	113.	9.8	674.	43.6	159.	0.	515.	0.	0.
09	1634.	28.9	789.	51.5	179.	8.2	20.	46.3	159.	0.	666.	45.3	168.	0.	498.	0.	0.
10	1691.	30.0	802.	53.5	233.	12.1	29.	44.6	204.	0.	657.	46.2	176.	0.	481.	0.	0.
11	1751.	31.3	815.	55.6	288.	16.6	42.	42.6	246.	0.	647.	46.4	182.	0.	466.	0.	0.
12	1812.	32.5	830.	57.8	346.	20.9	58.	42.2	288.	0.	636.	46.9	185.	0.	451.	0.	0.
13	1875.	33.8	845.	60.1	406.	25.9	75.	42.4	331.	0.	624.	47.4	187.	0.	437.	0.	0.
14	1941.	35.2	861.	62.4	469.	31.3	95.	43.2	374.	0.	611.	47.5	188.	0.	423.	0.	0.
15	2009.	36.6	878.	64.9	534.	37.3	115.	44.2	418.	0.	597.	47.2	189.	0.	408.	0.	0.
16	2079.	38.1	896.	67.4	601.	43.5	138.	44.8	463.	0.	582.	46.5	189.	0.4	393.	0.	0.
17	2152.	39.6	915.	70.1	671.	49.8	162.	46.2	509.	0.	566.	46.0	187.	1.4	379.	0.	0.
18	2227.	41.2	934.	72.9	744.	56.0	187.	48.2	557.	0.	549.	45.5	185.	2.1	364.	0.	0.
19	2305.	42.9	954.	75.8	820.	62.4	212.	50.7	608.	0.	531.	44.7	183.	2.5	348.	0.	0.
20	2386.	44.7	975.	78.8	899.	68.9	237.	53.4	661.	0.	512.	43.8	180.	2.7	332.	0.	0.
21	2339.	0.	949.	0.	899.	75.8	263.	0.	635.	0.	492.	42.6	177.	3.4	316.	0.	0.
22	2290.	0.	920.	0.	899.	82.9	290.	0.	609.	0.	472.	41.5	173.	4.0	299.	0.	0.
23	2239.	0.	889.	0.	899.	82.3	310.	0.	589.	0.	451.	40.3	168.	4.5	282.	0.	0.

24	2184.	0.	857.	0.	899.	81.7	323.	0.	576.	0.	429.	39.0	163.	4.8	265.	0.	0.
25	2127.	0.	822.	0.	898.	81.8	329.	0.	569.	0.	407.	37.7	158.	5.0	249.	0.	0.
26	2066.	0.	784.	0.	896.	82.8	329.	0.1	567.	0.	386.	36.1	153.	5.3	233.	0.	0.
27	2002.	0.	744.	0.	892.	84.4	331.	0.	561.	0.	367.	34.6	147.	5.6	219.	0.	0.
28	1935.	0.	701.	0.	886.	83.1	332.	0.	553.	0.	349.	33.2	142.	5.8	207.	0.	0.
29	1864.	0.	654.	0.	877.	81.3	332.	0.5	545.	0.	333.	31.8	136.	5.8	197.	0.	0.
30	1789.	0.	605.	0.	865.	79.7	329.	3.0	536.	0.	320.	30.5	130.	5.7	190.	0.	0.
31	1728.	0.	589.	0.	865.	78.4	323.	6.1	542.	0.	275.	29.1	125.	5.5	150.	0.	0.
32	1663.	0.	572.	0.	855.	77.2	317.	5.8	548.	0.	226.	28.0	119.	5.2	107.	0.	0.
33	1594.	0.	554.	0.	865.	77.7	313.	3.6	552.	0.	175.	25.1	113.	6.7	62.	0.	0.
34	1521.	0.	532.	0.	865.	78.0	311.	1.7	553.	0.	125.	22.1	104.	8.4	20.	0.	0.
35	1446.	0.	509.	0.	865.	78.0	311.	0.3	554.	0.	72.	-2.9	72.	10.2	0.	0.	0.
36	1366.	0.	484.	0.	846.	77.8	312.	0.	534.	0.	36.	-8.4	36.	0.	0.	0.	0.
37	1283.	0.	459.	0.	815.	77.5	311.	0.2	503.	0.	10.	-1.0	10.	0.	0.	0.	0.
38	1206.	0.	435.	0.	771.	75.9	309.	2.1	462.	0.	0.	12.3	0.	0.	0.	0.	0.
39	1125.	0.	406.	0.	719.	73.1	304.	5.0	415.	0.	0.	-2.9	0.	0.	0.	0.	0.
40	1042.	0.	376.	0.	666.	69.2	296.	8.7	370.	0.	0.	-8.4	0.	0.	0.	0.	0.
41	955.	0.	345.	0.	610.	64.7	283.	12.8	327.	0.	0.	-1.0	0.	0.	0.	0.	0.
42	865.	0.	312.	0.	552.	60.3	267.	15.6	285.	0.	0.	12.3	0.	0.	0.	0.	0.
43	771.	0.	278.	0.	492.	55.3	249.	17.8	243.	0.	0.	-2.9	0.	0.	0.	0.	0.
44	673.	0.	243.	0.	430.	49.8	230.	19.4	200.	0.	0.	-8.4	0.	0.	0.	0.	0.
45	572.	0.	207.	0.	365.	43.8	209.	20.8	156.	0.	0.	-1.0	0.	0.	0.	0.	0.
46	468.	0.	168.	0.	298.	37.6	186.	22.7	111.	0.	0.	12.3	0.	0.	0.	0.	0.
47	356.	0.	129.	0.	227.	31.3	163.	23.9	65.	0.	0.	-2.9	0.	0.	0.	0.	0.
48	242.	0.	88.	0.	155.	25.1	138.	24.7	17.	0.	0.	-8.4	0.	0.	0.	0.	0.
49	123.	0.	45.	0.	79.	0.	79.	0.	0.	0.	0.	-1.0	0.	0.	0.	0.	0.
50	0.	0.	-0.	0.	0.	0.	0.	0.	0.	0.	0.	12.3	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES												
**	FOSSIL	HTOR LWR	FBR	TOTAL	FOSSIL	LWR				FBR			TOTALS				
*****	*****	*****	*****	*****	*****	FUEL O&M	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES	WITH PU	W/O PU	
77	11.45	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.	0.	0.			
78	19.44	9.17	0.	28.61	30.43	2.49	1.34	0.70	0.	0.	0.	0.	0.	0.	33.95	33.95	
79	26.96	13.58	0.	40.54	44.87	3.86	2.29	1.30	0.	0.	0.	0.	0.	0.	63.56	63.56	
80	34.26	18.11	0.	52.37	58.81	5.31	3.29	1.97	0.	0.	0.	0.	0.	0.	92.84	92.84	
81	41.26	22.86	0.	64.13	72.25	6.85	4.35	2.70	0.	0.	0.	0.	0.	0.	121.74	121.74	
82	48.00	27.80	0.	75.80	85.22	8.49	5.48	3.49	0.	0.	0.	0.	0.	0.	150.28	150.28	
83	54.51	32.87	0.	87.38	97.71	10.21	6.66	4.34	0.	0.	0.	0.	0.	0.	178.47	178.47	
84	60.82	38.08	0.	98.88	109.74	12.02	7.91	5.26	0.	0.	0.	0.	0.	0.	206.31	206.31	
85	66.95	43.33	0.	110.28	121.33	13.92	9.22	6.23	0.	0.	0.	0.	0.	0.	233.81	233.81	
86	72.94	48.66	0.	121.59	132.46	15.91	10.59	7.25	0.19	0.19	0.	0.	0.	0.	260.89	260.89	
87	78.79	54.02	0.	132.81	143.16	18.02	11.77	8.18	0.39	0.39	0.	0.	0.	0.	287.80	287.80	
88	84.53	59.39	0.	143.93	153.43	20.26	12.94	9.10	0.59	0.59	0.	0.	0.	0.	313.93	313.93	
89	90.19	64.76	0.	154.94	163.31	22.62	14.13	10.01	0.79	0.79	0.	0.	0.	0.	339.66	339.66	
90	95.76	70.10	0.	165.86	172.80	25.09	15.32	10.92	0.99	0.99	0.	0.	0.	0.	365.01	365.01	
91	101.65	75.41	0.	177.06	181.91	27.62	16.72	11.92	1.27	1.27	0.	0.	0.	0.	389.99	389.99	
92	107.62	80.54	0.	188.16	190.64	30.22	18.06	12.89	1.57	1.57	0.	0.	0.	0.	415.23	415.23	
93	113.67	85.50	0.	199.17	199.01	32.88	19.39	13.86	1.87	1.87	0.	0.	0.	0.	439.97	439.97	
94	119.70	90.40	0.	210.11	207.04	35.60	20.74	14.82	2.18	2.18	0.	0.	0.	0.	464.32	464.32	
95	125.82	95.16	0.	220.98	214.74	38.37	22.06	15.78	2.49	2.49	0.	0.	0.	0.	488.31	488.31	
96	132.02	99.76	0.	231.78	222.14	41.16	23.45	16.77	2.83	2.83	0.	0.	0.	0.	511.93	511.93	
97	138.31	104.23	0.	242.53	229.27	43.97	24.79	17.76	3.18	3.18	0.	0.	0.	0.	535.29	535.29	
98	144.67	108.57	0.	253.24	236.14	46.79	26.11	18.73	3.55	3.55	0.	0.	0.	0.	558.32	558.32	
99	151.11	112.80	0.	263.91	242.76	49.61	27.39	19.71	3.92	3.92	0.	0.	0.	0.	581.00	581.00	
00	157.62	116.91	0.	274.54	249.20	52.42	28.64	20.68	4.31	4.31	0.	0.	0.	0.	603.38	603.38	
01	159.57	123.60	0.	283.17	255.15	55.30	30.30	21.75	4.73	4.73	0.	0.	0.	0.	625.47	625.47	
02	161.55	130.44	0.	291.99	260.66	58.26	32.03	22.86	5.15	5.15	0.	0.	0.	0.	645.67	645.67	
03	163.51	137.19	0.	300.70	265.77	61.27	33.78	23.98	5.59	5.59	0.	0.	0.	0.	665.80	665.80	
04	165.81	143.43	0.	309.23	270.66	64.31	35.59	25.09	6.04	6.04	0.	0.	0.	0.	685.51	685.51	
05	168.08	149.59	0.	317.66	274.98	67.39	37.48	26.19	6.52	6.52	0.	0.	0.	0.	704.78	704.78	
06	170.32	155.88	0.	326.20	279.05	70.51	39.40	27.35	7.03	7.03	0.	0.	0.	0.	723.71	723.71	
07	172.55	162.22	0.	334.77	282.87	73.64	41.28	28.51	7.59	7.59	0.	0.	0.	0.	742.51	742.51	
08	174.51	167.92	0.	342.43	286.51	76.78	43.12	29.66	8.23	8.23	0.	0.	0.	0.	761.07	761.07	
09	176.75	173.19	0.	349.94	290.00	79.89	45.02	30.82	8.83	8.83	0.	0.	0.	0.	778.49	778.49	
10	178.95	178.35	0.	357.30	293.36	82.96	46.91	31.94	9.71	9.71	0.	0.	0.	0.	795.66	795.66	
11	181.10	183.42	0.	364.52	296.59	86.00	48.79	33.01	10.55	10.55	0.	0.	0.	0.	812.47	812.47	
12	183.22	188.38	0.	371.60	299.70	89.00	50.66	34.05	11.46	11.46	0.	0.	0.	0.	828.91	828.91	
13	185.29	193.25	0.	378.54	302.70	91.96	52.54	35.06	12.43	12.43	0.	0.	0.	0.	845.01	845.01	
14	187.33	198.02	0.	385.35	305.60	94.87	54.45	36.04	13.47	13.47	0.	0.	0.	0.	860.80	860.80	
15	189.33	202.69	0.	392.03	308.40	97.72	56.40	37.00	14.58	14.58	0.	0.	0.	0.	876.31	876.31	
															891.55	891.55	

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16	191.29	137.28	0.	398.58	311.11	100.53	58.39	37.50	15.76	15.76	0.	0.	0.	906.54	906.54
17	193.22	211.78	0.	405.00	313.74	103.29	60.52	38.86	16.99	16.99	0.	0.	0.	921.41	921.41
18	195.11	216.19	0.	411.30	316.29	105.99	62.83	39.77	18.34	18.34	0.	0.	0.	936.18	936.18
19	196.97	220.52	0.	417.49	318.76	108.65	65.30	40.66	19.78	19.78	0.	0.	0.	950.85	950.85
20	198.79	224.76	0.	423.56	321.16	111.25	67.93	41.54	21.33	21.33	0.	0.	0.	965.43	965.43
21	198.79	224.76	0.	423.56	323.37	113.67	70.01	42.21	22.98	22.98	0.	0.	0.	972.81	972.81
22	198.79	224.76	0.	423.56	325.41	115.92	72.04	42.82	24.60	24.60	0.	0.	0.	979.74	979.74
23	198.79	224.76	0.	423.56	327.28	118.02	73.98	43.36	26.16	26.16	0.	0.	0.	986.20	986.20
24	198.79	224.76	0.	423.56	328.99	119.96	75.82	43.86	27.68	27.68	0.	0.	0.	992.18	992.18
25	198.79	224.76	0.	423.56	330.55	121.76	77.55	44.31	29.17	29.17	0.	0.	0.	997.72	997.72
26	198.79	224.76	0.	423.56	331.96	123.43	79.15	44.72	30.62	30.62	0.	0.	0.	1002.81	1002.81
27	198.79	224.76	0.	423.56	333.22	124.97	80.68	45.09	32.02	32.02	0.	0.	0.	1007.53	1007.53
28	198.79	224.76	0.	423.56	334.35	126.40	82.13	45.44	33.33	33.33	0.	0.	0.	1011.87	1011.87
29	198.79	224.76	0.	423.56	335.34	127.71	83.47	45.76	34.55	34.55	0.	0.	0.	1015.84	1015.84
30	198.79	224.76	0.	423.56	336.21	128.93	84.73	46.05	35.69	35.69	0.	0.	0.	1019.47	1019.47
31	198.79	224.76	0.	423.56	337.01	130.03	85.69	46.31	36.75	36.75	0.	0.	0.	1022.60	1022.60
32	198.79	224.76	0.	423.56	337.77	131.02	86.49	46.54	37.73	37.73	0.	0.	0.	1025.37	1025.37
33	198.79	224.76	0.	423.56	338.47	131.91	87.17	46.74	38.65	38.65	0.	0.	0.	1027.85	1027.85
34	198.79	224.76	0.	423.56	339.12	132.71	87.76	46.91	39.49	39.49	0.	0.	0.	1030.05	1030.05
35	198.79	224.76	0.	423.56	339.71	133.41	88.25	47.07	40.42	40.42	0.	0.	0.	1031.99	1031.99
36	198.79	224.76	0.	423.56	340.25	134.02	88.60	47.19	41.45	41.45	0.	0.	0.	1033.61	1033.61
37	198.79	224.76	0.	423.56	340.74	134.55	88.91	47.29	42.50	42.50	0.	0.	0.	1035.05	1035.05
38	198.79	224.76	0.	423.56	341.19	135.01	89.24	47.38	43.47	43.47	0.	0.	0.	1036.38	1036.38
39	198.79	224.76	0.	423.56	341.59	135.42	89.50	47.45	44.36	44.36	0.	0.	0.	1037.52	1037.52
40	198.79	224.76	0.	423.56	341.94	135.78	89.73	47.51	45.19	45.19	0.	0.	0.	1038.52	1038.52
41	198.79	224.76	0.	423.56	342.25	136.09	89.93	47.56	45.96	45.96	0.	0.	0.	1039.39	1039.39
42	198.79	224.76	0.	423.56	342.51	136.36	90.11	47.59	46.62	46.62	0.	0.	0.	1040.13	1040.13
43	198.79	224.76	0.	423.56	342.74	136.58	90.25	47.62	47.22	47.22	0.	0.	0.	1040.75	1040.75
44	198.79	224.76	0.	423.56	342.93	136.77	90.36	47.64	47.77	47.77	0.	0.	0.	1041.25	1041.25
45	198.79	224.76	0.	423.56	343.08	136.92	90.43	47.65	48.27	48.27	0.	0.	0.	1041.64	1041.64
46	198.79	224.76	0.	423.56	343.20	137.03	90.48	47.65	48.68	48.68	0.	0.	0.	1041.91	1041.91
47	198.79	224.76	0.	423.56	343.28	137.12	90.49	47.65	49.06	49.06	0.	0.	0.	1042.10	1042.10
48	198.79	224.76	0.	423.56	343.34	137.17	90.49	47.65	49.40	49.33	0.	0.	0.	1042.14	1042.21
49	198.79	224.76	0.	423.56	343.36	137.20	90.49	47.65	49.69	49.58	0.	0.	0.	1042.15	1042.26
50	198.79	224.76	0.	423.56	343.36	137.20	90.49	47.65	49.94	49.80	0.	0.	0.	1042.12	1042.26

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 9 , LWR AND HTGR-HC -- WITH REPROCESSING) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , IBTOPW = 1977 \$
 CRD NO....4 CPUINV = 0.000738 \$
 CRD NO....5 PWRSEI = 0.02265 \$
 CRD NO....6 SPECIF(1) = 1120. , 1120. \$
 CRD NO....7 BUPRLD(1) = 1161111. , 1161111. \$
 CRD NO....8 EFFICY(1) = .38 , .38 \$
 CRD NO....9 PURCIN = 693.2 \$
 CRD NO...10 PURCDC = 861.2 \$
 CRD NO...11 PURPCR(30) = 0.1005 , PURPCR(121) = 0.1005 \$
 CRD NO...12 PURPIS(30) = 0.01115 , PURPIS(121) = 0.01115 \$
 CRD NO...13 PWRPUP(40) = 0.204 , PWRPUP(121) = 0.204 \$
 CRD NO...14 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
 CRD NO...15 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
 CRD NO...16 PWRDUC(30) = 0.04185 , PWRDUC(121) = 0.04185 \$
 CRD NO...17 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
 CRD NO...18 EPNINT(1) = .93 , .93 \$
 CRD NO...19 EPNRLD(1) = .93 , .93 \$
 CRD NO...20 EPNOUT(1) = .50 , .50 \$
 CRD NO...21 PWRFAB(30) = 1.01 , PWRFAB(121) = 1.01 \$
 CRD NO...22 PURFAB(30) = 1.65 , PURFAB(121) = 1.65 \$
 CRD NO...23 PWRREC(30) = 1.374 , PWRREC(121) = 1.374 \$
 CRD NO...24 PURREC(30) = 1.374 , PURREC(121) = 1.374 \$
 CRD NO...25 LFYUR = 1995 , LFYPUR = 1995 \$
 CRD NO...26 RL21 = 0.70 , RL31 = 0.70 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003840
 00003850
 00003860
 00003870
 00003880
 00003890
 00003900
 00003910
 00003920
 00003930
 00003940
 00003950
 00003960
 00003970
 00003980
 00003990
 00004000
 00004010
 00004020
 00004030
 00004040
 00004050
 00004060
 00004070
 00003805
 00004080

CRD NO....1 \$\$

00004090

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	744.7	1046.1	595.2	0.	1609.23	3412.61	1041.29
2	993.8	889.8	502.5	0.	1517.46	2837.32	1041.29
3	986.7	889.8	509.6	0.	1460.88	2961.15	1041.29
4	986.7	871.9	527.4	0.	1425.21	2971.80	1041.29
5	986.7	871.9	527.4	0.	1401.43	2971.80	1041.29

A-205

A-206

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	380.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	940.	34.9	609.	1.0	1.	0.1	0.	0.9	1.	21.5	329.	17.5	64.	13.8	265.	0.	0.
96	987.	37.5	633.	2.0	3.	0.1	0.	1.9	3.	21.0	350.	18.5	68.	16.6	282.	0.	0.
97	1036.	40.3	660.	4.0	7.	0.2	1.	3.8	7.	19.5	369.	21.5	74.	13.5	295.	0.	0.
98	1088.	43.3	688.	6.0	13.	0.4	1.	5.6	12.	18.0	387.	23.1	81.	11.4	306.	0.	0.
99	1142.	46.4	718.	9.0	22.	0.7	1.	8.5	21.	15.5	401.	24.3	87.	8.7	314.	0.	0.
00	1199.	49.8	753.	12.0	34.	1.3	3.	10.8	32.	13.0	412.	25.4	94.	6.1	318.	0.	0.
01	1241.	15.7	753.	0.	34.	2.2	5.	0.	30.	45.2	454.	26.4	99.	40.3	355.	0.	0.
02	1285.	17.0	753.	0.	34.	3.3	8.	0.	27.	48.9	497.	28.1	104.	43.9	393.	0.	0.
03	1330.	21.1	759.	0.	34.	3.3	10.	0.	24.	47.9	536.	30.9	111.	41.3	426.	0.	0.
04	1376.	22.1	766.	0.	34.	3.2	12.	0.	22.	50.1	575.	33.6	119.	42.0	456.	0.	0.
05	1424.	23.2	769.	0.	34.	3.4	13.	0.	21.	52.5	621.	35.9	129.	42.9	493.	0.	0.
06	1474.	24.4	771.	0.	34.	3.9	14.	0.	20.	54.9	669.	38.1	138.	46.0	531.	0.	0.
07	1526.	29.8	777.	27.2	61.	4.6	15.	25.9	46.	26.2	687.	40.9	148.	16.1	538.	0.	0.
08	1579.	27.8	788.	39.8	101.	4.4	16.	38.7	88.	9.8	690.	44.4	159.	0.	530.	0.	0.
09	1634.	28.9	800.	51.5	153.	6.7	20.	48.2	133.	0.	681.	46.2	170.	0.	512.	0.	0.
10	1691.	30.0	813.	53.5	206.	10.3	26.	47.1	180.	0.	672.	46.9	178.	0.	494.	0.	0.
11	1751.	31.3	827.	55.6	262.	15.0	36.	45.3	225.	0.	662.	47.0	185.	0.	478.	0.	0.
12	1812.	32.5	841.	57.8	320.	19.5	51.	42.7	268.	0.	651.	47.6	188.	0.	464.	0.	0.
13	1875.	33.8	856.	60.1	380.	23.9	69.	42.8	311.	0.	639.	48.5	190.	0.	449.	0.	0.
14	1941.	35.2	873.	62.4	442.	30.2	89.	42.5	353.	0.	626.	48.6	192.	0.	435.	0.	0.
15	2009.	36.6	890.	64.9	507.	37.5	111.	42.3	396.	0.	612.	48.2	193.	0.	420.	0.	0.
16	2079.	38.1	907.	67.4	574.	45.6	137.	41.3	437.	0.	597.	47.5	193.	0.0	405.	0.	0.
17	2152.	39.6	926.	70.1	644.	53.5	167.	40.5	478.	0.	581.	47.0	191.	1.5	390.	0.	0.
18	2227.	41.2	946.	72.9	717.	61.2	198.	41.9	519.	0.	564.	46.6	189.	2.0	375.	0.	0.
19	2305.	42.9	966.	75.8	793.	68.6	229.	44.7	564.	0.	546.	45.9	187.	2.3	359.	0.	0.
20	2386.	44.7	987.	78.8	872.	76.2	260.	48.2	612.	0.	527.	44.9	184.	2.6	343.	0.	0.
21	2339.	0.	960.	0.	872.	84.0	290.	0.	582.	0.	507.	43.7	181.	3.3	326.	0.	0.
22	2290.	0.	931.	0.	872.	92.1	321.	0.	551.	0.	487.	42.5	177.	4.1	310.	0.	0.
23	2239.	0.	901.	0.	872.	92.4	345.	0.	527.	0.	466.	41.5	173.	4.5	293.	0.	0.

24	2184.	0.	868.	0.	872.	92.6	361.	0.	511.	0.	444.	40.2	168.	4.7	276.	0.	0.
25	2127.	0.	833.	0.	871.	93.6	371.	0.	500.	0.	422.	38.8	163.	4.9	259.	0.	0.
26	2066.	0.	796.	0.	869.	95.5	374.	0.	495.	0.	401.	37.3	158.	5.3	244.	0.	0.
27	2002.	0.	755.	0.	865.	98.3	380.	0.	485.	0.	382.	35.8	152.	5.7	230.	0.	0.
28	1935.	0.	712.	0.	859.	95.3	383.	0.	476.	0.	364.	34.4	146.	5.8	218.	0.	0.
29	1864.	0.	666.	0.	850.	91.9	381.	1.7	469.	0.	348.	33.0	140.	5.8	208.	0.	0.
30	1789.	0.	616.	0.	838.	89.1	375.	6.4	463.	0.	335.	31.6	135.	5.6	201.	0.	0.
31	1728.	0.	600.	0.	838.	87.1	364.	11.2	474.	0.	290.	30.3	129.	5.5	161.	0.	0.
32	1663.	0.	583.	0.	838.	85.7	354.	9.6	484.	0.	241.	29.1	124.	5.2	117.	0.	0.
33	1594.	0.	562.	0.	838.	86.4	348.	5.5	490.	0.	193.	26.3	117.	6.7	76.	0.	0.
34	1521.	0.	540.	0.	838.	86.6	346.	2.6	492.	0.	143.	23.2	109.	8.4	34.	0.	0.
35	1446.	0.	517.	0.	838.	86.4	345.	0.7	493.	0.	91.	12.2	91.	10.0	0.	0.	0.
36	1366.	0.	492.	0.	838.	88.1	345.	0.	493.	0.	36.	-25.8	36.	3.6	0.	0.	0.
37	1283.	0.	463.	0.	811.	85.7	345.	0.7	466.	0.	10.	0.1	10.	0.	0.	0.	0.
38	1206.	0.	435.	0.	771.	86.6	345.	0.0	426.	0.	0.	13.5	0.	0.	0.	0.	0.
39	1125.	0.	406.	0.	719.	84.7	343.	1.7	376.	0.	0.	12.2	0.	0.	0.	0.	0.
40	1042.	0.	376.	0.	666.	81.2	338.	4.8	328.	0.	0.	-25.8	0.	0.	0.	0.	0.
41	955.	0.	345.	0.	610.	76.5	329.	9.2	281.	0.	0.	0.1	0.	0.	0.	0.	0.
42	865.	0.	312.	0.	552.	71.7	314.	14.8	238.	0.	0.	13.5	0.	0.	0.	0.	0.
43	771.	0.	278.	0.	492.	67.1	296.	17.6	198.	0.	0.	12.2	0.	0.	0.	0.	0.
44	673.	0.	243.	0.	430.	60.7	278.	20.5	154.	0.	0.	-25.8	0.	0.	0.	0.	0.
45	572.	0.	207.	0.	365.	53.3	253.	23.1	112.	0.	0.	0.1	0.	0.	0.	0.	0.
46	466.	0.	168.	0.	298.	45.2	226.	26.5	71.	0.	0.	13.5	0.	0.	0.	0.	0.
47	356.	0.	129.	0.	227.	37.2	196.	29.9	31.	0.	0.	12.2	0.	0.	0.	0.	0.
48	242.	0.	88.	0.	155.	18.8	155.	0.	0.	0.	0.	-25.8	0.	0.	0.	0.	0.
49	123.	0.	45.	0.	79.	0.	79.	0.	0.	0.	0.	0.1	0.	0.	0.	0.	0.
50	0.	0.	-0.	0.	0.	0.	0.	0.	0.	0.	0.	13.5	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

ECONOMIC COST CASE																		
YR	CAPITAL INVESTMENTS				EXPENSES												TOTALS	
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR								
						FUEL	FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU					
														O&M	RECOVERY	FEED	SEP WK	SALES
					O&M	O&M						O&M			PU	PU		
77	11.45	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.	0.	0.	33.95	33.95		
78	19.44	9.17	0.	28.61	30.43	2.49	1.34	0.70	0.	0.	0.	0.	0.	0.	63.56	63.56		
79	26.96	13.58	0.	40.54	44.87	3.86	2.29	1.30	0.	0.	0.	0.	0.	0.	92.85	92.85		
80	34.26	18.11	0.	52.37	58.81	5.32	3.29	1.97	0.	0.	0.	0.	0.	0.	121.75	121.75		
81	41.26	22.86	0.	64.13	72.25	6.86	4.35	2.70	0.	0.	0.	0.	0.	0.	150.29	150.29		
82	48.00	27.80	0.	75.80	85.22	8.49	5.48	3.49	0.	0.	0.	0.	0.	0.	178.48	178.48		
83	54.51	32.87	0.	87.38	97.71	10.22	6.66	4.34	0.	0.	0.	0.	0.	0.	206.32	206.32		
84	60.82	38.06	0.	98.88	109.74	12.03	7.91	5.26	0.	0.	0.	0.	0.	0.	233.82	233.82		
85	66.95	43.33	0.	110.28	121.33	13.93	9.22	6.23	0.	0.	0.	0.	0.	0.	261.00	261.00		
86	72.94	48.68	0.	121.59	132.46	15.92	10.59	7.25	0.19	0.19	0.	0.	0.	0.	287.81	287.81		
87	78.79	54.02	0.	132.81	143.16	18.03	11.77	8.18	0.39	0.39	0.	0.	0.	0.	313.95	313.95		
88	84.53	59.39	0.	143.93	153.43	20.28	12.84	9.10	0.59	0.59	0.	0.	0.	0.	339.68	339.68		
89	90.19	64.76	0.	154.94	163.31	22.64	14.13	10.01	0.79	0.79	0.	0.	0.	0.	365.03	365.03		
90	95.76	70.10	0.	165.86	172.80	25.11	15.32	10.92	0.99	0.99	0.	0.	0.	0.	390.01	390.01		
91	101.65	75.41	0.	177.06	181.91	27.64	16.72	11.92	1.27	1.27	0.	0.	0.	0.	415.25	415.25		
92	107.62	80.54	0.	188.16	190.64	30.24	18.06	12.89	1.57	1.57	0.	0.	0.	0.	439.99	439.99		
93	113.67	85.50	0.	199.17	199.01	32.90	19.39	13.86	1.87	1.87	0.	0.	0.	0.	464.33	464.33		
94	119.70	90.40	0.	210.11	207.04	35.62	20.74	14.82	2.18	2.18	0.	0.	0.	0.	488.32	488.32		
95	125.82	95.16	0.	220.98	214.74	38.39	22.07	15.79	2.49	2.49	0.	0.	0.	0.	511.96	511.96		
96	132.02	99.76	0.	231.78	222.14	41.18	23.47	16.79	2.84	2.84	0.	0.	0.	0.	535.36	535.36		
97	138.31	104.23	0.	242.53	229.27	44.00	24.84	17.80	3.20	3.20	0.	0.	0.	0.	558.45	558.45		
98	144.67	108.57	0.	253.24	236.14	46.84	26.20	18.81	3.57	3.57	0.	0.	0.	0.	581.22	581.22		
99	151.11	112.80	0.	263.91	242.76	49.69	27.54	19.84	3.96	3.96	0.	0.	0.	0.	603.74	603.74		
00	157.62	116.91	0.	274.54	249.20	52.54	28.86	20.87	4.38	4.38	0.	0.	0.	0.	626.01	626.01		
01	159.57	123.60	0.	283.17	255.15	55.47	30.52	21.94	4.84	4.84	0.	0.	0.	0.	646.25	646.25		
02	161.55	130.44	0.	291.99	260.66	58.46	32.25	23.06	5.31	5.31	0.	0.	0.	0.	666.42	666.42		
03	163.87	136.76	0.	300.63	265.80	61.49	33.97	24.16	5.78	5.78	0.	0.	0.	0.	686.05	686.05		
04	166.17	143.00	0.	309.16	270.63	64.55	35.77	25.26	6.28	6.28	0.	0.	0.	0.	705.38	705.38		
05	168.44	149.15	0.	317.59	275.09	67.65	37.66	26.35	6.80	6.80	0.	0.	0.	0.	724.34	724.34		
06	170.68	155.24	0.	325.92	279.19	70.79	39.66	27.46	7.37	7.37	0.	0.	0.	0.	743.02	743.02		
07	173.27	161.10	0.	334.37	283.08	73.95	41.65	28.67	7.96	7.96	0.	0.	0.	0.	761.73	761.73		
08	175.56	166.38	0.	341.93	286.82	77.13	43.67	29.93	8.63	8.63	0.	0.	0.	0.	779.49	779.49		
09	177.79	171.65	0.	349.44	290.41	80.32	45.87	31.25	9.40	9.40	0.	0.	0.	0.	797.30	797.30		
10	179.99	176.81	0.	356.81	293.86	83.51	48.07	32.52	10.30	10.30	0.	0.	0.	0.	814.77	814.77		
11	182.15	181.88	0.	364.02	297.18	86.69	50.25	33.74	11.30	11.30	0.	0.	0.	0.	831.89	831.89		
12	184.26	186.84	0.	371.10	300.38	89.66	52.41	34.89	12.41	12.41	0.	0.	0.	0.	848.65	848.65		
13	186.34	191.71	0.	378.04	303.46	93.01	54.61	36.01	13.66	13.66	0.	0.	0.	0.	865.14	865.14		
14	188.37	196.48	0.	384.85	306.44	96.14	56.84	37.09	15.05	15.05	0.	0.	0.	0.	881.36	881.36		
15	190.37	201.16	0.	391.53	309.31	99.24	59.13	38.14	16.58	16.58	0.	0.	0.	0.	897.32	897.32		

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16	192.33	205.74	0.	398.08	312.09	102.31	61.41	39.11	18.25	18.25	0.	0.	0.	913.00	913.03
17	194.26	210.24	0.	404.50	314.78	105.35	63.95	40.12	20.11	20.11	0.	0.	0.	928.70	928.70
18	196.15	214.66	0.	410.81	317.39	108.36	66.65	41.07	22.15	22.15	0.	0.	0.	944.28	944.28
19	198.01	218.98	0.	416.99	319.92	111.33	69.54	42.01	24.35	24.35	0.	0.	0.	959.80	959.80
20	199.83	223.23	0.	423.06	322.38	114.27	72.62	42.93	26.73	26.73	0.	0.	0.	975.25	975.25
21	199.83	223.23	0.	423.06	324.64	117.01	74.83	43.57	29.30	29.30	0.	0.	0.	983.11	983.11
22	199.83	223.23	0.	423.06	326.73	119.56	76.97	44.15	31.81	31.81	0.	0.	0.	990.47	990.47
23	199.83	223.23	0.	423.06	328.65	121.95	78.96	44.67	34.26	34.26	0.	0.	0.	997.29	997.29
24	199.83	223.23	0.	423.06	330.41	124.16	80.81	45.13	36.66	36.66	0.	0.	0.	1003.58	1003.58
25	199.83	223.23	0.	423.06	332.01	126.22	82.54	45.55	39.02	39.02	0.	0.	0.	1009.39	1009.39
26	199.83	223.23	0.	423.06	333.47	128.14	84.10	45.93	41.35	41.35	0.	0.	0.	1014.70	1014.70
27	199.83	223.23	0.	423.06	334.77	129.91	85.56	46.27	43.52	43.52	0.	0.	0.	1019.57	1019.57
28	199.83	223.23	0.	423.06	335.94	131.55	86.88	46.58	45.52	45.52	0.	0.	0.	1024.02	1024.02
29	199.83	223.23	0.	423.06	336.97	133.07	88.11	46.87	47.38	47.38	0.	0.	0.	1028.08	1028.08
30	199.83	223.23	0.	423.06	337.86	134.47	89.30	47.14	49.11	49.11	0.	0.	0.	1031.84	1031.84
31	199.83	223.23	0.	423.06	338.70	135.75	90.28	47.39	50.72	50.72	0.	0.	0.	1035.18	1035.18
32	199.83	223.23	0.	423.06	339.49	136.91	91.08	47.62	52.23	52.23	0.	0.	0.	1038.15	1038.15
33	199.83	223.23	0.	423.06	340.21	137.95	91.76	47.81	53.64	53.64	0.	0.	0.	1040.80	1040.80
34	199.83	223.23	0.	423.06	340.88	138.90	92.32	47.97	54.96	54.96	0.	0.	0.	1043.13	1043.13
35	199.83	223.23	0.	423.06	341.49	139.75	92.76	48.11	56.23	56.23	0.	0.	0.	1045.17	1045.17
36	199.83	223.23	0.	423.06	342.05	140.49	93.05	48.22	57.72	57.72	0.	0.	0.	1046.87	1046.87
37	199.83	223.23	0.	423.06	342.55	141.14	93.28	48.31	59.21	59.21	0.	0.	0.	1048.34	1048.34
38	199.83	223.23	0.	423.06	343.00	141.71	93.47	48.37	60.59	60.59	0.	0.	0.	1049.61	1049.61
39	199.83	223.23	0.	423.06	343.40	142.22	93.56	48.40	61.81	61.81	0.	0.	0.	1050.65	1050.65
40	199.83	223.23	0.	423.06	343.75	142.67	93.63	48.43	62.99	62.99	0.	0.	0.	1051.54	1051.54
41	199.83	223.23	0.	423.06	344.06	143.06	93.70	48.44	64.05	64.05	0.	0.	0.	1052.32	1052.32
42	199.83	223.23	0.	423.06	344.32	143.39	93.78	48.45	64.98	64.98	0.	0.	0.	1053.01	1053.01
43	199.83	223.23	0.	423.06	344.55	143.67	93.85	48.46	65.78	65.78	0.	0.	0.	1053.58	1053.58
44	199.83	223.23	0.	423.06	344.74	143.90	93.89	48.46	66.53	66.53	0.	0.	0.	1054.05	1054.05
45	199.83	223.23	0.	423.06	344.89	144.09	93.93	48.46	67.18	67.18	0.	0.	0.	1054.42	1054.42
46	199.83	223.23	0.	423.06	345.01	144.24	93.95	48.46	67.71	67.71	0.	0.	0.	1054.71	1054.71
47	199.83	223.23	0.	423.06	345.09	144.34	93.97	48.46	68.15	68.08	0.	0.	0.	1054.85	1054.92
48	199.83	223.23	0.	423.06	345.15	144.41	93.97	48.46	68.55	68.36	0.	0.	0.	1054.86	1055.05
49	199.83	223.23	0.	423.06	345.17	144.44	93.97	48.46	68.90	68.64	0.	0.	0.	1054.84	1055.11
50	199.83	223.23	0.	423.06	345.17	144.44	93.97	48.46	69.20	68.87	0.	0.	0.	1054.78	1055.11

G553T 02 03-10-79 06.179

CRD NO....1 (CASE #10 , LWR AND PBR-78 WITH REPROCESSING) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1=2051. , IBTOPW=1977 \$
 CRD NO....4 CPUINV=0.02758 \$
 CRD NO....5 PWSFI=0.08247 \$
 CRD NO....6 SPECIF(1)=2513. , 2513. \$
 CRD NO....7 BUPRLD(1)=918000.0, 918000. \$
 CRD NO....8 PURCIN=274.0 \$
 CRD NO....9 PURCDC=344.0 \$
 CRD NO...10 PURPIS(30)=0.03803, PURPIS(121)=0.03803 \$
 CRD NO...11 PURPCR(30)=0.233 , PURPCR(121)=0.233 \$
 CRD NO...12 PWRPUP(40)=0.984, PWRPUP(121)=0.964 \$
 CRD NO...13 PWRDEC(30)=0.02674, PWRDEC(121)=0.02674 \$
 CRD NO...14 PWRIEC(30)=0.01151, PWRIEC(121)=0.01151 \$
 CRD NO...15 PWRDUC(30)=0.05305, PWRDUC(121)=0.05305 \$
 CRD NO...16 PWRIUC(30)=0.03343, PWRIUC(121)=0.03343 \$
 CRD NO...17 EPNINT(1)=0.93, 0.93 \$
 CRD NO...18 EPNRLD(1)=0.93, 0.93 \$
 CRD NO...19 EPNOUT(1)=0.002, 0.002 \$
 CRD NO...20 PWRFAB(30)=0.835, PWRFAB(121)=0.835 \$
 CRD NO...21 PURFAB(30)=1.828, PURFAB(121)=1.828 \$
 CRD NO...22 PWRREC(30)=2.349, PWRREC(121)=2.349 \$
 CRD NO...23 PURREC(30)=2.097, PURREC(121)=2.097 \$
 CRD NO...24 LFYUR=1995 , LFYPUR=1995 \$\$
 DTA CALL NO.....8 .INPUT EDITS

00004092
 00004093
 00004094
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 00004114
 00004115

00004116

A-210 CRD NO....1 \$\$

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	723.7	1161.3	336.1	0.	1237.10	936.38	1041.29
2	948.1	980.0	317.9	0.	1185.35	845.10	1041.29
3	944.3	983.3	317.9	0.	1151.94	847.03	1041.29
4	936.0	990.6	317.9	0.	1131.86	850.89	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	338.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	600.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	58.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.3	0.	0.7	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
A-211 96	986.	37.5	633.	2.0	3.	0.3	1.	1.7	3.	20.7	350.	18.5	63.	16.3	282.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.4	1.	3.6	6.	18.9	368.	21.5	74.	12.9	294.	0.	0.
98	1080.	43.3	688.	6.0	13.	0.8	2.	6.2	11.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	718.	9.0	22.	1.3	3.	8.0	19.	14.2	398.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	733.	12.0	34.	2.7	5.	9.6	29.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	15.7	753.	12.5	47.	4.3	9.	8.3	37.	31.2	435.	26.2	99.	26.4	336.	0.	0.
02	1275.	17.0	753.	14.0	61.	6.5	15.	8.3	46.	32.9	462.	27.9	104.	28.1	359.	0.	0.
03	1319.	17.8	753.	15.8	76.	8.6	22.	8.5	54.	33.2	487.	29.9	109.	27.5	378.	0.	0.
04	1363.	18.7	760.	17.5	94.	10.7	30.	9.4	64.	33.6	509.	31.7	116.	27.2	393.	0.	0.
05	1404.	19.6	758.	49.1	143.	13.4	39.	40.0	103.	0.	503.	33.3	123.	0.	390.	0.	0.
06	1446.	20.6	756.	51.4	194.	16.7	49.	41.2	145.	0.	493.	34.6	130.	0.	366.	0.	0.
07	1490.	21.6	755.	53.9	248.	26.7	68.	35.7	180.	0.	487.	34.7	134.	0.	359.	0.	0.
08	1536.	20.1	758.	50.1	298.	36.8	94.	24.0	204.	0.	480.	35.0	138.	0.	343.	0.	0.
09	1584.	21.0	762.	52.0	350.	45.8	126.	19.6	224.	0.	472.	35.2	140.	0.	332.	0.	0.
10	1634.	25.9	771.	50.5	400.	52.3	162.	14.9	239.	0.	463.	35.5	141.	0.	322.	0.	0.
11	1686.	27.0	780.	52.4	453.	58.0	193.	21.1	260.	0.	453.	35.6	141.	0.	312.	0.	0.
12	1740.	28.1	790.	54.4	507.	67.9	224.	23.4	283.	0.	442.	35.2	142.	0.	300.	0.	0.
13	1795.	33.8	806.	52.6	560.	79.2	237.	19.1	302.	0.	430.	34.7	141.	0.5	289.	0.	0.
14	1853.	35.2	822.	54.6	614.	90.2	295.	16.7	319.	0.	417.	34.2	140.	1.9	277.	0.	0.
15	1913.	36.6	839.	56.8	671.	93.3	336.	16.5	336.	0.	403.	33.7	138.	1.9	265.	0.	0.
16	1975.	38.1	857.	59.0	730.	105.1	373.	21.8	357.	0.	380.	33.2	136.	2.0	252.	0.	0.
17	2039.	39.5	875.	61.3	792.	111.1	405.	29.5	387.	0.	372.	32.3	133.	2.4	238.	0.	0.
18	2105.	41.2	895.	63.6	855.	119.3	434.	34.7	422.	0.	355.	31.4	131.	2.9	224.	0.	0.
19	2174.	42.9	915.	66.3	922.	129.4	465.	35.1	457.	0.	337.	30.4	127.	3.4	210.	0.	0.
20	2245.	44.7	936.	60.9	991.	140.0	500.	34.1	491.	0.	318.	29.4	125.	3.8	195.	0.	0.
21	2190.	0.	909.	0.	991.	150.2	539.	0.	452.	0.	293.	28.3	119.	4.0	178.	0.	0.
22	2149.	0.	881.	0.	991.	160.2	580.	0.	411.	0.	277.	27.0	115.	4.3	162.	0.	0.
23	2097.	0.	850.	0.	991.	155.6	606.	0.	385.	0.	256.	25.7	110.	4.7	146.	0.	0.

24	2043.	0.	817.	0.	991.	151.9	618.	0.	373.	0.	234.	24.3	105.	5.1	129.	0.	0.
25	1985.	0.	783.	0.	990.	152.2	620.	0.	370.	0.	213.	22.9	100.	5.4	113.	0.	0.
26	1925.	0.	745.	0.	988.	153.6	615.	4.6	372.	0.	192.	21.5	94.	5.6	98.	0.	0.
27	1862.	0.	705.	0.	984.	150.7	620.	0.	363.	0.	173.	19.9	89.	5.7	85.	0.	0.
28	1795.	0.	661.	0.	978.	154.7	623.	0.	354.	0.	156.	18.4	83.	5.9	74.	0.	0.
29	1726.	0.	615.	0.	969.	145.9	617.	6.4	352.	0.	142.	17.0	77.	5.9	65.	0.	0.
30	1653.	0.	568.	0.	957.	139.6	601.	16.0	356.	0.	131.	15.7	71.	5.7	60.	0.	0.
31	1594.	0.	550.	0.	944.	137.0	577.	23.7	367.	0.	100.	14.5	66.	5.4	34.	0.	0.
32	1530.	0.	533.	0.	930.	137.4	560.	17.3	370.	0.	67.	13.4	61.	5.0	6.	0.	0.
33	1463.	0.	515.	0.	915.	140.2	554.	5.6	360.	0.	34.	-10.1	34.	5.7	0.	0.	0.
34	1393.	0.	496.	0.	897.	139.4	554.	0.2	343.	0.	0.	-17.8	0.	0.	0.	0.	0.
35	1324.	0.	476.	0.	848.	135.8	553.	1.3	295.	0.	0.	14.5	0.	0.	0.	0.	0.
36	1252.	0.	456.	0.	797.	131.7	547.	5.7	250.	0.	0.	13.4	0.	0.	0.	0.	0.
37	1177.	0.	434.	0.	743.	122.3	529.	18.0	214.	0.	0.	-10.1	0.	0.	0.	0.	0.
38	1107.	0.	414.	0.	693.	114.5	504.	24.9	188.	0.	0.	-17.8	0.	0.	0.	0.	0.
39	1034.	0.	393.	0.	641.	107.5	476.	28.3	165.	0.	0.	14.5	0.	0.	0.	0.	0.
40	957.	0.	367.	0.	590.	100.5	445.	31.2	145.	0.	0.	13.4	0.	0.	0.	0.	0.
41	878.	0.	340.	0.	538.	92.5	415.	29.7	123.	0.	0.	-10.1	0.	0.	0.	0.	0.
42	796.	0.	312.	0.	483.	80.4	381.	34.1	102.	0.	0.	-17.8	0.	0.	0.	0.	0.
43	709.	0.	278.	0.	431.	67.9	341.	39.6	89.	0.	0.	14.5	0.	0.	0.	0.	0.
44	619.	0.	243.	0.	376.	57.6	299.	42.9	78.	0.	0.	13.4	0.	0.	0.	0.	0.
45	526.	0.	207.	0.	319.	50.6	257.	41.9	63.	0.	0.	-10.1	0.	0.	0.	0.	0.
46	429.	0.	168.	0.	260.	44.1	220.	36.3	40.	0.	0.	-17.8	0.	0.	0.	0.	0.
47	328.	0.	129.	0.	199.	37.8	190.	30.2	9.	0.	0.	14.5	0.	0.	0.	0.	0.
48	223.	0.	88.	0.	135.	2.8	135.	0.	0.	0.	0.	13.4	0.	0.	0.	0.	0.
49	114.	0.	45.	0.	69.	0.	69.	0.	0.	0.	0.	-10.1	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-17.8	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES											TOTALS	
	FOSSIL	HTOR LWR	FBR	TOTAL	FOSSIL	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&N	PU SALES	PU PURCHASES	WITH PU	W/O PU		
77	11.48	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.	0.	33.96	33.96		
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.70	0.	0.	0.	0.	0.	63.57	63.57		
79	26.96	13.58	0.	40.54	44.86	3.87	2.29	1.30	0.	0.	0.	0.	0.	92.86	92.86		
80	34.26	18.11	0.	52.37	58.80	5.33	3.30	1.98	0.	0.	0.	0.	0.	121.77	121.77		
81	41.26	22.86	0.	64.13	72.24	6.87	4.36	2.71	0.	0.	0.	0.	0.	150.31	150.31		
82	48.00	27.80	0.	75.80	85.20	8.51	5.49	3.51	0.	0.	0.	0.	0.	178.50	178.50		
83	54.51	32.87	0.	87.38	97.60	10.23	6.68	4.36	0.	0.	0.	0.	0.	208.35	208.35		
84	60.82	38.06	0.	98.88	109.73	12.05	7.93	5.28	0.	0.	0.	0.	0.	233.86	233.86		
85	66.95	43.33	0.	110.28	121.31	13.95	9.24	6.25	0.	0.	0.	0.	0.	261.04	261.04		
86	72.94	48.66	0.	121.59	132.44	15.94	10.81	7.27	0.19	0.19	0.	0.	0.	287.86	287.86		
87	78.73	54.02	0.	132.81	143.14	18.06	11.79	8.20	0.39	0.39	0.	0.	0.	313.99	313.99		
88	84.53	59.39	0.	143.93	153.41	20.30	12.97	9.12	0.59	0.59	0.	0.	0.	339.73	339.73		
89	90.19	64.76	0.	154.94	163.28	22.66	14.15	10.04	0.79	0.79	0.	0.	0.	365.08	365.08		
90	95.76	70.10	0.	165.86	172.77	25.13	15.34	10.95	0.99	0.99	0.	0.	0.	390.06	390.06		
91	101.65	75.41	0.	177.06	181.89	27.67	16.75	11.95	1.27	1.27	0.	0.	0.	415.31	415.31		
92	107.62	80.54	0.	188.16	190.61	30.27	18.09	12.92	1.57	1.57	0.	0.	0.	440.05	440.05		
93	113.67	85.50	0.	199.17	198.98	32.93	19.42	13.89	1.87	1.87	0.	0.	0.	464.40	464.40		
94	119.70	90.40	0.	210.11	207.01	35.65	20.77	14.86	2.19	2.19	0.	0.	0.	488.39	488.39		
95	125.82	95.13	0.	220.95	214.71	38.42	22.08	15.81	2.50	2.50	0.	0.	0.	511.97	511.97		
96	132.02	99.67	0.	231.69	222.11	41.23	23.45	16.79	2.86	2.86	0.	0.	0.	535.27	535.27		
97	138.31	104.03	0.	242.34	229.24	44.06	24.77	17.75	3.23	3.23	0.	0.	0.	558.16	558.16		
98	144.67	108.22	0.	252.89	236.11	46.92	26.05	18.71	3.62	3.62	0.	0.	0.	580.68	580.68		
99	151.11	112.24	0.	263.35	242.73	49.80	27.30	19.67	4.05	4.05	0.	0.	0.	602.85	602.85		
00	157.62	116.09	0.	273.71	249.16	52.71	28.50	20.61	4.52	4.52	0.	0.	0.	624.69	624.69		
01	159.57	122.70	0.	282.27	255.12	55.71	30.04	21.69	5.06	5.06	0.	0.	0.	644.83	644.83		
02	161.55	129.45	0.	291.00	260.53	58.81	31.62	22.81	5.65	5.65	0.	0.	0.	664.87	664.87		
03	163.51	136.11	0.	299.62	265.73	61.99	33.22	23.95	6.29	6.29	0.	0.	0.	684.50	684.50		
04	165.45	142.68	0.	308.13	270.49	65.23	34.87	25.08	7.00	7.00	0.	0.	0.	703.30	703.30		
05	167.37	149.02	0.	316.39	274.84	68.60	36.41	26.24	7.78	7.78	0.	0.	0.	722.47	722.47		
06	169.26	155.28	0.	324.54	278.79	72.09	38.06	27.45	8.60	8.60	0.	0.	0.	740.93	740.93		
07	171.14	161.47	0.	332.61	282.48	75.68	39.67	28.63	10.02	10.02	0.	0.	0.	759.08	759.08		
08	172.80	166.90	0.	339.69	285.95	79.35	41.23	29.79	11.42	11.42	0.	0.	0.	776.08	776.08		
09	174.42	172.22	0.	346.64	289.22	83.07	42.91	30.91	12.93	12.93	0.	0.	0.	792.75	792.75		
10	176.31	177.09	0.	353.40	292.33	86.82	44.51	31.99	14.52	14.52	0.	0.	0.	809.05	809.05		
11	178.18	181.35	0.	360.03	295.29	90.60	46.13	33.05	16.23	16.23	0.	0.	0.	825.11	825.11		
12	180.00	185.53	0.	366.54	298.12	94.38	47.78	34.09	18.08	18.08	0.	0.	0.	840.91	840.91		
13	182.08	190.79	0.	372.87	300.85	98.14	49.43	35.10	20.06	20.06	0.	0.	0.	856.39	856.39		
14	184.12	194.97	0.	379.08	303.48	101.89	51.07	36.07	22.12	22.12	0.	0.	0.	871.60	871.60		
15	185.11	199.06	0.	385.17	306.04	105.62	52.73	37.01	24.24	24.24	0.	0.	0.	886.57	886.57		

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[illegible]

TABLE A-6

YEAR 1990 GCR INTRODUCTION SCENARIO COMPUTER OUTPUT

		Present Valued Benefit (Billions of \$)	Case Page Number
CASE 1.	No reprocessing and the LWR is the only nuclear option. [1153.80]	--	A-17
CASE 2.	With reprocessing and the LWR is the only nuclear option. [1065.34] (Case 1 - Case 2)	88	A-22
CASE 3.	No reprocessing and the LWR and PBR-4021 are the only nuclear options. [1067.88] (Case 1 - Case 3)	86	A-221
CASE 4.	With reprocessing and the LWR and PBR-4021 are the only nuclear options. [1039.95] (Case 2 - Case 4)	25	A-226
CASE 5.	With reprocessing and the LWR, PBR-4021, PBR-PB, and PBR-NB are the only nuclear options. [1041.89] (Case 2 - Case 5)	23	A-231
CASE 6.	With reprocessing and the LWR, PBR-4021, PBR-PB, and PBR-PBTBR are the only nuclear options. [1013.35] (Case 2 - Case 6)	52	A-236
CASE 7.	No reprocessing and the LWR and HTGR-OC are the only nuclear options. [1153.28] (Case 1 - Case 7)	1	A-241
CASE 8.	With reprocessing and the LWR and HTGR-RC are the only nuclear options. [1023.16] (Case 2 - Case 8)	42	A-247
CASE 9.	With reprocessing and the LWR and HTGR-HC are the only nuclear options. [1039.44] (Case 2 - Case 9)	26	A-252
CASE 10.	With reprocessing and the LWR and PBR-78 are the only nuclear options. [1009.67]	56	A-257

[] = Present valued cost of generating electricity for this case.

6774T 02 03-14-79 02.698

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (***** REFERENCE INFORMATION FOR GCR INCENTIVES CASES *****)\$
CRD NO....2 (DATA LAST CHANGED 1-5-79)\$
CRD NO....3 (BASE DATA SET FOR PBR,S)\$
CRD NO....4 \$
CRD NO....5 (BREEDER PERFORMANCE DATA)\$
CRD NO....6 \$
CRD NO....7 (LMFBR OUT OF CORE RATIOS)\$
CRD NO....8 09(30)=2.5,09(60)=2.5,09(75)=1.5,09(121)=1.5 \$
CRD NO....9 (LMFBR SPECIFIC POWER KWTH/KG PU FISSILE FOR 1ST CORE)\$
CRD NO....10 D3(30)=1000. , D3(121)=1000. \$
CRD NO....11 (LMFBR THERMAL EFFICIENCY)\$
CRD NO....12 D4(30)=0.38,D4(121)=0.38 \$
CRD NO....13 \$
CRD NO....14 (INVENTORY SLOPES)\$
CRD NO....15 \$
CRD NO....16 (INVENTORY ON U-CYCLE LWR PU (MILLS/KW-HR)/(\$/GM PU))\$
CRD NO....17 CBUINV=0.0 , CPUINV=0.00236 \$
CRD NO....18 CGUINV=0.003126 \$
CRD NO....19 (PU CREDIT BASED ON LEVELIZATION PERIOD - (MILLS/KWHR)/(\$/GM))\$
CRD NO....20 BWRSFI =0.0 , PWRSFI=0.0565\$
CRD NO....21 \$
CRD NO....22 (LWR U-CYCLE & HTGR PERFORMANCE DATA)\$
CRD NO....23 \$
CRD NO....24 (BWR,PWR,HTGR SPECIFIC POWERS -- MWTH/MTU)\$
CRD NO....25 SPECIF(1)=1838.0,1714.0,26.9 \$
CRD NO....26 (BWR,PWR,HTGR RELOAD BURNUPS -- MWTH/MTU)\$
CRD NO....27 BUPRLD(1)=1309430.0,571210.0,27500.0 \$
CRD NO....28 (BWR,PWR,HTGR EFFICIENCY)\$
CRD NO....29 EFFICY(1)=0.38,0.38,0.34 \$
CRD NO....30 \$
CRD NO....31 (PLUTONIUM PERFORMANCE DATA)\$
CRD NO....32 \$
CRD NO....33 PURCIN=242.0\$ INVERSE OF 4130.5 KG PU LOAD REQUIREMENT FOR 1000MWE
CRD NO....34 PURCDC=257.0\$ INVERSE OF 3891.6 KG PU DISCHARGE PER 1000MWE
CRD NO....35 (LWR PU RECYCLE PU CONSUMPTION RATE - KG PU/MWE-YR AT 100% CF)\$
CRD NO....36 PURPCR(30) = 0.0748 , PURPCR(121)= 0.0748 \$
CRD NO....37 (LWR PU RECYCLE PLUTONIUM INVENTORY - (MILLS/KWE-HR)/(\$/GM PU))\$
CRD NO....38 PURPIS(30) = 0.06816 , PURPIS(121)= 0.06816 \$
CRD NO....39 (VALUE OF PU AFTER ONE RECYCLE - %/100)\$
CRD NO....40 FPUVAU = 1.0 \$
CRD NO....41 (NET PU PRODUCTION -- KG PU FISSILE/MWE-YR AT 100% CF)\$
CRD NO....42 FBRPUP(30)=0.196,FBRPUP(121)=0.196 \$
CRD NO....43 BWRPUP(30) = 0.0 , BWRPUP(121)= 0.0 \$
CRD NO....44 PWRPUP(40) = 0.516 , PWRPUP(121)= 0.516 \$
CRD NO....45 \$
CRD NO....46 (U-233 PERFORMANCE DATA)\$
CRD NO....47 \$
CRD NO....48 UIRCIN=326.8 \$ INVERSE OF X KG U-233 LOAD REQUIRED FOR 1000 MWE
CRD NO....49 UIRCDC=636.9 \$ INVERSE OF X KG U-233 DISCHARGE PER 1000 MWE

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00000700
00000710
00000720
00000730
00000740
00000750
00000760

CRD NO...80 (GCR U-233 CONSUMPTION RATE - KG U-233/MWE-YR AT 100% CF) \$ 00000770
CRD NO...81 UIRICR(30) = 0.6815, UIRICR(121) = 0.6815 \$ 00000780
CRD NO...82 (GCR U-233 RECYCLE INVENTORY - (MILLS/KWE-HRO)/(\$/GM PU)) \$ 00000790
CRD NO...83 UIRIIS(30) = 0.0741, UIRIIS(121) = 0.0741 \$ 00000800
CRD NO...84 (VALUE OF U-233 AFTER ONE RECYCLE - %/100) \$ 00000810
CRD NO...85 FUIVAU = 1.00 \$ 00000820
CRD NO...86 (NET U-233 PRODUCTION -- KG U-233 FISSILE/MWE-YR AT 100% CF) \$ 00000830
CRD NO...87 GCRUIP(45) = 0.235, GCRUIP(121) = 0.235 \$ 00000840
CRD NO...88 (U-233 CREDIT BASED ON LEVELIZATION PERIOD-(MILLS/KWHR)/(\$/GM)) \$ 00000850
CRD NO...89 GCRSFI = 0.0237 00000860
CRD NO...90 \$ 00000870
CRD NO...91 (FUEL SERVICE CHARGES)\$ 00000880
CRD NO...92 \$ 00000890
CRD NO...93 (LWR AND GCR ENRICHMENT COSTS - (M/KWH)/(\$/SWU)) \$ 00000900
CRD NO...94 BWRDEC(30) = 0.0187, BWRDEC(121) = 0.0187 \$ 00000910
CRD NO...95 BWRIEC(30) = 0.0142, BWRIEC(121) = 0.0142 \$ 00000920
CRD NO...96 PWRDEC(30) = 0.0258, PWRDEC(121) = 0.0258 \$ 00000930
CRD NO...97 PWRIEC(30) = 0.0156, PWRIEC(121) = 0.0156 \$ 00000940
CRD NO...98 GCRDEC(30) = 0.0154, GCRDEC(121) = 0.0154 \$ 00000950
CRD NO...99 GCRIEC(30) = 0.00966, GCRIEC(121) = 0.00966 \$ 00000960
CRD NO...100 (SEPARATIVE WORK COST - \$/SWU)\$ 00000970
CRD NO...101 ECOST(30)=61., ECOST(37)=61., ECOST(40)=75., ECOST(45)=85. \$ 00000980
CRD NO...102 ECOST(121)=85. \$ 00000990
CRD NO...103 SWUPCF = 0.0 \$ 0001000
CRD NO...104 CONVER(35)=4.5, CONVER(40)=4.5, CONVER(60)=4.5, CONVER(121)=4.5 \$ 0001010
CRD NO...105 (LWR AND GCR URANIUM COST (MILLS/KWH)/(\$/LB U308)) \$ 0001020
CRD NO...106 BWRDUC(30) = 0.0368, BWRDUC(121) = 0.0368 \$ 0001030
CRD NO...107 BWRIUC(30) = 0.0364, BWRIUC(121) = 0.0364 \$ 0001040
CRD NO...108 PWRDUC(30) = 0.0503, PWRDUC(121) = 0.0503 \$ 0001050
CRD NO...109 PWRIUC(30) = 0.0458, PWRIUC(121) = 0.0458 \$ 0001060
CRD NO...110 GCRDUC(30) = 0.0407, GCRDUC(121) = 0.0407 \$ 0001070
CRD NO...111 GCRIUC(30) = 0.0468, GCRIUC(121) = 0.0468 \$ 0001080
CRD NO...112 (BWR,PWR,HTOR URANIUM INVENTORY FACTORS)\$ 0001090
CRD NO...113 UINVEN(1)=1.50,1.50,1.50 \$ 0001100
CRD NO...114 (BWR,PWR,GCR URANIUM ENRICHMENTS -- WEIGHT PERCENT U235)\$ 0001110
CRD NO...115 EPNINT(1)=.93,.93,.0203 \$ 0001120
CRD NO...116 EPNRLD(1)=.93,.93,.0273 \$ 0001130
CRD NO...117 EPNOUT(1)=.002,.002,.008 \$ 0001140
CRD NO...118 (TAILS COMPOSITION - WT%U235)\$ 0001150
CRD NO...119 TAILS=0.205 0001160
CRD NO...120 TAILSL=0.0001\$ 0001170
CRD NO...121 (FABRICATION CHARGES - MILLS/KWE-HRO)\$ 0001180
CRD NO...122 BWRFAB(30)=.537,BWRFAB(121)=.537 \$ 0001190
CRD NO...123 PWRFAB(30)=1.973,PWRFAB(121)=1.973 \$ 0001200
CRD NO...124 PURFAB(30)=2.025,PURFAB(121)=2.025 \$ 0001210
CRD NO...125 GCRFAB(30)=0.810,GCRFAB(121)=0.810 \$ 0001220
CRD NO...126 UIRFAB(30)=3.00,UIRFAB(121)=3.00 \$ 0001230
CRD NO...127 FBRFAB(30)=1.746,FBRFAB(121)=1.746 \$ 0001240
CRD NO...128 (RECOVERY CHARGES - MILLS/KWE-HRO)\$ 0001250
CRD NO...129 BWRREC(30)=0.1080,BWRREC(121)=0.1080 \$ 0001260
CRD NO...130 PWRREC(30)=1.978,PWRREC(121)=1.978 \$ 0001270
CRD NO...131 PURREC(30)=1.656,PURREC(121)=1.656 \$ 0001280

CRD NO. 102 GCRREC(30)=1.03,GCRREC(121)=1.03 \$
 CRD NO. 103 UIRREC(30)=1.03,UIRREC(121)=1.03 \$
 CRD NO. 104 FBRREC(30)=1.353,FBRREC(121)=1.353 \$
 CRD NO. 105 (OPERATING & MAINTENANCE COSTS - MILLS/KWE-HRD) \$
 CRD NO. 106 FOSOM(30)=1.60,FOSOM(121)=1.60 \$
 CRD NO. 107 BWROM(30)=2.12,BWROM(121)=2.12 \$
 CRD NO. 108 PWROM(30)=2.12,PWROM(121)=2.12 \$
 CRD NO. 109 PUROM(30)=2.12,PUROM(121)=2.12 \$
 CRD NO. 110 GCROM(30)=2.12,GCROM(121)=2.12 \$
 CRD NO. 111 UIROM(30)=2.12,UIROM(121)=2.12 \$
 CRD NO. 112 FBROM(30)=2.12,FBROM(121)=2.12 \$
 CRD NO. 113 (CAPITAL COSTS -- \$/KWE) \$
 CRD NO. 114 FOCC(1) = 500.0 , 99999.0 , 99999.0 \$
 CRD NO. 115 BWRCC(1)=660. , BWRCC(121)=660. \$
 CRD NO. 116 PWRCC(1)=660. , PWRCC(121)=660. \$
 CRD NO. 117 GCRCC(1)=600. , GCRCC(121)=600. \$
 CRD NO. 118 FBRCC(1)=660. , FBRCC(121)=660. \$
 CRD NO. 119 \$
 CRD NO. 120 (ANNUAL INFLATION RATES - %/100) \$
 CRD NO. 121 \$
 CRD NO. 122 RATEML(20)=.06,RATEML(121)=.06 \$
 CRD NO. 123 RATEM(20)=.06,RATEM(121)=.06 \$
 CRD NO. 124 RATEFL(20)=.06,RATEFL(121)=.06 \$
 CRD NO. 125 RATEG(1)=.06,RATEG(121)=.06 \$
 CRD NO. 126 RATEN(20)=.06,RATEN(121)=.06 \$
 CRD NO. 127 JTRIP=150 \$
 CRD NO. 128 \$
 CRD NO. 129 (MATERIAL AND LABOR SPLITS) \$
 CRD NO. 130 \$
 CRD NO. 131 FLBFAB=.1,FMBFAB=.9,FLBREC=.3,FMBREC=.2,FLBOM=1.0 \$
 CRD NO. 132 FLBCC=1.0,FMBCC=0.00 \$
 CRD NO. 133 FLFCC=1.0,FMFCC=0.00,FLFOM=1.0 \$
 CRD NO. 134 FLLCC=1.0,FMLCC=0.00 \$
 CRD NO. 135 FLLFAB=.61 ,FMLFAB=.39 ,FLLREC=.45,FMLREC=.3 ,FLLOM=1.0 \$
 CRD NO. 136 FLLEC=.15 ,FMLEC=.55 ,FLLUC=.5,FMLUC=.4 \$
 CRD NO. 137 FLPFAB=.4,FMPFAB=.6,FLPREC=.45,FMPREC=.3,FLPUOM=1.0 \$
 CRD NO. 138 FLGCC=1.0,FMGCC=0.00 \$
 CRD NO. 139 FLGFAB=.61 ,FMGFAB=.39 ,FLOREC=.45,FMGREC=.3 ,FLGOM=1.0 \$
 CRD NO. 140 FLGEC=.15 ,FMGEC=.55 ,FLGUC=.5,FMGUC=.4 \$
 CRD NO. 141 FLIFAB=.4,FMIFAB=.6,FLIREC=.45,FMIREC=.3,FLUIOM=1.0 \$
 CRD NO. 142 \$
 CRD NO. 143 (ECONOMICS - INTEREST & DISCOUNT RATES - %/100) \$
 CRD NO. 144 \$
 CRD NO. 145 R=0.1024 \$
 CRD NO. 146 DRWTP=0.1236,DRWTP=0.1130 \$
 CRD NO. 147 (EFFECTIVE INTEREST RATE PLUS TAXES) \$
 CRD NO. 148 EINRPT=0.1556 \$
 CRD NO. 149 FBRD30=0.0252 \$
 CRD NO. 150 FBRI30=0.1187 \$
 CRD NO. 151 FBRICR=0.1300 \$
 CRD NO. 152 FBRDJB = 0.0193 , FBRIJB = 0.1268 \$
 CRD NO. 153 (AVERAGE CAPITAL CHARGE RATE) \$

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CRD NO..154 AVECCR=0.1464 \$
 CRD NO..155 ACCR30 = 0.1380 \$
 CRD NO..156 (REGIONAL CAPITAL CHARGE RATE MULTIPLIERS)\$
 CRD NO..157 CCR(1)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 CRD NO..158 CCR(10)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 CRD NO..159 CCR(19)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 CRD NO..160 \$
 CRD NO..161 (MISCELLANEOUS INPUTS)\$
 CRD NO..162 \$
 CRD NO..163 A1=2.0,A3=0.5465 \$
 CRD NO..164 (YR IN WHICH URAN RECYCLE BEGINS & TIME TO DEPLETION)\$
 CRD NO..165 LFYUR =2000 , LTDURS = 1 \$
 CRD NO..166 (YR IN WHICH PU RECYCLE BEGINS & TIME TO DEPLETION OF STOCKPILE)\$
 CRD NO..167 LFYPUR = 2000 \$
 CRD NO..168 LTDPUS = 4 \$
 CRD NO..169 (YR OF GCR INTRO, YR U-233 RECYCLE BEGINS, YRS TO STOCK DEplete) \$
 CRD NO..170 = 1995. , LFYUIR = 1990 , LTDUIS = 10 \$
 CRD NO..171 (FRACTION OF THE CAPITAL COST WHICH IS INTEREST DURING CONSTRUCTION)\$
 CRD NO..172 CINDC = 0.0 \$
 CRD NO..173 HTGRF = 0.00 \$
 CRD NO..174 GCRLIM(1)=1.,2.,4.,6.,9.,12.,14.,16.,18.,20. \$
 CRD NO..175 FBRLIM(1)=1.,2.,4.,6.,9.,12.,14.,16.,18.,20. \$
 CRD NO..176 JB = 16 \$
 CRD NO..177 NY = 2050 , LYEAR = 2020 , D1 = 2005. \$
 CRD NO..178 IFIRST = 2001 \$
 CRD NO..179 IBTOPW = 2005 \$
 CRD NO..180 (CAPACITY FACTOR INFORMATION)\$
 CRD NO..181 RL11 = 0.70 , RL21 = 0.80 , RL31 = 0.80 , RL61 = 0.70 \$
 CRD NO..182 C(1)=1.0,C(6)=1.0,C(40)=.815,C(81)=.421,C(82)=0.0 \$
 CRD NO..183 (BWR TO LWR FRACTION)\$
 CRD NO..184 BWRLWR=1.00\$
 CRD NO..185 NOUT(1)=1,3,1,1,1,1,1,0,0,0,1,0,1,1,1,1,0,0,1,0 \$
 CRD NO..186 NOUT(21)=1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1 \$
 DTA CALL NO.....2 INPUT EDITS

CRD NO....1 (CURRENT AVERAGE FOSSIL FUEL COST FOR EXISTING PLANTS - C/MBTU)\$
 CRD NO....2 CAFOFC = 90.0 \$
 CRD NO....3 (AVERAGE FOSSIL FUEL COSTS - COAL - OIL - GAS - CENTS/MBTU)\$
 CRD NO....4 AFOFC(1) = 100.0, 999999.0, 999999.0 \$
 CRD NO....5 (FOSSIL FUEL COST MULTIPLIERS - FOFC(I,J) - I=FUEL,J=REGION)\$
 CRD NO....6 FOFC(1,1) = 1.108,1.,1. \$
 CRD NO....7 FOFC(1,2) = 1.517,1.,1. \$
 CRD NO....8 FOFC(1,3) = 1.517,1.,1. \$
 CRD NO....9 FOFC(1,4) = 1.913,1.,1. \$
 CRD NO....10 FOFC(1,5) = 0.726,1.,1. \$
 CRD NO....11 FOFC(1,6) = 1.082,1.,1. \$
 CRD NO....12 FOFC(1,7) = 1.082,1.,1. \$
 CRD NO....13 FOFC(1,8) = 1.610,1.,1. \$
 CRD NO....14 FOFC(1,9) = 0.699,1.,1. \$
 CRD NO....15 FOFC(1,10) = 1.240,1.,1. \$
 CRD NO....16 FOFC(1,11) = 1.240,1.,1. \$

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CRD NO...17 FOFC(1,12)= 1.728,1.,1. \$
 CRD NO...18 FOFC(1,13)= 0.475,1.,1. \$
 CRD NO...19 FOFC(1,14)= 0.765,1.,1. \$
 CRD NO...20 FOFC(1,15)= 0.765,1.,1. \$
 CRD NO...21 FOFC(1,16)= 0.990,1.,1. \$
 CRD NO...22 FOFC(1,17)= 0.237,1.,1. \$
 CRD NO...23 FOFC(1,18)= 0.237,1.,1. \$
 CRD NO...24 FOFC(1,19)= 0.581,1.,1. \$
 CRD NO...25 FOFC(1,20)= 1.003,1.,1. \$
 CRD NO...26 FOFC(1,21)= 0.396,1.,1. \$
 CRD NO...27 FOFC(1,22)= 0.396,1.,1. \$
 CRD NO...28 FOFC(1,23)= 1.346,1.,1. \$
 CRD NO...29 FOFC(1,24)= 1.346,1.,1. \$
 CRD NO...30 (FOSSIL FUEL ESCALATION RATES)\$
 CRD NO...31 FFER(1,30)=.01147,.01147,.01147 \$
 CRD NO...32 FFER(1,121)=.01147,.01147,.01147 \$
 CRD NO...33 (FOSSIL THERMAL EFFICIENCIES)
 CRD NO...34 FEFF(1) = 0.38 , 0.38 , 0.38 \$
 CRD NO...35 (NUCLEAR LABOR COST MULTIPLIERS BY REGION)\$
 CRD NO...36 LCMN(1) = 1.086,1.086,1.086,1.086,0.935,0.935,0.935,0.935,1.036,1.036 \$
 CRD NO...37 LCMN(11)=1.036,1.036,0.985,0.985,0.985,0.985,0.960,0.960,0.960,0.960 \$
 CRD NO...38 LCMN(21)= 0.998,0.998,0.998,0.998 \$
 CRD NO...39 (FOSSIL LABOR COST MULTIPLIERS BY REGION)\$
 CRD NO...40 LCMF(1) =1.072,1.072,1.072,1.072,0.936,0.936,0.936,0.936,1.030,1.030 \$
 CRD NO...41 LCMF(11)=1.030,1.030,1.001,1.001,1.001,1.001,0.959,0.959,0.959,0.959 \$
 CRD NO...42 LCMF(21)=0.857,0.857,0.857,0.857 \$
 CRD NO...43 (GROWTH RATES)\$
 CRD NO...44 GROW(20)=0.05,GROW(60)=0.05,GROW(61)=0.035,GROW(80)=0.035 \$
 CRD NO...45 GROW(81)=0.05
 CRD NO...46 RGROW(1)=0.852,0.852,0.852,0.852,1.239,1.239,1.239,1.239,0.936,0.936 \$
 CRD NO...47 RGROW(11)=0.936,0.936,0.937,0.937,0.937,0.937,1.239,1.239,1.239,1.239 \$
 CRD NO...48 RGROW(21)=1.014,1.014,1.014,1.014 \$
 CRD NO...49 (1975 REGIONAL INSTALLED CAPACITIES - MWE)\$
 CRD NO...50 CAPBY(1)=26109.,16038.,16039.,16411.,13729.,20190.,20190.,26650. \$
 CRD NO...51 CAPBY(9)=16931.,18744.,18745.,6047.,8134.,12426.,12426.,12200. \$
 CRD NO...52 CAPBY(17)=16304.,16304.,8454.,19323.,13802.,13802.,20703.,20703. \$\$

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THE ABOVE CASE HAS BEEN SKIPPED (A1 IS GREATER THAN 1.0).

START OF CASE (
 DTA CALL NO.....7

031479
 INPUT EDITS

CRD NO....1 (CASE # 3 , LWR AND 4021 - NO RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , IBTOPW = 2051 \$
 CRD NO....4 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 \$
 CRD NO....5 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 \$
 CRD NO....6 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 \$
 CRD NO....7 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 \$
 CRD NO....8 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 \$
 CRD NO....9 UIRREC(30) = 0.475 , UIRREC(121) = 0.475 \$
 CRD NO....10 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 \$
 CRD NO....11 LFYUIR = 2051 , LFYPUR = 2051 \$
 CRD NO....12 GCRSFI = 0.0 , CGUINV = 0.0 \$
 CRD NO....13 GCRLIM(1) = 1.14, 2.29, 4.57, 6.86, 10.29, 13.71, 16.18, 18.29, 20.57, 22.86 \$
 CRD NO....14 EPNOUT(3) = 0.002 \$ \$
 DTA CALL NO.....8
 INPUT EDITS

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 00003010

CRD NO....1 \$ \$

00003020

NCOUNT	FOSSIL	LWR	OCR	FBR	U308	PU	SEP.WK.
1	812.5	1301.9	85.6	0.	1896.50	1771.73	1041.29
2	1045.7	1097.9	85.6	0.	1884.34	1738.92	1041.29
3	1032.1	1109.8	85.6	0.	1876.94	1738.94	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	482.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	0.	0.	16.0	171.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	0.	0.	17.0	188.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	0.	0.	18.0	206.	0.	0.
90	736.	23.8	511.	1.0	1.	0.	0.	1.0	1.	17.9	223.	0.	0.	17.9	223.	0.	0.
91	773.	26.6	528.	2.0	3.	0.	0.	2.0	3.	17.7	241.	0.	0.	17.7	241.	0.	0.
92	811.	28.6	548.	4.0	7.	0.	0.	4.0	7.	15.9	257.	0.	0.	15.9	257.	0.	0.
93	850.	30.7	568.	6.0	13.	0.	0.	6.0	13.	14.1	271.	0.	0.	14.1	271.	0.	0.
94	892.	32.5	587.	9.0	22.	0.	0.	9.0	22.	11.7	282.	0.	0.	11.7	282.	0.	0.
95	935.	34.9	609.	12.0	34.	0.	0.	12.0	34.	8.8	291.	0.	0.	8.8	291.	0.	0.
96	980.	37.5	633.	14.0	48.	0.	0.	14.0	48.	7.0	298.	0.	0.	7.0	298.	0.	0.
97	1027.	40.3	660.	16.0	64.	0.	0.	16.0	64.	5.2	302.	0.	0.	5.2	302.	0.	0.
98	1076.	43.3	688.	18.0	82.	0.	0.	18.0	82.	3.4	306.	0.	0.	3.4	306.	0.	0.
99	1127.	46.4	718.	20.0	102.	0.	0.	20.0	102.	1.6	307.	0.	0.	1.6	307.	0.	0.
00	1181.	49.8	753.	21.9	124.	0.	0.	21.9	124.	0.	304.	0.	0.	0.	304.	0.	0.
01	1217.	13.8	751.	41.4	166.	0.	0.	41.4	166.	0.	301.	0.	0.	0.	301.	0.	0.
02	1255.	17.0	751.	42.8	208.	0.	0.	42.8	208.	0.	295.	0.	0.	0.	295.	0.	0.
03	1293.	17.8	753.	44.8	253.	0.	0.	44.8	253.	0.	287.	0.	0.	0.	287.	0.	0.
04	1333.	18.7	758.	46.9	300.	0.	0.	46.9	300.	0.	276.	0.	0.	0.	276.	0.	0.
05	1375.	23.2	760.	45.9	346.	0.	0.	45.9	346.	0.	269.	0.	0.	0.	269.	0.	0.
06	1418.	24.4	762.	48.1	394.	0.	0.	48.1	394.	0.	262.	0.	0.	0.	262.	0.	0.
07	1463.	29.8	769.	46.7	440.	0.	0.	46.7	440.	0.	254.	0.	0.	0.	254.	0.	0.
08	1510.	27.8	779.	43.4	484.	0.	0.	43.4	484.	0.	247.	0.	0.	0.	247.	0.	0.
09	1559.	28.9	791.	45.1	529.	0.	0.	45.1	529.	0.	238.	0.	0.	0.	238.	0.	0.
10	1609.	30.0	804.	46.8	576.	0.	0.	46.8	576.	0.	229.	0.	0.	0.	229.	0.	0.
11	1662.	31.3	818.	48.7	624.	0.	0.	48.7	624.	0.	219.	0.	0.	0.	219.	0.	0.
12	1718.	32.5	832.	50.6	675.	0.	0.	50.6	675.	0.	208.	0.	0.	0.	208.	0.	0.
13	1771.	33.8	848.	52.6	728.	0.	0.	52.6	728.	0.	196.	0.	0.	0.	196.	0.	0.
14	1829.	35.2	864.	54.6	782.	0.	0.	54.6	782.	0.	183.	0.	0.	0.	183.	0.	0.
15	1889.	36.6	881.	56.8	839.	0.	0.	56.8	839.	0.	169.	0.	0.	0.	169.	0.	0.
16	1952.	48.1	909.	50.3	889.	0.	0.	50.3	889.	0.	154.	0.	0.	0.	154.	0.	0.
17	2018.	50.0	938.	52.2	941.	0.	0.	52.2	941.	0.	138.	0.	0.	0.	138.	0.	0.
18	2085.	52.1	968.	54.3	996.	0.	0.	54.3	996.	0.	121.	0.	0.	0.	121.	0.	0.
19	2158.	54.2	999.	56.4	1052.	0.	0.	56.4	1052.	0.	103.	0.	0.	0.	103.	0.	0.
20	2227.	56.4	1032.	58.6	1110.	0.	0.	58.6	1110.	0.	86.	0.	0.	0.	86.	0.	0.
21	2181.	0.	1005.	0.	1108.	0.	0.	0.	1108.	0.	68.	0.	0.	0.	68.	0.	0.
22	2133.	0.	977.	0.	1104.	0.	0.	0.	1104.	0.	52.	0.	0.	0.	52.	0.	0.
23	2082.	0.	946.	0.	1098.	0.	0.	0.	1098.	0.	38.	0.	0.	0.	38.	0.	0.

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24	2029.	0.	914.	0.	1089.	0.	0.	0.	1089.	0.	26.	0.	0.	0.	26.	0.	0.
25	1973.	0.	879.	0.	1077.	0.	0.	0.	1077.	0.	17.	0.	0.	0.	17.	0.	0.
26	1914.	0.	841.	0.	1063.	0.	0.	0.	1063.	0.	10.	0.	0.	0.	10.	0.	0.
27	1853.	0.	801.	0.	1047.	0.	0.	0.	1047.	0.	5.	0.	0.	0.	5.	0.	0.
28	1788.	0.	758.	0.	1029.	0.	0.	0.	1029.	0.	2.	0.	0.	0.	2.	0.	0.
29	1720.	0.	711.	0.	1009.	0.	0.	0.	1009.	0.	0.	0.	0.	0.	0.	0.	0.
30	1648.	0.	661.	0.	987.	0.	0.	0.	987.	0.	0.	0.	0.	0.	0.	0.	0.
31	1593.	0.	648.	0.	946.	0.	0.	0.	946.	0.	0.	0.	0.	0.	0.	0.	0.
32	1534.	0.	631.	0.	903.	0.	0.	0.	903.	0.	0.	0.	0.	0.	0.	0.	0.
33	1471.	0.	613.	0.	858.	0.	0.	0.	858.	0.	0.	0.	0.	0.	0.	0.	0.
34	1405.	0.	594.	0.	811.	0.	0.	0.	811.	0.	0.	0.	0.	0.	0.	0.	0.
35	1336.	0.	571.	0.	765.	0.	0.	0.	765.	0.	0.	0.	0.	0.	0.	0.	0.
36	1264.	0.	547.	0.	717.	0.	0.	0.	717.	0.	0.	0.	0.	0.	0.	0.	0.
37	1187.	0.	517.	0.	670.	0.	0.	0.	670.	0.	0.	0.	0.	0.	0.	0.	0.
38	1116.	0.	489.	0.	627.	0.	0.	0.	627.	0.	0.	0.	0.	0.	0.	0.	0.
39	1042.	0.	460.	0.	582.	0.	0.	0.	582.	0.	0.	0.	0.	0.	0.	0.	0.
40	965.	0.	430.	0.	535.	0.	0.	0.	535.	0.	0.	0.	0.	0.	0.	0.	0.
41	885.	0.	399.	0.	486.	0.	0.	0.	486.	0.	0.	0.	0.	0.	0.	0.	0.
42	802.	0.	366.	0.	436.	0.	0.	0.	436.	0.	0.	0.	0.	0.	0.	0.	0.
43	716.	0.	333.	0.	383.	0.	0.	0.	383.	0.	0.	0.	0.	0.	0.	0.	0.
44	626.	0.	297.	0.	329.	0.	0.	0.	329.	0.	0.	0.	0.	0.	0.	0.	0.
45	533.	0.	261.	0.	272.	0.	0.	0.	272.	0.	0.	0.	0.	0.	0.	0.	0.
46	434.	0.	213.	0.	222.	0.	0.	0.	222.	0.	0.	0.	0.	0.	0.	0.	0.
47	332.	0.	163.	0.	169.	0.	0.	0.	169.	0.	0.	0.	0.	0.	0.	0.	0.
48	226.	0.	111.	0.	115.	0.	0.	0.	115.	0.	0.	0.	0.	0.	0.	0.	0.
49	115.	0.	58.	0.	59.	0.	0.	0.	59.	0.	0.	0.	0.	0.	0.	0.	0.
50	-0.	0.	-0.	0.	-0.	0.	-0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

BILLION \$ ECONOMIC COST CASE *****																
YR	CAPITAL INVESTMENTS				EXPENSES											
	*****				*****											
	FOSSIL	HTOR LWR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS		
						FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES	WITH PU	W/O PU	
*****	*****	*****	*****	*****	FUEL O&M	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
77	11.45	5.18	0.	16.63	15.38	1.04	0.48	0.18	0.	0.	0.	0.	0.	0.	33.70	33.70
78	19.44	9.17	0.	28.61	30.18	2.15	1.50	0.72	0.	0.	0.	0.	0.	0.	63.16	63.16
79	26.96	13.58	0.	40.54	44.41	3.33	2.61	1.33	0.	0.	0.	0.	0.	0.	92.22	92.22
80	34.26	18.11	0.	52.37	58.09	4.59	3.78	2.02	0.	0.	0.	0.	0.	0.	120.86	120.86
81	41.26	22.86	0.	64.13	71.23	5.92	5.05	2.77	0.	0.	0.	0.	0.	0.	149.10	149.10
82	48.00	27.80	0.	75.80	83.84	7.33	6.38	3.59	0.	0.	0.	0.	0.	0.	176.94	176.94
83	54.51	32.87	0.	87.38	95.95	8.82	7.78	4.46	0.	0.	0.	0.	0.	0.	204.40	204.40
84	60.82	38.06	0.	98.88	107.56	10.38	9.27	5.40	0.	0.	0.	0.	0.	0.	231.50	231.50
85	66.95	43.33	0.	110.28	118.67	12.02	10.84	6.40	0.	0.	0.	0.	0.	0.	258.21	258.21
86	72.94	48.66	0.	121.59	129.29	13.73	12.48	7.44	0.	0.	0.	0.	0.	0.	284.53	284.53
87	78.79	54.02	0.	132.81	139.45	15.51	14.19	8.51	0.	0.	0.	0.	0.	0.	310.47	310.47
88	84.53	59.39	0.	143.93	149.16	17.35	15.98	9.62	0.	0.	0.	0.	0.	0.	336.04	336.04
89	90.19	64.76	0.	154.94	158.44	19.26	17.85	10.76	0.	0.	0.	0.	0.	0.	361.25	361.25
90	95.76	70.09	0.	165.85	167.32	21.22	19.77	11.93	0.	0.	0.	0.	0.	0.	386.09	386.09
91	101.65	75.38	0.	177.02	175.80	23.23	21.75	13.12	0.	0.	0.	0.	0.	0.	410.93	410.93
92	107.62	80.47	0.	188.08	183.90	25.28	23.74	14.35	0.	0.	0.	0.	0.	0.	435.35	435.35
93	113.67	85.36	0.	199.03	191.64	27.35	25.73	15.59	0.	0.	0.	0.	0.	0.	459.34	459.34
94	119.70	90.18	0.	209.88	199.04	29.45	27.71	16.85	0.	0.	0.	0.	0.	0.	482.94	482.94
95	125.82	94.80	0.	220.62	206.12	31.55	29.68	18.14	0.	0.	0.	0.	0.	0.	506.11	506.11
96	132.02	99.24	0.	231.27	212.89	33.66	31.63	19.44	0.	0.	0.	0.	0.	0.	528.89	528.89
97	138.31	103.51	0.	241.82	219.40	35.76	33.58	20.75	0.	0.	0.	0.	0.	0.	551.29	551.29
98	144.67	107.61	0.	252.28	225.64	37.85	35.47	22.07	0.	0.	0.	0.	0.	0.	573.31	573.31
99	151.11	111.55	0.	262.66	231.64	39.93	37.36	23.39	0.	0.	0.	0.	0.	0.	594.97	594.97
00	157.62	115.33	0.	272.95	237.45	41.97	39.26	24.71	0.	0.	0.	0.	0.	0.	616.34	616.34
01	159.30	122.07	0.	281.38	242.78	44.06	41.44	26.21	0.	0.	0.	0.	0.	0.	635.87	635.87
02	161.29	128.65	0.	289.94	247.70	46.18	43.75	27.76	0.	0.	0.	0.	0.	0.	655.32	655.32
03	163.25	135.15	0.	298.40	252.25	48.31	46.18	29.34	0.	0.	0.	0.	0.	0.	674.48	674.48
04	165.19	141.56	0.	306.75	256.48	50.45	48.73	30.96	0.	0.	0.	0.	0.	0.	693.37	693.37
05	167.46	147.49	0.	314.95	260.37	52.59	51.37	32.56	0.	0.	0.	0.	0.	0.	711.84	711.84
06	169.71	153.35	0.	323.05	263.93	54.74	54.13	34.20	0.	0.	0.	0.	0.	0.	730.06	730.06
07	172.30	158.71	0.	331.01	267.35	56.89	56.88	35.79	0.	0.	0.	0.	0.	0.	747.90	747.90
08	174.58	163.42	0.	337.99	270.64	59.01	59.70	37.36	0.	0.	0.	0.	0.	0.	764.70	764.70
09	176.82	168.03	0.	344.84	273.82	61.11	62.64	38.92	0.	0.	0.	0.	0.	0.	781.33	781.33
10	179.01	172.55	0.	351.56	276.89	63.19	65.74	40.48	0.	0.	0.	0.	0.	0.	797.85	797.85
11	181.17	176.98	0.	358.15	279.87	65.23	68.98	42.02	0.	0.	0.	0.	0.	0.	814.25	814.25
12	183.28	181.32	0.	364.60	282.75	67.25	72.44	43.55	0.	0.	0.	0.	0.	0.	830.60	830.60
13	185.36	185.58	0.	370.94	285.54	69.24	76.29	45.07	0.	0.	0.	0.	0.	0.	847.08	847.08
14	187.39	189.78	0.	377.15	288.26	71.20	80.51	46.58	0.	0.	0.	0.	0.	0.	863.69	863.69
15	189.39	193.85	0.	383.24	290.90	73.12	85.11	48.07	0.	0.	0.	0.	0.	0.	880.44	880.44

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17	194.30	200.62	0.	394.92	296.19	76.82	95.12	50.92	0.	0.	0.	0.	0.	17.	89
18	196.69	203.91	0.	400.60	298.85	78.61	100.53	52.30	0.	0.	0.	0.	0.	913.98	913.98
19	199.04	207.13	0.	406.17	301.50	80.34	106.04	53.66	0.	0.	0.	0.	0.	930.89	930.89
20	201.34	210.29	0.	411.63	304.16	82.03	111.46	54.99	0.	0.	0.	0.	0.	947.71	947.71
21	201.34	210.29	0.	411.63	306.63	83.60	115.93	56.11	0.	0.	0.	0.	0.	964.27	964.27
22	201.34	210.29	0.	411.63	308.92	85.06	120.10	57.18	0.	0.	0.	0.	0.	973.90	973.90
23	201.34	210.29	0.	411.63	311.04	86.40	124.00	58.12	0.	0.	0.	0.	0.	982.86	982.86
24	201.34	210.29	0.	411.63	312.99	87.65	127.84	59.01	0.	0.	0.	0.	0.	991.19	991.19
25	201.34	210.29	0.	411.63	314.78	88.80	131.03	59.84	0.	0.	0.	0.	0.	998.92	998.92
26	201.34	210.29	0.	411.63	316.42	89.87	134.21	60.61	0.	0.	0.	0.	0.	1006.09	1006.09
27	201.34	210.29	0.	411.63	317.91	90.85	137.16	61.32	0.	0.	0.	0.	0.	1012.74	1012.74
28	201.34	210.29	0.	411.63	319.26	91.76	139.92	61.98	0.	0.	0.	0.	0.	1018.88	1018.88
29	201.34	210.29	0.	411.63	320.47	92.60	142.48	62.59	0.	0.	0.	0.	0.	1024.55	1024.55
30	201.34	210.29	0.	411.63	321.54	93.38	144.87	63.14	0.	0.	0.	0.	0.	1029.77	1029.77
31	201.34	210.29	0.	411.63	322.55	94.08	146.95	63.63	0.	0.	0.	0.	0.	1034.56	1034.56
32	201.34	210.29	0.	411.63	323.51	94.71	148.82	64.07	0.	0.	0.	0.	0.	1038.84	1038.84
33	201.34	210.29	0.	411.63	324.40	95.28	150.49	64.46	0.	0.	0.	0.	0.	1042.73	1042.73
34	201.34	210.29	0.	411.63	325.23	95.78	151.97	64.80	0.	0.	0.	0.	0.	1046.25	1046.25
35	201.34	210.29	0.	411.63	326.01	96.23	153.29	65.10	0.	0.	0.	0.	0.	1049.42	1049.42
36	201.34	210.29	0.	411.63	326.72	96.63	154.45	65.37	0.	0.	0.	0.	0.	1052.26	1052.26
37	201.34	210.29	0.	411.63	327.37	96.98	155.46	65.61	0.	0.	0.	0.	0.	1054.80	1054.80
38	201.34	210.29	0.	411.63	327.96	97.29	156.38	65.81	0.	0.	0.	0.	0.	1057.05	1057.05
39	201.34	210.29	0.	411.63	328.49	97.56	157.14	65.99	0.	0.	0.	0.	0.	1059.06	1059.06
40	201.34	210.29	0.	411.63	328.98	97.79	157.80	66.14	0.	0.	0.	0.	0.	1060.82	1060.82
A-225	201.34	210.29	0.	411.63	329.41	97.99	158.38	66.27	0.	0.	0.	0.	0.	1062.35	1062.35
42	201.34	210.29	0.	411.63	329.79	98.17	158.80	66.38	0.	0.	0.	0.	0.	1063.66	1063.66
43	201.34	210.29	0.	411.63	330.12	98.31	159.18	66.46	0.	0.	0.	0.	0.	1064.76	1064.76
44	201.34	210.29	0.	411.63	330.42	98.42	159.42	66.53	0.	0.	0.	0.	0.	1065.68	1065.68
45	201.34	210.29	0.	411.63	330.67	98.51	159.60	66.57	0.	0.	0.	0.	0.	1066.41	1066.41
46	201.34	210.29	0.	411.63	330.87	98.58	159.72	66.61	0.	0.	0.	0.	0.	1066.98	1066.98
47	201.34	210.29	0.	411.63	331.01	98.63	159.79	66.63	0.	0.	0.	0.	0.	1067.41	1067.41
48	201.34	210.29	0.	411.63	331.11	98.66	159.79	66.63	0.	0.	0.	0.	0.	1067.68	1067.68
49	201.34	210.29	0.	411.63	331.15	98.67	159.79	66.63	0.	0.	0.	0.	0.	1067.82	1067.82
50	201.34	210.29	0.	411.63	331.15	98.67	159.79	66.63	0.00	0.	0.	0.	0.	1067.88	1067.88

G774T 02 03-14-79 02.756

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 4 , LWR AND 4021 - WITH RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 GCRLIM(1) = 1.14, 2.29, 4.57, 6.86, 10.29, 13.71, 16., 18.29, 20.57, 22.86 \$
 CRD NO....4 D1 = 2051.0 , ISTOPW = 2051 , LFYUIR = 2051 \$ \$
 DTA CALL NO.....2 INPUT EDITS

00003040
 00003050
 00003060
 00003070

CRD NO....1 \$ \$

00003080

NCCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	747.7	1358.7	85.6	0.	1726.28	1609.28	1041.29
2	931.0	1198.3	85.6	0.	1668.05	1442.55	1041.29
3	927.1	1201.7	85.6	0.	1631.05	1447.77	1041.29
4	927.1	1201.7	85.6	0.	1606.38	1447.77	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	18.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	1.0	1.	0.	0.	1.0	1.	17.9	223.	9.2	34.	8.6	190.	0.	0.
91	773.	26.6	528.	2.0	3.	0.	0.	2.0	3.	17.7	241.	9.7	38.	15.6	205.	0.	0.
92	811.	28.6	546.	4.0	7.	0.	0.	4.0	7.	15.9	257.	14.1	42.	10.2	215.	0.	0.
93	850.	30.7	566.	6.0	13.	0.	0.	6.0	13.	14.1	271.	15.3	48.	7.6	222.	0.	0.
94	892.	32.5	587.	9.0	22.	0.	0.	9.0	22.	11.7	282.	16.1	55.	4.9	227.	0.	0.
95	935.	34.9	609.	12.0	34.	0.1	0.	11.9	34.	8.8	291.	16.7	62.	1.8	229.	0.	0.
A-227	96	980.	37.5	633.	14.0	48.	0.1	13.9	48.	7.0	298.	17.2	65.	3.8	233.	0.	0.
97	1027.	40.3	660.	16.0	64.	0.1	0.	15.9	64.	5.2	302.	19.5	70.	1.0	233.	0.	0.
98	1076.	43.3	688.	18.0	82.	0.1	1.	17.9	82.	3.4	306.	20.4	74.	0.	232.	0.	0.
99	1127.	46.4	718.	20.0	102.	0.	0.	20.1	102.	1.6	307.	20.8	78.	0.	229.	0.	0.
00	1181.	49.8	753.	21.9	124.	0.1	0.	21.9	124.	0.	304.	21.0	82.	0.	223.	0.	0.
01	1217.	13.6	751.	41.4	166.	0.1	0.	41.4	166.	0.	301.	21.1	83.	0.	218.	0.	0.
02	1255.	14.7	749.	44.8	210.	0.1	0.	44.8	210.	0.	295.	22.0	85.	0.	211.	0.	0.
03	1293.	15.4	749.	46.9	257.	0.1	0.	46.8	257.	0.	287.	22.2	86.	0.	201.	0.	0.
04	1332.	16.2	750.	49.1	306.	0.	0.	49.2	306.	0.	276.	22.0	87.	0.	188.	0.	0.
05	1373.	17.0	746.	51.4	357.	0.	0.	51.5	357.	0.	269.	21.6	88.	0.	182.	0.	0.
06	1418.	17.8	742.	53.8	411.	0.	0.	53.9	411.	0.	262.	21.0	87.	1.0	176.	0.	0.
07	1459.	18.7	738.	56.4	468.	0.	0.	56.5	468.	0.	254.	21.0	86.	1.1	168.	0.	0.
08	1505.	20.1	741.	50.1	518.	0.	0.	50.1	518.	0.	247.	20.8	84.	1.2	162.	0.	0.
09	1553.	21.0	745.	52.0	570.	0.	0.	52.0	570.	0.	238.	20.3	83.	1.3	155.	0.	0.
10	1603.	25.8	753.	50.5	620.	0.	0.	50.5	620.	0.	229.	19.8	82.	1.2	147.	0.	0.
11	1655.	31.3	767.	48.7	669.	0.	0.	48.7	669.	0.	219.	19.1	80.	1.9	139.	0.	0.
12	1709.	32.5	781.	50.6	719.	0.	0.	50.6	719.	0.	208.	18.7	78.	2.1	130.	0.	0.
13	1765.	33.8	797.	52.6	772.	0.	0.	52.6	772.	0.	196.	18.2	76.	2.1	121.	0.	0.
14	1823.	35.2	813.	54.6	827.	0.	0.	54.6	827.	0.	183.	17.4	73.	2.4	110.	0.	0.
15	1883.	36.6	830.	56.8	883.	0.	0.	56.8	883.	0.	169.	16.8	71.	2.5	98.	0.	0.
16	1945.	38.1	848.	59.0	942.	0.	0.	59.0	942.	0.	154.	15.7	68.	3.0	86.	0.	0.
17	2009.	39.6	867.	61.3	1004.	0.	0.	61.3	1004.	0.	138.	14.9	65.	3.3	74.	0.	0.
18	2075.	41.2	886.	63.8	1067.	0.	0.	63.8	1067.	0.	121.	14.0	61.	3.5	60.	0.	0.
19	2143.	42.9	906.	66.3	1134.	0.	0.	66.3	1134.	0.	103.	12.9	58.	3.7	46.	0.	0.
20	2214.	44.7	927.	68.9	1202.	0.	0.	68.9	1202.	0.	86.	11.8	54.	3.9	32.	0.	0.
21	2168.	0.	900.	0.	1200.	0.	0.	0.	1200.	0.	68.	10.5	49.	4.4	19.	0.	0.
22	2119.	0.	872.	0.	1196.	0.	0.	0.	1196.	0.	52.	9.4	45.	4.6	7.	0.	0.
23	2069.	0.	841.	0.	1190.	0.	0.	0.	1190.	0.	38.	6.1	38.	4.7	0.	0.	0.

24	2015.	0.	809.	0.	1181.	0.	0.	0.	1181.	0.	26.	0.1	26.	2.7	0.	0.	0.
25	1960.	0.	774.	0.	1169.	0.	0.	0.	1169.	0.	17.	1.7	17.	0.	0.	0.	0.
26	1901.	0.	736.	0.	1155.	0.	0.	0.	1155.	0.	10.	2.4	10.	0.	0.	0.	0.
27	1840.	0.	696.	0.	1139.	0.	0.	0.	1139.	0.	5.	0.9	5.	0.	0.	0.	0.
28	1775.	0.	653.	0.	1121.	0.	0.	0.	1121.	0.	2.	-3.4	2.	0.	0.	0.	0.
29	1707.	0.	606.	0.	1101.	0.	0.	0.	1101.	0.	0.	0.1	0.	0.	0.	0.	0.
30	1635.	0.	556.	0.	1079.	0.	0.	0.	1079.	0.	0.	2.4	0.	0.	0.	0.	0.
31	1580.	0.	543.	0.	1037.	0.	0.	0.	1037.	0.	0.	0.9	0.	0.	0.	0.	0.
32	1521.	0.	528.	0.	993.	0.	0.	0.	993.	0.	0.	-3.4	0.	0.	0.	0.	0.
33	1458.	0.	513.	0.	946.	0.	0.	0.	946.	0.	0.	0.1	0.	0.	0.	0.	0.
34	1393.	0.	496.	0.	897.	0.	0.	0.	897.	0.	0.	2.4	0.	0.	0.	0.	0.
35	1325.	0.	479.	0.	845.	0.	0.	0.	845.	0.	0.	0.9	0.	0.	0.	0.	0.
36	1253.	0.	462.	0.	792.	0.	0.	0.	792.	0.	0.	-3.4	0.	0.	0.	0.	0.
37	1178.	0.	443.	0.	735.	0.	0.	0.	735.	0.	0.	0.1	0.	0.	0.	0.	0.
38	1108.	0.	423.	0.	685.	0.	0.	0.	685.	0.	0.	2.4	0.	0.	0.	0.	0.
39	1035.	0.	402.	0.	633.	0.	0.	0.	633.	0.	0.	0.9	0.	0.	0.	0.	0.
40	959.	0.	376.	0.	583.	0.	0.	0.	583.	0.	0.	-3.4	0.	0.	0.	0.	0.
41	879.	0.	345.	0.	534.	0.	0.	0.	534.	0.	0.	0.1	0.	0.	0.	0.	0.
42	796.	0.	312.	0.	483.	0.	0.	0.	483.	0.	0.	2.4	0.	0.	0.	0.	0.
43	709.	0.	278.	0.	431.	0.	0.	0.	431.	0.	0.	0.9	0.	0.	0.	0.	0.
44	619.	0.	243.	0.	376.	0.	0.	0.	376.	0.	0.	-3.4	0.	0.	0.	0.	0.
45	526.	0.	207.	0.	319.	0.	0.	0.	319.	0.	0.	0.1	0.	0.	0.	0.	0.
46	429.	0.	188.	0.	260.	0.	0.	0.	260.	0.	0.	2.4	0.	0.	0.	0.	0.
47	328.	0.	129.	0.	199.	0.	0.	0.	199.	0.	0.	0.9	0.	0.	0.	0.	0.
48	223.	0.	88.	0.	135.	0.	0.	0.	135.	0.	0.	-3.4	0.	0.	0.	0.	0.
49	114.	0.	45.	0.	69.	0.	0.	0.	69.	0.	0.	0.1	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	2.4	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES										
**	*****				*****										
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS	
	*****	*****	*****	*****	*****	*****				*****				*****	
						FUEL	FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU	WITH	W/O
						O&M	RECOVERY	FEED	SEP	SALES	RECOVERY	SALES	PURCHASES	PU	PU
						O&M	O&M		WK		O&M				
77	11.48	5.18	0.	16.63	15.38	1.21	0.48	0.18	0.	0.	0.	0.	0.	33.87	33.87
78	19.44	9.17	0.	28.61	30.18	2.80	1.35	0.71	0.	0.	0.	0.	0.	63.34	63.34
79	26.96	13.58	0.	40.54	44.41	3.87	2.30	1.31	0.	0.	0.	0.	0.	92.43	92.43
80	34.26	18.11	0.	52.37	58.09	5.33	3.31	1.99	0.	0.	0.	0.	0.	121.08	121.08
81	41.26	22.86	0.	64.13	71.23	6.88	4.37	2.73	0.	0.	0.	0.	0.	149.33	149.33
82	48.00	27.80	0.	75.80	83.84	8.52	5.50	3.52	0.	0.	0.	0.	0.	177.18	177.18
83	54.51	32.87	0.	87.38	95.95	10.24	6.70	4.38	0.	0.	0.	0.	0.	204.65	204.65
84	60.82	38.06	0.	98.88	107.53	12.06	7.95	5.30	0.	0.	0.	0.	0.	231.72	231.72
85	66.95	43.33	0.	110.28	118.61	13.96	9.28	6.28	0.	0.	0.	0.	0.	258.40	258.40
86	72.94	48.66	0.	121.59	129.21	15.95	10.63	7.29	0.19	0.19	0.	0.	0.	284.68	284.68
87	78.79	54.02	0.	132.81	139.34	18.07	11.81	8.23	0.39	0.39	0.	0.	0.	310.26	310.26
88	84.53	59.39	0.	143.93	149.02	20.31	12.99	9.15	0.59	0.59	0.	0.	0.	335.41	335.41
89	90.19	64.76	0.	154.94	158.29	22.68	14.18	10.07	0.79	0.79	0.	0.	0.	360.16	360.16
90	95.76	70.09	0.	165.85	167.15	25.15	15.36	10.99	0.99	0.99	0.	0.	0.	384.49	384.49
91	101.65	75.38	0.	177.02	175.60	27.67	16.74	11.99	1.27	1.27	0.	0.	0.	409.03	409.03
92	107.62	80.47	0.	188.08	183.68	30.25	18.03	12.98	1.56	1.56	0.	0.	0.	433.03	433.03
93	113.67	85.36	0.	199.03	191.41	32.87	19.30	13.98	1.86	1.86	0.	0.	0.	456.58	456.58
94	119.70	90.18	0.	209.88	198.79	35.53	20.54	14.98	2.15	2.15	0.	0.	0.	479.73	479.73
95	125.82	94.80	0.	220.62	205.85	38.20	21.78	15.99	2.44	2.44	0.	0.	0.	502.42	502.42
96	132.02	99.24	0.	231.27	212.60	40.87	23.03	17.05	2.75	2.75	0.	0.	0.	524.82	524.82
97	138.31	103.51	0.	241.82	219.10	43.51	24.27	18.11	3.05	3.05	0.	0.	0.	546.81	546.81
98	144.67	107.61	0.	252.28	225.32	46.14	25.51	19.18	3.35	3.35	0.	0.	0.	568.43	568.43
99	151.11	111.55	0.	262.66	231.31	48.73	26.77	20.28	3.63	3.63	0.	0.	0.	589.75	589.75
00	157.62	115.33	0.	272.95	237.10	51.27	28.04	21.40	3.90	3.90	0.	0.	0.	610.76	610.76
01	159.30	122.07	0.	281.38	242.42	53.83	29.51	22.69	4.17	4.17	0.	0.	0.	629.83	629.83
02	161.02	128.96	0.	289.98	247.30	56.40	31.04	24.06	4.42	4.42	0.	0.	0.	648.78	648.78
03	162.71	135.76	0.	298.48	251.79	58.96	32.83	25.47	4.66	4.66	0.	0.	0.	667.33	667.33
04	164.39	142.48	0.	306.87	255.93	61.51	34.29	26.93	4.89	4.89	0.	0.	0.	685.54	685.54
05	166.05	149.11	0.	315.17	259.68	64.06	36.08	28.43	5.12	5.12	0.	0.	0.	703.40	703.40
06	167.70	155.66	0.	323.36	263.05	66.61	37.97	29.97	5.34	5.34	0.	0.	0.	720.97	720.97
07	169.33	162.14	0.	331.47	266.17	69.14	39.94	31.83	5.56	5.56	0.	0.	0.	738.25	738.25
08	170.98	167.57	0.	338.55	269.12	71.65	41.98	33.06	5.77	5.77	0.	0.	0.	754.37	754.37
09	172.61	172.89	0.	345.50	271.91	74.13	44.13	34.61	5.97	5.97	0.	0.	0.	770.27	770.27
10	174.50	177.76	0.	352.26	274.58	76.56	46.36	36.15	6.17	6.17	0.	0.	0.	785.91	785.91
11	176.66	182.19	0.	358.85	277.17	78.93	48.68	37.67	6.36	6.36	0.	0.	0.	801.29	801.29
12	178.77	188.53	0.	365.30	279.68	81.26	51.09	39.18	6.55	6.55	0.	0.	0.	816.51	816.51
13	180.85	190.79	0.	371.64	282.13	83.52	53.64	40.68	6.73	6.73	0.	0.	0.	831.61	831.61
14	182.88	194.97	0.	377.85	284.51	85.73	56.35	42.18	6.91	6.91	0.	0.	0.	846.63	846.63
15	184.88	199.06	0.	383.94	286.84	87.89	59.22	43.66	7.07	7.07	0.	0.	0.	861.56	861.56

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[illegible]

0774T 02 03-14-79 02.812

PAGE 1

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 5 , LWR , 4021 , PB AND NB - WITH RECYCLE)\$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO....4 IBTOPW = 2016 \$
 CRD NO....5 D1 = 2051.0 , LFYUIR = 2010 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003100
 00003110
 00003120
 00003130
 00003140

CRD NO....1 \$\$

00003150

NCGUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	770.1	1267.9	166.8	0.	1773.37	1627.39	1041.29
2	1077.2	876.4	307.3	0.	1695.55	1459.02	1041.29
3	1048.7	878.9	332.9	0.	1652.18	1477.42	1041.29
4	1000.0	882.3	377.7	0.	1634.21	1501.11	1041.29

A-231

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
***** (T H O U S A N D S O F M W) *****																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	58.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	1.0	1.	0.	0.	1.0	1.	17.9	223.	9.2	34.	8.6	190.	0.	0.
91	773.	26.6	528.	2.0	3.	0.	0.	2.0	3.	17.7	241.	9.7	36.	15.5	205.	0.	0.
92	811.	28.6	546.	4.0	7.	0.	0.	4.0	7.	15.9	257.	14.1	42.	10.2	215.	0.	0.
93	850.	30.7	566.	6.0	13.	0.	0.	6.0	13.	14.1	271.	15.3	48.	7.6	222.	0.	0.
94	892.	32.5	587.	9.0	22.	0.	0.	9.0	22.	11.7	282.	16.1	55.	4.9	227.	0.	0.
95	935.	34.8	609.	12.0	34.	0.1	0.	11.8	34.	8.8	291.	16.7	62.	1.8	229.	0.	0.
96	980.	37.5	633.	14.0	48.	0.1	0.	13.9	48.	7.0	298.	17.2	65.	3.8	233.	0.	0.
97	1027.	40.3	660.	16.0	64.	0.1	0.	15.9	64.	5.2	302.	19.5	70.	1.0	233.	0.	0.
98	1076.	43.3	688.	18.0	82.	0.1	1.	17.9	82.	3.4	306.	20.4	74.	0.	232.	0.	0.
99	1127.	46.4	718.	20.0	102.	0.	0.	20.1	102.	1.6	307.	20.8	78.	0.	229.	0.	0.
00	1181.	49.8	753.	21.9	124.	0.1	0.	21.9	124.	0.	304.	21.0	82.	0.	223.	0.	0.
01	1217.	13.6	751.	41.4	166.	0.1	0.	41.4	165.	0.	301.	21.1	83.	0.	218.	0.	0.
02	1255.	14.7	749.	44.8	210.	0.1	0.	44.8	210.	0.	295.	22.0	85.	0.	211.	0.	0.
03	1293.	15.4	749.	46.9	257.	0.1	0.	46.9	257.	0.	287.	22.2	86.	0.	201.	0.	0.
04	1332.	16.2	750.	49.1	306.	0.	0.	49.2	306.	0.	276.	22.0	87.	0.	188.	0.	0.
05	1373.	17.0	746.	51.4	357.	0.	0.	51.5	357.	0.	269.	21.6	88.	0.	182.	0.	0.
06	1415.	17.8	742.	53.8	411.	0.	0.	53.9	411.	0.	262.	21.0	87.	1.0	176.	0.	0.
07	1459.	18.7	738.	56.4	468.	0.	0.	56.5	468.	0.	254.	21.0	86.	1.1	168.	0.	0.
08	1505.	20.1	741.	50.1	518.	0.	0.	50.1	518.	0.	247.	20.8	84.	1.2	162.	0.	0.
09	1553.	21.0	745.	52.0	570.	0.	0.	52.0	570.	0.	238.	20.3	83.	1.3	155.	0.	0.
10	1603.	25.9	753.	50.5	620.	0.	0.	50.5	620.	0.	229.	19.8	82.	1.2	147.	0.	0.
11	1655.	31.3	767.	48.7	669.	0.	0.	48.7	669.	0.	219.	19.1	80.	1.9	139.	0.	0.
12	1709.	32.5	781.	50.6	719.	0.	0.	50.6	719.	0.	208.	18.7	78.	2.1	130.	0.	0.
13	1765.	33.8	797.	52.6	772.	0.	0.	52.6	772.	0.	196.	18.2	76.	2.1	121.	0.	0.
14	1823.	35.2	813.	54.6	827.	0.	0.	54.6	827.	0.	183.	17.4	73.	2.4	110.	0.	0.
15	1883.	36.6	830.	56.8	883.	0.	0.	56.8	883.	0.	169.	16.6	71.	2.5	98.	0.	0.
16	1953.	48.1	858.	0.	883.	0.	0.	0.	883.	57.5	212.	15.7	68.	60.5	144.	0.	0.
17	2026.	50.0	887.	0.	883.	0.	0.	0.	883.	59.7	256.	14.9	68.	63.0	191.	0.	0.
18	2101.	52.1	917.	0.	883.	0.	0.	0.	883.	62.0	301.	17.1	64.	62.4	236.	0.	0.
19	2179.	54.2	949.	0.	883.	0.	0.	0.	883.	64.5	347.	19.2	67.	61.9	280.	0.	0.
20	2260.	75.1	1000.	0.	882.	0.	0.	0.	882.	48.4	378.	21.2	72.	42.9	305.	0.	0.
21	2214.	0.	973.	0.	880.	0.	0.	0.	880.	0.	360.	23.1	81.	0.	279.	0.	0.
22	2165.	0.	945.	0.	876.	0.	0.	0.	876.	0.	344.	24.1	88.	0.	256.	0.	0.
23	2114.	0.	914.	0.	870.	0.	0.	0.	870.	0.	330.	23.8	92.	0.	238.	0.	0.

24	2001.	0.	882.	0.	861.	0.	0.	0.	861.	0.	318.	23.6	95.	0.	224.	0.	0.
25	2008.	0.	847.	0.	849.	0.	0.	0.	849.	0.	309.	23.7	95.	0.	214.	0.	0.
26	1947.	0.	809.	0.	835.	0.	0.	0.	835.	0.	302.	23.9	95.	0.2	207.	0.	0.
27	1885.	0.	769.	0.	819.	0.	0.	0.	819.	0.	297.	23.9	95.	0.	202.	0.	0.
28	1821.	0.	725.	0.	801.	0.	0.	0.	801.	0.	294.	23.3	95.	0.3	199.	0.	0.
29	1752.	0.	679.	0.	781.	0.	0.	0.	781.	0.	292.	23.0	94.	0.7	198.	0.	0.
30	1681.	0.	629.	0.	759.	0.	0.	0.	759.	0.	292.	22.8	93.	1.0	199.	0.	0.
31	1626.	0.	818.	0.	718.	0.	0.	0.	718.	0.	292.	22.9	92.	1.0	200.	0.	0.
32	1566.	0.	601.	0.	673.	0.	0.	0.	673.	0.	292.	22.9	92.	0.4	200.	0.	0.
33	1504.	0.	586.	0.	626.	0.	0.	0.	626.	0.	292.	22.7	91.	0.3	201.	0.	0.
34	1439.	0.	569.	0.	577.	0.	0.	0.	577.	0.	292.	22.6	91.	0.3	201.	0.	0.
35	1370.	0.	552.	0.	526.	0.	0.	0.	526.	0.	292.	22.5	91.	0.4	201.	0.	0.
36	1299.	0.	535.	0.	472.	0.	0.	0.	472.	0.	292.	22.6	90.	0.4	202.	0.	0.
37	1224.	0.	516.	0.	416.	0.	0.	0.	416.	0.	292.	22.6	90.	0.1	202.	0.	0.
38	1154.	0.	498.	0.	366.	0.	0.	0.	366.	0.	292.	22.5	90.	0.1	202.	0.	0.
39	1081.	0.	475.	0.	314.	0.	0.	0.	314.	0.	292.	22.4	90.	0.1	202.	0.	0.
40	1004.	0.	449.	0.	263.	0.	0.	0.	263.	0.	292.	22.4	90.	0.1	202.	0.	0.
41	924.	0.	418.	0.	215.	0.	0.	0.	215.	0.	292.	22.4	90.	0.2	202.	0.	0.
42	841.	0.	385.	0.	164.	0.	0.	0.	164.	0.	292.	22.5	90.	0.0	202.	0.	0.
43	755.	0.	351.	0.	111.	0.	0.	0.	111.	0.	292.	22.4	90.	0.0	202.	0.	0.
44	665.	0.	316.	0.	57.	0.	0.	0.	57.	0.	292.	22.4	90.	0.0	202.	0.	0.
45	572.	0.	279.	0.	-0.	0.	-0.	0.	0.	0.	292.	22.4	90.	0.1	202.	0.	0.
46	468.	0.	231.	0.	-0.	0.	-0.	0.	0.	0.	235.	22.4	90.	0.1	145.	0.	0.
47	356.	0.	181.	0.	-0.	0.	-0.	0.	0.	0.	175.	22.4	90.	0.0	85.	0.	0.
48	242.	0.	129.	0.	-0.	0.	-0.	0.	0.	0.	113.	19.3	86.	3.1	26.	0.	0.
49	123.	0.	75.	0.	-0.	0.	-0.	0.	0.	0.	48.	-15.7	48.	6.3	0.	0.	0.
50	0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	0.	-26.0	0.	0.	0.	0.	0.

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ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES												
	*****				*****											*****	
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR				FBR			TOTALS				
*****	*****	*****	*****	*****	*****				*****			*****					
					FUEL O&M	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES	WITH PU	W/O PU		
77	11.45	5.18	0.	16.63	15.38	1.21	0.48	0.18	0.	0.	0.	0.	0.	33.87	33.87		
78	19.44	9.17	0.	28.61	30.18	2.50	1.35	0.71	0.	0.	0.	0.	0.	63.34	63.34		
79	26.96	13.58	0.	40.54	44.41	3.87	2.30	1.31	0.	0.	0.	0.	0.	92.43	92.43		
80	34.26	18.11	0.	52.37	58.09	5.33	3.31	1.99	0.	0.	0.	0.	0.	121.08	121.08		
81	41.26	22.86	0.	64.13	71.23	6.88	4.37	2.73	0.	0.	0.	0.	0.	149.33	149.33		
82	48.00	27.80	0.	75.80	83.84	8.52	5.50	3.52	0.	0.	0.	0.	0.	177.18	177.18		
83	54.51	32.87	0.	87.38	95.95	10.24	6.70	4.38	0.	0.	0.	0.	0.	204.65	204.65		
84	60.82	38.06	0.	98.88	107.53	12.06	7.95	5.30	0.	0.	0.	0.	0.	231.72	231.72		
85	66.95	43.33	0.	110.28	118.61	13.96	9.26	6.28	0.	0.	0.	0.	0.	258.40	258.40		
86	72.94	48.66	0.	121.59	129.21	15.95	10.63	7.29	0.19	0.19	0.	0.	0.	284.68	284.68		
87	78.79	54.02	0.	132.81	139.34	18.07	11.81	8.23	0.39	0.39	0.	0.	0.	310.26	310.26		
88	84.53	59.39	0.	143.93	149.02	20.31	12.99	9.15	0.59	0.59	0.	0.	0.	335.41	335.41		
89	90.19	64.76	0.	154.94	158.29	22.68	14.18	10.07	0.79	0.79	0.	0.	0.	360.16	360.16		
90	95.76	70.09	0.	165.85	167.15	25.15	15.36	10.99	0.99	0.99	0.	0.	0.	384.49	384.49		
91	101.65	75.38	0.	177.02	175.60	27.67	16.74	11.99	1.27	1.27	0.	0.	0.	409.03	409.03		
92	107.62	80.47	0.	188.08	183.68	30.25	18.03	12.98	1.56	1.56	0.	0.	0.	433.03	433.03		
93	113.67	85.36	0.	199.03	191.41	32.87	19.30	13.98	1.86	1.86	0.	0.	0.	456.58	456.58		
94	119.70	90.18	0.	209.88	198.79	35.53	20.54	14.98	2.15	2.15	0.	0.	0.	479.73	479.73		
95	125.82	94.80	0.	220.62	205.85	38.20	21.76	15.99	2.44	2.44	0.	0.	0.	502.42	502.42		
96	132.02	99.24	0.	231.27	212.60	40.87	23.03	17.05	2.75	2.75	0.	0.	0.	524.82	524.82		
97	138.31	103.51	0.	241.82	219.10	43.51	24.27	18.11	3.05	3.05	0.	0.	0.	546.81	546.81		
98	144.67	107.61	0.	252.28	225.32	46.14	25.51	19.18	3.35	3.35	0.	0.	0.	568.43	568.43		
99	151.11	111.55	0.	262.66	231.31	48.73	26.77	20.28	3.63	3.63	0.	0.	0.	589.75	589.75		
00	157.62	115.33	0.	272.95	237.10	51.27	28.04	21.40	3.90	3.90	0.	0.	0.	610.76	610.76		
01	159.30	122.07	0.	281.38	242.42	53.83	29.51	22.69	4.17	4.17	0.	0.	0.	629.83	629.83		
02	161.02	128.96	0.	289.98	247.30	56.40	31.04	24.06	4.42	4.42	0.	0.	0.	648.78	648.78		
03	162.71	135.76	0.	298.48	251.79	58.96	32.63	25.47	4.66	4.67	0.	0.	0.	667.33	667.33		
04	164.39	142.48	0.	306.87	255.93	61.51	34.29	26.93	4.89	4.90	0.	0.	0.	685.54	685.54		
05	166.05	149.11	0.	315.17	259.68	64.06	36.06	28.43	5.12	5.12	0.	0.	0.	703.40	703.40		
06	167.70	155.66	0.	323.36	263.05	66.61	37.97	29.97	5.34	5.34	0.	0.	0.	720.97	720.96		
07	169.33	162.14	0.	331.47	266.17	69.14	39.94	31.53	5.56	5.56	0.	0.	0.	738.25	738.25		
08	170.98	167.57	0.	338.55	269.12	71.65	41.98	33.08	5.77	5.77	0.	0.	0.	754.37	754.37		
09	172.61	172.89	0.	345.50	271.91	74.13	44.13	34.61	5.97	5.98	0.	0.	0.	770.28	770.27		
10	174.50	177.76	0.	352.26	274.58	76.56	46.36	36.15	6.17	6.17	0.	0.	0.	785.91	785.90		
11	176.66	182.19	0.	358.85	277.17	78.93	48.07	37.67	6.36	6.37	0.	0.	0.	801.29	801.29		
12	178.77	186.53	0.	365.30	279.68	81.26	51.08	39.18	6.55	6.55	0.	0.	0.	816.51	816.51		
13	180.85	190.79	0.	371.64	282.13	83.52	53.63	40.68	6.73	6.73	0.	0.	0.	831.61	831.60		
14	182.88	194.97	0.	377.85	284.51	85.73	56.34	42.18	6.91	6.91	0.	0.	0.	846.62	846.62		
15	184.14	199.06	0.	383.94	286.84	87.89	59.21	43.66	7.07	7.08	0.	0.	0.	861.55	861.55		

	18	1		.97	3.15	30.6	82.	48		24	0.	0			
17	189.79	206.10	0.	395.89	291.56	92.11	66.67	48.44	7.44	7.44	0.	0.	0.	892.67	876
18	192.18	209.51	0.	401.69	293.94	94.17	71.10	47.78	7.69	7.69	0.	0.	0.	892.67	892.67
19	194.53	212.86	0.	407.38	296.33	96.21	75.92	49.09	7.98	7.98	0.	0.	0.	908.69	908.68
20	197.59	215.23	0.	412.82	298.86	98.19	80.77	50.30	8.31	8.31	0.	0.	0.	924.94	924.93
21	197.59	215.23	0.	412.82	301.21	100.03	84.82	51.35	8.67	8.67	0.	0.	0.	940.94	940.94
22	197.59	215.23	0.	412.82	303.38	101.74	88.78	52.33	9.02	9.02	0.	0.	0.	950.23	950.23
23	197.59	215.23	0.	412.82	305.39	103.34	92.49	53.24	9.35	9.35	0.	0.	0.	959.06	959.05
24	197.59	215.23	0.	412.82	307.24	104.82	95.95	54.07	9.67	9.67	0.	0.	0.	967.27	967.27
25	197.59	215.23	0.	412.82	308.93	106.19	99.20	54.84	9.98	9.98	0.	0.	0.	974.90	974.89
26	197.59	215.23	0.	412.82	310.47	107.46	102.19	55.55	10.27	10.27	0.	0.	0.	981.98	981.97
27	197.59	215.23	0.	412.82	311.87	108.63	104.99	56.21	10.54	10.54	0.	0.	0.	988.49	988.48
28	197.59	215.23	0.	412.82	313.12	109.72	107.60	56.81	10.79	10.79	0.	0.	0.	994.52	994.52
29	197.59	215.23	0.	412.82	314.25	110.74	110.02	57.37	11.03	11.03	0.	0.	0.	1000.08	1000.08
30	197.59	215.23	0.	412.82	315.24	111.67	112.26	57.88	11.26	11.26	0.	0.	0.	1005.19	1005.18
31	197.59	215.23	0.	412.82	316.17	112.52	114.20	58.32	11.48	11.48	0.	0.	0.	1009.86	1009.86
32	197.59	215.23	0.	412.82	317.06	113.29	115.93	58.71	11.68	11.68	0.	0.	0.	1014.04	1014.03
33	197.59	215.23	0.	412.82	317.89	113.99	117.47	59.05	11.87	11.88	0.	0.	0.	1017.81	1017.81
34	197.59	215.23	0.	412.82	318.68	114.62	118.82	59.35	12.06	12.06	0.	0.	0.	1021.22	1021.22
35	197.59	215.23	0.	412.82	319.42	115.18	119.99	59.61	12.23	12.23	0.	0.	0.	1024.29	1024.28
36	197.59	215.23	0.	412.82	320.12	115.68	121.00	59.84	12.40	12.40	0.	0.	0.	1027.03	1027.02
37	197.59	215.23	0.	412.82	320.78	116.12	121.84	60.02	12.55	12.56	0.	0.	0.	1029.48	1029.45
38	197.59	215.23	0.	412.82	321.39	116.51	122.58	60.18	12.70	12.70	0.	0.	0.	1031.58	1031.58
39	197.59	215.23	0.	412.82	321.97	116.86	123.19	60.31	12.84	12.84	0.	0.	0.	1033.49	1033.48
40	197.59	215.23	0.	412.82	322.50	117.18	123.71	60.42	12.97	12.97	0.	0.	0.	1035.15	1035.15
A-235 41	197.59	215.23	0.	412.82	322.97	117.43	124.13	60.51	13.10	13.10	0.	0.	0.	1036.61	1036.60
42	197.59	215.23	0.	412.82	323.40	117.66	124.45	60.58	13.21	13.22	0.	0.	0.	1037.86	1037.85
43	197.59	215.23	0.	412.82	323.78	117.86	124.69	60.63	13.33	13.33	0.	0.	0.	1038.91	1038.90
44	197.59	215.23	0.	412.82	324.11	118.02	124.85	60.66	13.43	13.43	0.	0.	0.	1039.77	1039.77
45	197.59	215.23	0.	412.82	324.41	118.18	124.93	60.67	13.53	13.53	0.	0.	0.	1040.46	1040.46
46	197.59	215.23	0.	412.82	324.64	118.28	124.93	60.68	13.62	13.63	0.	0.	0.	1040.99	1040.98
47	197.59	215.23	0.	412.82	324.82	118.36	124.93	60.68	13.70	13.70	0.	0.	0.	1041.34	1041.34
48	197.59	215.23	0.	412.82	324.95	118.41	124.93	60.68	13.76	13.76	0.	0.	0.	1041.60	1041.60
49	197.59	215.23	0.	412.82	325.03	118.44	124.93	60.68	13.92	13.92	0.	0.	0.	1041.79	1041.78
50	197.59	215.23	0.	412.82	325.03	118.44	124.93	60.68	14.19	14.20	0.	0.	0.	1041.89	1041.89

6774T 02 03-14-79 02.868

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 6 , LWR , 4021 , PB AND PBTBR - WITH RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 PURCIN = 1.0 , PURCDC = 1.0 \$
 CRD NO....4 GCRLIN(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO....5 FBRLIN(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO....6 IBTOPW = 2010 \$
 CRD NO....7 D1 = 2010.0 , LFYUIR = 2010 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003170
 00003180
 00003190
 00003200
 00003210
 00003220
 00003230

00003240

CRD NO....1 \$\$

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	790.4	874.1	588.7	0.1	1833.74	1670.92	1041.29
2	1370.9	613.3	191.3	35.6	1654.73	1912.80	1041.29
3	1370.9	613.3	191.3	35.6	1535.39	1833.12	1041.29
4	1364.1	619.2	191.3	35.6	1459.17	1779.14	1041.29
5	1364.1	619.2	191.3	35.6	1408.35	1745.76	1041.29
6	1371.1	600.1	208.6	22.4	1366.94	1723.62	1041.29
7	1371.1	580.6	233.4	7.4	1334.75	1703.61	1041.29
8	1372.3	570.9	244.5	0.8	1310.67	1683.32	1041.29
9	1372.3	570.9	244.5	0.8	1294.61	1668.36	1041.29

A-236

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	58.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	16.0	155.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	18.	8.5	163.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	8.7	172.	0.	0.
90	736.	23.8	511.	1.0	1.	0.	0.	1.0	1.	17.9	223.	9.2	34.	9.2	181.	0.	0.
91	773.	26.6	528.	2.0	3.	0.	0.	2.0	3.	17.7	241.	9.7	36.	15.5	205.	0.	0.
92	811.	28.6	546.	4.0	7.	0.	0.	4.0	7.	15.9	257.	14.1	42.	10.2	215.	0.	0.
93	850.	30.7	566.	6.0	13.	0.	0.	6.0	13.	14.1	271.	15.3	48.	7.6	222.	0.	0.
94	892.	32.5	587.	9.0	22.	0.	0.	9.0	22.	11.7	282.	16.1	55.	4.9	227.	0.	0.
95	935.	34.9	609.	12.0	34.	0.0	0.	12.0	34.	8.8	291.	16.7	62.	1.8	229.	0.	0.
A-237 96	980.	37.5	633.	14.0	48.	0.0	0.	14.0	48.	7.0	298.	17.2	65.	3.8	233.	0.	0.
97	1027.	40.3	660.	16.0	64.	0.0	0.	16.0	64.	5.2	302.	19.5	70.	1.0	233.	0.	0.
98	1076.	43.3	688.	18.0	82.	0.0	0.	18.0	82.	3.4	306.	20.4	74.	0.	232.	0.	0.
99	1127.	46.4	718.	20.0	102.	0.0	0.	20.0	102.	1.6	307.	20.8	78.	0.	229.	0.	0.
00	1181.	49.8	753.	21.9	124.	0.0	0.	21.9	124.	0.	304.	21.0	82.	0.	223.	0.	0.
01	1217.	13.6	751.	41.4	166.	0.0	0.	41.4	166.	0.	301.	21.1	83.	0.	218.	0.	0.
02	1255.	14.7	749.	44.8	210.	0.0	0.	44.8	210.	0.	295.	22.0	85.	0.	211.	0.	0.
03	1293.	15.4	749.	46.9	257.	0.0	0.	46.9	257.	0.	287.	22.2	86.	0.	201.	0.	0.
04	1332.	16.2	750.	49.1	306.	0.0	0.	49.1	306.	0.	276.	22.0	87.	0.	188.	0.	0.
05	1373.	17.0	746.	51.4	357.	0.0	0.	51.4	357.	0.	269.	21.8	88.	0.	182.	0.	0.
06	1415.	17.8	742.	53.8	411.	0.0	0.	53.8	411.	0.	262.	21.0	87.	1.0	176.	0.	0.
07	1459.	18.7	738.	56.4	468.	0.0	0.	56.4	468.	0.	254.	21.0	86.	1.1	168.	0.	0.
08	1505.	17.8	738.	52.4	520.	0.0	0.	52.4	520.	0.	247.	20.8	84.	1.2	162.	0.	0.
09	1553.	21.0	742.	52.0	572.	0.0	0.	52.0	572.	0.	238.	20.3	83.	1.3	155.	0.	0.
10	1609.	30.0	755.	0.	572.	0.	0.	0.0	572.	52.4	282.	19.8	82.	53.6	200.	0.0	0.
11	1666.	31.3	768.	0.	572.	0.	0.	0.0	572.	53.3	325.	19.1	80.	55.3	245.	0.0	0.
12	1722.	32.8	783.	0.	572.	0.	0.	0.0	572.	53.2	367.	21.5	81.	52.5	287.	0.0	0.
13	1779.	87.0	851.	0.	572.	0.	0.	0.0	572.	0.	355.	23.9	84.	0.	271.	0.1	0.
14	1834.	87.3	920.	0.	572.	0.	0.	0.	572.	0.	342.	25.8	90.	0.	252.	0.1	0.
15	1889.	87.8	988.	0.	572.	0.	0.	0.	572.	0.	328.	24.7	96.	0.	232.	0.1	0.
16	1943.	89.5	1057.	0.	572.	0.	0.	0.	572.	0.	313.	23.4	98.	0.	216.	0.1	0.
17	1998.	91.5	1128.	0.	572.	0.	0.	0.	572.	0.	297.	23.5	97.	0.3	200.	0.1	1.
18	2053.	93.6	1200.	0.	572.	0.	0.	0.	572.	0.	280.	23.8	95.	2.0	185.	0.1	1.
19	2108.	95.8	1273.	0.	572.	0.	0.	0.	572.	0.	262.	24.0	95.	0.7	168.	0.1	1.
20	2189.	123.4	1372.	0.	571.	0.	0.	0.	571.	0.	245.	22.6	94.	0.7	151.	0.1	1.
21	2142.	0.	1346.	0.	569.	0.0	0.	0.	569.	0.	227.	21.0	91.	2.6	135.	0.	1.
22	2094.	0.	1317.	0.	565.	0.0	0.	0.	565.	0.	211.	20.2	88.	3.7	123.	0.	1.
23	2043.	0.	1286.	0.	559.	0.0	0.	0.	559.	0.	197.	19.5	83.	4.5	113.	0.	1.

24	1990.	0.	1254.	0.	550.	0.0	0.	0.	550.	0.	185.	18.9	80.	3.7	105.	0.	1.
25	1934.	0.	1219.	0.	538.	0.0	0.	0.0	538.	0.	176.	17.7	76.	3.3	100.	0.	1.
26	1875.	0.	1181.	0.	524.	0.0	0.	0.0	524.	0.	169.	16.4	73.	3.7	97.	0.	1.
27	1814.	0.	1141.	0.	508.	0.0	0.	0.	508.	0.	164.	15.7	69.	3.8	95.	0.	1.
28	1749.	0.	1098.	0.	490.	0.0	0.	0.	490.	0.	161.	15.2	65.	3.7	96.	0.	1.
29	1681.	0.	1051.	0.	470.	0.0	0.	0.	470.	0.	159.	14.8	62.	2.9	97.	0.	1.
30	1609.	0.	1002.	0.	448.	0.0	0.	0.	448.	0.	159.	14.2	60.	2.2	99.	0.	1.
31	1554.	0.	988.	0.	407.	0.0	0.	0.	407.	0.	159.	13.6	58.	2.1	101.	0.	1.
32	1495.	0.	973.	0.	362.	0.0	0.	0.	362.	0.	159.	13.4	56.	1.8	103.	0.	1.
33	1433.	0.	958.	0.	315.	0.0	0.	0.	315.	0.	159.	13.2	54.	1.6	104.	0.	1.
34	1367.	0.	942.	0.	266.	0.0	0.	0.	266.	0.	159.	13.1	53.	1.1	106.	0.	1.
35	1299.	0.	925.	0.	215.	0.0	0.	0.	215.	0.	159.	12.9	53.	0.7	106.	0.	1.
36	1227.	0.	907.	0.	161.	0.0	0.	0.0	161.	0.	159.	12.7	52.	0.7	107.	0.	1.
37	1152.	0.	888.	0.	104.	0.0	0.	0.0	104.	0.	159.	12.6	51.	0.7	108.	0.	1.
38	1082.	0.	871.	0.	52.	0.0	0.	0.0	52.	0.	159.	12.5	51.	0.6	108.	0.	1.
39	1009.	0.	860.	0.	-0.	0.	-0.	0.	0.	0.	159.	12.5	50.	0.4	109.	0.	1.
40	927.	0.	820.	0.	-0.	0.	-0.	0.	0.	0.	107.	12.4	50.	0.2	56.	0.	1.
41	842.	0.	788.	0.	-0.	0.	-0.	0.	0.	0.	53.	12.3	50.	0.2	3.	0.	1.
42	757.	0.	756.	0.	-0.	0.	-0.	0.	0.	0.	0.	-37.3	0.	3.1	0.	0.	1.
43	669.	0.	669.	0.	-0.	0.	-0.	0.	0.	0.	0.	12.5	0.	0.	0.	0.	1.
44	582.	0.	582.	0.	-0.	0.	-0.	0.	0.	0.	0.	12.4	0.	0.	0.	0.	1.
45	494.	0.	494.	0.	-0.	0.	-0.	0.	0.	0.	0.	12.3	0.	0.	0.	0.	0.
46	405.	0.	404.	0.	-0.	0.	-0.	0.	0.	0.	0.	-37.3	0.	0.	0.	0.	0.
47	313.	0.	313.	0.	-0.	0.	-0.	0.	0.	0.	0.	12.5	0.	0.	0.	0.	0.
48	219.	0.	219.	0.	-0.	0.	-0.	0.	0.	0.	0.	12.4	0.	0.	0.	0.	0.
49	123.	0.	123.	0.	-0.	0.	-0.	0.	0.	0.	0.	12.3	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	0.	-37.3	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES												
*****	*****	*****	*****	*****	*****	*****				*****			*****			*****	
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR			TOTALS				
	*****	*****	*****	*****	*****	*****				*****			*****				
						FUEL	FABRICATION	URANIUM	PU	PU	FABRICATION						
						O&M	RECOVERY	SEP	SALES	PURCHASES	RECOVERY	SALES	PURCHASES	WITH	W/O		
						O&M	O&M	WK			O&M			PU	PU		
77	11.48	5.18	0.	16.63	15.38	1.21	0.48	0.18	0.	0.	0.	0.	0.	33.87	33.87		
78	19.44	9.17	0.	28.61	30.18	2.50	1.35	0.71	0.	0.	0.	0.	0.	63.34	63.34		
79	26.96	13.58	0.	40.54	44.41	3.87	2.30	1.31	0.	0.	0.	0.	0.	92.43	92.43		
80	34.26	18.11	0.	52.37	58.08	5.33	3.31	1.99	0.	0.	0.	0.	0.	121.08	121.08		
81	41.26	22.86	0.	64.13	71.23	6.88	4.37	2.73	0.	0.	0.	0.	0.	149.33	149.33		
82	48.00	27.80	0.	75.80	83.84	8.52	5.50	3.52	0.	0.	0.	0.	0.	177.18	177.18		
83	54.61	32.87	0.	87.38	95.95	10.24	6.70	4.38	0.	0.	0.	0.	0.	204.65	204.65		
84	60.82	38.06	0.	98.88	107.53	12.06	7.85	5.30	0.	0.	0.	0.	0.	231.72	231.72		
85	66.95	43.33	0.	110.28	118.61	13.96	9.26	6.28	0.	0.	0.	0.	0.	258.40	258.40		
86	72.94	48.66	0.	121.59	129.21	15.85	10.63	7.29	0.19	0.19	0.	0.	0.	284.68	284.68		
87	78.79	54.02	0.	132.81	139.34	18.07	11.81	8.23	0.39	0.39	0.	0.	0.	310.26	310.26		
88	84.53	59.39	0.	143.93	149.02	20.31	12.99	9.15	0.59	0.59	0.	0.	0.	335.41	335.41		
89	90.19	64.76	0.	154.94	158.29	22.68	14.18	10.07	0.79	0.79	0.	0.	0.	360.16	360.16		
90	95.78	70.09	0.	165.85	167.15	25.15	15.36	10.99	0.99	0.99	0.	0.	0.	384.49	384.49		
91	101.65	75.38	0.	177.02	175.60	27.67	16.74	11.99	1.27	1.27	0.	0.	0.	409.03	409.03		
92	107.62	80.47	0.	188.08	183.68	30.25	18.03	12.98	1.56	1.56	0.	0.	0.	433.03	433.03		
93	113.67	85.36	0.	199.03	191.41	32.87	19.30	13.98	1.86	1.86	0.	0.	0.	456.58	456.58		
94	119.70	90.18	0.	209.88	198.79	35.53	20.54	14.98	2.15	2.15	0.	0.	0.	479.73	479.73		
95	125.82	94.80	0.	220.62	205.85	38.20	21.76	15.99	2.44	2.44	0.	0.	0.	502.43	502.43		
96	132.02	99.24	0.	231.27	212.60	40.87	23.04	17.05	2.75	2.75	0.	0.	0.	524.83	524.83		
97	138.31	103.51	0.	241.82	219.10	43.51	24.28	18.12	3.06	3.06	0.	0.	0.	546.83	546.83		
98	144.67	107.61	0.	252.28	225.32	46.14	25.52	19.19	3.35	3.35	0.	0.	0.	568.46	568.46		
99	151.11	111.55	0.	262.66	231.31	48.73	26.79	20.29	3.63	3.63	0.	0.	0.	589.78	589.78		
00	157.62	115.33	0.	272.95	237.10	51.27	28.06	21.41	3.91	3.91	0.	0.	0.	610.79	610.79		
01	159.30	122.07	0.	281.38	242.42	53.83	29.53	22.71	4.18	4.18	0.	0.	0.	629.87	629.87		
02	161.02	128.96	0.	289.98	247.30	56.40	31.06	24.08	4.43	4.43	0.	0.	0.	648.83	648.83		
03	162.71	135.76	0.	298.48	251.79	58.97	32.65	25.50	4.68	4.68	0.	0.	0.	667.38	667.38		
04	164.39	142.48	0.	306.87	255.93	61.51	34.31	26.98	4.91	4.91	0.	0.	0.	685.59	685.59		
05	166.05	149.11	0.	315.17	259.68	64.06	36.08	28.46	5.13	5.13	0.	0.	0.	703.45	703.45		
06	167.70	155.66	0.	323.36	263.05	66.61	38.00	30.00	5.35	5.35	0.	0.	0.	721.01	721.01		
07	169.33	162.14	0.	331.47	266.17	69.15	39.96	31.55	5.57	5.57	0.	0.	0.	738.29	738.29		
08	170.77	167.82	0.	338.58	269.10	71.66	42.02	33.10	5.79	5.79	0.	0.	0.	754.46	754.46		
09	172.39	173.14	0.	345.53	271.86	74.14	44.17	34.66	5.99	5.99	0.	0.	0.	770.36	770.36		
10	174.69	177.74	0.00	352.32	274.55	76.62	46.67	36.13	6.19	6.19	0.00	0.	0.00	786.29	786.29		
11	176.74	182.15	0.00	358.90	277.17	79.08	49.29	37.58	6.42	6.41	0.00	0.00	0.00	802.01	802.01		
12	178.86	186.30	0.00	365.17	279.73	81.52	51.98	38.98	6.66	6.66	0.00	0.00	0.00	817.39	817.39		
13	184.20	186.30	0.01	370.51	282.53	83.80	54.06	40.17	6.67	6.94	0.00	0.00	0.01	831.35	831.08		
14	189.25	186.30	0.02	375.58	285.56	85.92	56.08	41.27	6.67	7.20	0.00	0.00	0.01	844.96	844.42		
15	194.05	186.30	0.03	380.38	288.81	87.90	58.05	42.29	6.67	7.44	0.00	0.00	0.01	858.21	857.42		

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16	198.66	186.30	0.03	385.00	292.26	89.73	59.94	43.2	6.68	7.69	0.00	0.00	0.02	871.	870.17
17	203.11	186.30	0.04	389.45	295.91	91.43	61.83	44.11	6.68	7.94	0.01	0.00	0.02	884.13	882.84
18	207.40	186.30	0.04	393.75	299.73	93.00	63.87	44.94	6.68	8.21	0.01	0.00	0.02	896.94	895.39
19	211.54	186.30	0.05	397.90	303.74	94.44	65.87	45.70	6.68	8.46	0.01	0.00	0.02	909.56	907.76
20	216.58	186.30	0.05	402.94	307.91	95.77	67.96	46.41	6.68	8.70	0.01	0.00	0.02	923.03	920.99
21	216.58	186.30	0.05	402.94	311.82	96.98	69.84	47.05	6.69	8.94	0.01	0.01	0.02	930.92	928.65
22	216.58	186.30	0.05	402.94	315.49	98.10	71.73	47.65	6.69	9.16	0.02	0.01	0.02	938.41	935.92
23	216.58	186.30	0.05	402.94	318.92	99.12	73.58	48.21	6.69	9.37	0.02	0.01	0.02	945.50	942.79
24	216.58	186.30	0.05	402.94	322.13	100.05	75.37	48.72	6.69	9.57	0.02	0.01	0.02	952.14	949.23
25	216.58	186.30	0.05	402.94	325.12	100.90	77.10	49.19	6.69	9.76	0.02	0.01	0.02	958.36	955.27
26	216.58	186.30	0.05	402.94	327.90	101.69	78.72	49.62	6.69	9.93	0.02	0.01	0.02	964.14	960.88
27	216.58	186.30	0.05	402.94	330.49	102.40	80.27	50.01	6.69	10.10	0.02	0.01	0.02	969.54	966.12
28	216.58	186.30	0.05	402.94	332.88	103.05	81.71	50.36	6.69	10.25	0.02	0.01	0.02	974.54	970.96
29	216.58	186.30	0.05	402.94	335.09	103.64	83.01	50.68	6.69	10.39	0.03	0.01	0.02	979.10	975.39
30	216.58	186.30	0.05	402.94	337.13	104.18	84.18	50.97	6.69	10.52	0.03	0.01	0.02	983.26	979.42
31	216.58	186.30	0.05	402.94	339.06	104.66	85.11	51.20	6.69	10.64	0.03	0.01	0.02	986.96	982.99
32	216.58	186.30	0.05	402.94	340.89	105.08	85.89	51.39	6.69	10.76	0.03	0.01	0.02	990.29	986.22
33	216.58	186.30	0.05	402.94	342.62	105.45	86.53	51.55	6.69	10.86	0.03	0.01	0.02	993.30	989.12
34	216.58	186.30	0.05	402.94	344.27	105.76	87.04	51.68	6.70	10.96	0.03	0.01	0.02	995.99	991.71
35	216.58	186.30	0.05	402.94	345.83	106.02	87.42	51.77	6.70	11.05	0.03	0.02	0.02	998.38	994.02
36	216.58	186.30	0.05	402.94	347.32	106.24	87.87	51.84	6.70	11.14	0.03	0.02	0.02	1000.49	996.04
37	216.58	186.30	0.05	402.94	348.72	106.42	87.82	51.88	6.70	11.22	0.03	0.02	0.02	1002.33	997.81
38	216.58	186.30	0.05	402.94	350.06	106.56	87.89	51.90	6.70	11.29	0.03	0.02	0.02	1003.97	999.37
39	216.58	186.30	0.05	402.94	351.31	106.67	87.89	51.90	6.70	11.36	0.03	0.02	0.02	1005.41	1000.74
40	216.58	186.30	0.05	402.94	352.48	106.74	87.89	51.90	6.70	11.43	0.04	0.02	0.02	1006.72	1001.98
41	216.58	186.30	0.05	402.94	353.57	106.79	87.89	51.90	6.70	11.48	0.04	0.02	0.02	1007.89	1003.11
42	216.58	186.30	0.05	402.94	354.56	106.79	87.89	51.90	6.70	11.73	0.04	0.02	0.02	1009.14	1004.11
43	216.58	186.30	0.05	402.94	355.41	106.79	87.89	51.90	6.70	11.94	0.04	0.02	0.02	1010.20	1004.95
44	216.58	186.30	0.05	402.94	356.11	106.79	87.89	51.90	6.70	12.12	0.04	0.02	0.02	1011.08	1005.66
45	216.58	186.30	0.05	402.94	356.68	106.79	87.89	51.90	6.71	12.26	0.04	0.02	0.02	1011.79	1006.23
46	216.58	186.30	0.05	402.94	357.13	106.79	87.89	51.90	6.71	12.46	0.04	0.02	0.02	1012.43	1006.67
47	216.58	186.30	0.05	402.94	357.45	106.79	87.89	51.90	6.71	12.63	0.04	0.02	0.02	1012.91	1006.99
48	216.58	186.30	0.05	402.94	357.66	106.79	87.89	51.90	6.71	12.77	0.04	0.02	0.02	1013.26	1007.20
49	216.58	186.30	0.05	402.94	357.76	106.79	87.89	51.90	6.83	12.88	0.04	0.03	0.02	1013.35	1007.30
50	216.58	186.30	0.05	402.94	357.76	106.79	87.89	51.90	6.99	13.04	0.04	0.03	0.02	1013.35	1007.30

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START OF CASE (
DTA CALL NO....15

110977
INPUT EDITS

CRD NO....1 (CASE # 7 , LWR AND HTGR-OC -- NO REPROCESSING) \$
CRD NO....2 AI = 0.0 \$
CRD NO....3 DI = 2051.0 , IBTOPW = 1977 \$
CRD NO....4 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 \$
CRD NO....5 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 \$
CRD NO....6 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 \$
CRD NO....7 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 \$
CRD NO....8 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 \$
CRD NO....9 UIRREC(30) = 0.475 , UIRREC(121) = 0.475 \$
CRD NO....10 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 \$
CRD NO....11 LFYUIR = 2051 , LFYPUR = 2051 \$
CRD NO....12 GCRSFI = 0.0 , CGUINV = 0.0 \$
CRD NO....13 EPNOUT(3) = 0.002 \$
CRD NO....14 CBUINV = 0.0 , CPUINV = 0.0 \$
CRD NO....15 PWRSEI = 0.0 \$
CRD NO....16 SPECIF(1) = 1710. , 1710. \$
CRD NO....17 BUPRLD(1) = 1161111. , 1161111. \$
CRD NO....18 EFFICY(1) = .38 , .38 \$
CRD NO....19 PWRPUP(40) = 0.0 , PWRPUP(121) = 0.0 \$
CRD NO....20 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
CRD NO....21 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
CRD NO....22 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
CRD NO....23 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
CRD NO....24 EPNINT(1) = .93 , .93 \$
CRD NO....25 EPNRLD(1) = .93 , .93 \$
CRD NO....26 EPNOUT(1) = .002 , .002 \$
CRD NO....27 PWRFAB(30) = 0.7205 , PWRFAB(121) = 0.7205 \$
CRD NO....28 BWRREC(30) = 0.120 , BWRREC(121) = 0.120 \$

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00003490
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00003520
00003530

2890T 03 11-09-77 18.205

CRD NO...29 RL21 = 0.70 , RL31 = 0.70 \$\$
DTA CALL NO....16 INPUT EDITS

CRD NO....1 \$\$

NCCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	936.1	126.0	1323.9	0.	1998.45	2489.90	1041.29
2	1582.1	150.0	653.9	0.	1952.40	2338.84	1041.29
3	1535.6	126.0	724.5	0.	1925.88	2354.40	1041.29
4	1486.2	126.0	773.8	0.	1911.93	2366.37	1041.29

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00003550

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	0.	0.	16.0	171.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	0.	0.	17.0	188.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	0.	0.	18.0	206.	0.	0.
90	736.	23.8	511.	1.0	1.	0.	0.	1.0	1.	18.0	224.	0.	0.	18.0	224.	0.	0.
91	773.	26.6	528.	2.0	3.	0.	0.	2.0	3.	18.0	241.	0.	0.	18.0	241.	0.	0.
92	812.	28.6	546.	4.0	7.	0.	0.	4.0	7.	16.8	258.	0.	0.	16.5	258.	0.	0.
93	852.	30.7	566.	6.0	13.	0.	0.	6.0	13.	16.0	273.	0.	0.	15.0	273.	0.	0.
94	895.	32.5	587.	9.0	22.	0.	0.	9.0	22.	13.0	286.	0.	0.	13.0	286.	0.	0.
95	940.	34.9	609.	12.0	34.	0.	0.	12.0	34.	10.5	296.	0.	0.	10.5	296.	0.	0.
A-243	96	987.	37.5	633.	14.0	48.	0.	14.0	48.	9.0	305.	0.	0.	9.0	305.	0.	0.
	97	1036.	40.3	660.	16.0	64.	0.	16.0	64.	7.5	312.	0.	0.	7.5	312.	0.	0.
	98	1088.	43.3	688.	18.0	82.	0.	18.0	82.	6.0	318.	0.	0.	6.0	318.	0.	0.
	99	1142.	46.4	718.	20.0	102.	0.	20.0	102.	4.5	321.	0.	0.	4.5	321.	0.	0.
	00	1199.	49.8	753.	25.0	127.	0.	25.0	127.	0.	319.	0.	0.	0.	319.	0.	0.
	01	1241.	21.7	759.	0.	127.	0.	0.	127.	39.1	355.	0.	0.	39.1	355.	0.	0.
	02	1285.	23.5	766.	0.	127.	0.	0.	127.	42.4	392.	0.	0.	42.4	392.	0.	0.
	03	1330.	24.7	775.	0.	127.	0.	0.	127.	44.4	427.	0.	0.	44.4	427.	0.	0.
	04	1376.	25.8	788.	0.	127.	0.	0.	127.	46.4	462.	0.	0.	46.4	462.	0.	0.
	05	1424.	27.1	792.	0.	127.	0.	0.	127.	48.6	505.	0.	0.	48.6	505.	0.	0.
	06	1474.	28.4	798.	0.	127.	0.	0.	127.	50.9	549.	0.	0.	50.9	549.	0.	0.
	07	1526.	37.4	813.	0.	127.	0.	0.	127.	45.7	586.	0.	0.	45.7	586.	0.	0.
	08	1579.	35.0	831.	0.	127.	0.	0.	127.	42.4	621.	0.	0.	42.4	621.	0.	0.
	09	1634.	51.5	865.	0.	127.	0.	0.	127.	28.9	642.	0.	0.	28.9	642.	0.	0.
	10	1691.	53.6	902.	0.	127.	0.	0.	127.	30.0	663.	0.	0.	30.0	663.	0.	0.
	11	1751.	55.8	940.	0.	127.	0.	0.	127.	31.1	684.	0.	0.	31.1	684.	0.	0.
	12	1812.	58.0	980.	0.	127.	0.	0.	127.	32.3	705.	0.	0.	32.3	705.	0.	0.
	13	1875.	67.3	1029.	0.	127.	0.	0.	127.	26.6	720.	0.	0.	26.6	720.	0.	0.
	14	1941.	70.0	1080.	0.	127.	0.	0.	127.	27.6	734.	0.	0.	27.6	734.	0.	0.
	15	2009.	82.5	1143.	0.	127.	0.	0.	127.	19.0	739.	0.	0.	19.0	739.	0.	0.
	16	2079.	85.8	1208.	0.	127.	0.	0.	127.	19.8	744.	0.	0.	19.8	744.	0.	0.
	17	2152.	89.2	1276.	0.	127.	0.	0.	127.	20.5	749.	0.	0.	20.5	749.	0.	0.
	18	2227.	92.8	1347.	0.	127.	0.	0.	127.	21.3	753.	0.	0.	21.3	753.	0.	0.
	19	2305.	96.5	1421.	0.	127.	0.	0.	127.	22.2	757.	0.	0.	22.2	757.	0.	0.
	20	2386.	88.9	1486.	0.	126.	0.	0.	126.	34.6	774.	0.	0.	34.6	774.	0.	0.
	21	2339.	0.	1460.	0.	124.	0.	0.	124.	0.	756.	0.	0.	0.	756.	0.	0.
	22	2290.	0.	1431.	0.	120.	0.	0.	120.	0.	739.	0.	0.	0.	739.	0.	0.
	23	2239.	0.	1400.	0.	114.	0.	0.	114.	0.	724.	0.	0.	0.	724.	0.	0.

24	2184.	0.	1368.	0.	105.	0.	0.	0.	105.	0.	711.	0.	0.	0.	711.	0.	0.
25	2127.	0.	1333.	0.	93.	0.	0.	0.	93.	0.	701.	0.	0.	0.	701.	0.	0.
26	2066.	0.	1295.	0.	79.	0.	0.	0.	79.	0.	692.	0.	0.	0.	692.	0.	0.
27	2002.	0.	1255.	0.	63.	0.	0.	0.	63.	0.	684.	0.	0.	0.	684.	0.	0.
28	1935.	0.	1212.	0.	45.	0.	0.	0.	45.	0.	678.	0.	0.	0.	678.	0.	0.
29	1854.	0.	1165.	0.	25.	0.	0.	0.	25.	0.	674.	0.	0.	0.	674.	0.	0.
30	1789.	0.	1115.	0.	0.	0.	0.	0.	0.	0.	674.	0.	0.	0.	674.	0.	0.
31	1728.	0.	1094.	0.	0.	0.	0.	0.	0.	0.	635.	0.	0.	0.	635.	0.	0.
32	1663.	0.	1070.	0.	0.	0.	0.	0.	0.	0.	592.	0.	0.	0.	592.	0.	0.
33	1594.	0.	1046.	0.	0.	0.	0.	0.	0.	0.	548.	0.	0.	0.	548.	0.	0.
34	1521.	0.	1020.	0.	0.	0.	0.	0.	0.	0.	502.	0.	0.	0.	502.	0.	0.
35	1446.	0.	993.	0.	0.	0.	0.	0.	0.	0.	453.	0.	0.	0.	453.	0.	0.
36	1366.	0.	964.	0.	0.	0.	0.	0.	0.	0.	402.	0.	0.	0.	402.	0.	0.
37	1283.	0.	927.	0.	0.	0.	0.	0.	0.	0.	356.	0.	0.	0.	356.	0.	0.
38	1200.	0.	892.	0.	0.	0.	0.	0.	0.	0.	314.	0.	0.	0.	314.	0.	0.
39	1125.	0.	840.	0.	0.	0.	0.	0.	0.	0.	285.	0.	0.	0.	285.	0.	0.
40	1042.	0.	787.	0.	0.	0.	0.	0.	0.	0.	255.	0.	0.	0.	255.	0.	0.
41	955.	0.	731.	0.	0.	0.	0.	0.	0.	0.	224.	0.	0.	0.	224.	0.	0.
42	865.	0.	673.	0.	0.	0.	0.	0.	0.	0.	192.	0.	0.	0.	192.	0.	0.
43	771.	0.	606.	0.	0.	0.	0.	0.	0.	0.	165.	0.	0.	0.	165.	0.	0.
44	673.	0.	536.	0.	0.	0.	0.	0.	0.	0.	137.	0.	0.	0.	137.	0.	0.
45	572.	0.	453.	0.	0.	0.	0.	0.	0.	0.	118.	0.	0.	0.	118.	0.	0.
46	466.	0.	367.	0.	0.	0.	0.	0.	0.	0.	99.	0.	0.	0.	99.	0.	0.
47	356.	0.	278.	0.	0.	0.	0.	0.	0.	0.	78.	0.	0.	0.	78.	0.	0.
48	242.	0.	185.	0.	0.	0.	0.	0.	0.	0.	57.	0.	0.	0.	57.	0.	0.
49	123.	0.	89.	0.	0.	0.	0.	0.	0.	0.	35.	0.	0.	0.	35.	0.	0.
50	-0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.	-0.0	-0.	0.	0.	0.	0.

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PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES													
**	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS				
*****	*****	*****	*****	*****	*****	FUEL O&M	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES	WITH PU	W/O PU		
77	11.45	5.18	0.	16.63	15.47	1.04	0.47	0.18	0.	0.	0.	0.	0.	0.	33.79	33.79		
78	19.44	9.17	0.	28.61	30.43	2.14	1.49	0.71	0.	0.	0.	0.	0.	0.	63.38	63.38		
79	26.96	13.58	0.	40.54	44.87	3.32	2.60	1.32	0.	0.	0.	0.	0.	0.	92.65	92.65		
80	34.26	18.11	0.	52.37	58.81	4.58	3.77	2.01	0.	0.	0.	0.	0.	0.	121.54	121.54		
81	41.26	22.86	0.	64.13	72.25	5.90	5.03	2.75	0.	0.	0.	0.	0.	0.	150.06	150.06		
82	48.00	27.80	0.	75.80	85.22	7.31	6.36	3.66	0.	0.	0.	0.	0.	0.	178.24	178.24		
83	54.51	32.87	0.	87.38	97.71	8.79	7.76	4.43	0.	0.	0.	0.	0.	0.	206.08	206.08		
84	60.82	38.06	0.	98.88	109.74	10.36	9.25	5.37	0.	0.	0.	0.	0.	0.	233.59	233.59		
85	66.95	43.33	0.	110.28	121.33	11.99	10.81	6.36	0.	0.	0.	0.	0.	0.	260.77	260.77		
86	72.94	48.66	0.	121.59	132.49	13.70	12.44	7.40	0.	0.	0.	0.	0.	0.	287.62	287.62		
87	78.79	54.02	0.	132.81	143.21	15.40	14.15	8.47	0.	0.	0.	0.	0.	0.	314.12	314.12		
88	84.53	59.39	0.	143.93	153.51	17.32	15.94	9.57	0.	0.	0.	0.	0.	0.	340.27	340.27		
89	90.19	64.76	0.	154.94	163.40	19.22	17.80	10.71	0.	0.	0.	0.	0.	0.	366.08	366.08		
90	95.76	70.13	0.	165.89	172.92	21.19	19.73	11.88	0.	0.	0.	0.	0.	0.	391.61	391.61		
91	101.65	75.49	0.	177.14	182.06	23.21	21.72	13.08	0.	0.	0.	0.	0.	0.	417.20	417.20		
92	107.62	80.72	0.	188.34	190.83	25.29	23.73	14.31	0.	0.	0.	0.	0.	0.	442.50	442.50		
93	113.67	85.83	0.	199.49	199.27	27.42	25.75	15.57	0.	0.	0.	0.	0.	0.	467.51	467.51		
94	119.70	90.93	0.	210.63	207.40	29.60	27.78	16.87	0.	0.	0.	0.	0.	0.	492.28	492.28		
95	125.82	95.91	0.	221.73	215.22	31.84	29.82	18.19	0.	0.	0.	0.	0.	0.	516.80	516.80		
96	132.02	100.75	0.	232.77	222.77	34.12	31.85	19.53	0.	0.	0.	0.	0.	0.	541.05	541.05		
97	138.31	105.44	0.	243.75	230.07	36.45	33.88	20.90	0.	0.	0.	0.	0.	0.	565.04	565.04		
98	144.67	110.00	0.	254.67	237.16	38.81	35.89	22.27	0.	0.	0.	0.	0.	0.	588.80	588.80		
99	151.11	114.41	0.	265.52	244.06	41.19	37.90	23.66	0.	0.	0.	0.	0.	0.	612.33	612.33		
00	157.62	118.73	0.	276.35	250.83	43.60	39.94	25.06	0.	0.	0.	0.	0.	0.	635.79	635.79		
01	160.31	124.53	0.	284.84	257.17	46.04	42.44	26.48	0.	0.	0.	0.	0.	0.	656.97	656.97		
02	163.05	130.46	0.	293.51	263.13	48.50	45.14	27.91	0.	0.	0.	0.	0.	0.	678.19	678.19		
03	165.76	136.31	0.	302.07	268.74	50.97	48.04	29.35	0.	0.	0.	0.	0.	0.	699.17	699.17		
04	168.44	142.09	0.	310.52	274.06	53.43	51.14	30.80	0.	0.	0.	0.	0.	0.	719.95	719.95		
05	171.08	147.79	0.	318.88	279.02	55.91	54.43	32.23	0.	0.	0.	0.	0.	0.	740.47	740.47		
06	173.70	153.43	0.	327.14	283.63	58.39	57.96	33.67	0.	0.	0.	0.	0.	0.	760.79	760.79		
07	176.96	158.20	0.	335.17	288.12	60.86	61.46	35.04	0.	0.	0.	0.	0.	0.	780.65	780.65		
08	179.84	162.38	0.	342.22	292.49	63.29	65.15	36.39	0.	0.	0.	0.	0.	0.	799.53	799.53		
09	183.83	165.07	0.	348.90	296.94	65.65	68.78	37.64	0.	0.	0.	0.	0.	0.	817.90	817.90		
10	187.75	167.70	0.	355.45	301.47	67.92	72.60	38.85	0.	0.	0.	0.	0.	0.	836.29	836.29		
11	191.59	170.27	0.	361.87	306.06	70.13	76.74	40.02	0.	0.	0.	0.	0.	0.	854.82	854.82		
12	195.37	172.79	0.	368.16	310.73	72.26	81.29	41.16	0.	0.	0.	0.	0.	0.	873.59	873.59		
13	199.50	174.75	0.	374.25	315.54	74.30	86.05	42.23	0.	0.	0.	0.	0.	0.	892.37	892.37		
14	203.55	176.67	0.	380.22	320.48	76.26	91.13	43.26	0.	0.	0.	0.	0.	0.	911.34	911.34		
15	208.06	177.92	0.	385.97	325.64	78.12	96.22	44.21	0.	0.	0.	0.	0.	0.	930.17	930.17		

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16	212.47	79.14	0.	391.61	331.03	79.88	101.35	45.	0.	0.	0.	0.	0.	948.	948.99
17	216.81	180.34	0.	397.15	336.63	81.55	106.49	45.98	0.	0.	0.	0.	0.	967.80	967.80
18	221.07	181.51	0.	402.58	342.42	83.14	111.60	46.79	0.	0.	0.	0.	0.	986.53	986.53
19	225.24	182.66	0.	407.90	348.41	84.64	116.54	47.56	0.	0.	0.	0.	0.	1005.05	1005.05
20	228.87	184.35	0.	413.22	354.47	86.08	121.66	48.32	0.	0.	0.	0.	0.	1023.64	1023.64
21	228.87	184.35	0.	413.22	360.17	87.40	125.65	48.96	0.	0.	0.	0.	0.	1035.41	1035.41
22	228.87	184.35	0.	413.22	365.53	88.63	129.46	49.56	0.	0.	0.	0.	0.	1046.40	1046.40
23	228.87	184.35	0.	413.22	370.56	89.75	133.00	50.10	0.	0.	0.	0.	0.	1056.64	1056.64
24	228.87	184.35	0.	413.22	375.28	90.78	136.28	50.60	0.	0.	0.	0.	0.	1066.16	1066.16
25	228.87	184.35	0.	413.22	379.70	91.72	139.32	51.05	0.	0.	0.	0.	0.	1075.01	1075.01
26	228.87	184.35	0.	413.22	383.83	92.58	142.14	51.46	0.	0.	0.	0.	0.	1083.23	1083.23
27	228.87	184.35	0.	413.22	387.68	93.36	144.75	51.83	0.	0.	0.	0.	0.	1090.83	1090.83
28	228.87	184.35	0.	413.22	391.26	94.06	147.16	52.16	0.	0.	0.	0.	0.	1097.86	1097.86
29	228.87	184.35	0.	413.22	394.58	94.70	149.38	52.46	0.	0.	0.	0.	0.	1104.33	1104.33
30	228.87	184.35	0.	413.22	397.64	95.27	151.43	52.72	0.	0.	0.	0.	0.	1110.28	1110.28
31	228.87	184.35	0.	413.22	400.53	95.77	153.12	52.96	0.	0.	0.	0.	0.	1115.61	1115.61
32	228.87	184.35	0.	413.22	403.26	96.22	154.58	53.16	0.	0.	0.	0.	0.	1120.45	1120.45
33	228.87	184.35	0.	413.22	405.83	96.61	155.83	53.33	0.	0.	0.	0.	0.	1124.83	1124.83
34	228.87	184.35	0.	413.22	408.25	96.95	156.88	53.48	0.	0.	0.	0.	0.	1128.79	1128.79
35	228.87	184.35	0.	413.22	410.53	97.23	157.74	53.60	0.	0.	0.	0.	0.	1132.34	1132.34
36	228.87	184.35	0.	413.22	412.67	97.47	158.43	53.70	0.	0.	0.	0.	0.	1135.50	1135.50
37	228.87	184.35	0.	413.22	414.67	97.67	158.99	53.79	0.	0.	0.	0.	0.	1138.35	1138.35
38	228.87	184.35	0.	413.22	416.52	97.84	159.46	53.86	0.	0.	0.	0.	0.	1140.90	1140.90
39	228.87	184.35	0.	413.22	418.20	97.98	159.90	53.92	0.	0.	0.	0.	0.	1143.23	1143.23
40	228.87	184.35	0.	413.22	419.70	98.10	160.26	53.97	0.	0.	0.	0.	0.	1145.26	1145.26
41	228.87	184.35	0.	413.22	421.05	98.20	160.54	54.01	0.	0.	0.	0.	0.	1147.03	1147.03
42	228.87	184.35	0.	413.22	422.25	98.29	160.74	54.04	0.	0.	0.	0.	0.	1148.54	1148.54
43	228.87	184.35	0.	413.22	423.28	98.35	160.91	54.07	0.	0.	0.	0.	0.	1149.83	1149.83
44	228.87	184.35	0.	413.22	424.16	98.40	161.02	54.08	0.	0.	0.	0.	0.	1150.90	1150.90
45	228.87	184.35	0.	413.22	424.87	98.44	161.13	54.10	0.	0.	0.	0.	0.	1151.77	1151.77
46	228.87	184.35	0.	413.22	425.41	98.48	161.20	54.11	0.	0.	0.	0.	0.	1152.43	1152.43
47	228.87	184.35	0.	413.22	425.80	98.50	161.24	54.12	0.	0.	0.	0.	0.	1152.89	1152.89
48	228.87	184.35	0.	413.22	426.05	98.52	161.25	54.12	0.	0.	0.	0.	0.	1153.17	1153.17
49	228.87	184.35	0.	413.22	426.15	98.53	161.25	54.13	0.	0.	0.	0.	0.	1153.28	1153.28
50	228.87	184.35	0.	413.22	426.15	98.53	161.25	54.13	0.00	0.00	0.	0.	0.	1153.28	1153.28

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DTA CALL NO.....1

INPUT EDITS

PAGE 1

CRD NO....1 (CASE # 8 , LWR AND HTGR-RC -- WITH REPROCESSING)\$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , IBTOPW = 1977 \$
 CRD NO....4 CPUINV = 0.000738 , CBUINV = 0.0 \$
 CRD NO....5 PWRSF1 = 0.02255 \$
 CRD NO....6 SPECIF(1) = 1710. , 1710. \$
 CRD NO....7 BUPRLD(1) = 1161111. , 1161111. \$
 CRD NO....8 EFFICY(1) = .38. , 38 \$
 CRD NO....9 PURCIN = 685.8 \$
 CRD NO....10 PURCDC = 1547.0 \$
 CRD NO....11 PURPCR(30) = 0.290 , PURPCR(121) = 0.290 \$
 CRD NO....12 PURPIS(30) = 0.01534 , PURPIS(121) = 0.01534 \$
 CRD NO....13 PWRPUP(40) = 0.204 , PWRPUP(121) = 0.204 \$
 CRD NO....14 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
 CRD NO....15 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
 CRD NO....16 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
 CRD NO....17 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
 CRD NO....18 EPNINT(1) = .93. , 93 \$
 CRD NO....19 EPNRLD(1) = .93. , 93 \$
 CRD NO....20 EPNOUT(1) = .50. , 50 \$
 CRD NO....21 PWRFAB(30) = 0.7205 , PWRFAB(121) = 0.7205 \$
 CRD NO....22 PURFAB(30) = 1.174 , PURFAB(121) = 1.174 \$
 CRD NO....23 PWRREC(30) = 0.560 , PWRREC(121) = 0.560 \$
 CRD NO....24 PURREC(30) = 0.560 , PURREC(121) = 0.560 \$
 CRD NO....25 LFYUR = 1990 , LFYPUR = 1990 \$
 CRD NO....26 RL21 = 0.70 , RL31 = 0.70 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003570
 00003580
 00003590
 00003600
 00003610
 00003620
 00003630
 00003640
 00003650
 00003660
 00003670
 00003680
 00003690
 00003700
 00003710
 00003720
 00003730
 00003740
 00003750
 00003760
 00003770
 00003780
 00003790
 00003800
 00003805
 00003810

CRD NO....1 \$\$

00003820

NCOUNT	FOSSIL	LWR	OCR	FBR	U308	PU	SEP.WK.
1	723.7	1526.9	135.5	0.	1112.45	1657.88	1041.29
2	936.0	1303.2	146.9	0.	1068.85	1514.21	1041.29
3	927.3	1311.8	146.9	0.	1042.02	1521.58	1041.29
4	922.6	1316.6	146.9	0.	1025.15	1524.94	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	1.0	1.	0.1	0.	0.9	1.	18.0	224.	9.2	34.	8.8	190.	0.	0.
91	773.	26.6	528.	2.0	3.	0.1	0.	1.9	3.	18.0	241.	9.7	36.	15.8	205.	0.	0.
92	812.	28.6	546.	4.0	7.	0.2	0.	3.8	7.	16.5	258.	14.1	42.	10.8	216.	0.	0.
93	852.	30.7	566.	6.0	13.	0.4	1.	6.6	13.	15.0	273.	15.3	48.	8.5	224.	0.	0.
94	895.	32.5	587.	9.0	22.	0.7	1.	8.4	21.	13.0	286.	16.1	55.	6.1	230.	0.	0.
95	940.	34.9	609.	12.0	34.	1.3	3.	10.8	32.	10.5	296.	16.8	62.	3.4	234.	0.	0.
A-248	987.	37.5	633.	14.0	48.	2.1	4.	12.1	44.	9.0	305.	17.4	66.	5.7	239.	0.	0.
97	1036.	40.3	660.	16.0	64.	3.2	7.	13.2	57.	7.5	312.	19.8	70.	3.0	241.	0.	0.
98	1088.	43.3	688.	18.0	82.	4.5	11.	14.2	71.	6.0	318.	20.7	75.	1.4	243.	0.	0.
99	1142.	46.4	718.	20.0	102.	5.9	16.	15.4	87.	4.5	321.	21.3	79.	0.0	242.	0.	0.
00	1199.	49.8	753.	25.0	127.	7.5	21.	16.6	106.	0.	319.	21.7	83.	0.	236.	0.	0.
01	1241.	15.7	753.	31.6	159.	9.4	27.	25.4	132.	13.6	329.	21.9	86.	11.4	244.	0.	0.
02	1285.	17.0	753.	34.2	193.	11.8	35.	26.9	159.	14.7	338.	22.8	88.	12.6	251.	0.	0.
03	1330.	17.8	755.	42.0	235.	14.8	44.	33.1	192.	9.1	339.	23.7	90.	6.6	249.	0.	0.
04	1376.	18.7	760.	44.1	279.	18.0	54.	33.6	225.	9.5	337.	24.4	93.	6.8	244.	0.	0.
05	1424.	19.6	758.	56.1	335.	21.9	66.	43.6	269.	0.	331.	24.5	95.	0.	235.	0.	0.
06	1474.	20.6	756.	58.7	394.	25.8	80.	44.7	313.	0.	324.	24.4	97.	0.	227.	0.	0.
07	1526.	21.6	755.	61.6	455.	30.9	97.	45.4	359.	0.	315.	24.4	98.	0.	218.	0.	0.
08	1579.	20.1	758.	57.2	513.	36.4	115.	38.8	398.	0.	308.	24.4	98.	0.0	211.	0.	0.
09	1634.	21.0	762.	59.5	572.	42.0	135.	39.3	437.	0.	300.	24.2	97.	0.3	203.	0.	0.
10	1691.	21.8	767.	61.8	634.	47.3	157.	40.4	477.	0.	291.	23.9	97.	0.5	194.	0.	0.
11	1751.	27.0	776.	59.9	694.	52.6	178.	38.3	515.	0.	281.	23.4	96.	1.0	185.	0.	0.
12	1812.	28.1	786.	62.2	756.	58.4	200.	40.2	556.	0.	270.	22.9	94.	1.4	175.	0.	0.
13	1875.	29.2	797.	64.6	821.	64.1	222.	42.6	598.	0.	258.	22.5	93.	1.8	165.	0.	0.
14	1941.	30.4	808.	67.2	888.	70.0	245.	44.4	643.	0.	245.	21.9	91.	2.0	154.	0.	0.
15	2009.	36.6	825.	64.9	953.	75.8	268.	41.6	684.	0.	231.	21.1	88.	2.3	143.	0.	0.
16	2079.	38.1	843.	67.4	1020.	81.9	292.	43.9	728.	0.	216.	20.3	86.	2.6	130.	0.	0.
17	2152.	39.6	862.	70.1	1090.	87.7	315.	46.5	775.	0.	200.	19.4	83.	3.0	117.	0.	0.
18	2227.	41.2	881.	72.9	1163.	93.7	339.	49.2	824.	0.	183.	18.5	79.	3.3	104.	0.	0.
19	2305.	42.9	902.	75.8	1239.	100.0	363.	51.6	875.	0.	165.	17.5	76.	3.6	89.	0.	0.
20	2386.	44.7	923.	78.8	1317.	106.7	388.	54.0	929.	0.	147.	16.4	72.	3.9	75.	0.	0.
21	2339.	0.	896.	0.	1315.	113.6	414.	0.	901.	0.	129.	15.2	68.	4.2	61.	0.	0.
22	2290.	0.	867.	0.	1311.	120.6	441.	0.	870.	0.	112.	14.0	63.	4.5	49.	0.	0.
23	2239.	0.	837.	0.	1305.	119.8	461.	0.	844.	0.	97.	12.8	58.	4.7	38.	0.	0.

24	2184.	0.	804.	0.	1296.	118.8	473.	0.	823.	0.	84.	11.6	54.	4.8	31.	0.	0.
25	2127.	0.	769.	0.	1284.	118.4	478.	0.	806.	0.	74.	10.5	49.	4.7	25.	0.	0.
26	2066.	0.	732.	0.	1270.	118.6	476.	2.1	794.	0.	65.	9.5	44.	4.5	20.	0.	0.
27	2002.	0.	691.	0.	1254.	119.2	475.	0.6	779.	0.	57.	8.5	40.	4.3	17.	0.	0.
28	1935.	0.	648.	0.	1236.	116.9	473.	1.9	763.	0.	51.	7.7	36.	4.0	15.	0.	0.
29	1864.	0.	602.	0.	1216.	114.0	469.	4.4	747.	0.	47.	6.9	33.	3.6	14.	0.	0.
30	1789.	0.	552.	0.	1191.	111.3	461.	7.3	729.	0.	47.	6.2	29.	3.2	18.	0.	0.
31	1728.	0.	536.	0.	1159.	108.9	451.	10.4	708.	0.	33.	5.6	26.	2.9	7.	0.	0.
32	1663.	0.	519.	0.	1125.	106.4	441.	10.5	684.	0.	19.	-0.1	19.	2.3	0.	0.	0.
33	1594.	0.	501.	0.	1083.	103.8	430.	10.2	652.	0.	9.	-2.2	9.	0.	0.	0.	0.
34	1521.	0.	483.	0.	1039.	100.8	420.	10.5	619.	0.	0.	-3.3	0.	0.	0.	0.	0.
35	1446.	0.	463.	0.	983.	97.0	408.	11.9	575.	0.	0.	5.6	0.	0.	0.	0.	0.
36	1366.	0.	442.	0.	924.	93.0	395.	13.4	529.	0.	0.	-0.1	0.	0.	0.	0.	0.
37	1283.	0.	421.	0.	862.	87.9	379.	15.9	484.	0.	0.	-2.2	0.	0.	0.	0.	0.
38	1206.	0.	401.	0.	805.	82.6	361.	18.2	445.	0.	0.	-3.3	0.	0.	0.	0.	0.
39	1125.	0.	380.	0.	746.	77.1	341.	19.9	405.	0.	0.	5.6	0.	0.	0.	0.	0.
40	1042.	0.	358.	0.	684.	71.9	319.	21.2	364.	0.	0.	-0.1	0.	0.	0.	0.	0.
41	955.	0.	331.	0.	624.	66.5	298.	21.4	326.	0.	0.	-2.2	0.	0.	0.	0.	0.
42	865.	0.	303.	0.	562.	60.6	276.	21.9	286.	0.	0.	-3.3	0.	0.	0.	0.	0.
43	771.	0.	274.	0.	497.	54.9	254.	22.2	243.	0.	0.	5.6	0.	0.	0.	0.	0.
44	673.	0.	243.	0.	430.	49.0	231.	22.9	199.	0.	0.	-0.1	0.	0.	0.	0.	0.
45	572.	0.	207.	0.	365.	43.1	208.	23.4	157.	0.	0.	-2.2	0.	0.	0.	0.	0.
46	466.	0.	168.	0.	298.	37.1	184.	23.6	114.	0.	0.	-3.3	0.	0.	0.	0.	0.
47	356.	0.	129.	0.	227.	31.2	160.	23.7	67.	0.	0.	5.6	0.	0.	0.	0.	0.
48	242.	0.	88.	0.	155.	25.3	137.	23.7	18.	0.	0.	-0.1	0.	0.	0.	0.	0.
49	123.	0.	45.	0.	79.	0.	79.	0.	0.	0.	0.	-2.2	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-3.3	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES										
	*****				*****										
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS	
	*****	*****	*****	*****	*****	*****				*****				*****	
						FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU		WITH	W*O
					FUEL	RECOVERY	FEED	SALES	PURCHASES	RECOVERY	SALES	PURCHASES		PU	PU
					O&M	O&M				O&M					
														33.95	33.95
77	11.45	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.		63.56	63.56
78	19.44	9.17	0.	28.61	30.43	2.49	1.34	0.70	0.	0.	0.	0.		92.84	92.84
79	26.96	13.68	0.	40.64	44.87	3.85	2.29	1.30	0.	0.	0.	0.		121.74	121.74
80	34.26	18.11	0.	52.37	58.81	5.31	3.29	1.97	0.	0.	0.	0.			
														150.28	150.28
81	41.26	22.86	0.	64.13	72.25	6.85	4.35	2.70	0.	0.	0.	0.		178.46	178.46
82	48.00	27.80	0.	75.80	85.22	8.48	5.48	3.49	0.	0.	0.	0.		206.31	206.31
83	54.51	32.87	0.	87.38	97.71	10.21	6.66	4.34	0.	0.	0.	0.		233.81	233.81
84	60.82	38.06	0.	98.88	109.74	12.02	7.91	5.26	0.	0.	0.	0.		260.99	260.99
85	66.95	43.33	0.	110.28	121.33	13.92	9.22	6.23	0.	0.	0.	0.			
														287.80	287.80
86	72.94	48.66	0.	121.59	132.46	15.90	10.59	7.25	0.19	0.19	0.	0.		313.93	313.93
87	78.79	54.02	0.	132.81	143.16	18.02	11.77	8.18	0.39	0.39	0.	0.		339.66	339.66
88	84.53	59.39	0.	143.93	153.43	20.26	12.94	9.10	0.59	0.59	0.	0.		365.01	365.01
89	90.19	64.76	0.	154.94	163.31	22.62	14.13	10.01	0.80	0.80	0.	0.		390.01	390.01
90	95.76	70.13	0.	165.89	172.80	25.09	15.31	10.93	1.00	1.00	0.	0.			
														415.29	415.29
91	101.65	75.49	0.	177.14	181.91	27.61	16.69	11.93	1.29	1.29	0.	0.		440.10	440.10
92	107.62	80.72	0.	188.34	190.64	30.20	17.99	12.93	1.60	1.60	0.	0.		464.84	464.84
93	113.67	85.83	0.	199.49	199.01	32.85	19.27	13.92	1.91	1.91	0.	0.		488.66	488.66
94	119.70	90.83	0.	210.63	207.04	35.64	20.53	14.92	2.25	2.25	0.	0.		512.41	512.41
95	125.82	95.91	0.	221.73	214.74	38.27	21.76	15.92	2.61	2.61	0.	0.			
														535.88	535.88
96	132.02	100.75	0.	232.77	222.14	41.01	23.03	16.94	3.02	3.02	0.	0.		558.96	558.96
97	138.31	105.44	0.	243.75	229.27	43.74	24.25	17.95	3.46	3.46	0.	0.		581.65	581.65
98	144.67	110.00	0.	254.67	236.14	46.48	25.42	18.94	3.92	3.92	0.	0.		603.97	603.97
99	151.11	114.41	0.	265.52	242.76	49.21	26.57	19.91	4.41	4.41	0.	0.		626.11	626.11
00	157.62	118.73	0.	276.35	249.20	51.91	27.74	20.91	4.93	4.93	0.	0.			
														646.42	646.42
01	159.57	125.89	0.	285.46	255.15	54.66	29.12	22.02	5.48	5.48	0.	0.		666.59	666.59
02	161.55	133.20	0.	294.75	260.66	57.47	30.55	23.16	6.08	6.08	0.	0.		686.36	686.36
03	163.51	140.51	0.	304.02	265.77	60.30	31.95	24.33	6.73	6.73	0.	0.		705.68	705.68
04	165.45	147.72	0.	313.17	270.52	63.14	33.36	25.49	7.42	7.42	0.	0.		724.68	724.68
05	167.37	154.96	0.	322.33	274.87	66.01	34.80	26.68	8.18	8.18	0.	0.			
														743.26	743.26
06	169.26	162.12	0.	331.38	278.83	68.90	36.29	27.87	9.00	9.00	0.	0.		761.39	761.39
07	171.14	169.19	0.	340.33	282.52	71.80	37.73	29.02	9.90	9.90	0.	0.		778.14	778.14
08	172.80	175.39	0.	348.19	285.99	74.70	39.16	30.11	10.87	10.87	0.	0.		794.53	794.53
09	174.42	181.48	0.	355.90	289.25	77.58	40.61	31.19	11.89	11.89	0.	0.		810.56	810.56
10	176.01	187.44	0.	363.45	292.33	80.44	42.08	32.26	12.96	12.96	0.	0.			
														826.14	826.14
11	177.87	192.89	0.	370.76	295.26	83.27	43.56	33.29	14.08	14.08	0.	0.		841.42	841.42
12	179.70	198.23	0.	377.93	298.06	86.07	45.06	34.30	15.25	15.25	0.	0.		856.41	856.41
13	181.50	203.47	0.	384.97	300.73	88.82	46.59	35.30	16.45	16.45	0.	0.		871.11	871.11
14	183.26	208.60	0.	391.86	303.28	91.54	48.14	36.29	17.70	17.70	0.	0.		885.41	885.41
15	185.26	212.28	0.	398.54	305.74	94.20	49.48	37.22	18.97	18.97	0.	0.			

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16	187.22	-17.87	0.	405.09	308.14	96.82	51.28	38.11	20.29	20.29	0.	0.	0.	899.11	899.49
17	189.15	222.37	0.	411.51	310.47	99.37	52.99	39.09	21.64	21.64	0.	0.	0.	913.43	913.43
18	191.04	226.78	0.	417.82	312.73	101.88	54.76	40.01	23.04	23.04	0.	0.	0.	927.19	927.19
19	192.90	231.11	0.	424.00	314.93	104.33	56.60	40.91	24.47	24.47	0.	0.	0.	940.77	940.77
20	194.72	235.35	0.	430.07	317.06	106.74	58.59	41.79	25.98	25.98	0.	0.	0.	954.25	954.25
21	194.72	235.35	0.	430.07	319.03	108.97	60.15	42.46	27.58	27.58	0.	0.	0.	960.68	960.68
22	194.72	235.35	0.	430.07	320.83	111.05	61.69	43.07	29.14	29.14	0.	0.	0.	966.71	966.71
23	194.72	235.35	0.	430.07	322.48	112.98	63.16	43.62	30.64	30.64	0.	0.	0.	972.31	972.31
24	194.72	235.35	0.	430.07	323.98	114.77	64.57	44.11	32.10	32.10	0.	0.	0.	977.50	977.50
25	194.72	235.35	0.	430.07	325.34	116.43	65.92	44.56	33.53	33.53	0.	0.	0.	982.31	982.31
26	194.72	235.35	0.	430.07	326.55	117.96	67.20	44.96	34.92	34.92	0.	0.	0.	986.75	986.75
27	194.72	235.35	0.	430.07	327.64	119.38	68.44	45.34	36.26	36.26	0.	0.	0.	990.86	990.86
28	194.72	235.35	0.	430.07	328.59	120.69	69.64	45.68	37.52	37.52	0.	0.	0.	994.67	994.67
29	194.72	235.35	0.	430.07	329.42	121.91	70.80	46.00	38.72	38.72	0.	0.	0.	998.19	998.19
30	194.72	235.35	0.	430.07	330.12	123.03	71.89	46.29	39.87	39.87	0.	0.	0.	1001.40	1001.40
31	194.72	235.35	0.	430.07	330.78	124.05	72.81	46.54	40.95	40.95	0.	0.	0.	1004.25	1004.25
32	194.72	235.35	0.	430.07	331.39	124.96	73.63	46.76	42.01	42.01	0.	0.	0.	1006.81	1006.81
33	194.72	235.35	0.	430.07	331.95	125.79	74.34	46.96	43.04	43.04	0.	0.	0.	1009.11	1009.11
34	194.72	235.35	0.	430.07	332.48	126.52	74.98	47.12	44.03	44.03	0.	0.	0.	1011.17	1011.17
35	194.72	235.35	0.	430.07	332.96	127.17	75.54	47.27	44.93	44.93	0.	0.	0.	1013.01	1013.01
36	194.72	235.35	0.	430.07	333.41	127.76	76.03	47.39	45.74	45.74	0.	0.	0.	1014.65	1014.65
37	194.72	235.35	0.	430.07	333.82	128.27	76.45	47.49	46.47	46.47	0.	0.	0.	1016.10	1016.10
38	194.72	235.35	0.	430.07	334.20	128.72	76.86	47.58	47.13	47.13	0.	0.	0.	1017.43	1017.43
39	194.72	235.35	0.	430.07	334.54	129.12	77.21	47.65	47.71	47.71	0.	0.	0.	1018.59	1018.59
40	194.72	235.35	0.	430.07	334.86	129.46	77.50	47.72	48.22	48.22	0.	0.	0.	1019.61	1019.61
41	194.72	235.35	0.	430.07	335.14	129.76	77.75	47.77	48.67	48.67	0.	0.	0.	1020.49	1020.49
42	194.72	235.35	0.	430.07	335.39	130.01	77.95	47.81	49.08	49.08	0.	0.	0.	1021.23	1021.23
43	194.72	235.35	0.	430.07	335.61	130.22	78.10	47.83	49.42	49.42	0.	0.	0.	1021.84	1021.84
44	194.72	235.35	0.	430.07	335.80	130.39	78.21	47.85	49.71	49.71	0.	0.	0.	1022.32	1022.32
45	194.72	235.35	0.	430.07	335.95	130.53	78.29	47.86	49.96	49.96	0.	0.	0.	1022.70	1022.70
46	194.72	235.35	0.	430.07	336.07	130.64	78.33	47.86	50.17	50.17	0.	0.	0.	1022.97	1022.97
47	194.72	235.35	0.	430.07	336.15	130.72	78.34	47.86	50.34	50.34	0.	0.	0.	1023.14	1023.14
48	194.72	235.35	0.	430.07	336.21	130.77	78.34	47.86	50.48	50.41	0.	0.	0.	1023.18	1023.25
49	194.72	235.35	0.	430.07	336.24	130.79	78.34	47.86	50.58	50.47	0.	0.	0.	1023.19	1023.30
50	194.72	235.35	0.	430.07	336.24	130.79	78.34	47.86	50.67	50.54	0.	0.	0.	1023.16	1023.30

2990T 03 11-09-77 18.325

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 9 , LWR AND HTGR-HC -- WITH REPROCESSING)\$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , IBTOPW = 1977 \$
 CRD NO....4 CPUINV = 0.000738 \$
 CRD NO....5 PWRSEI = 0.02255 \$
 CRD NO....6 SPECIF(1) = 1120. , 1120. \$
 CRD NO....7 BUPRLD(1) = 1161111. , 1161111. \$
 CRD NO....8 EFFICY(1) = .38. , .38 \$
 CRD NO....9 PURCIN = 693.2 \$
 CRD NO...10 PURCDC = 861.2 \$
 CRD NO...11 PURPCR(30) = 0.1005 , PURPCR(121) = 0.1005 \$
 CRD NO...12 PURPIS(30) = 0.01115 , PURPIS(121) = 0.01115 \$
 CRD NO...13 PWRPUP(40) = 0.204 , PWRPUP(121) = 0.204 \$
 CRD NO...14 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
 CRD NO...15 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
 CRD NO...16 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
 CRD NO...17 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
 CRD NO...18 EPNINT(1) = .93. , .93 \$
 CRD NO...19 EPNRLO(1) = .93. , .93 \$
 CRD NO...20 EPNOUT(1) = .50. , .50 \$
 CRD NO...21 PWRFAB(30) = 1.01 , PWRFAB(121) = 1.01 \$
 CRD NO...22 PURFAB(30) = 1.65 , PURFAB(121) = 1.65 \$
 CRD NO...23 PWRREC(30) = 0.916 , PWRREC(121) = 0.916 \$
 CRD NO...24 PURREC(30) = 0.916 , PURREC(121) = 0.916 \$
 CRD NO...25 LFYUR = 1990 , LFYPUR = 1990 \$
 CRD NO...26 RL21 = 0.70 , RL31 = 0.70 \$
 DTA CALL NO.....2 INPUT EDITS

A-252

00003840
 00003850
 00003860
 00003870
 00003880
 00003890
 00003900
 00003910
 00003920
 00003930
 00003940
 00003950
 00003960
 00003970
 00003980
 00003990
 00004000
 00004010
 00004020
 00004030
 00004040
 00004050
 00004060
 00004070
 00003805
 00004080

00004090

CRD NO....1 \$\$

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	723.7	1562.3	100.0	0.	1263.93	2816.51	1041.29
2	944.3	1324.8	116.9	0.	1208.36	2528.75	1041.29
3	936.0	1333.2	116.9	0.	1173.83	2541.76	1041.29
4	936.0	1333.2	116.9	0.	1150.81	2541.76	1041.29
5	927.3	1341.9	116.9	0.	1138.03	2555.04	1041.29

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	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	1.0	1.	0.1	0.	0.9	1.	18.0	224.	9.2	34.	8.8	190.	0.	0.
91	773.	26.6	528.	2.0	3.	0.1	0.	1.9	3.	18.0	241.	9.7	36.	15.8	205.	0.	0.
92	812.	28.6	546.	4.0	7.	0.2	0.	3.8	7.	16.5	258.	14.1	42.	10.8	216.	0.	0.
93	852.	30.7	566.	6.0	13.	0.4	1.	5.6	13.	15.0	273.	15.3	48.	8.5	224.	0.	0.
94	895.	32.5	587.	9.0	22.	0.7	1.	8.4	21.	13.0	286.	16.1	55.	6.1	230.	0.	0.
95	940.	34.9	609.	12.0	34.	1.3	3.	10.8	32.	10.5	296.	16.8	62.	3.4	234.	0.	0.
96	987.	37.5	633.	14.0	48.	2.2	5.	12.0	44.	9.0	305.	17.4	66.	5.7	239.	0.	0.
97	1036.	40.3	660.	16.0	64.	3.3	7.	13.1	57.	7.5	312.	19.8	70.	3.0	241.	0.	0.
98	1088.	43.3	688.	18.0	82.	4.6	11.	14.1	71.	6.0	318.	20.7	75.	1.4	243.	0.	0.
99	1142.	46.4	718.	20.0	102.	6.2	16.	15.1	86.	4.5	321.	21.3	79.	0.0	242.	0.	0.
00	1199.	49.8	753.	25.0	127.	8.0	22.	19.1	105.	0.	319.	21.7	83.	0.	236.	0.	0.
01	1241.	15.7	753.	37.1	164.	10.2	29.	30.2	135.	8.1	324.	21.9	86.	5.9	238.	0.	0.
02	1285.	17.0	753.	40.1	205.	12.9	37.	31.8	167.	8.8	327.	22.8	88.	6.7	239.	0.	0.
03	1330.	17.8	755.	51.2	256.	16.9	48.	40.5	208.	0.	318.	23.4	90.	0.	228.	0.	0.
04	1376.	18.7	760.	53.6	309.	21.1	61.	40.5	248.	0.	307.	23.8	92.	0.	215.	0.	0.
05	1424.	19.6	758.	56.1	365.	26.2	77.	40.1	288.	0.	301.	23.4	93.	0.	207.	0.	0.
06	1474.	20.6	756.	58.7	424.	31.4	96.	40.3	328.	0.	294.	22.8	93.	0.	200.	0.	0.
07	1526.	21.6	755.	61.6	485.	36.9	116.	41.6	370.	0.	285.	22.9	93.	0.6	192.	0.	0.
08	1579.	20.1	758.	57.2	543.	43.3	138.	35.0	405.	0.	278.	22.8	92.	1.0	186.	0.	0.
09	1634.	21.0	762.	59.5	602.	49.9	161.	35.8	441.	0.	270.	22.5	91.	0.9	179.	0.	0.
10	1691.	21.8	767.	61.8	664.	56.6	187.	36.6	477.	0.	261.	22.0	90.	0.8	171.	0.	0.
11	1751.	27.0	776.	59.9	724.	63.4	213.	33.4	511.	0.	251.	21.3	89.	1.5	162.	0.	0.
12	1812.	28.1	786.	62.2	786.	70.2	240.	35.3	546.	0.	240.	20.9	87.	1.9	153.	0.	0.
13	1875.	29.2	797.	64.6	851.	76.7	267.	37.9	584.	0.	228.	20.4	85.	2.1	143.	0.	0.
14	1941.	35.2	813.	62.4	913.	83.5	294.	35.6	619.	0.	215.	19.8	82.	2.2	132.	0.	0.
15	2009.	36.6	830.	64.9	978.	90.0	320.	39.2	658.	0.	201.	19.0	80.	2.3	121.	0.	0.
16	2079.	38.1	848.	67.4	1045.	96.4	347.	41.2	699.	0.	186.	18.1	77.	2.8	109.	0.	0.
17	2152.	39.6	867.	70.1	1115.	103.1	373.	43.7	742.	0.	170.	17.2	74.	3.2	96.	0.	0.
18	2227.	41.2	886.	72.9	1188.	109.8	399.	46.5	789.	0.	153.	16.3	71.	3.5	82.	0.	0.
19	2305.	42.9	906.	75.8	1264.	117.0	426.	48.8	838.	0.	135.	15.3	67.	3.7	68.	0.	0.
20	2386.	44.7	927.	78.8	1342.	124.6	455.	50.6	887.	0.	117.	14.2	63.	3.9	54.	0.	0.
21	2339.	0.	901.	0.	1340.	132.3	484.	0.	856.	0.	99.	12.9	59.	4.3	40.	0.	0.
22	2290.	0.	872.	0.	1336.	140.2	514.	0.	822.	0.	82.	11.7	54.	4.6	28.	0.	0.
23	2239.	0.	841.	0.	1330.	140.4	533.	0.	792.	0.	67.	10.5	49.	4.8	18.	0.	0.

24	2184.	0.	809.	0.	1321.	140.5	553.	0.	767.	0.	54.	9.4	45.	4.8	10.	0.	0.
25	2127.	0.	774.	0.	1309.	141.3	562.	0.	746.	0.	44.	8.2	40.	4.7	4.	0.	0.
26	2066.	0.	736.	0.	1295.	142.7	565.	0.	730.	0.	35.	6.7	35.	4.6	0.	0.	0.
27	2002.	0.	696.	0.	1279.	144.6	569.	0.	710.	0.	27.	3.0	27.	3.9	0.	0.	0.
28	1935.	0.	653.	0.	1261.	140.5	569.	0.0	692.	0.	21.	3.4	21.	0.3	0.	0.	0.
29	1864.	0.	606.	0.	1241.	135.7	564.	5.6	677.	0.	17.	3.7	17.	0.	0.	0.	0.
30	1789.	0.	557.	0.	1216.	131.6	552.	11.1	663.	0.	17.	6.7	17.	0.	0.	0.	0.
31	1728.	0.	541.	0.	1179.	128.2	536.	16.4	643.	0.	9.	-5.1	9.	0.	0.	0.	0.
32	1663.	0.	524.	0.	1139.	125.2	521.	15.3	618.	0.	0.	-5.4	0.	0.	0.	0.	0.
33	1594.	0.	506.	0.	1088.	121.8	507.	13.9	581.	0.	0.	3.7	0.	0.	0.	0.	0.
34	1521.	0.	487.	0.	1034.	117.7	493.	13.9	541.	0.	0.	6.7	0.	0.	0.	0.	0.
35	1446.	0.	468.	0.	978.	112.6	477.	15.6	501.	0.	0.	-5.1	0.	0.	0.	0.	0.
36	1366.	0.	447.	0.	919.	107.5	460.	17.6	459.	0.	0.	-5.4	0.	0.	0.	0.	0.
37	1283.	0.	426.	0.	858.	102.4	440.	19.4	417.	0.	0.	3.7	0.	0.	0.	0.	0.
38	1206.	0.	405.	0.	800.	96.7	419.	21.0	381.	0.	0.	6.7	0.	0.	0.	0.	0.
39	1125.	0.	384.	0.	741.	90.5	397.	22.1	344.	0.	0.	-5.1	0.	0.	0.	0.	0.
40	1042.	0.	363.	0.	679.	84.0	374.	23.5	305.	0.	0.	-5.4	0.	0.	0.	0.	0.
41	955.	0.	336.	0.	619.	77.1	348.	25.3	271.	0.	0.	3.7	0.	0.	0.	0.	0.
42	865.	0.	308.	0.	557.	70.1	322.	26.6	235.	0.	0.	6.7	0.	0.	0.	0.	0.
43	771.	0.	278.	0.	492.	63.4	295.	27.1	198.	0.	0.	-5.1	0.	0.	0.	0.	0.
44	673.	0.	243.	0.	430.	56.5	267.	27.5	163.	0.	0.	-5.4	0.	0.	0.	0.	0.
45	572.	0.	207.	0.	365.	49.9	240.	27.2	125.	0.	0.	3.7	0.	0.	0.	0.	0.
46	466.	0.	168.	0.	298.	43.5	213.	26.6	84.	0.	0.	6.7	0.	0.	0.	0.	0.
47	356.	0.	129.	0.	227.	36.7	187.	26.7	41.	0.	0.	-5.1	0.	0.	0.	0.	0.
48	242.	0.	88.	0.	155.	24.4	155.	0.	0.	0.	0.	-5.4	0.	0.	0.	0.	0.
49	123.	0.	45.	0.	79.	0.	79.	0.	0.	0.	0.	3.7	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	6.7	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES												
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	FABRICATION	RECOVERY	URANIUM	PU	PU	FABRICATION	RECOVERY	PU	PU	TOTALS	WITH	W/O
	*****	*****	*****	*****	*****	O&M	O&M	FEED	SEP WK	SALES	PURCHASES	O&M	SALES	PURCHASES	PU	PU	PU
77	11.45	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.	0.	0.		33.95	33.95
78	19.44	9.17	0.	28.61	30.43	2.49	1.34	0.70	0.	0.	0.	0.	0.	0.		63.56	63.56
79	26.96	13.58	0.	40.54	44.87	3.86	2.29	1.30	0.	0.	0.	0.	0.	0.		92.85	92.85
80	34.26	18.11	0.	52.37	58.81	5.31	3.29	1.97	0.	0.	0.	0.	0.	0.		121.75	121.75
81	41.26	22.86	0.	64.13	72.25	6.86	4.35	2.70	0.	0.	0.	0.	0.	0.		150.28	150.28
82	48.00	27.80	0.	75.80	85.22	8.49	5.48	3.49	0.	0.	0.	0.	0.	0.		178.47	178.47
83	54.51	32.87	0.	87.38	97.71	10.21	6.66	4.34	0.	0.	0.	0.	0.	0.		206.31	206.31
84	60.82	38.06	0.	98.88	109.74	12.03	7.91	5.26	0.	0.	0.	0.	0.	0.		233.82	233.82
85	66.95	43.33	0.	110.28	121.33	13.93	9.22	6.23	0.	0.	0.	0.	0.	0.		261.00	261.00
86	72.94	48.66	0.	121.59	132.46	15.91	10.59	7.25	0.19	0.19	0.	0.	0.	0.		287.81	287.81
87	78.79	54.02	0.	132.81	143.16	18.03	11.77	8.18	0.39	0.39	0.	0.	0.	0.		313.94	313.94
88	84.53	59.39	0.	143.93	153.43	20.27	12.94	9.10	0.59	0.59	0.	0.	0.	0.		339.67	339.67
89	90.18	64.76	0.	154.94	163.31	22.63	14.13	10.01	0.80	0.80	0.	0.	0.	0.		365.02	365.02
90	95.76	70.13	0.	165.89	172.80	25.10	15.32	10.94	1.01	1.01	0.	0.	0.	0.		390.04	390.04
91	101.65	75.49	0.	177.14	181.91	27.63	16.72	11.96	1.30	1.30	0.	0.	0.	0.		415.36	415.36
92	107.62	80.72	0.	188.34	190.64	30.23	18.06	12.99	1.61	1.61	0.	0.	0.	0.		440.26	440.26
93	113.67	85.83	0.	199.49	199.01	32.90	19.39	14.03	1.94	1.94	0.	0.	0.	0.		464.82	464.82
94	119.70	90.93	0.	210.63	207.04	35.62	20.73	15.10	2.30	2.30	0.	0.	0.	0.		489.11	489.11
95	125.82	95.91	0.	221.73	214.74	38.39	22.04	16.18	2.70	2.70	0.	0.	0.	0.		513.08	513.08
96	132.02	100.75	0.	232.77	222.14	41.18	23.41	17.29	3.16	3.16	0.	0.	0.	0.		536.80	536.80
97	138.31	105.44	0.	243.75	229.27	44.00	24.73	18.39	3.68	3.68	0.	0.	0.	0.		560.13	560.13
98	144.67	110.00	0.	254.67	236.14	46.82	26.01	19.46	4.24	4.24	0.	0.	0.	0.		583.10	583.10
99	151.11	114.41	0.	265.52	242.76	49.66	27.25	20.53	4.85	4.85	0.	0.	0.	0.		605.72	605.72
00	157.62	118.73	0.	276.35	249.20	52.48	28.54	21.63	5.51	5.51	0.	0.	0.	0.		628.21	628.21
01	159.57	125.97	0.	285.54	255.15	55.38	30.08	22.92	6.23	6.23	0.	0.	0.	0.		649.07	649.07
02	161.56	133.37	0.	294.92	260.66	58.35	31.66	24.23	7.06	7.06	0.	0.	0.	0.		669.82	669.82
03	163.51	140.79	0.	304.30	265.77	61.38	33.26	25.61	7.98	7.98	0.	0.	0.	0.		690.32	690.32
04	165.45	148.12	0.	313.57	270.52	64.44	34.89	26.97	9.02	9.02	0.	0.	0.	0.		710.39	710.39
05	167.37	155.36	0.	322.73	274.87	67.56	36.53	28.29	10.18	10.18	0.	0.	0.	0.		729.98	729.98
06	169.26	162.52	0.	331.78	278.83	70.73	38.21	29.59	11.46	11.46	0.	0.	0.	0.		749.14	749.14
07	171.14	169.59	0.	340.73	282.52	73.93	39.87	30.86	12.86	12.86	0.	0.	0.	0.		767.91	767.91
08	172.80	175.80	0.	348.59	285.99	77.15	41.48	32.04	14.39	14.39	0.	0.	0.	0.		785.24	785.24
09	174.42	181.88	0.	356.30	289.25	80.37	43.11	33.19	16.02	16.02	0.	0.	0.	0.		802.22	802.22
10	176.01	187.84	0.	363.85	292.33	83.59	44.75	34.33	17.76	17.76	0.	0.	0.	0.		818.85	818.85
11	177.87	193.29	0.	371.17	295.26	86.79	46.37	35.40	19.59	19.59	0.	0.	0.	0.		834.99	834.99
12	179.70	198.64	0.	378.34	298.06	89.96	48.01	36.46	21.50	21.50	0.	0.	0.	0.		850.83	850.83
13	181.50	203.87	0.	385.37	300.73	93.11	49.69	37.50	23.48	23.48	0.	0.	0.	0.		866.40	866.40
14	183.53	208.64	0.	392.18	303.31	96.22	51.34	38.50	25.54	25.54	0.	0.	0.	0.		881.54	881.54
15	185.53	213.32	0.	398.85	305.80	99.27	53.05	39.48	27.66	27.66	0.	0.	0.	0.		896.46	896.46

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16	187.50	217.91	0.	406.40	308.23	102.29	54.82	40.85	29.85	29.85	0.	0.	0.	911.18	911.18
17	189.42	222.41	0.	411.83	310.58	105.25	56.71	41.41	32.12	32.12	0.	0.	0.	925.79	925.79
18	191.31	226.82	0.	418.13	312.87	108.17	58.71	42.37	34.45	34.45	0.	0.	0.	940.25	940.25
19	193.17	231.15	0.	424.32	315.09	111.03	60.86	43.31	36.93	36.93	0.	0.	0.	954.61	954.61
20	194.99	235.39	0.	430.39	317.26	113.85	63.17	44.23	39.56	39.56	0.	0.	0.	968.89	968.89
21	194.99	235.39	0.	430.39	319.24	116.47	64.76	44.85	42.34	42.34	0.	0.	0.	975.71	975.71
22	194.99	235.39	0.	430.39	321.07	118.92	66.28	45.41	45.04	45.04	0.	0.	0.	982.07	982.07
23	194.99	235.39	0.	430.39	322.74	121.21	67.71	45.91	47.68	47.68	0.	0.	0.	987.95	987.95
24	194.99	235.39	0.	430.39	324.26	123.33	69.04	46.35	50.27	50.27	0.	0.	0.	993.36	993.36
25	194.99	235.39	0.	430.39	325.63	125.30	70.28	46.74	52.82	52.82	0.	0.	0.	998.33	998.33
26	194.99	235.39	0.	430.39	326.86	127.12	71.40	47.09	55.32	55.32	0.	0.	0.	1002.86	1002.86
27	194.99	235.39	0.	430.39	327.96	128.81	72.47	47.40	57.72	57.72	0.	0.	0.	1007.03	1007.03
28	194.99	235.39	0.	430.39	328.93	130.30	73.43	47.68	59.99	59.99	0.	0.	0.	1010.80	1010.80
29	194.99	235.39	0.	430.39	329.77	131.82	74.40	47.95	62.14	62.14	0.	0.	0.	1014.33	1014.33
30	194.99	235.39	0.	430.39	330.49	133.16	75.34	48.20	64.14	64.14	0.	0.	0.	1017.58	1017.58
31	194.99	235.39	0.	430.39	331.16	134.37	76.14	48.41	66.09	66.09	0.	0.	0.	1020.47	1020.47
32	194.99	235.39	0.	430.39	331.79	135.47	76.84	48.59	67.98	67.98	0.	0.	0.	1023.07	1023.07
33	194.99	235.39	0.	430.39	332.37	136.46	77.42	48.74	69.71	69.71	0.	0.	0.	1025.37	1025.37
34	194.99	235.39	0.	430.39	332.90	137.34	77.93	48.86	71.27	71.27	0.	0.	0.	1027.42	1027.42
35	194.99	235.39	0.	430.39	333.40	138.13	78.38	48.96	72.70	72.70	0.	0.	0.	1029.26	1029.26
36	194.99	235.39	0.	430.39	333.85	138.84	78.78	49.05	74.02	74.02	0.	0.	0.	1030.91	1030.91
37	194.99	235.39	0.	430.39	334.27	139.46	79.12	49.11	75.19	75.19	0.	0.	0.	1032.35	1032.35
38	194.99	235.39	0.	430.39	334.66	140.01	79.46	49.17	76.21	76.21	0.	0.	0.	1033.69	1033.69
39	194.99	235.39	0.	430.39	335.02	140.48	79.75	49.22	77.13	77.13	0.	0.	0.	1034.86	1034.86
40	194.99	235.39	0.	430.39	335.34	140.90	80.00	49.26	77.94	77.94	0.	0.	0.	1035.89	1035.89
41	194.99	235.39	0.	430.39	335.64	141.26	80.23	49.29	78.64	78.64	0.	0.	0.	1036.79	1036.79
42	194.99	235.39	0.	430.39	335.89	141.56	80.41	49.31	79.23	79.23	0.	0.	0.	1037.56	1037.56
43	194.99	235.39	0.	430.39	336.12	141.82	80.55	49.32	79.74	79.74	0.	0.	0.	1038.19	1038.19
44	194.99	235.39	0.	430.39	336.31	142.03	80.67	49.32	80.19	80.19	0.	0.	0.	1038.71	1038.71
45	194.99	235.39	0.	430.39	336.46	142.19	80.74	49.32	80.56	80.56	0.	0.	0.	1039.10	1039.10
46	194.99	235.39	0.	430.39	336.57	142.33	80.77	49.32	80.85	80.85	0.	0.	0.	1039.38	1039.38
47	194.99	235.39	0.	430.39	336.66	142.42	80.77	49.32	81.10	81.06	0.	0.	0.	1039.52	1039.56
48	194.99	235.39	0.	430.39	336.72	142.48	80.77	49.32	81.29	81.13	0.	0.	0.	1039.52	1039.68
49	194.99	235.39	0.	430.39	336.74	142.52	80.77	49.32	81.43	81.19	0.	0.	0.	1039.50	1039.73
50	194.99	235.39	0.	430.39	336.74	142.52	80.77	49.32	81.54	81.24	0.	0.	0.	1039.44	1039.73

A-256

CRD NO....1 (CASE #10 , LWR AND FBR-78 WITH REPROCESSING)\$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1=2051. , 18TOPW=1977 \$
 CRD NO....4 CPUINV=0.02758 \$
 CRD NO....5 PWRSEI=0.08247 \$
 CRD NO....6 SPECIF(1)=2513. , 2513. \$
 CRD NO....7 BUPRLD(1)=918000.0,918000. \$
 CRD NO....8 PURCIN=274.0 \$
 CRD NO....9 PURCDC=344.0 \$
 CRD NO...10 PURPIS(30)=0.03803, PURPIS(121)=0.03803 \$
 CRD NO...11 PURPCR(30)=0.233 , PURPCR(121)=0.233 \$
 CRD NO...12 PWRPUP(40)=0.964, PWRPUP(121)=0.964 \$
 CRD NO...13 PWRDEC(30)=0.02674, PWRDEC(121)=0.02674 \$
 CRD NO...14 PWRIEC(30)=0.01151, PWRIEC(121)=0.01151 \$
 CRD NO...15 PWRDUC(30)=0.05305, PWRDUC(121)=0.05305 \$
 CRD NO...16 PWRIUC(30)=0.03343, PWRIUC(121)=0.03343 \$
 CRD NO...17 EPNINT(1)=0.93, 0.93 \$
 CRD NO...18 EPNRLD(1)=0.93, 0.93 \$
 CRD NO...19 EPNOUT(1)=0.002, 0.002 \$
 CRD NO...20 PWRFAB(30)=0.835, PWRFAB(121)=0.835 \$
 CRD NO...21 PURFAB(30)=1.828, PURFAB(121)=1.828 \$
 CRD NO...22 PWRREC(30)=1.566, PWRREC(121)=1.566 \$
 CRD NO...23 PURREC(30)=1.398, PURREC(121)=1.398 \$
 CRD NO...24 LFYUR=1995 , LFYUR=1995 \$\$
 DTA CALL NO.....8 INPUT EDITS

00004092
 00004093
 00004094
 00004095
 00004096
 00004097
 00004098
 00004099
 00004100
 00004101
 00004102
 00004103
 00004104
 00004105
 00004106
 00004107
 00004108
 00004109
 00004110
 00004111
 00004112
 00004113
 00004114
 00004115

CRD NO....1 \$\$

00004116

A-257

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	697.0	1403.0	85.6	0.	1057.08	823.55	1041.29
2	870.5	1251.2	85.6	0.	1025.46	767.78	1041.29
3	865.6	1255.5	85.6	0.	1005.40	769.58	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
***** (T H O U S A N D S O F M W) *****																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	608.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	1.0	1.	0.	0.	1.0	1.	17.9	223.	9.2	34.	8.6	190.	0.	0.
91	773.	26.6	528.	2.0	3.	0.	0.	2.0	3.	17.7	241.	9.7	36.	15.5	205.	0.	0.
92	811.	28.6	548.	4.0	7.	0.	0.	4.0	7.	18.9	257.	14.1	42.	10.2	215.	0.	0.
93	850.	30.7	568.	6.0	13.	0.	0.	6.0	13.	14.1	271.	15.3	48.	7.6	222.	0.	0.
94	892.	32.5	587.	9.0	22.	0.	0.	9.0	22.	11.7	282.	16.1	55.	4.9	227.	0.	0.
95	935.	34.9	609.	12.0	34.	3.6	4.	8.4	31.	8.8	291.	16.7	62.	1.8	229.	0.	0.
A-258 96	980.	37.5	633.	14.0	48.	5.5	9.	8.5	39.	7.0	298.	17.2	65.	3.8	233.	0.	0.
97	1027.	40.3	660.	16.0	64.	7.3	16.	8.7	48.	5.2	302.	19.5	70.	1.0	233.	0.	0.
98	1076.	43.3	688.	18.0	82.	9.1	26.	8.9	57.	3.4	306.	20.4	74.	0.	232.	0.	0.
99	1127.	46.4	718.	20.0	102.	10.1	32.	13.5	70.	1.6	307.	20.8	78.	0.	229.	0.	0.
00	1181.	49.8	753.	21.9	124.	14.9	41.	12.5	83.	0.	304.	21.0	82.	0.	223.	0.	0.
01	1217.	13.6	751.	41.4	166.	19.3	53.	29.4	112.	0.	301.	21.1	83.	0.	218.	0.	0.
02	1255.	14.7	749.	44.8	210.	23.3	68.	30.6	143.	0.	295.	22.0	85.	0.	211.	0.	0.
03	1293.	15.4	749.	46.9	257.	31.0	88.	26.0	169.	0.	287.	22.2	86.	0.	201.	0.	0.
04	1332.	16.2	750.	49.1	306.	38.2	112.	25.7	195.	0.	276.	22.0	87.	0.	188.	0.	0.
05	1373.	17.0	748.	51.4	357.	45.2	138.	25.4	220.	0.	269.	21.6	88.	0.	182.	0.	0.
06	1415.	17.8	742.	53.8	411.	52.9	167.	24.2	244.	0.	262.	21.0	87.	1.0	176.	0.	0.
07	1459.	18.7	738.	56.4	468.	60.3	197.	27.0	271.	0.	254.	21.0	86.	1.1	168.	0.	0.
08	1505.	17.5	738.	52.4	520.	70.4	229.	20.2	291.	0.	247.	20.8	84.	1.2	162.	0.	0.
09	1552.	18.2	740.	54.4	574.	81.2	265.	18.4	309.	0.	238.	20.3	83.	1.3	155.	0.	0.
10	1601.	19.0	741.	56.5	631.	89.9	302.	19.6	329.	0.	229.	19.8	82.	1.2	147.	0.	0.
11	1652.	19.8	743.	58.7	690.	98.1	340.	20.9	350.	0.	219.	19.1	80.	1.9	139.	0.	0.
12	1705.	23.6	749.	58.4	748.	106.5	376.	22.3	372.	0.	208.	18.7	78.	2.1	130.	0.	0.
13	1760.	24.6	755.	60.7	809.	115.0	409.	26.9	399.	0.	196.	18.2	76.	2.1	121.	0.	0.
14	1817.	25.6	762.	63.0	872.	124.2	444.	28.7	428.	0.	183.	17.4	73.	2.4	110.	0.	0.
15	1876.	31.7	774.	61.1	933.	133.3	479.	25.9	454.	0.	169.	16.6	71.	2.5	98.	0.	0.
16	1937.	33.0	786.	63.5	998.	142.5	515.	27.4	481.	0.	154.	15.7	68.	3.0	86.	0.	0.
17	2001.	39.6	805.	61.3	1057.	151.2	551.	25.1	506.	0.	138.	14.9	65.	3.3	74.	0.	0.
18	2067.	41.2	825.	63.8	1121.	160.6	588.	27.4	534.	0.	121.	14.0	61.	3.5	60.	0.	0.
19	2136.	42.9	845.	66.3	1188.	169.6	624.	30.0	564.	0.	103.	12.9	58.	3.7	46.	0.	0.
20	2207.	44.7	866.	68.9	1255.	179.9	661.	31.5	594.	0.	86.	11.8	54.	3.9	32.	0.	0.
21	2160.	0.	839.	0.	1253.	191.1	701.	0.	552.	0.	68.	10.5	49.	4.4	19.	0.	0.
22	2112.	0.	810.	0.	1249.	201.9	743.	0.	507.	0.	52.	9.4	45.	4.6	7.	0.	0.
23	1.	0.	780.	0.	1243.	197.7	771.	0.	473.	0.	38.	6.1	38.	4.7	0.	0.	0.

24	2008.	0.	747.	0.	1234.	192.3	783.	0.	481.	0.	26.	0.1	26.	2.7	0.	0.	0.
25	1952.	0.	712.	0.	1222.	189.7	782.	1.4	441.	0.	17.	1.7	17.	0.	0.	0.	0.
26	1893.	0.	675.	0.	1208.	190.3	770.	11.6	438.	0.	10.	2.4	10.	0.	0.	0.	0.
27	1832.	0.	634.	0.	1192.	193.2	765.	4.5	427.	0.	8.	0.9	5.	0.	0.	0.	0.
28	1767.	0.	591.	0.	1174.	185.6	759.	6.7	416.	0.	2.	-3.4	2.	0.	0.	0.	0.
29	1699.	0.	545.	0.	1154.	175.5	745.	14.2	410.	0.	0.	0.1	0.	0.	0.	0.	0.
30	1628.	0.	495.	0.	1133.	167.4	722.	22.8	411.	0.	0.	2.4	0.	0.	0.	0.	0.
31	1573.	0.	481.	0.	1091.	162.6	691.	30.6	400.	0.	0.	0.9	0.	0.	0.	0.	0.
32	1513.	0.	467.	0.	1046.	161.0	667.	24.6	380.	0.	0.	-3.4	0.	0.	0.	0.	0.
33	1451.	0.	451.	0.	1000.	158.3	649.	17.2	350.	0.	0.	0.1	0.	0.	0.	0.	0.
34	1385.	0.	435.	0.	950.	152.1	634.	15.3	316.	0.	0.	2.4	0.	0.	0.	0.	0.
35	1317.	0.	418.	0.	899.	144.0	615.	18.6	284.	0.	0.	0.9	0.	0.	0.	0.	0.
36	1246.	0.	400.	0.	845.	135.8	590.	25.2	255.	0.	0.	-3.4	0.	0.	0.	0.	0.
37	1170.	0.	381.	0.	789.	129.1	561.	29.2	228.	0.	0.	0.1	0.	0.	0.	0.	0.
38	1101.	0.	364.	0.	737.	121.2	530.	30.9	206.	0.	0.	2.4	0.	0.	0.	0.	0.
39	1028.	0.	346.	0.	682.	112.1	498.	31.9	184.	0.	0.	-0.9	0.	0.	0.	0.	0.
40	952.	0.	327.	0.	626.	102.6	465.	33.3	161.	0.	0.	-3.4	0.	0.	0.	0.	0.
41	874.	0.	307.	0.	567.	92.1	428.	37.0	139.	0.	0.	0.1	0.	0.	0.	0.	0.
42	792.	0.	283.	0.	509.	81.7	388.	39.5	120.	0.	0.	2.4	0.	0.	0.	0.	0.
43	707.	0.	259.	0.	448.	72.3	349.	39.8	99.	0.	0.	0.9	0.	0.	0.	0.	0.
44	618.	0.	233.	0.	385.	63.7	310.	38.8	75.	0.	0.	-3.4	0.	0.	0.	0.	0.
45	525.	0.	201.	0.	324.	55.7	273.	36.4	50.	0.	0.	0.1	0.	0.	0.	0.	0.
46	429.	0.	168.	0.	260.	46.8	239.	34.9	22.	0.	0.	2.4	0.	0.	0.	0.	0.
47	328.	0.	129.	0.	199.	32.7	199.	0.	0.	0.	0.	0.9	0.	0.	0.	0.	0.
48	223.	0.	88.	0.	135.	0.	135.	0.	0.	0.	0.	-3.4	0.	0.	0.	0.	0.
49	114.	0.	45.	0.	69.	0.	69.	0.	0.	0.	0.	0.1	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	0.	2.4	0.	0.	0.	0.	0.

ECONOMIC COST CASE

YR **	CAPITAL INVESTMENTS				EXPENSES											TOTALS	
	*****				*****											*****	
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR				FBR							
*****	*****	*****	*****	*****	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES	WITH PU	W+O PU			
					FUEL O&M												
77	11.45	5.18	0.	16.63	15.27	1.21	0.47	0.18	0.	0.	0.	0.	33.76	33.76			
78	19.44	9.17	0.	28.61	29.86	2.49	1.35	0.70	0.	0.	0.	0.	63.01	63.01			
79	26.96	13.58	0.	40.54	43.63	3.86	2.29	1.30	0.	0.	0.	0.	91.63	91.63			
80	34.26	18.11	0.	52.37	56.90	5.32	3.30	1.98	0.	0.	0.	0.	119.86	119.86			
81	41.26	22.86	0.	64.13	69.87	6.86	4.38	2.71	0.	0.	0.	0.	147.74	147.74			
82	48.00	27.80	0.	75.80	81.97	8.50	5.49	3.51	0.	0.	0.	0.	175.26	175.26			
83	54.51	32.87	0.	87.38	93.80	10.22	6.88	4.36	0.	0.	0.	0.	202.45	202.45			
84	60.82	38.06	0.	98.88	105.15	12.04	7.93	5.28	0.	0.	0.	0.	229.27	229.27			
85	66.95	43.33	0.	110.28	116.03	13.94	9.24	6.25	0.	0.	0.	0.	255.75	255.75			
86	72.94	48.66	0.	121.59	126.47	15.93	10.61	7.27	0.19	0.19	0.	0.	281.87	281.87			
87	78.79	54.02	0.	132.81	136.48	18.04	11.78	8.20	0.39	0.39	0.	0.	307.32	307.32			
88	84.53	59.39	0.	143.93	146.08	20.29	12.97	9.12	0.59	0.59	0.	0.	332.38	332.38			
89	90.19	64.76	0.	154.94	155.28	22.65	14.15	10.04	0.79	0.79	0.	0.	357.07	357.07			
90	95.76	70.09	0.	165.85	164.09	25.12	15.33	10.95	0.99	0.99	0.	0.	381.33	381.33			
91	101.65	75.38	0.	177.02	172.50	27.66	16.69	11.95	1.27	1.27	0.	0.	405.82	405.82			
92	107.62	80.47	0.	188.08	180.52	30.27	17.97	12.93	1.56	1.56	0.	0.	429.77	429.77			
93	113.67	85.36	0.	199.03	188.20	32.95	19.22	13.91	1.86	1.86	0.	0.	453.31	453.31			
94	119.70	90.18	0.	209.88	195.54	35.69	20.45	14.90	2.31	2.31	0.	0.	476.47	476.47			
95	125.82	94.80	0.	220.62	202.56	38.50	21.62	15.88	2.82	2.82	0.	0.	499.18	499.18			
96	132.02	99.24	0.	231.27	209.27	41.35	22.82	16.87	3.42	3.42	0.	0.	521.59	521.59			
97	138.31	103.51	0.	241.82	215.73	44.24	23.96	17.85	4.07	4.07	0.	0.	543.60	543.60			
98	144.67	107.61	0.	252.28	221.92	47.17	25.07	18.81	4.72	4.72	0.	0.	565.24	565.24			
99	151.11	111.85	0.	262.66	227.87	50.11	26.20	19.79	5.49	5.49	0.	0.	586.63	586.63			
00	157.62	115.33	0.	272.95	233.63	53.06	27.32	20.77	6.34	6.34	0.	0.	607.73	607.73			
01	159.30	122.07	0.	281.38	238.92	56.14	28.55	21.85	7.28	7.28	0.	0.	626.83	626.83			
02	161.02	128.96	0.	289.98	243.77	59.33	29.83	23.00	8.38	8.38	0.	0.	645.90	645.90			
03	162.71	135.76	0.	298.48	248.23	62.61	31.11	24.16	9.61	9.61	0.	0.	664.59	664.59			
04	164.39	142.48	0.	306.87	252.35	65.97	32.40	25.33	10.95	10.95	0.	0.	682.92	682.92			
05	166.05	149.11	0.	315.17	256.07	69.43	33.72	26.51	12.42	12.42	0.	0.	700.88	700.88			
06	167.70	155.66	0.	323.36	259.41	72.96	35.09	27.69	14.00	14.00	0.	0.	718.51	718.51			
07	169.33	162.14	0.	331.47	262.53	76.57	36.45	28.85	15.73	15.73	0.	0.	735.86	735.86			
08	170.77	167.82	0.	338.58	265.48	80.21	37.84	29.99	17.61	17.61	0.	0.	752.10	752.10			
09	172.18	173.38	0.	345.56	268.30	83.88	39.23	31.10	19.58	19.58	0.	0.	768.08	768.08			
10	173.57	178.83	0.	352.40	270.95	87.58	40.65	32.19	21.64	21.64	0.	0.	783.76	783.76			
11	174.93	184.18	0.	359.11	273.42	91.29	42.09	33.26	23.78	23.78	0.	0.	799.17	799.17			
12	176.47	189.19	0.	365.66	275.76	94.99	43.57	34.32	26.00	26.00	0.	0.	814.29	814.29			
13	177.98	194.10	0.	372.08	277.96	98.68	45.08	35.37	28.29	28.29	0.	0.	829.17	829.17			
14	179.46	198.92	0.	378.38	280.05	102.35	46.64	36.41	30.66	30.66	0.	0.	843.83	843.83			
15	181.19	203.32	0.	384.51	282.07	105.98	48.22	37.42	33.10	33.10	0.	0.	858.21	858.21			

16	J9	1.64	0.	190.	284	10	4	4	.61	35.1	C								
17	184.82	211.58	0.	396.39	285.91	113.12	51.57	39.42	38.19	38.19	0.	0.	J.	872.				38	
18	186.71	216.44	0.	402.15	287.76	116.60	53.36	40.39	40.85	40.85	0.	0.	0.	886.41	886.41				
19	188.57	219.22	0.	407.79	289.58	120.03	55.23	41.35	43.59	43.59	0.	0.	0.	900.27	900.27				
20	190.39	222.94	0.	413.33	291.37	123.40	57.25	42.28	46.47	46.47	0.	0.	0.	913.98	913.98				
21	190.39	222.94	0.	413.33	293.02	126.56	59.17	43.12	49.51	49.51	0.	0.	0.	927.63	927.63				
22	190.39	222.94	0.	413.33	294.82	129.52	61.03	43.85	52.45	52.45	0.	0.	0.	935.20	935.20				
23	190.39	222.94	0.	413.33	295.89	132.28	62.75	44.48	55.26	55.26	0.	0.	0.	942.24	942.24				
24	190.39	222.94	0.	413.33	297.12	134.85	64.33	45.02	58.04	58.04	0.	0.	0.	948.72	948.72				
25	190.39	222.94	0.	413.33	298.24	137.23	65.84	45.51	60.83	60.83	0.	0.	0.	954.65	954.65				
26	190.39	222.94	0.	413.33	299.23	139.44	67.34	45.97	63.63	63.63	0.	0.	0.	960.14	960.14				
27	190.39	222.94	0.	413.33	300.11	141.49	68.81	46.39	66.35	66.35	0.	0.	0.	965.31	965.31				
28	190.39	222.94	0.	413.33	300.87	143.39	70.23	46.78	68.93	68.93	0.	0.	0.	970.12	970.12				
29	190.39	222.94	0.	413.33	301.52	145.15	71.61	47.14	71.37	71.37	0.	0.	0.	974.59	974.59				
30	190.39	222.94	0.	413.33	302.07	146.77	72.97	47.49	73.69	73.69	0.	0.	0.	978.74	978.74				
31	190.39	222.94	0.	413.33	302.58	148.25	74.26	47.81	75.94	75.94	0.	0.	0.	982.63	982.63				
32	190.39	222.94	0.	413.33	303.05	149.58	75.41	48.09	78.07	78.07	0.	0.	0.	986.22	986.22				
33	190.39	222.94	0.	413.33	303.50	150.79	76.43	48.34	80.03	80.03	0.	0.	0.	989.46	989.46				
34	190.39	222.94	0.	413.33	303.91	151.88	77.31	48.54	81.81	81.81	0.	0.	0.	992.37	992.37				
35	190.39	222.94	0.	413.33	304.29	152.85	78.07	48.72	83.42	83.42	0.	0.	0.	994.96	994.96				
36	190.39	222.94	0.	413.33	304.65	153.71	78.75	48.87	84.87	84.87	0.	0.	0.	997.26	997.26				
37	190.39	222.94	0.	413.33	304.98	154.47	79.34	48.89	86.17	86.17	0.	0.	0.	999.30	999.30				
38	190.39	222.94	0.	413.33	305.28	155.14	79.86	49.10	87.31	87.31	0.	0.	0.	1001.11	1001.11				
39	190.39	222.94	0.	413.33	305.57	155.73	80.32	49.19	88.30	88.30	0.	0.	0.	1002.72	1002.72				
40	190.39	222.94	0.	413.33	305.83	156.24	80.72	49.27	89.17	89.17	0.	0.	0.	1004.14	1004.14				
A-261 41	190.39	222.94	0.	413.33	306.07	156.68	81.06	49.33	89.92	89.92	0.	0.	0.	1005.39	1005.39				
42	190.39	222.94	0.	413.33	306.28	157.05	81.35	49.38	90.55	90.55	0.	0.	0.	1006.47	1006.47				
43	190.39	222.94	0.	413.33	306.47	157.36	81.58	49.43	91.08	91.08	0.	0.	0.	1007.39	1007.39				
44	190.39	222.94	0.	413.33	306.65	157.61	81.76	49.45	91.55	91.55	0.	0.	0.	1008.17	1008.17				
45	190.39	222.94	0.	413.33	306.79	157.81	81.90	49.47	91.93	91.93	0.	0.	0.	1008.80	1008.80				
46	190.39	222.94	0.	413.33	306.91	157.96	81.99	49.48	92.23	92.20	0.	0.	0.	1009.30	1009.30				
47	190.39	222.94	0.	413.33	306.99	158.08	81.99	49.48	92.47	92.30	0.	0.	0.	1009.63	1009.66				
48	190.39	222.94	0.	413.33	307.05	158.15	81.99	49.48	92.65	92.39	0.	0.	0.	1009.69	1009.86				
49	190.39	222.94	0.	413.33	307.08	158.18	81.99	49.48	92.81	92.48	0.	0.	0.	1009.73	1009.99				
50	190.39	222.94	0.	413.33	307.08	158.18	81.99	49.48	92.94	92.56	0.	0.	0.	1009.72	1010.05				

TABLE A-7

YEAR 2000 GCR INTRODUCTION SCENARIO COMPUTER OUTPUT

		Present Valued Benefit (Billions of \$)	Case Page Number
CASE 1.	No reprocessing and the LWR is the only nuclear option. [1153.80]	--	A-17
CASE 2.	With reprocessing and the LWR is the only nuclear option. [1065.34] (Case 1 - Case 2)	88	A-22
CASE 3.	No reprocessing and the LWR and PBR-4021 are the only nuclear options. [1131.42] (Case 1 - Case 3)	22	A-268
CASE 4.	With reprocessing and the LWR and PBR-4021 are the only nuclear options. [1064.48] (Case 2 - Case 4)	1	A-273
CASE 5.	With reprocessing and the LWR, PBR-4021, PBR-PB, and PBR-NB are the only nuclear options. [1066.55] (Case 2 - Case 5)	0	A-278
CASE 6.	With reprocessing and the LWR, PBR-4021, PBR-PB, and PBR-PBTBR are the only nuclear options. [1034.89] (Case 2 - Case 6)	30	A-283
CASE 7.	No reprocessing and the LWR and HTGR-OC are the only nuclear options. [1152.17] (Case 1 - Case 7)	2	A-288
CASE 8.	With reprocessing and the LWR and HTGR-RC are the only nuclear options. [1043.14] (Case 2 - Case 8)	22	A-294
CASE 9.	With reprocessing and the LWR and HTGR-HC are the only nuclear options. [1052.65] (Case 2 - Case 9)	13	A-297
CASE 10.	With reprocessing and the LWR and PBR-78 are the only nuclear options. [1048.95]	16	A-302

[] = Present valued cost of generating electricity for this case.

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (***** REFERENCE INFORMATION FOR GCR INCENTIVES CASES *****)\$
 CRD NO....2 (DATA LAST CHANGED 1-5-79)\$
 CRD NO....3 (BASE DATA SET FOR PBR,S)\$
 CRD NO....4 \$
 CRD NO....5 (BREEDER PERFORMANCE DATA)\$
 CRD NO....6 \$
 CRD NO....7 (LMFBR OUT OF CORE RATIOS)\$
 CRD NO....8 09(30)=2.5,09(70)=2.5,09(85)=1.5,09(121)=1.5 \$
 CRD NO....9 (LMFBR SPECIFIC POWER KWTH/KG PU FISSILE FOR 1ST CORE)\$
 CRD NO....10 D3(30)=1000. , D3(121)=1000. \$
 CRD NO....11 (LMFBR THERMAL EFFICIENCY)\$
 CRD NO....12 D4(30)=0.38,D4(121)=0.38 \$
 CRD NO....13 \$
 CRD NO....14 (INVENTORY SLOPES)\$
 CRD NO....15 \$
 CRD NO....16 (INVENTORY ON U-CYCLE LWR PU (MILLS/KW-HRO)/(\$/GM PU))\$
 CRD NO....17 CBUINV=0.0 , CPUINV=0.00236 \$
 CRD NO....18 CGUINV=0.003126 \$
 CRD NO....19 (PU CREDIT BASED ON LEVELIZATION PERIOD - (MILLS/KWHR)/(\$/GM))\$
 CRD NO....20 BWRSFI =0.0 , PWRSFI=0.0565\$
 CRD NO....21 \$
 CRD NO....22 (LWR U-CYCLE & HTGR PERFORMANCE DATA)\$
 CRD NO....23 \$
 CRD NO....24 (BWR,PWR,HTGR SPECIFIC POWERS -- MWTH/MTU)\$
 CRD NO....25 SPECIF(1)=1838.0,1714.0,26.9 \$
 CRD NO....26 (BWR,PWR,HTGR RELOAD BURNUPS -- MWDTH/MTU)\$
 CRD NO....27 BUPRLD(1)=1309430.0,571210.0,27500.0 \$
 CRD NO....28 (BWR,PWR,HTGR EFFICIENCY)\$
 CRD NO....29 EFFICY(1)=0.38,0.38,0.34 \$
 CRD NO....30 \$
 CRD NO....31 (PLUTONIUM PERFORMANCE DATA)\$
 CRD NO....32 \$
 CRD NO....33 PURCIN=242.0\$ INVERSE OF 4130.5 KG PU LOAD REQUIREMENT FOR 1000MWE
 CRD NO....34 PURCDC=257.0\$ INVERSE OF 3891.6 KG PU DISCHARGE PER 1000MWE
 CRD NO....35 (LWR PU RECYCLE PU CONSUMPTION RATE - KG PU/MWE-YR AT 100% CF)\$
 CRD NO....36 PURPCR(30) = 0.0748 , PURPCR(121)= 0.0748 \$
 CRD NO....37 (LWR PU RECYCLE PLUTONIUM INVENTORY - (MILLS/KWE-HRO)/(\$/GM PU))\$
 CRD NO....38 PURPIS(30) = 0.06816 , PURPIS(121)= 0.06816 \$
 CRD NO....39 (VALUE OF PU AFTER ONE RECYCLE - %/100)\$
 CRD NO....40 FPUVAU = 1.0 \$
 CRD NO....41 (NET PU PRODUCTION -- KG PU FISSILE/MWE-YR AT 100% CF)\$
 CRD NO....42 FBRPUP(30)=0.196,FBRPUP(121)=0.196 \$
 CRD NO....43 BWRPUP(30) = 0.0 , BWRPUP(121)= 0.0 \$
 CRD NO....44 PWRPUP(40) = 0.516 , PWRPUP(121)= 0.516 \$
 CRD NO....45 \$
 CRD NO....46 (U-233 PERFORMANCE DATA) \$
 CRD NO....47 \$
 CRD NO....48 UIRCIN=326.8 \$ INVERSE OF X KG U-233 LOAD REQUIRED FOR 1000 MWE.
 CRD NO....49 UIRCDC=636.9 \$ INVERSE OF X KG U-233 DISCHARGE PER 1000 MWE

00000280
 00000290
 00000300
 00000310
 00000320
 00000330
 00000340
 00000350
 00000360
 00000370
 00000380
 00000390
 00000400
 00000410
 00000420
 00000430
 00000440
 00000450
 00000460
 00000470
 00000480
 00000490
 00000500
 00000510
 00000520
 00000530
 00000540
 00000550
 00000560
 00000570
 00000580
 00000590
 00000600
 00000610
 00000620
 00000630
 00000640
 00000650
 00000660
 00000670
 00000680
 00000690
 00000700
 00000710
 00000720
 00000730
 00000740
 00000750
 00000760

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CRD NO...50 (GCR U-233 CONSUMPTION RATE - KG U-233/MWE-YR AT 100% CF) \$ 00000770
CRD NO...51 UIRICR(30) = 0.6815, UIRICR(121) = 0.6815 \$ 00000780
CRD NO...52 (GCR U-233 RECYCLE INVENTORY - (MILLS/KWE-HRO)/(\$/GM PU)) \$ 00000790
CRD NO...53 UIRIIS(30) = 0.0741, UIRIIS(121) = 0.0741 \$ 00000800
CRD NO...54 (VALUE OF U-233 AFTER ONE RECYCLE - %/100) \$ 00000810
CRD NO...55 FUIVAU = 1.00 \$ 00000820
CRD NO...56 (NET U-233 PRODUCTION -- KG U-233 FISSILE/MWE-YR AT 100% CF) \$ 00000830
CRD NO...57 GCRUIP(45) = 0.235, GCRUIP(121) = 0.235 \$ 00000840
CRD NO...58 (U-233 CREDIT BASED ON LEVELIZATION PERIOD-(MILLS/KWHR)/(\$/GM)) \$ 00000850
CRD NO...59 GCRSFI = 0.0237 00000860
CRD NO...60 \$ 00000870
CRD NO...61 (FUEL SERVICE CHARGES)\$ 00000880
CRD NO...62 \$ 00000890
CRD NO...63 (LWR AND GCR ENRICHMENT COSTS - (M/KWH)/(\$/SWU)) \$ 00000900
CRD NO...64 BWRDEC(30) = 0.0187, BWRDEC(121) = 0.0187 \$ 00000910
CRD NO...65 BWRIEC(30) = 0.0142, BWRIEC(121) = 0.0142 \$ 00000920
CRD NO...66 PWRDEC(30) = 0.0258, PWRDEC(121) = 0.0258 \$ 00000930
CRD NO...67 PWRIEC(30) = 0.0156, PWRIEC(121) = 0.0156 \$ 00000940
CRD NO...68 GCRDEC(30) = 0.0154, GCRDEC(121) = 0.0154 \$ 00000950
CRD NO...69 GCRIEC(30) = 0.00966, GCRIEC(121) = 0.00966 \$ 00000960
CRD NO...70 (SEPARATIVE WORK COST - \$/SWU)\$ 00000970
CRD NO...71 ECOST(30)=61., ECOST(37)=61., ECOST(40)=75., ECOST(45)=85. \$ 00000980
CRD NO...72 ECOST(121)=85. \$ 00000990
CRD NO...73 SHUPCF = 0.0 \$ 00001000
CRD NO...74 CONVER(35)=4.5, CONVER(40)=4.5, CONVER(60)=4.5, CONVER(121)=4.5 \$ 00001010
CRD NO...75 (LWR AND GCR URANIUM COST (MILLS/KWH)/(\$/LB U308)) \$ 00001020
CRD NO...76 BWRDUC(30) = 0.0368, BWRDUC(121) = 0.0368 \$ 00001030
CRD NO...77 BWRIUC(30) = 0.0364, BWRIUC(121) = 0.0364 \$ 00001040
CRD NO...78 PWRDUC(30) = 0.0503, PWRDUC(121) = 0.0503 \$ 00001050
CRD NO...79 PWRIUC(30) = 0.0458, PWRIUC(121) = 0.0458 \$ 00001060
CRD NO...80 GCRDUC(30) = 0.0407, GCRDUC(121) = 0.0407 \$ 00001070
CRD NO...81 GCRIUC(30) = 0.0468, GCRIUC(121) = 0.0468 \$ 00001080
CRD NO...82 (BWR,PWR,HTGR URANIUM INVENTORY FACTORS)\$ 00001090
CRD NO...83 UINVEN(1)=1.50,1.50,1.50 \$ 00001100
CRD NO...84 (BWR,PWR,GCR URANIUM ENRICHMENTS -- WEIGHT PERCENT U235)\$ 00001110
CRD NO...85 EPNINT(1)=.93,.93,.0203 \$ 00001120
CRD NO...86 EPNRLD(1)=.93,.93,.0273 \$ 00001130
CRD NO...87 EPNOUT(1)=.002,.002,.008 \$ 00001140
CRD NO...88 (TAILS COMPOSITION - WT%U235)\$ 00001150
CRD NO...89 TAILS=0.20\$ 00001160
CRD NO...90 TAILSL=0.0001\$ 00001170
CRD NO...91 (FABRICATION CHARGES - MILLS/KWE-HRO)\$ 00001180
CRD NO...92 BWRFAB(30)=.537,BWRFAB(121)=.537 \$ 00001190
CRD NO...93 PWRFAB(30)=1.973,PWRFAB(121)=1.973 \$ 00001200
CRD NO...94 PURFAB(30)=2.025,PURFAB(121)=2.025 \$ 00001210
CRD NO...95 GCRFAB(30)=0.810,GCRFAB(121)=0.810 \$ 00001220
CRD NO...96 UIRFAB(30)=3.00,UIRFAB(121)=3.00 \$ 00001230
CRD NO...97 FBRFAB(30)=1.746,FBRFAB(121)=1.746 \$ 00001240
CRD NO...98 (RECOVERY CHARGES - MILLS/KWE-HRO)\$ 00001250
CRD NO...99 BWRREC(30)=0.1080,BWRREC(121)=0.1080 \$ 00001260
CRD NO...100 PWRREC(30)=1.978,PWRREC(121)=1.978 \$ 00001270
CRD NO...101 PURREC(30)=1.656,PURREC(121)=1.656 \$ 00001280

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CRD NO. 102 GCRREC(30)=1.03,GCRREC(121)=1.03 \$
CRD NO. 103 UIRREC(30)=1.03,UIRREC(121)=1.03 \$
CRD NO. 104 FBRREC(30)=1.353,FBRREC(121)=1.353 \$
CRD NO. 105 (OPERATING & MAINTENANCE COSTS - MILLS/KWE-HRO) \$
CRD NO. 106 FOSOM(30)=1.60,FOSOM(121)=1.60 \$
CRD NO. 107 BWRM(30)=2.12,BWRM(121)=2.12 \$
CRD NO. 108 PWROM(30)=2.12,PWROM(121)=2.12 \$
CRD NO. 109 PUROM(30)=2.12,PUROM(121)=2.12 \$
CRD NO. 110 GCROM(30)=2.12,GCROM(121)=2.12 \$
CRD NO. 111 UIROM(30)=2.12,UIROM(121)=2.12 \$
CRD NO. 112 FBROM(30)=2.12,FBROM(121)=2.12 \$
CRD NO. 113 (CAPITAL COSTS -- \$/KWE) \$
CRD NO. 114 FOCC(1) = 500.0 , 99999.0 , 99999.0 \$
CRD NO. 115 BWRCC(1)=660. , BWRCC(121)=660. \$
CRD NO. 116 PWRCC(1)=660. , PWRCC(121)=660. \$
CRD NO. 117 GCRCC(1)=600. , GCRCC(121)=600. \$
CRD NO. 118 FBRCC(1)=660. , FBRCC(121)=660. \$
CRD NO. 119 \$
CRD NO. 120 (ANNUAL INFLATION RATES - %/100) \$
CRD NO. 121 \$
CRD NO. 122 RATEML(20)=.06,RATEML(121)=.06 \$
CRD NO. 123 RATEM(20)=.06,RATEM(121)=.06 \$
CRD NO. 124 RATEFL(20)=.06,RATEFL(121)=.06 \$
CRD NO. 125 RATEG(1)=.06,RATEG(121)=.06 \$
CRD NO. 126 RATEN(20)=.06,RATEN(121)=.06 \$
CRD NO. 127 JTRIP=150 \$
CRD NO. 128 \$
CRD NO. 129 (MATERIAL AND LABOR SPLITS) \$
A-265 CRD NO. 130 \$
CRD NO. 131 FLBFAB=.1,FMBFAB=.9,FLBREC=.3,FMBREC=.2,FLBOM=1.0 \$
CRD NO. 132 FLBCC=1.0,FMBCC=0.00 \$
CRD NO. 133 FLFCC=1.0,FMFCC=0.00,FLFOM=1.0 \$
CRD NO. 134 FLLCC=1.0,FMLCC=0.00 \$
CRD NO. 135 FLLFAB=.61 ,FMLFAB=.39 ,FLLREC=.45,FMLREC=.3 ,FLLOM=1.0 \$
CRD NO. 136 FLLEC=.15 ,FMLEC=.55 ,FLLUC=.5,FMLUC=.4 \$
CRD NO. 137 FLPFAB=.4,FMPFAB=.6,FLPREC=.45,FMPREC=.3,FLPUOM=1.0 \$
CRD NO. 138 FLOCC=1.0,FMOCC=0.00 \$
CRD NO. 139 FLGFAB=.61 ,FMGFAB=.39 ,FLOREC=.45,FMOREC=.3 ,FLOOM=1.0 \$
CRD NO. 140 FLGEC=.15 ,FMGEC=.55 ,FLGUC=.5,FMGUC=.4 \$
CRD NO. 141 FLIFAB=.4,FMIFAB=.6,FLIREC=.45,FMIREC=.3,FLUOM=1.0 \$
CRD NO. 142 \$
CRD NO. 143 (ECONOMICS - INTEREST & DISCOUNT RATES - %/100) \$
CRD NO. 144 \$
CRD NO. 145 R=0.1024 \$
CRD NO. 146 DRWOTP=0.1236,DRWTP=0.1130 \$
CRD NO. 147 (EFFECTIVE INTEREST RATE PLUS TAXES) \$
CRD NO. 148 EINRPT=0.1556 \$
CRD NO. 149 FBRD30=0.0252 \$
CRD NO. 150 FBRI30=0.1187 \$
CRD NO. 151 FBRI30=0.1300 \$
CRD NO. 152 FBRDJB = 0.0193 , FBRIJB = 0.1288 \$
CRD NO. 153 (AVERAGE CAPITAL CHARGE RATE) \$

00001290
00001300
00001310
00001320
00001330
00001340
00001350
00001360
00001370
00001380
00001390
00001400
00001410
00001420
00001430
00001440
00001450
00001460
00001470
00001480
00001490
00001500
00001510
00001520
00001530
00001540
00001550
00001560
00001570
00001580
00001590
00001600
00001610
00001620
00001630
00001640
00001650
00001660
00001670
00001680
00001690
00001700
00001710
00001720
00001730
00001740
00001750
00001760
00001770
00001780
00001790
00001800

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CRD NO..154 AVECCR=0.1464 \$
CRD NO..155 ACCR30 = 0.1380 \$
CRD NO..156 (REGIONAL CAPITAL CHARGE RATE MULTIPLIERS)\$
CRD NO..157 CCR(1)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
CRD NO..158 CCR(10)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
CRD NO..159 CCR(19)=1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
CRD NO..160 \$
CRD NO..161 (MISCELLANEOUS INPUTS)\$
CRD NO..162 \$
CRD NO..163 A1=2.0,A3=0.5465 \$
CRD NO..164 (YR IN WHICH URAN RECYCLE BEGINS & TIME TO DEPLETION)\$
CRD NO..165 LFYUR =2010 , LTDURS = 1 \$
CRD NO..166 (YR IN WHICH PU RECYCLE BEGINS & TIME TO DEPLETION OF STOCKPILE)\$
CRD NO..167 LFYPUR = 2010 \$
CRD NO..168 LTDPUS = 4 \$
CRD NO..169 (YR OF GCR INTRO, YR U-233 RECYCLE BEGINS, YRS TO STOCK DEplete) \$
CRD NO..170 G1 = 2000. , LFYUIR = 1990 , LTDUIS = 10 \$
CRD NO..171 (FRACTION OF THE CAPITAL COST WHICH IS INTEREST DURING CONSTRUCTION)\$
CRD NO..172 CINDC = 0.0 \$
CRD NO..173 HTGRF = 0.00 \$
CRD NO..174 GCRLIM(1)=1.,2.,4.,6.,9.,12.,14.,16.,18.,20. \$
CRD NO..175 FBRLIM(1)=1.,2.,4.,6.,9.,12.,14.,16.,18.,20. \$
CRD NO..176 JB = 16 \$
CRD NO..177 NY = 2050 , LYEAR = 2020 , D1 = 2015. \$
CRD NO..178 IFIRST = 2001 \$
CRD NO..179 IBTOPW = 2005 \$
CRD NO..180 (CAPACITY FACTOR INFORMATION)\$
CRD NO..181 RL11 = 0.70 , RL21 = 0.80 , RL31 = 0.80 , RL61 = 0.70 \$
CRD NO..182 C(1)=1.0,C(6)=1.0,C(40)=.815,C(81)=.421,C(82)=0.0 \$
CRD NO..183 (BWR TO LWR FRACTION)\$
CRD NO..184 BWRLWR=1.00\$
CRD NO..185 NOUT(1)=1,3,1,1,1,1,1,0,0,0,1,0,1,1,1,1,0,0,1,0 \$
CRD NO..186 NOUT(21)=1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1 \$
DTA CALL NO.....2 INPUT EDITS

00001810
00001820
00001830
00001840
00001850
00001860
00001870
00001880
00001890
00001900
00001910
00001920
00001930
00001940
00001950
00001960
00001970
00001980
00001990
00002000
00002010
00002020
00002030
00002040
00002050
00002060
00002070
00002080
00002090
00002100
00002110
00002120
00002130

CRD NO...17 FOFC(1,12)= 1.728,1.,1. \$
 CRD NO...18 FOFC(1,13)= 0.475,1.,1. \$
 CRD NO...19 FOFC(1,14)= 0.765,1.,1. \$
 CRD NO...20 FOFC(1,15)= 0.765,1.,1. \$
 CRD NO...21 FOFC(1,16)= 0.990,1.,1. \$
 CRD NO...22 FOFC(1,17)= 0.237,1.,1. \$
 CRD NO...23 FOFC(1,18)= 0.237,1.,1. \$
 CRD NO...24 FOFC(1,19)= 0.581,1.,1. \$
 CRD NO...25 FOFC(1,20)= 1.003,1.,1. \$
 CRD NO...26 FOFC(1,21)= 0.396,1.,1. \$
 CRD NO...27 FOFC(1,22)= 0.396,1.,1. \$
 CRD NO...28 FOFC(1,23)= 1.346,1.,1. \$
 CRD NO...29 FOFC(1,24)= 1.346,1.,1. \$
 CRD NO...30 (FOSSIL FUEL ESCALATION RATES)\$
 CRD NO...31 FFER(1,30)=.01147,.01147,.01147 \$
 CRD NO...32 FFER(1,121)=.01147,.01147,.01147 \$
 CRD NO...33 (FOSSIL THERMAL EFFICIENCIES)
 CRD NO...34 FEFF(1) = 0.38 , 0.38 , 0.38 \$
 CRD NO...35 (NUCLEAR LABOR COST MULTIPLIERS BY REGION)\$
 CRD NO...36 LCMN(1) = 1.086,1.086,1.086,1.086,0.935,0.935,0.935,0.935,1.036,1.036 \$
 CRD NO...37 LCMN(11)=1.036,1.036,0.985,0.985,0.985,0.985,0.960,0.960,0.960,0.960 \$
 CRD NO...38 LCMN(21)= 0.998,0.998,0.998,0.998 \$
 CRD NO...39 (FOSSIL LABOR COST MULTIPLIERS BY REGION)\$
 CRD NO...40 LCMF(1) =1.072,1.072,1.072,1.072,0.936,0.936,0.936,0.936,1.030,1.030 \$
 CRD NO...41 LCMF(11)=1.030,1.030,1.001,1.001,1.001,1.001,0.959,0.959,0.959,0.959 \$
 CRD NO...42 LCMF(21)=0.857,0.857,0.857,0.857 \$
 CRD NO...43 (GROWTH RATES)\$
 CRD NO...44 GROW(20)=0.05,GROW(60)=0.05,GROW(61)=0.035,GROW(80)=0.035 \$
 CRD NO...45 GROW(81)=0.05
 CRD NO...46 RGROW(1)=0.852,0.852,0.852,0.852,1.239,1.239,1.239,1.239,0.936,0.936 \$
 CRD NO...47 RGROW(11)=0.936,0.936,0.937,0.937,0.937,0.937,1.239,1.239,1.239,1.239 \$
 CRD NO...48 RGROW(21)=1.014,1.014,1.014,1.014 \$
 CRD NO...49 (1975 REGIONAL INSTALLED CAPACITIES - MWE)\$
 CRD NO...50 CAPBY(1)=26109.,16038.,16039.,16411.,13729.,20190.,20190.,26650. \$
 CRD NO...51 CAPBY(9)=16931.,18744.,18745.,6047.,8134.,12426.,12426.,12200. \$
 CRD NO...52 CAPBY(17)=16304.,16304.,8454.,19323.,13802.,13802.,20703.,20703. \$\$
 00002300
 00002310
 00002320
 00002330
 00002340
 00002350
 00002360
 00002370
 00002380
 00002390
 00002400
 00002410
 00002420
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 00002500
 00002510
 00002520
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 00002560
 00002570
 00002580
 00002590
 00002600
 00002610
 00002620
 00002630
 00002640
 00002650

THE ABOVE CASE HAS BEEN SKIPPED (A1 IS GREATER THAN 1.0).

CRD NO....1 (CURRENT AVERAGE FOSSIL FUEL COST FOR EXISTING PLANTS - C/MBTU)\$
 CRD NO....2 CAFOFC = 90.0 \$
 CRD NO....3 (AVERAGE FOSSIL FUEL COSTS - COAL - OIL - GAS - CENTS/MBTU)\$
 CRD NO....4 AFOFC(1) = 100.0, 999999.0, 999999.0 \$
 CRD NO....5 (FOSSIL FUEL COST MULTIPLIERS - FOFC(I,J) - I=FUEL,J=REGION)\$
 CRD NO....6 FOFC(1,1) = 1.108,1.,1. \$
 CRD NO....7 FOFC(1,2) = 1.817,1.,1. \$
 CRD NO....8 FOFC(1,3) = 1.517,1.,1. \$
 CRD NO....9 FOFC(1,4) = 1.913,1.,1. \$
 CRD NO...10 FOFC(1,5) = 0.726,1.,1. \$
 CRD NO...11 FOFC(1,6) = 1.082,1.,1. \$
 CRD NO...12 FOFC(1,7) = 1.082,1.,1. \$
 CRD NO...13 FOFC(1,8) = 1.610,1.,1. \$
 CRD NO...14 FOFC(1,9) = 0.699,1.,1. \$
 CRD NO...15 FOFC(1,10) = 1.240,1.,1. \$
 CRD NO...16 FOFC(1,11) = 1.240,1.,1. \$

00002140
 00002150
 00002160
 00002170
 00002180
 00002190
 00002200
 00002210
 00002220
 00002230
 00002240
 00002250
 00002260
 00002270
 00002280
 00002290

START OF CASE (DTA CALL NO.....7

031479
 INPUT EDITS

CRD NO....1 (CASE # 3 , LWR AND 4021 - NO RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , IBTOPW = 2051 \$
 CRD NO....4 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 \$
 CRD NO....5 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 \$
 CRD NO....6 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 \$
 CRD NO....7 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 \$
 CRD NO....8 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 \$
 CRD NO....9 UIRREC(30) = 0.475 , UIRREC(121) = 0.475 \$
 CRD NO...10 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 \$
 CRD NO...11 LFYUIR = 2051 , LFYPUR = 2051 \$
 CRD NO...12 GCRSFI = 0.0 , CGUINV = 0.0 \$
 CRD NO...13 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO...14 EPNOUT(3) = 0.002 \$\$
 DTA CALL NO.....8 INPUT EDITS

00002880
 00002890
 00002900
 00002910
 00002920
 00002930
 00002940
 00002950
 00002960
 00002970
 00002980
 00002990
 00003000
 00003010

CRD NO....1 \$\$

NCCUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	861.8	773.8	640.1	0.	1972.88	1844.34	1041.29
2	1112.8	645.3	535.8	0.	1953.04	1788.41	1041.29
3	1101.1	652.4	539.3	0.	1941.02	1791.27	1041.29

00003020

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	0.	0.	16.0	171.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	0.	0.	17.0	188.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	0.	0.	18.0	206.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	0.	0.	19.0	225.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	0.	0.	20.0	244.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	0.	0.	20.5	265.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	0.	0.	21.0	286.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	0.	0.	22.0	308.	0.	0.
95	940.	34.9	609.	0.	0.	0.	0.	0.	0.	22.5	330.	0.	0.	22.5	330.	0.	0.
A-269 96	987.	37.5	633.	0.	0.	0.	0.	0.	0.	23.0	353.	0.	0.	23.0	353.	0.	0.
97	1036.	40.3	660.	0.	0.	0.	0.	0.	0.	23.5	376.	0.	0.	23.5	376.	0.	0.
98	1088.	43.3	688.	0.	0.	0.	0.	0.	0.	24.0	400.	0.	0.	24.0	400.	0.	0.
99	1142.	46.4	718.	0.	0.	0.	0.	0.	0.	24.5	423.	0.	0.	24.5	423.	0.	0.
00	1199.	49.8	753.	1.0	1.	0.	0.	1.0	1.	23.9	445.	0.	0.	23.9	445.	0.	0.
01	1241.	21.7	759.	2.0	3.	0.	0.	2.0	3.	36.9	478.	0.	0.	36.9	478.	0.	0.
02	1284.	23.5	766.	4.0	7.	0.	0.	4.0	7.	37.8	511.	0.	0.	37.8	511.	0.	0.
03	1328.	21.1	771.	6.0	13.	0.	0.	6.0	13.	41.0	543.	0.	0.	41.0	543.	0.	0.
04	1373.	25.8	783.	9.0	22.	0.	0.	9.0	22.	36.1	568.	0.	0.	36.1	568.	0.	0.
05	1419.	27.1	789.	12.0	34.	0.	0.	12.0	34.	34.9	597.	0.	0.	34.9	597.	0.	0.
06	1467.	28.4	795.	14.0	48.	0.	0.	14.0	48.	34.9	624.	0.	0.	34.9	624.	0.	0.
07	1516.	29.8	802.	16.0	64.	0.	0.	16.0	64.	35.1	651.	0.	0.	35.1	651.	0.	0.
08	1567.	27.8	812.	18.0	82.	0.	0.	18.0	82.	29.0	673.	0.	0.	29.0	673.	0.	0.
09	1620.	28.9	824.	20.0	102.	0.	0.	20.0	102.	28.7	693.	0.	0.	28.7	693.	0.	0.
10	1670.	30.0	837.	46.8	149.	0.	0.	46.8	149.	0.	684.	0.	0.	0.	684.	0.	0.
11	1722.	31.3	851.	48.7	198.	0.	0.	48.7	198.	0.	674.	0.	0.	0.	674.	0.	0.
12	1778.	41.0	874.	43.2	241.	0.	0.	43.2	241.	0.	663.	0.	0.	0.	663.	0.	0.
13	1835.	42.6	898.	44.8	286.	0.	0.	44.8	286.	0.	651.	0.	0.	0.	651.	0.	0.
14	1894.	44.4	923.	46.6	332.	0.	0.	46.6	332.	0.	638.	0.	0.	0.	638.	0.	0.
15	1955.	46.2	950.	48.4	381.	0.	0.	48.4	381.	0.	624.	0.	0.	0.	624.	0.	0.
16	2018.	48.1	978.	50.3	431.	0.	0.	50.3	431.	0.	609.	0.	0.	0.	609.	0.	0.
17	2083.	50.0	1007.	52.2	483.	0.	0.	52.2	483.	0.	593.	0.	0.	0.	593.	0.	0.
18	2151.	52.1	1037.	54.3	537.	0.	0.	54.3	537.	0.	576.	0.	0.	0.	576.	0.	0.
19	2221.	54.2	1068.	56.4	594.	0.	0.	56.4	594.	0.	558.	0.	0.	0.	558.	0.	0.
20	2293.	56.4	1101.	58.6	652.	0.	0.	58.6	652.	0.	539.	0.	0.	0.	539.	0.	0.
21	2246.	0.	1074.	0.	652.	0.	0.	0.	652.	0.	519.	0.	0.	0.	519.	0.	0.
22	2197.	0.	1046.	0.	652.	0.	0.	0.	652.	0.	499.	0.	0.	0.	499.	0.	0.
23	2145.	0.	1015.	0.	652.	0.	0.	0.	652.	0.	478.	0.	0.	0.	478.	0.	0.

[illegible]

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES													
	*****				*****												*****	
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS				
						FUEL O&M	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES	WITH PU	W/O PU		
77	11.45	5.18	0.	16.63	15.47	1.04	0.48	0.18	0.	0.	0.	0.	0.	0.	33.80	33.80		
78	19.44	9.17	0.	28.61	30.42	2.15	1.50	0.72	0.	0.	0.	0.	0.	0.	63.40	63.40		
79	26.96	13.58	0.	40.54	44.88	3.33	2.61	1.33	0.	0.	0.	0.	0.	0.	92.68	92.68		
80	34.26	18.11	0.	52.37	58.80	4.59	3.79	2.02	0.	0.	0.	0.	0.	0.	121.57	121.57		
81	41.26	22.86	0.	64.13	72.24	5.92	5.05	2.77	0.	0.	0.	0.	0.	0.	150.11	150.11		
82	48.00	27.80	0.	75.80	85.20	7.33	6.38	3.59	0.	0.	0.	0.	0.	0.	178.30	178.30		
83	54.51	32.87	0.	87.38	97.69	8.82	7.79	4.46	0.	0.	0.	0.	0.	0.	206.14	206.14		
84	60.82	38.06	0.	98.88	109.73	10.38	9.27	5.40	0.	0.	0.	0.	0.	0.	233.66	233.66		
85	66.95	43.33	0.	110.28	121.31	12.02	10.84	6.40	0.	0.	0.	0.	0.	0.	260.85	260.85		
86	72.94	48.66	0.	121.59	132.47	13.73	12.48	7.44	0.	0.	0.	0.	0.	0.	287.71	287.71		
87	78.79	54.02	0.	132.81	143.22	15.51	14.19	8.51	0.	0.	0.	0.	0.	0.	314.24	314.24		
88	84.53	59.39	0.	143.93	153.54	17.35	15.98	9.62	0.	0.	0.	0.	0.	0.	340.42	340.42		
89	90.19	64.76	0.	154.94	163.46	19.26	17.85	10.76	0.	0.	0.	0.	0.	0.	366.26	366.26		
90	95.76	70.10	0.	165.86	172.99	21.22	19.78	11.92	0.	0.	0.	0.	0.	0.	391.79	391.79		
91	101.65	75.41	0.	177.06	182.15	23.24	21.79	13.11	0.	0.	0.	0.	0.	0.	417.35	417.35		
92	107.62	80.54	0.	188.16	190.94	25.30	23.84	14.32	0.	0.	0.	0.	0.	0.	442.56	442.56		
93	113.67	85.50	0.	199.17	199.40	27.39	25.92	15.54	0.	0.	0.	0.	0.	0.	467.43	467.43		
94	119.70	90.40	0.	210.11	207.55	29.52	28.03	16.78	0.	0.	0.	0.	0.	0.	491.98	491.98		
95	125.82	95.13	0.	220.96	215.39	31.67	30.17	18.02	0.	0.	0.	0.	0.	0.	516.21	516.21		
96	132.02	99.70	0.	231.72	222.95	33.84	32.33	19.27	0.	0.	0.	0.	0.	0.	540.12	540.12		
97	138.31	104.09	0.	242.40	230.30	36.02	34.51	20.52	0.	0.	0.	0.	0.	0.	563.75	563.75		
98	144.67	108.33	0.	253.00	237.43	38.21	36.70	21.76	0.	0.	0.	0.	0.	0.	587.10	587.10		
99	151.11	112.41	0.	263.52	244.37	40.40	38.93	23.00	0.	0.	0.	0.	0.	0.	610.21	610.21		
00	157.62	116.33	0.	273.95	251.17	42.57	41.24	24.24	0.	0.	0.	0.	0.	0.	633.17	633.17		
01	160.31	122.12	0.	282.42	257.56	44.78	43.90	25.55	0.	0.	0.	0.	0.	0.	654.22	654.22		
02	163.05	128.02	0.	291.07	263.54	47.02	46.76	26.90	0.	0.	0.	0.	0.	0.	675.30	675.30		
03	165.37	134.30	0.	299.67	269.15	49.29	49.86	28.29	0.	0.	0.	0.	0.	0.	696.27	696.27		
04	168.05	140.03	0.	308.08	274.46	51.56	53.09	29.67	0.	0.	0.	0.	0.	0.	716.86	716.86		
05	170.70	145.68	0.	316.37	279.41	53.85	56.47	31.06	0.	0.	0.	0.	0.	0.	737.16	737.16		
06	173.31	151.25	0.	324.56	284.01	56.14	60.05	32.46	0.	0.	0.	0.	0.	0.	757.23	757.23		
07	175.91	156.75	0.	332.66	288.39	58.44	63.74	33.84	0.	0.	0.	0.	0.	0.	777.07	777.07		
08	178.19	161.57	0.	339.75	292.59	60.73	67.62	35.21	0.	0.	0.	0.	0.	0.	795.89	795.89		
09	180.43	166.28	0.	346.70	296.61	62.99	71.74	36.57	0.	0.	0.	0.	0.	0.	814.62	814.62		
10	182.62	170.80	0.	353.42	300.48	65.23	75.99	37.95	0.	0.	0.	0.	0.	0.	833.07	833.07		
11	184.78	175.23	0.	360.00	304.19	67.43	80.73	39.33	0.	0.	0.	0.	0.	0.	851.68	851.68		
12	187.44	178.93	0.	366.38	307.84	69.57	85.82	40.68	0.	0.	0.	0.	0.	0.	870.27	870.27		
13	190.06	182.57	0.	372.63	311.42	71.66	91.32	42.00	0.	0.	0.	0.	0.	0.	889.03	889.03		
14	192.63	186.13	0.	378.76	314.98	73.70	97.22	43.31	0.	0.	0.	0.	0.	0.	907.94	907.94		
15	195.15	189.61	0.	384.77	318.44	75.68	103.51	44.60	0.	0.	0.	0.	0.	0.	926.99	926.99		

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																945.95	945.95
16	197.63	193.03	0.	390.66	321.87	77.61	109.92	45.65	0.	0.	0.	0.	0.	0.	0.	964.71	964.71
17	200.06	196.39	0.	396.45	325.25	79.50	116.38	47.14	0.	0.	0.	0.	0.	0.	0.	983.13	983.13
18	202.45	199.67	0.	402.12	328.59	81.33	122.72	48.37	0.	0.	0.	0.	0.	0.	0.	1001.21	1001.21
19	204.79	202.90	0.	407.69	331.88	83.11	128.93	49.59	0.	0.	0.	0.	0.	0.	0.	1018.98	1018.98
20	207.10	206.06	0.	413.15	335.14	84.85	135.04	50.79	0.	0.	0.	0.	0.	0.	0.		
21	207.10	206.06	0.	413.15	338.18	86.46	140.13	51.79	0.	0.	0.	0.	0.	0.	0.	1029.71	1029.71
22	207.10	206.06	0.	413.15	340.99	87.95	144.88	52.72	0.	0.	0.	0.	0.	0.	0.	1039.70	1039.70
23	207.10	206.06	0.	413.15	343.60	89.33	149.31	53.58	0.	0.	0.	0.	0.	0.	0.	1048.98	1048.98
24	207.10	206.06	0.	413.15	346.00	90.60	153.43	54.38	0.	0.	0.	0.	0.	0.	0.	1057.57	1057.57
25	207.10	206.06	0.	413.15	348.21	91.78	157.26	55.12	0.	0.	0.	0.	0.	0.	0.	1065.52	1065.52
26	207.10	206.06	0.	413.15	350.23	92.87	160.81	55.81	0.	0.	0.	0.	0.	0.	0.	1072.87	1072.87
27	207.10	206.06	0.	413.15	352.07	93.87	164.09	56.44	0.	0.	0.	0.	0.	0.	0.	1079.63	1079.63
28	207.10	206.06	0.	413.15	353.73	94.79	167.13	57.03	0.	0.	0.	0.	0.	0.	0.	1085.83	1085.83
29	207.10	206.06	0.	413.15	355.21	95.64	169.93	57.57	0.	0.	0.	0.	0.	0.	0.	1091.50	1091.50
30	207.10	206.06	0.	413.15	356.52	96.42	172.52	58.07	0.	0.	0.	0.	0.	0.	0.	1096.68	1096.68
31	207.10	206.06	0.	413.15	357.75	97.12	174.75	58.52	0.	0.	0.	0.	0.	0.	0.	1101.29	1101.29
32	207.10	206.06	0.	413.15	358.88	97.75	176.74	58.92	0.	0.	0.	0.	0.	0.	0.	1105.44	1105.44
33	207.10	206.06	0.	413.15	359.93	98.31	178.48	59.28	0.	0.	0.	0.	0.	0.	0.	1109.14	1109.14
34	207.10	206.06	0.	413.15	360.91	98.82	180.00	59.60	0.	0.	0.	0.	0.	0.	0.	1112.48	1112.48
35	207.10	206.06	0.	413.15	361.80	99.26	181.34	59.89	0.	0.	0.	0.	0.	0.	0.	1115.44	1115.44
36	207.10	206.06	0.	413.15	362.62	99.65	182.49	60.14	0.	0.	0.	0.	0.	0.	0.	1118.05	1118.05
37	207.10	206.06	0.	413.15	363.37	99.99	183.46	60.36	0.	0.	0.	0.	0.	0.	0.	1120.33	1120.33
38	207.10	206.06	0.	413.15	364.06	100.29	184.30	60.56	0.	0.	0.	0.	0.	0.	0.	1122.36	1122.36
39	207.10	206.06	0.	413.15	364.68	100.54	185.00	60.73	0.	0.	0.	0.	0.	0.	0.	1124.11	1124.11
40	207.10	206.06	0.	413.15	365.25	100.76	185.64	60.87	0.	0.	0.	0.	0.	0.	0.	1125.68	1125.68
41	207.10	206.06	0.	413.15	365.77	100.95	186.17	60.99	0.	0.	0.	0.	0.	0.	0.	1127.03	1127.03
42	207.10	206.06	0.	413.15	366.21	101.11	186.62	61.09	0.	0.	0.	0.	0.	0.	0.	1128.19	1128.19
43	207.10	206.06	0.	413.15	366.59	101.25	186.98	61.17	0.	0.	0.	0.	0.	0.	0.	1129.15	1129.15
44	207.10	206.06	0.	413.15	366.90	101.36	187.26	61.24	0.	0.	0.	0.	0.	0.	0.	1129.92	1129.92
45	207.10	206.06	0.	413.15	367.15	101.45	187.47	61.29	0.	0.	0.	0.	0.	0.	0.	1130.51	1130.51
46	207.10	206.06	0.	413.15	367.35	101.52	187.60	61.32	0.	0.	0.	0.	0.	0.	0.	1130.95	1130.95
47	207.10	206.06	0.	413.15	367.50	101.57	187.67	61.34	0.	0.	0.	0.	0.	0.	0.	1131.23	1131.23
48	207.10	206.06	0.	413.15	367.59	101.60	187.67	61.35	0.	0.	0.	0.	0.	0.	0.	1131.36	1131.36
49	207.10	206.06	0.	413.15	367.64	101.61	187.67	61.35	0.	0.	0.	0.	0.	0.	0.	1131.42	1131.42
50	207.10	206.06	0.	413.15	367.64	101.61	187.67	61.35	0.00	0.	0.	0.	0.	0.	0.	1131.42	1131.42

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PAGE 1

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 4 , LWR AND 4021 - WITH RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO....4 D1 = 2051.0 , IBTOPW = 2051 , LFYUIR = 2051 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003040
 00003050
 00003060
 00003070

CRD NO....1 \$\$

00003080

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	744.4	872.1	644.9	0.	1894.04	1578.51	1041.29
2	938.3	735.1	607.6	0.	1632.56	1402.47	1041.29
3	938.3	735.1	607.6	0.	1591.57	1402.47	1041.29
4	931.5	735.1	614.4	0.	1568.00	1413.22	1041.29

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	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
***** (T H O U S A N D S O F M W) *****																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.8	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	263.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	58.	14.7	252.	0.	0.
95	940.	34.9	609.	0.	0.	0.	0.	0.	0.	22.5	330.	17.5	64.	14.8	266.	0.	0.
96	987.	37.5	633.	0.	0.	0.	0.	0.	0.	23.0	353.	18.5	68.	18.6	285.	0.	0.
97	1036.	40.3	660.	0.	0.	0.	0.	0.	0.	23.5	376.	21.6	74.	17.4	301.	0.	0.
98	1088.	43.3	688.	0.	0.	0.	0.	0.	0.	24.0	400.	23.3	81.	17.2	319.	0.	0.
99	1142.	46.4	718.	0.	0.	0.	0.	0.	0.	24.5	423.	24.7	88.	17.3	335.	0.	0.
00	1199.	49.8	753.	1.0	1.	0.	0.	1.0	1.	23.9	445.	26.1	96.	16.3	349.	0.	0.
01	1241.	15.7	753.	2.0	3.	0.	0.	2.0	3.	42.9	484.	27.5	102.	36.9	383.	0.	0.
02	1284.	17.0	753.	4.0	7.	0.	0.	4.0	7.	44.3	523.	29.8	108.	37.8	415.	0.	0.
03	1328.	15.4	753.	6.0	13.	0.	0.	6.0	13.	46.7	561.	32.5	116.	38.9	445.	0.	0.
04	1373.	16.2	755.	9.0	22.	0.	0.	9.0	22.	45.8	596.	35.0	125.	36.9	471.	0.	0.
05	1419.	17.0	751.	12.0	34.	0.	0.	12.0	34.	45.0	634.	37.3	135.	35.2	500.	0.	0.
06	1467.	17.8	746.	14.0	48.	0.	0.	14.0	48.	45.5	673.	39.4	144.	35.9	529.	0.	0.
07	1516.	18.7	742.	16.0	64.	0.	0.	16.0	64.	46.1	710.	42.2	154.	36.5	557.	0.	0.
08	1567.	20.1	745.	18.0	82.	0.	0.	18.0	82.	36.7	740.	45.1	164.	26.5	576.	0.	0.
09	1620.	21.0	749.	20.0	102.	0.	0.	20.0	102.	36.6	768.	47.9	175.	26.1	594.	0.	0.
10	1670.	25.9	758.	50.5	152.	0.2	0.	50.3	152.	0.	759.	50.1	185.	0.	574.	0.	0.
11	1722.	31.3	771.	48.7	201.	0.2	0.	48.5	201.	0.	749.	52.2	195.	0.	554.	0.	0.
12	1776.	32.5	786.	50.6	252.	0.2	1.	50.4	251.	0.	738.	52.5	203.	0.	536.	0.	0.
13	1832.	33.8	801.	52.6	304.	0.2	1.	52.4	304.	0.	726.	52.9	208.	0.	519.	0.	0.
14	1890.	35.2	817.	54.6	359.	0.	1.	54.8	358.	0.	713.	53.4	211.	0.	502.	0.	0.
15	1950.	36.6	834.	56.8	416.	0.1	0.	56.9	415.	0.	699.	53.6	212.	0.	487.	0.	0.
16	2011.	38.1	852.	59.0	475.	0.1	0.	59.1	474.	0.	684.	53.8	214.	0.	471.	0.	0.
17	2075.	39.6	871.	61.3	536.	0.1	0.	61.4	538.	0.	668.	53.1	214.	0.	455.	0.	0.
18	2142.	41.2	890.	63.8	600.	0.1	0.	63.7	599.	0.	651.	52.5	213.	0.9	438.	0.	0.
19	2210.	42.9	911.	66.3	666.	0.	0.	66.4	666.	0.	633.	51.8	211.	1.8	422.	0.	0.
20	2281.	44.7	932.	68.9	735.	0.	0.	69.1	735.	0.	614.	51.1	208.	2.7	406.	0.	0.
21	2234.	0.	905.	0.	735.	0.	0.	0.1	735.	0.	594.	50.3	206.	2.8	389.	0.	0.
22	2185.	0.	876.	0.	735.	0.	0.	0.1	735.	0.	574.	49.1	202.	3.4	372.	0.	0.
23	2134.	0.	846.	0.	735.	0.	0.	0.	735.	0.	553.	47.8	198.	4.0	355.	0.	0.

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24	2079.	0.	813.	0.	735.	0.	0.	0.	735.	0.	531.	46.6	194.	4.5	337.	0.	0.
25	2022.	0.	778.	0.	735.	0.	0.	0.	735.	0.	508.	45.3	189.	5.0	320.	0.	0.
26	1961.	0.	741.	0.	735.	0.	0.	0.	735.	0.	485.	43.9	184.	5.2	302.	0.	0.
27	1897.	0.	700.	0.	735.	0.	0.	0.	735.	0.	462.	42.4	178.	5.5	284.	0.	0.
28	1830.	0.	657.	0.	735.	0.	0.	0.	735.	0.	438.	40.8	172.	5.8	266.	0.	0.
29	1759.	0.	611.	0.	735.	0.	0.	0.	735.	0.	413.	39.1	166.	6.1	247.	0.	0.
30	1684.	0.	561.	0.	734.	0.	0.	0.	734.	0.	390.	37.5	160.	6.4	230.	0.	0.
31	1624.	0.	545.	0.	732.	0.	0.	0.	732.	0.	347.	35.8	153.	6.5	193.	0.	0.
32	1559.	0.	528.	0.	728.	0.	0.	0.	728.	0.	302.	34.1	147.	6.7	156.	0.	0.
33	1490.	0.	513.	0.	722.	0.	0.	0.	722.	0.	256.	31.3	139.	7.8	117.	0.	0.
34	1419.	0.	498.	0.	713.	0.	0.	0.	713.	0.	210.	28.5	130.	9.0	80.	0.	0.
35	1345.	0.	479.	0.	701.	0.	0.	0.	701.	0.	165.	25.5	119.	10.3	45.	0.	0.
36	1268.	0.	462.	0.	687.	0.	0.	0.	687.	0.	119.	22.7	108.	11.4	11.	0.	0.
37	1187.	0.	443.	0.	671.	0.	0.	0.	671.	0.	73.	-3.4	73.	11.4	0.	0.	0.
38	1112.	0.	423.	0.	653.	0.	0.	0.	653.	0.	37.	-8.2	37.	0.	0.	0.	0.
39	1035.	0.	402.	0.	633.	0.	0.	0.	633.	0.	-0.	-11.1	-0.	0.	0.	0.	0.
40	959.	0.	376.	0.	583.	0.	0.	0.	583.	0.	-0.	22.7	-0.	0.	0.	0.	0.
41	879.	0.	345.	0.	534.	0.	0.	0.	534.	0.	-0.	-3.4	-0.	0.	0.	0.	0.
42	796.	0.	312.	0.	483.	0.	0.	0.	483.	0.	-0.	-8.2	-0.	0.	0.	0.	0.
43	709.	0.	278.	0.	431.	0.	0.	0.	431.	0.	-0.	-11.1	-0.	0.	0.	0.	0.
44	619.	0.	243.	0.	376.	0.	0.	0.	376.	0.	-0.	22.7	-0.	0.	0.	0.	0.
45	526.	0.	207.	0.	319.	0.	0.	0.	319.	0.	-0.	-3.4	-0.	0.	0.	0.	0.
46	429.	0.	168.	0.	260.	0.	0.	0.	260.	0.	-0.	-8.2	-0.	0.	0.	0.	0.
47	328.	0.	129.	0.	199.	0.	0.	0.	199.	0.	-0.	-11.1	-0.	0.	0.	0.	0.
48	223.	0.	88.	0.	135.	0.	0.	0.	135.	0.	-0.	22.7	-0.	0.	0.	0.	0.
49	114.	0.	45.	0.	69.	0.	0.	0.	69.	0.	-0.	-3.4	-0.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.	-8.2	-0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES										
	*****				*****										
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR					FBR				TOTALS
						FABRICATION	URANIUM	SEP	WK	PU	FABRICATION	PU	PU	WITH	
	*****	*****	*****	*****	*****	RECOVERY	FEED			SALES	RECOVERY	SALES	PURCHASES	PU	W*O
						O&M	O&M				O&M				PU
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	33.96	33.96
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	63.59	63.59
79	26.96	13.58	0.	40.54	44.86	3.87	2.30	1.31	0.	0.	0.	0.	0.	92.88	92.88
80	34.26	18.11	0.	52.37	58.80	5.33	3.31	1.99	0.	0.	0.	0.	0.	121.79	121.79
81	41.26	22.86	0.	64.13	72.24	6.88	4.37	2.73	0.	0.	0.	0.	0.	150.34	150.34
82	48.00	27.80	0.	75.80	85.20	8.52	5.50	3.52	0.	0.	0.	0.	0.	178.54	178.54
83	54.51	32.87	0.	87.38	97.69	10.24	6.70	4.38	0.	0.	0.	0.	0.	206.39	206.39
84	60.82	38.06	0.	98.88	109.73	12.08	7.95	5.30	0.	0.	0.	0.	0.	233.91	233.91
85	66.95	43.33	0.	110.28	121.31	13.96	9.26	6.28	0.	0.	0.	0.	0.	261.10	261.10
86	72.94	48.66	0.	121.59	132.44	15.95	10.83	7.29	0.19	0.19	0.	0.	0.	287.92	287.92
87	78.79	54.02	0.	132.81	143.14	18.07	11.81	8.23	0.39	0.39	0.	0.	0.	314.06	314.06
88	84.53	59.39	0.	143.93	153.41	20.31	12.99	9.15	0.59	0.59	0.	0.	0.	339.80	339.80
89	90.19	64.76	0.	154.94	163.28	22.68	14.18	10.07	0.79	0.79	0.	0.	0.	365.15	365.15
90	95.76	70.10	0.	165.86	172.77	25.15	15.38	10.98	0.99	0.99	0.	0.	0.	390.14	390.14
91	101.65	75.41	0.	177.06	181.89	27.68	16.78	11.98	1.27	1.27	0.	0.	0.	415.39	415.39
92	107.62	80.54	0.	188.16	190.61	30.29	18.12	12.96	1.57	1.57	0.	0.	0.	440.14	440.14
93	113.67	85.50	0.	199.17	198.98	32.95	19.46	13.93	1.87	1.87	0.	0.	0.	464.49	464.49
94	119.70	90.40	0.	210.11	207.01	35.67	20.80	14.89	2.17	2.17	0.	0.	0.	488.48	488.48
95	125.82	95.13	0.	220.96	214.71	38.44	22.14	15.85	2.48	2.48	0.	0.	0.	512.10	512.10
96	132.02	99.70	0.	231.72	222.11	41.23	23.54	16.84	2.81	2.81	0.	0.	0.	535.44	535.44
97	138.31	104.09	0.	242.40	229.24	44.04	24.82	17.81	3.16	3.16	0.	0.	0.	558.41	558.41
98	144.67	108.33	0.	253.00	236.11	46.87	26.28	18.77	3.51	3.51	0.	0.	0.	581.02	581.02
99	151.11	112.41	0.	263.52	242.73	49.71	27.63	19.72	3.86	3.86	0.	0.	0.	603.30	603.30
00	157.62	116.33	0.	273.95	249.16	52.53	28.96	20.66	4.21	4.21	0.	0.	0.	625.26	625.26
01	159.57	123.01	0.	282.57	255.12	55.43	30.61	21.73	4.57	4.57	0.	0.	0.	645.47	645.47
02	161.55	129.82	0.	291.37	260.63	58.40	32.32	22.85	4.94	4.94	0.	0.	0.	665.56	665.56
03	163.25	136.85	0.	300.10	265.71	61.42	34.09	24.00	5.33	5.33	0.	0.	0.	685.32	685.32
04	164.93	143.78	0.	308.70	270.41	64.48	35.96	25.18	5.74	5.74	0.	0.	0.	704.73	704.73
05	166.59	150.61	0.	317.20	274.68	67.59	37.92	26.36	6.17	6.17	0.	0.	0.	723.75	723.75
06	168.23	157.35	0.	325.58	278.54	70.75	40.00	27.58	6.64	6.64	0.	0.	0.	742.45	742.45
07	169.86	164.01	0.	333.87	282.11	73.93	42.13	28.79	7.13	7.13	0.	0.	0.	760.82	760.82
08	171.51	169.57	0.	341.09	285.47	77.11	44.25	29.97	7.65	7.65	0.	0.	0.	777.89	777.89
09	173.14	175.02	0.	348.16	288.63	80.28	46.45	31.16	8.20	8.20	0.	0.	0.	794.68	794.68
10	175.03	179.89	0.	354.92	291.64	83.39	48.64	32.40	8.76	8.76	0.	0.	0.	810.99	810.99
11	177.19	184.32	0.	361.51	294.54	86.42	50.87	33.63	9.33	9.33	0.	0.	0.	826.96	826.96
12	179.30	188.66	0.	367.97	297.34	89.38	53.16	34.84	9.89	9.89	0.	0.	0.	842.69	842.69
13	181.38	192.92	0.	374.30	300.04	92.26	55.57	36.06	10.45	10.45	0.	0.	0.	858.22	858.22
14	183.41	197.10	0.	380.51	302.65	95.05	58.10	37.27	11.03	11.03	0.	0.	0.	873.58	873.58
15	185.41	201.19	0.	386.60	305.18	97.76	60.75	38.49	11.61	11.61	0.	0.	0.	888.80	888.80

A-276

6	38	20	).	12.5	107.	100	6	20	2.2	0.						
17	189.30	209.14	0.	398.44	310.01	102.94	67.03	40.92	12.82	12.83	0.	0.	0.	0.	104....	91....
18	191.19	213.00	0.	404.20	312.33	105.42	70.74	42.15	13.47	13.48	0.	0.	0.	0.	919.36	919.35
19	193.05	216.79	0.	409.84	314.58	107.81	74.83	43.37	14.14	14.15	0.	0.	0.	0.	934.83	934.82
20	194.88	220.50	0.	415.38	316.76	110.14	79.31	44.59	14.82	14.84	0.	0.	0.	0.	950.44	950.43
21	194.88	220.50	0.	415.38	318.78	112.29	83.12	45.58	15.52	15.53	0.	0.	0.	0.	966.19	966.18
22	194.88	220.50	0.	415.38	320.62	114.29	86.91	46.50	16.21	16.22	0.	0.	0.	0.	975.16	975.14
23	194.88	220.50	0.	415.38	322.31	116.14	90.53	47.37	16.86	16.88	0.	0.	0.	0.	983.72	983.70
24	194.88	220.50	0.	415.38	323.85	117.65	93.94	48.17	17.46	17.48	0.	0.	0.	0.	991.75	991.73
25	194.88	220.50	0.	415.38	325.24	119.43	97.14	48.92	18.01	18.04	0.	0.	0.	0.	999.21	999.19
26	194.88	220.50	0.	415.38	326.49	120.89	100.09	49.62	18.53	18.55	0.	0.	0.	0.	1006.13	1006.11
27	194.88	220.50	0.	415.38	327.61	122.24	102.87	50.26	18.99	19.02	0.	0.	0.	0.	1012.49	1012.47
28	194.88	220.50	0.	415.38	328.60	123.48	105.48	50.67	19.42	19.45	0.	0.	0.	0.	1018.38	1018.36
29	194.88	220.50	0.	415.38	329.45	124.62	107.92	51.43	19.81	19.84	0.	0.	0.	0.	1023.82	1023.79
30	194.88	220.50	0.	415.38	330.19	125.66	110.20	51.95	20.17	20.19	0.	0.	0.	0.	1028.81	1028.79
31	194.88	220.50	0.	415.38	330.87	126.61	112.13	52.41	20.49	20.51	0.	0.	0.	0.	1033.40	1033.38
32	194.88	220.50	0.	415.38	331.51	127.45	113.86	52.83	20.77	20.79	0.	0.	0.	0.	1037.42	1037.40
33	194.88	220.50	0.	415.38	332.10	128.20	115.41	53.21	21.01	21.04	0.	0.	0.	0.	1041.06	1041.03
34	194.88	220.50	0.	415.38	332.66	128.87	116.81	53.55	21.22	21.24	0.	0.	0.	0.	1044.33	1044.31
35	194.88	220.50	0.	415.38	333.19	129.45	118.05	53.86	21.39	21.42	0.	0.	0.	0.	1047.29	1047.27
36	194.88	220.50	0.	415.38	333.68	129.96	119.15	54.13	21.54	21.56	0.	0.	0.	0.	1049.95	1049.93
37	194.88	220.50	0.	415.38	334.14	130.38	120.10	54.37	21.82	21.84	0.	0.	0.	0.	1052.32	1052.30
38	194.88	220.50	0.	415.38	334.56	130.74	120.91	54.58	22.23	22.25	0.	0.	0.	0.	1054.39	1054.37
39	194.88	220.50	0.	415.38	334.95	131.03	121.65	54.78	22.77	22.79	0.	0.	0.	0.	1056.19	1056.17
40	194.88	220.50	0.	415.38	335.30	131.29	122.34	54.94	23.21	23.23	0.	0.	0.	0.	1057.80	1057.78
A-277	41	194.88	220.50	0.	415.38	335.61	131.51	122.83	55.09	23.64	23.67	0.	0.	0.	1059.27	1059.25
42	194.88	220.50	0.	415.38	335.87	131.70	123.42	55.20	24.07	24.10	0.	0.	0.	0.	1060.53	1060.51
43	194.88	220.50	0.	415.38	336.10	131.86	123.82	55.30	24.50	24.53	0.	0.	0.	0.	1061.60	1061.57
44	194.88	220.50	0.	415.38	336.29	131.99	124.12	55.38	24.86	24.89	0.	0.	0.	0.	1062.47	1062.45
45	194.88	220.50	0.	415.38	336.44	132.09	124.34	55.44	25.21	25.23	0.	0.	0.	0.	1063.17	1063.15
46	194.88	220.50	0.	415.38	336.56	132.17	124.49	55.48	25.55	25.58	0.	0.	0.	0.	1063.71	1063.69
47	194.88	220.50	0.	415.38	336.64	132.23	124.56	55.50	25.90	25.92	0.	0.	0.	0.	1064.09	1064.07
48	194.88	220.50	0.	415.38	336.70	132.27	124.56	55.51	26.18	26.21	0.	0.	0.	0.	1064.33	1064.31
49	194.88	220.50	0.	415.38	336.72	132.29	124.56	55.51	26.46	26.48	0.	0.	0.	0.	1064.43	1064.41
50	194.88	220.50	0.	415.38	336.72	132.29	124.56	55.51	26.73	26.75	0.	0.	0.	0.	1064.48	1064.46

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 5 , LWR , 4021 , PB AND NB - WITH RECYCLE)\$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO....4 IBTOPW = 2010 \$
 CRD NO....5 D1 = 2051.0 , LFYUIR = 2010 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003100
 00003110
 00003120
 00003130
 00003140

CRD NO....1 \$\$

00003150

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	773.7	775.3	726.2	0.	1743.83	1608.08	1041.29
2	1064.8	412.1	850.2	0.	1867.18	1440.23	1041.29
3	1038.9	415.7	872.0	0.	1623.31	1455.89	1041.29
4	989.8	415.7	921.2	0.	1600.55	1469.91	1041.29

UNIT	NEW	INST	NEW	INST	NEW	INST	NEW	INST	NEW	INST	NEW	INST	NEW	INST	NEW	INST	NEW	INST
THERM	FOS	FOS	GCR	GCR	RECYC	RECYC	UFUEL	UFUEL	LWR	LWR	RECYC	RECYC	UFUEL	UFUEL	FAST	FAST		
					GCR	GCR	GCR	GCR			LWR	LWR	LWR	LWR				
(T H O U S A N D S O F M W)																		
77	390.	22.9	335.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.		
78	410.	16.9	347.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.		
79	430.	16.9	359.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.		
80	452.	17.4	372.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.		
81	475.	17.7	384.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.		
82	498.	18.0	397.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.		
83	523.	18.5	410.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.		
84	549.	19.0	423.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.		
85	577.	19.6	437.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.		
86	606.	20.2	450.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.		
87	636.	21.0	465.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.		
88	668.	21.8	480.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.		
89	701.	22.7	495.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.		
90	736.	23.8	511.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.		
91	773.	26.6	528.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.		
92	812.	28.6	546.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.		
93	852.	30.7	566.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.		
94	895.	32.5	587.	0.	0.	0.	0.	0.	22.0	308.	16.5	58.	14.7	252.	0.	0.		
95	940.	34.9	609.	0.	0.	0.	0.	0.	22.5	330.	17.5	64.	14.8	266.	0.	0.		
A-279	96	987.	37.5	633.	0.	0.	0.	0.	23.0	353.	18.5	68.	18.6	285.	0.	0.		
97	1036.	40.3	660.	0.	0.	0.	0.	0.	23.5	376.	21.6	74.	17.4	301.	0.	0.		
98	1088.	43.3	688.	0.	0.	0.	0.	0.	24.0	400.	23.3	81.	17.2	319.	0.	0.		
99	1142.	46.4	718.	0.	0.	0.	0.	0.	24.5	423.	24.7	88.	17.3	335.	0.	0.		
00	1199.	49.8	753.	1.0	1.	0.	0.	1.0	23.9	445.	26.1	96.	16.3	349.	0.	0.		
01	1241.	15.7	753.	2.0	3.	0.	0.	2.0	42.9	484.	27.5	102.	36.9	383.	0.	0.		
02	1284.	17.0	753.	4.0	7.	0.	0.	4.0	44.3	523.	29.8	108.	37.8	415.	0.	0.		
03	1328.	15.4	753.	6.0	13.	0.	0.	6.0	46.7	561.	32.5	116.	38.9	445.	0.	0.		
04	1373.	16.2	755.	9.0	22.	0.	0.	9.0	45.8	596.	35.0	125.	36.9	471.	0.	0.		
05	1419.	17.0	751.	12.0	34.	0.	0.	12.0	45.0	634.	37.3	135.	35.2	500.	0.	0.		
06	1467.	17.8	746.	14.0	48.	0.	0.	14.0	45.5	673.	39.4	144.	35.9	529.	0.	0.		
07	1516.	18.7	742.	16.0	64.	0.	0.	16.0	46.1	710.	42.2	154.	36.5	557.	0.	0.		
08	1567.	20.1	745.	18.0	82.	0.	0.	18.0	36.7	740.	45.1	164.	26.5	576.	0.	0.		
09	1620.	24.9	753.	20.0	102.	0.	0.	20.0	32.7	764.	47.9	175.	22.1	590.	0.	0.		
10	1670.	25.9	762.	50.5	152.	0.2	0.	50.3	0.	755.	50.1	185.	0.	570.	0.	0.		
11	1722.	31.3	775.	48.7	201.	0.2	0.	48.5	0.	745.	51.9	195.	0.	550.	0.	0.		
12	1776.	32.5	790.	50.6	252.	0.2	1.	50.4	0.	734.	52.3	202.	0.	532.	0.	0.		
13	1832.	33.8	805.	52.6	304.	0.2	1.	52.4	0.	722.	52.7	207.	0.	515.	0.	0.		
14	1890.	35.2	821.	54.6	359.	0.	1.	54.8	0.	709.	53.2	210.	0.	499.	0.	0.		
15	1950.	36.6	838.	56.8	416.	0.1	0.	56.9	0.	695.	53.4	212.	0.	484.	0.	0.		
16	2020.	48.1	866.	0.	416.	0.1	0.	0.0	57.5	738.	53.5	213.	56.3	525.	0.	0.		
17	2093.	50.0	895.	0.	416.	0.1	0.	0.0	59.7	782.	52.8	213.	59.6	569.	0.	0.		
18	2168.	52.1	926.	0.	416.	0.1	0.	0.	62.0	827.	55.3	215.	59.9	612.	0.	0.		
19	2246.	54.2	957.	0.	416.	0.	0.	0.1	64.5	873.	57.9	219.	60.1	654.	0.	0.		
20	2327.	56.4	990.	0.	416.	0.	0.	0.1	67.0	921.	60.3	226.	60.2	695.	0.	0.		
21	2280.	0.	963.	0.	416.	0.	0.	0.1	0.	901.	62.6	236.	0.	665.	0.	0.		
22	2231.	0.	935.	0.	416.	0.	0.	0.1	0.	881.	64.5	245.	0.	635.	0.	0.		
23	2179.	0.	904.	0.	416.	0.	0.	0.	0.	860.	64.1	251.	0.	608.	0.	0.		

24	2125.	0.	871.	0.	416.	0.	0.	0.	416.	0.	838.	63.8	255.	0.	583.	0.	0.
25	2067.	0.	836.	0.	416.	0.	0.	0.	416.	0.	815.	63.6	256.	0.	559.	0.	0.
26	2007.	0.	799.	0.	416.	0.	0.	0.	416.	0.	792.	63.4	255.	1.0	537.	0.	0.
27	1943.	0.	759.	0.	416.	0.	0.	0.	416.	0.	769.	63.1	254.	1.0	515.	0.	0.
28	1878.	0.	715.	0.	416.	0.	0.	0.	416.	0.	745.	61.8	252.	2.1	493.	0.	0.
29	1805.	0.	669.	0.	416.	0.	0.	0.	416.	0.	720.	60.4	249.	3.2	471.	0.	0.
30	1730.	0.	619.	0.	415.	0.	0.	0.	415.	0.	696.	59.1	244.	4.3	452.	0.	0.
31	1670.	0.	603.	0.	413.	0.	0.	0.	413.	0.	653.	57.9	239.	5.2	414.	0.	0.
32	1604.	0.	586.	0.	409.	0.	0.	0.	409.	0.	609.	56.7	234.	5.1	375.	0.	0.
33	1536.	0.	571.	0.	403.	0.	0.	0.	403.	0.	562.	54.0	228.	6.5	335.	0.	0.
34	1465.	0.	555.	0.	394.	0.	0.	0.	394.	0.	517.	51.2	220.	8.0	297.	0.	0.
35	1391.	0.	538.	0.	382.	0.	0.	0.	382.	0.	472.	48.3	210.	9.6	261.	0.	0.
36	1314.	0.	520.	0.	368.	0.	0.	0.	368.	0.	426.	45.7	199.	11.0	227.	0.	0.
37	1233.	0.	501.	0.	352.	0.	0.	0.	352.	0.	380.	43.1	188.	10.8	192.	0.	0.
38	1158.	0.	481.	0.	334.	0.	0.	0.	334.	0.	343.	39.9	177.	11.3	166.	0.	0.
39	1081.	0.	456.	0.	314.	0.	0.	0.	314.	0.	311.	36.8	165.	11.8	145.	0.	0.
40	1004.	0.	430.	0.	263.	0.	0.	0.	263.	0.	311.	33.7	153.	11.9	157.	0.	0.
41	924.	0.	399.	0.	215.	0.	0.	0.	215.	0.	311.	31.3	141.	11.9	169.	0.	0.
42	841.	0.	366.	0.	164.	0.	0.	0.	164.	0.	311.	30.6	132.	9.3	179.	0.	0.
43	755.	0.	333.	0.	111.	0.	0.	0.	111.	0.	311.	29.6	125.	7.0	186.	0.	0.
44	665.	0.	297.	0.	57.	0.	0.	0.	57.	0.	311.	28.4	120.	5.4	191.	0.	0.
45	572.	0.	261.	0.	0.	0.	0.	0.	0.	0.	311.	27.3	116.	4.0	195.	0.	0.
46	466.	0.	213.	0.	0.	0.	0.	0.	0.	0.	253.	26.3	112.	4.3	142.	0.	0.
47	356.	0.	163.	0.	0.	0.	0.	0.	0.	0.	194.	26.2	108.	3.4	85.	0.	0.
48	242.	0.	111.	0.	0.	0.	0.	0.	0.	0.	132.	22.8	103.	5.6	29.	0.	0.
49	123.	0.	56.	0.	0.	0.	0.	0.	0.	0.	67.	-8.3	67.	8.1	0.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-40.7	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

ECONOMIC COST CASE																
YR	CAPITAL INVESTMENTS				EXPENSES											
**	*****				*****											
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS		
	*****	*****	*****	*****	*****	*****				*****				*****		
						FUEL	FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU	WITH	W+O	
						O&M	RECOVERY	FEED	SEP WK	SALES	PURCHASES	RECOVERY	SALES	PURCHASES	PU	
						O&M	O&M					O&M			PU	
77	11.45	8.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	0.	33.96	
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	0.	63.59	
79	26.96	13.58	0.	40.54	44.86	3.87	2.30	1.31	0.	0.	0.	0.	0.	0.	92.88	
80	34.26	18.11	0.	52.37	58.80	5.33	3.31	1.99	0.	0.	0.	0.	0.	0.	121.79	
81	41.26	22.86	0.	64.13	72.24	6.88	4.37	2.73	0.	0.	0.	0.	0.	0.	150.34	
82	48.00	27.80	0.	75.80	85.20	8.52	5.50	3.52	0.	0.	0.	0.	0.	0.	178.54	
83	54.51	32.87	0.	87.38	97.69	10.24	6.70	4.38	0.	0.	0.	0.	0.	0.	206.39	
84	60.82	38.06	0.	98.88	109.73	12.06	7.95	5.30	0.	0.	0.	0.	0.	0.	233.91	
85	66.95	43.33	0.	110.28	121.31	13.96	9.26	6.28	0.	0.	0.	0.	0.	0.	261.10	
86	72.94	48.66	0.	121.59	132.44	15.95	10.63	7.29	0.19	0.19	0.	0.	0.	0.	287.92	
87	78.79	54.02	0.	132.81	143.14	18.07	11.81	8.23	0.39	0.39	0.	0.	0.	0.	314.06	
88	84.53	59.39	0.	143.93	153.41	20.31	12.99	9.15	0.59	0.59	0.	0.	0.	0.	339.80	
89	90.19	64.76	0.	154.94	163.28	22.68	14.18	10.07	0.79	0.79	0.	0.	0.	0.	365.15	
90	95.78	70.10	0.	165.86	172.77	25.15	15.38	10.88	0.99	0.99	0.	0.	0.	0.	390.14	
91	101.68	75.41	0.	177.06	181.89	27.68	16.78	11.98	1.27	1.27	0.	0.	0.	0.	415.39	
92	107.62	80.54	0.	188.16	190.61	30.29	18.12	12.96	1.57	1.57	0.	0.	0.	0.	440.14	
93	113.67	85.50	0.	199.17	198.98	32.95	19.46	13.93	1.87	1.87	0.	0.	0.	0.	464.49	
94	119.70	90.40	0.	210.11	207.01	35.67	20.80	14.89	2.17	2.17	0.	0.	0.	0.	488.48	
95	125.82	95.13	0.	220.96	214.71	38.44	22.14	15.85	2.48	2.48	0.	0.	0.	0.	512.10	
96	132.02	99.70	0.	231.72	222.11	41.23	23.54	16.84	2.81	2.81	0.	0.	0.	0.	535.44	
97	138.31	104.09	0.	242.40	229.24	44.04	24.92	17.81	3.16	3.16	0.	0.	0.	0.	558.41	
98	144.67	108.33	0.	253.00	236.11	46.87	26.28	18.77	3.51	3.51	0.	0.	0.	0.	581.02	
99	151.11	112.41	0.	263.52	242.73	49.71	27.63	19.72	3.86	3.86	0.	0.	0.	0.	603.30	
00	157.62	116.33	0.	273.95	249.16	52.53	28.96	20.66	4.21	4.21	0.	0.	0.	0.	625.26	
01	159.57	123.01	0.	282.57	255.12	55.43	30.61	21.73	4.57	4.57	0.	0.	0.	0.	645.47	
02	161.55	129.82	0.	291.37	260.63	58.40	32.32	22.85	4.94	4.94	0.	0.	0.	0.	665.56	
03	163.25	136.85	0.	300.10	265.71	61.42	34.09	24.00	5.33	5.33	0.	0.	0.	0.	685.32	
04	164.93	143.78	0.	308.70	270.41	64.48	35.96	25.18	5.74	5.74	0.	0.	0.	0.	704.73	
05	166.59	150.61	0.	317.20	274.68	67.59	37.92	26.36	6.17	6.17	0.	0.	0.	0.	723.75	
06	168.23	157.35	0.	325.58	278.54	70.75	40.00	27.58	6.64	6.64	0.	0.	0.	0.	742.45	
07	169.86	164.01	0.	333.87	282.11	73.93	42.13	28.79	7.13	7.13	0.	0.	0.	0.	760.82	
08	171.51	169.57	0.	341.09	285.47	77.11	44.25	29.97	7.65	7.65	0.	0.	0.	0.	777.89	
09	173.44	174.65	0.	348.10	288.66	80.27	46.39	31.14	8.20	8.20	0.	0.	0.	0.	794.57	
10	175.34	179.52	0.	354.86	291.70	83.37	48.67	32.38	8.76	8.76	0.	0.	0.	0.	810.88	
11	177.49	183.95	0.	361.45	294.63	86.39	50.79	33.60	9.32	9.32	0.	0.	0.	0.	826.85	
12	179.61	188.30	0.	367.91	297.46	89.33	53.07	34.81	9.88	9.88	0.	0.	0.	0.	842.57	
13	181.68	192.56	0.	374.24	300.19	92.20	55.46	36.02	10.44	10.44	0.	0.	0.	0.	858.11	
14	183.72	196.73	0.	380.45	302.83	94.98	57.98	37.24	11.01	11.01	0.	0.	0.	0.	873.47	
15	185.72	200.82	0.	386.54	305.38	97.68	60.64	38.44	11.59	11.59	0.	0.	0.	0.	888.69	

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16	188.20	24.38	0.	392.57	307.93	100.32	63.81	39.6	12.18	12.18	0.	0.	0.	904.	904.22
17	190.63	207.86	0.	398.49	310.47	102.91	67.48	40.71	12.83	12.84	0.	0.	0.	920.07	920.07
18	193.02	211.27	0.	404.29	313.02	105.44	71.51	41.82	13.57	13.57	0.	0.	0.	936.09	936.08
19	195.36	214.62	0.	409.98	315.56	107.92	75.90	42.89	14.37	14.38	0.	0.	0.	952.27	952.26
20	197.67	217.90	0.	415.57	318.09	110.35	80.62	43.94	15.24	15.25	0.	0.	0.	968.59	968.57
21	197.67	217.90	0.	415.57	320.44	112.62	84.28	44.81	16.18	16.19	0.	0.	0.	977.74	977.72
22	197.67	217.90	0.	415.57	322.60	114.74	87.86	45.61	17.12	17.14	0.	0.	0.	986.40	986.38
23	197.67	217.90	0.	415.57	324.59	116.71	91.21	46.36	18.01	18.03	0.	0.	0.	994.46	994.44
24	197.67	217.90	0.	415.57	326.41	118.54	94.31	47.04	18.86	18.88	0.	0.	0.	1001.90	1001.88
25	197.67	217.90	0.	415.57	328.08	120.24	97.19	47.67	19.66	19.69	0.	0.	0.	1008.77	1008.74
26	197.67	217.90	0.	415.57	329.59	121.81	99.83	48.25	20.42	20.45	0.	0.	0.	1015.07	1015.05
27	197.67	217.90	0.	415.57	330.95	123.27	102.29	48.78	21.13	21.16	0.	0.	0.	1020.89	1020.86
28	197.67	217.90	0.	415.57	332.17	124.61	104.60	49.28	21.79	21.82	0.	0.	0.	1026.25	1026.23
29	197.67	217.90	0.	415.57	333.25	125.86	106.75	49.74	22.41	22.43	0.	0.	0.	1031.18	1031.16
30	197.67	217.90	0.	415.57	334.19	127.00	108.78	50.17	22.98	23.00	0.	0.	0.	1035.71	1035.69
31	197.67	217.90	0.	415.57	335.07	128.04	110.43	50.54	23.51	23.53	0.	0.	0.	1039.68	1039.65
32	197.67	217.90	0.	415.57	335.90	128.97	111.91	50.87	23.99	24.01	0.	0.	0.	1043.28	1043.23
33	197.67	217.90	0.	415.57	336.68	129.81	113.23	51.17	24.42	24.45	0.	0.	0.	1046.48	1046.45
34	197.67	217.90	0.	415.57	337.42	130.55	114.40	51.44	24.81	24.83	0.	0.	0.	1049.39	1049.37
35	197.67	217.90	0.	415.57	338.11	131.21	115.43	51.67	25.16	25.18	0.	0.	0.	1052.01	1051.99
36	197.67	217.90	0.	415.57	338.76	131.78	116.33	51.87	25.47	25.49	0.	0.	0.	1054.34	1054.31
37	197.67	217.90	0.	415.57	339.37	132.28	117.08	52.05	25.74	25.76	0.	0.	0.	1056.38	1056.36
38	197.67	217.90	0.	415.57	339.94	132.72	117.78	52.20	25.98	26.00	0.	0.	0.	1058.24	1058.22
39	197.67	217.90	0.	415.57	340.47	133.10	118.40	52.34	26.18	26.21	0.	0.	0.	1059.90	1059.87
40	197.67	217.90	0.	415.57	340.95	133.43	118.92	52.44	26.36	26.39	0.	0.	0.	1061.34	1061.32
41	197.67	217.90	0.	415.57	341.38	133.73	119.38	52.53	26.53	26.56	0.	0.	0.	1062.61	1062.58
42	197.67	217.90	0.	415.57	341.76	133.98	119.73	52.60	26.68	26.71	0.	0.	0.	1063.66	1063.64
43	197.67	217.90	0.	415.57	342.10	134.19	120.00	52.65	26.82	26.85	0.	0.	0.	1064.53	1064.51
44	197.67	217.90	0.	415.57	342.39	134.38	120.18	52.68	26.95	26.97	0.	0.	0.	1065.22	1065.19
45	197.67	217.90	0.	415.57	342.65	134.53	120.28	52.69	27.07	27.09	0.	0.	0.	1065.74	1065.72
46	197.67	217.90	0.	415.57	342.84	134.65	120.28	52.71	27.17	27.20	0.	0.	0.	1066.07	1066.05
47	197.67	217.90	0.	415.57	342.99	134.75	120.28	52.71	27.26	27.29	0.	0.	0.	1066.31	1066.29
48	197.67	217.90	0.	415.57	343.08	134.81	120.28	52.71	27.33	27.36	0.	0.	0.	1066.47	1066.44
49	197.67	217.90	0.	415.57	343.13	134.85	120.28	52.71	27.48	27.51	0.	0.	0.	1066.55	1066.52
50	197.67	217.90	0.	415.57	343.13	134.85	120.28	52.71	27.60	27.62	0.	0.	0.	1066.55	1066.52

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 8 , LWR , 4021 , PB AND PBTBR - WITH RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 PURCIN = 1.0 , PURCDC = 1.0 \$
 CRD NO....4 QCRLIM(1) = 1.14, 2.29, 4.57, 6.86, 10.29, 13.71, 16., 18.29, 20.57, 22.86 \$
 CRD NO....5 FBRLIM(1) = 1.14, 2.29, 4.57, 6.86, 10.29, 13.71, 16., 18.29, 20.57, 22.86 \$
 CRD NO....6 ISTOPW = 2010 \$
 CRD NO....7 D1 = 2010.0 , LFYUIR = 2010 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003170
 00003180
 00003190
 00003200
 00003210
 00003220
 00003230

CRD NO....1 \$\$

00003240

NCCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	796.5	381.5	1145.5	0.4	1775.84	1628.98	1041.29
2	1376.1	152.6	713.4	27.6	1601.67	1890.38	1041.29
3	1376.1	152.6	713.4	27.6	1485.75	1802.64	1041.29
4	1369.3	152.6	720.2	27.6	1412.15	1740.78	1041.29
5	1376.0	133.4	737.5	17.4	1353.92	1706.01	1041.29
6	1378.4	111.7	762.3	5.9	1309.52	1671.93	1041.29
7	1356.6	102.0	796.2	0.7	1284.73	1641.02	1041.29
8	1323.6	102.0	829.2	0.7	1282.36	1624.70	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	38.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	940.	34.9	609.	0.	0.	0.	0.	0.	0.	22.5	330.	17.5	64.	14.8	266.	0.	0.
96	987.	37.5	633.	0.	0.	0.	0.	0.	0.	23.0	353.	18.5	68.	18.6	285.	0.	0.
97	1036.	40.3	660.	0.	0.	0.	0.	0.	0.	23.5	376.	21.6	74.	17.4	301.	0.	0.
98	1088.	43.3	688.	0.	0.	0.	0.	0.	0.	24.0	400.	23.3	81.	17.2	319.	0.	0.
99	1142.	46.4	718.	0.	0.	0.	0.	0.	0.	24.5	423.	24.7	88.	17.3	335.	0.	0.
00	1199.	49.8	753.	1.0	1.	0.	0.	1.0	1.	23.9	445.	26.1	96.	16.3	349.	0.	0.
01	1241.	15.7	753.	2.0	3.	0.	0.	2.0	3.	42.9	484.	27.5	102.	36.9	383.	0.	0.
02	1284.	17.0	753.	4.0	7.	0.	0.	4.0	7.	44.3	523.	29.8	108.	37.8	415.	0.	0.
03	1328.	15.4	753.	6.0	13.	0.	0.	6.0	13.	46.7	561.	32.5	116.	38.9	445.	0.	0.
04	1373.	16.2	755.	9.0	22.	0.	0.	9.0	22.	45.8	596.	35.0	125.	36.9	471.	0.	0.
05	1419.	17.0	751.	12.0	34.	0.	0.	12.0	34.	45.0	634.	37.3	135.	35.2	500.	0.	0.
06	1467.	17.8	746.	14.0	48.	0.	0.	14.0	48.	45.5	673.	39.4	144.	35.9	529.	0.	0.
07	1516.	18.7	742.	16.0	64.	0.	0.	16.0	64.	46.1	710.	42.2	154.	36.5	557.	0.	0.
08	1567.	17.5	743.	18.0	82.	0.	0.	18.0	82.	39.3	743.	45.1	164.	29.1	579.	0.	0.
09	1620.	21.0	747.	20.0	102.	0.	0.	20.0	102.	36.6	771.	47.9	175.	26.1	596.	0.	0.
10	1678.	30.0	759.	0.	102.	0.	0.	0.	102.	52.4	814.	50.3	185.	41.6	629.	0.1	0.
11	1733.	31.3	773.	0.	102.	0.	0.	0.	102.	53.3	858.	52.3	196.	43.2	662.	0.1	0.
12	1790.	32.5	787.	0.	102.	0.	0.	0.	102.	53.2	900.	55.5	206.	42.9	694.	0.1	0.
13	1846.	33.8	803.	0.	102.	0.	0.	0.	102.	53.2	941.	58.7	217.	42.3	724.	0.1	0.
14	1902.	87.3	871.	0.	102.	0.	0.	0.	102.	0.	928.	61.9	228.	0.	700.	0.0	1.
15	1956.	87.8	939.	0.	102.	0.	0.	0.	102.	0.	914.	64.7	241.	0.	673.	0.0	1.
16	2010.	89.5	1009.	0.	102.	0.	0.	0.	102.	0.	899.	64.5	250.	0.	649.	0.0	1.
17	2065.	91.5	1079.	0.	102.	0.	0.	0.	102.	0.	883.	64.7	256.	0.	627.	0.0	1.
18	2120.	93.6	1151.	0.	102.	0.	0.	0.	102.	0.	866.	65.1	259.	0.	607.	0.0	1.
19	2175.	95.8	1224.	0.	102.	0.	0.	0.	102.	0.	848.	65.5	260.	0.	589.	0.0	1.
20	2256.	123.4	1324.	0.	102.	0.	0.	0.	102.	0.	829.	65.9	261.	0.	568.	0.0	1.
21	2209.	0.	1297.	0.	102.	0.0	0.	0.	102.	0.	809.	64.7	261.	0.	548.	0.	1.
22	2160.	0.	1268.	0.	102.	0.0	0.	0.	102.	0.	789.	63.7	260.	1.3	529.	0.	1.
23	2108.	0.	1238.	0.	102.	0.0	0.	0.	102.	0.	768.	62.8	257.	2.6	511.	0.	1.

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24	2084.	0.	1205.	0.	102.	0.0	0.	0.	102.	0.	746.	62.0	253.	3.8	492.	0.	1.
25	1996.	0.	1170.	0.	102.	0.0	0.	0.	102.	0.	723.	61.2	250.	3.5	473.	0.	1.
26	1938.	0.	1133.	0.	102.	0.0	0.	0.	102.	0.	700.	59.7	246.	4.0	454.	0.	1.
27	1872.	0.	1092.	0.	102.	0.0	0.	0.	102.	0.	677.	58.1	241.	4.7	436.	0.	1.
28	1805.	0.	1049.	0.	102.	0.0	0.	0.	102.	0.	653.	56.7	236.	5.4	417.	0.	1.
29	1734.	0.	1003.	0.	102.	0.0	0.	0.	102.	0.	628.	55.2	230.	6.0	398.	0.	1.
30	1659.	0.	953.	0.	101.	0.0	0.	0.0	101.	0.	604.	53.8	224.	5.8	380.	0.	1.
31	1598.	0.	937.	0.	99.	0.0	0.	0.	99.	0.	562.	52.0	218.	6.1	344.	0.	1.
32	1533.	0.	920.	0.	95.	0.0	0.	0.	95.	0.	517.	50.3	211.	6.4	306.	0.	1.
33	1465.	0.	905.	0.	89.	0.0	0.	0.	89.	0.	470.	47.6	204.	7.7	267.	0.	1.
34	1394.	0.	889.	0.	80.	0.0	0.	0.	80.	0.	425.	44.8	195.	9.1	230.	0.	1.
35	1320.	0.	872.	0.	68.	0.0	0.	0.0	68.	0.	380.	42.0	185.	10.1	195.	0.	1.
36	1243.	0.	854.	0.	54.	0.0	0.	0.0	54.	0.	334.	39.1	173.	11.2	161.	0.	1.
37	1162.	0.	835.	0.	38.	0.0	0.	0.0	38.	0.	288.	36.3	162.	11.3	126.	0.	1.
38	1087.	0.	817.	0.	20.	0.0	0.	0.0	20.	0.	249.	33.0	150.	11.7	98.	0.	1.
39	1009.	0.	797.	0.	0.	0.	0.	0.	0.	0.	212.	29.8	138.	12.2	74.	0.	1.
40	927.	0.	766.	0.	0.	0.	0.	0.	0.	0.	160.	26.8	126.	12.2	34.	0.	1.
41	842.	0.	735.	0.	0.	0.	0.	0.	0.	0.	106.	16.8	106.	12.3	0.	0.	0.
42	756.	0.	703.	0.	0.	0.0	0.	0.	0.	0.	53.	-20.2	53.	5.4	0.	0.	0.
43	669.	0.	669.	0.	0.	0.	0.	0.	0.	0.	0.	-23.5	0.	0.	0.	0.	0.
44	582.	0.	582.	0.	0.	0.	0.	0.	0.	0.	0.	26.8	0.	0.	0.	0.	0.
45	494.	0.	494.	0.	0.	0.	0.	0.	0.	0.	0.	16.8	0.	0.	0.	0.	0.
46	404.	0.	404.	0.	0.	0.0	0.	0.	0.	0.	0.	-20.2	0.	0.	0.	0.	0.
47	313.	0.	313.	0.	0.	0.	0.	0.	0.	0.	0.	-23.5	0.	0.	0.	0.	0.
48	219.	0.	219.	0.	0.	0.	0.	0.	0.	0.	0.	26.8	0.	0.	0.	0.	0.
49	123.	0.	123.	0.	0.	0.	0.	0.	0.	0.	0.	16.8	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.0	0.	0.	0.	0.	0.	-20.2	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES										
	*****				*****										
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS	
	*****	*****	*****	*****	*****	FABRICATION	URANIUM	SEP	WK	PU	PU	FABRICATION	PU	PU	
						FUEL	RECOVERY	FEED		SALES	PURCHASES	RECOVERY	SALES	PURCHASES	
						O&M	O&M					O&M			
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	0.	33.98
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	0.	63.59
79	26.96	13.58	0.	40.54	44.86	3.87	2.30	1.31	0.	0.	0.	0.	0.	0.	92.88
80	34.26	18.11	0.	52.37	58.80	5.33	3.31	1.99	0.	0.	0.	0.	0.	0.	121.79
81	41.26	22.86	0.	64.13	72.24	6.88	4.37	2.73	0.	0.	0.	0.	0.	0.	150.34
82	48.00	27.80	0.	75.80	85.20	8.52	5.50	3.52	0.	0.	0.	0.	0.	0.	178.54
83	54.51	32.87	0.	87.38	97.69	10.24	6.70	4.38	0.	0.	0.	0.	0.	0.	206.39
84	60.82	38.06	0.	98.88	109.73	12.06	7.95	5.30	0.	0.	0.	0.	0.	0.	233.91
85	66.95	43.33	0.	110.28	121.31	13.96	9.28	6.28	0.	0.	0.	0.	0.	0.	261.10
86	72.94	48.66	0.	121.59	132.44	15.95	10.63	7.29	0.19	0.19	0.	0.	0.	0.	287.92
87	78.79	54.02	0.	132.81	143.14	18.07	11.81	8.23	0.39	0.39	0.	0.	0.	0.	314.06
88	84.53	59.39	0.	143.93	153.41	20.31	12.99	9.15	0.59	0.59	0.	0.	0.	0.	339.80
89	90.19	64.76	0.	154.94	163.28	22.68	14.18	10.07	0.79	0.79	0.	0.	0.	0.	365.15
90	95.76	70.10	0.	165.86	172.77	25.15	15.38	10.98	0.99	0.99	0.	0.	0.	0.	390.14
91	101.65	75.41	0.	177.06	181.89	27.68	16.78	11.98	1.27	1.27	0.	0.	0.	0.	415.39
92	107.62	80.54	0.	188.16	190.61	30.29	18.12	12.96	1.57	1.57	0.	0.	0.	0.	440.14
93	113.67	85.50	0.	199.17	198.98	32.95	19.46	13.93	1.87	1.87	0.	0.	0.	0.	464.49
94	119.70	90.40	0.	210.11	207.01	35.67	20.80	14.89	2.17	2.17	0.	0.	0.	0.	488.48
95	125.82	95.13	0.	220.96	214.71	38.44	22.14	15.85	2.48	2.48	0.	0.	0.	0.	512.10
96	132.02	99.70	0.	231.72	222.11	41.23	23.54	16.84	2.81	2.81	0.	0.	0.	0.	535.44
97	138.31	104.09	0.	242.40	229.24	44.04	24.92	17.81	3.16	3.16	0.	0.	0.	0.	558.41
98	144.67	108.33	0.	253.00	236.11	46.87	26.28	18.77	3.51	3.51	0.	0.	0.	0.	581.02
99	151.11	112.41	0.	263.52	242.73	49.71	27.63	19.72	3.86	3.86	0.	0.	0.	0.	603.30
00	157.62	116.33	0.	273.95	249.16	52.53	28.96	20.66	4.21	4.21	0.	0.	0.	0.	625.26
01	159.57	123.01	0.	282.57	255.12	55.43	30.81	21.73	4.57	4.57	0.	0.	0.	0.	645.47
02	161.55	129.82	0.	291.37	260.63	58.40	32.32	22.85	4.94	4.94	0.	0.	0.	0.	665.56
03	163.25	136.85	0.	300.10	265.71	61.42	34.09	24.00	5.33	5.33	0.	0.	0.	0.	685.32
04	164.93	143.78	0.	308.70	270.41	64.48	35.96	25.18	5.74	5.74	0.	0.	0.	0.	704.72
05	166.59	150.61	0.	317.20	274.68	67.59	37.91	26.36	6.17	6.17	0.	0.	0.	0.	723.74
06	168.23	157.35	0.	325.58	278.54	70.75	39.99	27.58	6.64	6.64	0.	0.	0.	0.	742.44
07	169.86	164.01	0.	333.87	282.11	73.93	42.11	28.79	7.13	7.13	0.	0.	0.	0.	760.81
08	171.30	169.83	0.	341.13	285.45	77.12	44.26	29.98	7.65	7.65	0.	0.	0.	0.00	777.95
09	172.92	175.28	0.	348.20	288.59	80.30	46.47	31.17	8.20	8.19	0.	0.	0.	0.00	794.73
10	175.12	179.88	0.01	355.01	291.61	83.46	48.78	32.31	8.21	8.76	0.00	0.	0.01	0.01	811.72
11	177.27	184.29	0.02	361.59	294.64	86.58	51.17	33.42	8.21	9.35	0.00	0.00	0.02	0.02	828.45
12	179.39	188.45	0.03	367.87	297.39	89.66	53.63	34.51	8.22	9.97	0.00	0.00	0.02	0.02	844.83
13	181.46	192.36	0.04	373.87	300.18	92.69	56.17	35.56	8.22	10.64	0.01	0.00	0.03	0.03	860.91
14	186.52	192.36	0.04	378.93	303.18	95.53	58.16	36.45	8.22	11.34	0.01	0.00	0.03	0.03	875.40
15	191.31	192.36	0.05	383.72	306.39	98.20	60.07	37.26	8.22	12.04	0.01	0.00	0.03	0.03	889.48

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[illegible]

START OF CASE (
DTA CALL NO....15

110977
INPUT EDITS

CRD NO....1 (CASE # 7 , LWR AND HTGR-OC -- NO REPROCESSING) \$
CRD NO....2 A1 = 0.0 \$
CRD NO....3 D1 = 2051.0 , IBTOPW = 1977 \$
CRD NO....4 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 \$
CRD NO....5 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 \$
CRD NO....6 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 \$
CRD NO....7 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 \$
CRD NO....8 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 \$
CRD NO....9 UIRREC(30) = 0.475 , UIRREC(121) = 0.475 \$
CRD NO...10 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 \$
CRD NO...11 LFYUIR = 2051 , LFYPUR = 2051 \$
CRD NO...12 GCRSFI = 0.0 , CGUINV = 0.0 \$
CRD NO...13 EPNOUT(3) = 0.002 \$
CRD NO...14 CBUINV = 0.0 , CPUINV = 0.0 \$
CRD NO...15 PWRSFI = 0.0 \$
CRD NO...16 SPECIF(1) = 1710. , 1710. \$
CRD NO...17 BUPRLD(1) = 1161111. , 1161111. \$
CRD NO...18 EFFICY(1) = .38 , .38 \$
CRD NO...19 PWRPUP(40) = 0.0 , PWRPUP(121) = 0.0 \$
CRD NO...20 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
CRD NO...21 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
CRD NO...22 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
CRD NO...23 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
CRD NO...24 EPNINT(1) = .93 , .93 \$
CRD NO...25 EPNRLD(1) = .93 , .93 \$
CRD NO...26 EPNOUT(1) = .002 , .002 \$
CRD NO...27 PWRFAB(30) = 0.7205 , PWRFAB(121) = 0.7205 \$
CRD NO...28 BWRREC(30) = 0.120 , BWRREC(121) = 0.120 \$

00003260
00003270
00003280
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3005T 03 11-09-77 18.339

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CRD NO...29 RL21 = 0.70 , RL31 = 0.70 \$\$
DTA CALL NO....16 INPUT EDITS

00003540

CRD NO....1 \$\$

00003550

NCCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP. WK.
1	988.3	7.0	1390.7	0.	2009.12	2500.25	1041.29
2	1596.6	31.0	758.4	0.	1962.90	2351.86	1041.29
3	1552.8	7.0	826.2	0.	1936.79	2366.93	1041.29
4	1535.6	7.0	843.8	0.	1920.88	2371.76	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
***** (T H O U S A N D S O F M W) *****																	
										8.6	56.	0.	0.	8.6	56.	0.	0.
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.								
										10.0	90.	0.	0.	10.0	90.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.								
										15.0	155.	0.	0.	15.0	155.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	16.0	171.	0.	0.	16.0	171.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	17.0	188.	0.	0.	17.0	188.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	18.0	206.	0.	0.	18.0	206.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	19.0	225.	0.	0.	19.0	225.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.								
										20.0	244.	0.	0.	20.0	244.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.5	265.	0.	0.	20.5	265.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	21.0	286.	0.	0.	21.0	286.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	22.0	308.	0.	0.	22.0	308.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.5	330.	0.	0.	22.5	330.	0.	0.
95	940.	34.9	609.	0.	0.	0.	0.	0.	0.								
										23.0	353.	0.	0.	23.0	353.	0.	0.
A-290 96	987.	37.5	633.	0.	0.	0.	0.	0.	0.	23.5	376.	0.	0.	23.5	376.	0.	0.
97	1036.	40.3	660.	0.	0.	0.	0.	0.	0.	24.0	400.	0.	0.	24.0	400.	0.	0.
98	1088.	43.3	688.	0.	0.	0.	0.	0.	0.	24.5	423.	0.	0.	24.5	423.	0.	0.
99	1142.	46.4	718.	0.	0.	0.	0.	0.	0.	24.0	445.	0.	0.	24.0	445.	0.	0.
00	1199.	49.8	753.	1.0	1.	0.	0.	1.0	1.								
										37.1	479.	0.	0.	37.1	479.	0.	0.
01	1241.	21.7	759.	2.0	3.	0.	0.	2.0	3.	38.4	512.	0.	0.	38.4	512.	0.	0.
02	1285.	23.5	766.	4.0	7.	0.	0.	4.0	7.	44.4	547.	0.	0.	44.4	547.	0.	0.
03	1330.	24.7	775.	0.	7.	0.	0.	0.	7.	46.4	582.	0.	0.	46.4	582.	0.	0.
04	1376.	25.8	786.	0.	7.	0.	0.	0.	7.	48.6	625.	0.	0.	48.6	625.	0.	0.
05	1424.	27.1	792.	0.	7.	0.	0.	0.	7.								
										43.6	661.	0.	0.	43.6	661.	0.	0.
06	1474.	35.7	806.	0.	7.	0.	0.	0.	7.	45.7	699.	0.	0.	45.7	699.	0.	0.
07	1526.	37.4	820.	0.	7.	0.	0.	0.	7.	27.9	719.	0.	0.	27.9	719.	0.	0.
08	1579.	49.5	853.	0.	7.	0.	0.	0.	7.	28.9	740.	0.	0.	28.9	740.	0.	0.
09	1634.	61.5	887.	0.	7.	0.	0.	0.	7.	30.0	761.	0.	0.	30.0	761.	0.	0.
10	1691.	53.6	923.	0.	7.	0.	0.	0.	7.								
										31.1	782.	0.	0.	31.1	782.	0.	0.
11	1751.	55.8	962.	0.	7.	0.	0.	0.	7.	25.6	797.	0.	0.	25.6	797.	0.	0.
12	1812.	64.7	1008.	0.	7.	0.	0.	0.	7.	26.6	811.	0.	0.	26.6	811.	0.	0.
13	1875.	67.3	1057.	0.	7.	0.	0.	0.	7.	18.3	817.	0.	0.	18.3	817.	0.	0.
14	1941.	79.3	1117.	0.	7.	0.	0.	0.	7.	19.0	822.	0.	0.	19.0	822.	0.	0.
15	2009.	82.5	1180.	0.	7.	0.	0.	0.	7.								
										19.8	826.	0.	0.	19.8	826.	0.	0.
16	2079.	85.8	1246.	0.	7.	0.	0.	0.	7.	20.5	831.	0.	0.	20.5	831.	0.	0.
17	2162.	89.2	1314.	0.	7.	0.	0.	0.	7.	21.3	835.	0.	0.	21.3	835.	0.	0.
18	2227.	92.8	1385.	0.	7.	0.	0.	0.	7.	22.2	839.	0.	0.	22.2	839.	0.	0.
19	2305.	96.5	1459.	0.	7.	0.	0.	0.	7.	23.0	843.	0.	0.	23.0	843.	0.	0.
20	2386.	100.4	1536.	0.	7.	0.	0.	0.	7.								
										0.	823.	0.	0.	0.	823.	0.	0.
21	2339.	0.	1509.	0.	7.	0.	0.	0.	7.	0.	803.	0.	0.	0.	803.	0.	0.
22	2290.	0.	1480.	0.	7.	0.	0.	0.	7.	0.	782.	0.	0.	0.	782.	0.	0.
23	2239.	0.	1450.	0.	7.	0.	0.	0.	7.								

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24	2184.	0.	1417.	0.	7.	0.	0.	0.	7.	0.	760.	0.	0.	0.	760.	0.	0.
25	2127.	0.	1382.	0.	7.	0.	0.	0.	7.	0.	737.	0.	0.	0.	737.	0.	0.
26	2066.	0.	1345.	0.	7.	0.	0.	0.	7.	0.	714.	0.	0.	0.	714.	0.	0.
27	2002.	0.	1304.	0.	7.	0.	0.	0.	7.	0.	691.	0.	0.	0.	691.	0.	0.
28	1935.	0.	1261.	0.	7.	0.	0.	0.	7.	0.	667.	0.	0.	0.	667.	0.	0.
29	1864.	0.	1215.	0.	7.	0.	0.	0.	7.	0.	642.	0.	0.	0.	642.	0.	0.
30	1789.	0.	1165.	0.	6.	0.	0.	0.	6.	0.	618.	0.	0.	0.	618.	0.	0.
31	1728.	0.	1143.	0.	4.	0.	0.	0.	4.	0.	581.	0.	0.	0.	581.	0.	0.
32	1663.	0.	1120.	0.	0.	0.	0.	0.	0.	0.	543.	0.	0.	0.	543.	0.	0.
33	1594.	0.	1085.	0.	0.	0.	0.	0.	0.	0.	499.	0.	0.	0.	499.	0.	0.
34	1521.	0.	1069.	0.	0.	0.	0.	0.	0.	0.	452.	0.	0.	0.	452.	0.	0.
35	1448.	0.	1042.	0.	0.	0.	0.	0.	0.	0.	404.	0.	0.	0.	404.	0.	0.
36	1366.	0.	1006.	0.	0.	0.	0.	0.	0.	0.	360.	0.	0.	0.	360.	0.	0.
37	1283.	0.	969.	0.	0.	0.	0.	0.	0.	0.	314.	0.	0.	0.	314.	0.	0.
38	1206.	0.	919.	0.	0.	0.	0.	0.	0.	0.	286.	0.	0.	0.	286.	0.	0.
39	1128.	0.	868.	0.	0.	0.	0.	0.	0.	0.	257.	0.	0.	0.	257.	0.	0.
40	1042.	0.	814.	0.	0.	0.	0.	0.	0.	0.	227.	0.	0.	0.	227.	0.	0.
41	958.	0.	759.	0.	0.	0.	0.	0.	0.	0.	196.	0.	0.	0.	196.	0.	0.
42	865.	0.	694.	0.	0.	0.	0.	0.	0.	0.	171.	0.	0.	0.	171.	0.	0.
43	771.	0.	627.	0.	0.	0.	0.	0.	0.	0.	144.	0.	0.	0.	144.	0.	0.
44	673.	0.	547.	0.	0.	0.	0.	0.	0.	0.	126.	0.	0.	0.	126.	0.	0.
45	572.	0.	465.	0.	0.	0.	0.	0.	0.	0.	107.	0.	0.	0.	107.	0.	0.
46	466.	0.	379.	0.	0.	0.	0.	0.	0.	0.	87.	0.	0.	0.	87.	0.	0.
47	356.	0.	290.	0.	0.	0.	0.	0.	0.	0.	67.	0.	0.	0.	67.	0.	0.
48	242.	0.	197.	0.	0.	0.	0.	0.	0.	0.	45.	0.	0.	0.	45.	0.	0.
49	123.	0.	100.	0.	0.	0.	0.	0.	0.	0.	23.	0.	0.	0.	23.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.	-0.0	-0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

ECONOMIC COST CASE																		
YR	CAPITAL INVESTMENTS				EXPENSES												TOTALS	
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR								
						FUEL	FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU					
														O&M	RECOVERY	FEED	SEP WK	SALES
						O&M	O&M					O&M			PU	PU		
77	11.46	5.18	0.	16.63	15.47	1.04	0.47	0.18	0.	0.	0.	0.	0.	0.	33.79	33.79		
78	19.44	9.17	0.	28.61	30.43	2.14	1.49	0.71	0.	0.	0.	0.	0.	0.	63.38	63.38		
79	26.96	13.58	0.	40.54	44.87	3.32	2.60	1.32	0.	0.	0.	0.	0.	0.	92.65	92.65		
80	34.26	18.11	0.	52.37	58.81	4.58	3.77	2.01	0.	0.	0.	0.	0.	0.	121.54	121.54		
81	41.26	22.86	0.	64.13	72.25	5.80	5.03	2.75	0.	0.	0.	0.	0.	0.	150.06	150.06		
82	48.00	27.80	0.	75.80	85.22	7.31	6.36	3.56	0.	0.	0.	0.	0.	0.	178.24	178.24		
83	54.51	32.87	0.	87.38	97.71	8.79	7.76	4.43	0.	0.	0.	0.	0.	0.	206.08	206.08		
84	60.82	38.06	0.	98.88	109.74	10.36	9.25	5.37	0.	0.	0.	0.	0.	0.	233.59	233.59		
85	66.95	43.33	0.	110.28	121.33	11.99	10.81	6.36	0.	0.	0.	0.	0.	0.	260.77	260.77		
86	72.94	48.66	0.	121.59	132.49	13.70	12.44	7.40	0.	0.	0.	0.	0.	0.	287.62	287.62		
87	78.79	54.02	0.	132.81	143.24	15.48	14.15	8.47	0.	0.	0.	0.	0.	0.	314.14	314.14		
88	84.53	59.39	0.	143.93	153.56	17.32	15.94	9.57	0.	0.	0.	0.	0.	0.	340.32	340.32		
89	90.19	64.76	0.	154.94	163.48	19.22	17.80	10.71	0.	0.	0.	0.	0.	0.	366.16	366.16		
90	95.76	70.10	0.	165.86	173.02	21.18	19.74	11.87	0.	0.	0.	0.	0.	0.	391.67	391.67		
91	101.65	75.41	0.	177.06	182.17	23.20	21.74	13.06	0.	0.	0.	0.	0.	0.	417.24	417.24		
92	107.62	80.54	0.	188.16	190.97	25.26	23.79	14.27	0.	0.	0.	0.	0.	0.	442.44	442.44		
93	113.67	85.50	0.	199.17	199.43	27.35	25.86	15.49	0.	0.	0.	0.	0.	0.	467.30	467.30		
94	119.70	90.40	0.	210.11	207.57	29.47	27.98	16.72	0.	0.	0.	0.	0.	0.	491.85	491.85		
95	125.82	95.13	0.	220.96	215.42	31.62	30.11	17.96	0.	0.	0.	0.	0.	0.	516.07	516.07		
96	132.02	99.70	0.	231.72	222.98	33.80	32.27	19.21	0.	0.	0.	0.	0.	0.	539.97	539.97		
97	138.31	104.09	0.	242.40	230.33	35.97	34.45	20.45	0.	0.	0.	0.	0.	0.	563.61	563.61		
98	144.67	108.33	0.	253.00	237.46	38.16	36.64	21.70	0.	0.	0.	0.	0.	0.	586.95	586.95		
99	151.11	112.41	0.	263.52	244.40	40.35	38.86	22.93	0.	0.	0.	0.	0.	0.	610.06	610.06		
00	157.62	116.35	0.	273.97	251.20	42.52	41.17	24.17	0.	0.	0.	0.	0.	0.	633.04	633.04		
01	160.31	122.18	0.	282.49	257.59	44.74	43.84	25.49	0.	0.	0.	0.	0.	0.	654.14	654.14		
02	163.05	128.16	0.	291.21	263.58	47.00	46.71	26.84	0.	0.	0.	0.	0.	0.	675.34	675.34		
03	165.76	134.01	0.	299.77	269.23	49.28	49.80	28.20	0.	0.	0.	0.	0.	0.	696.27	696.27		
04	168.44	139.79	0.	308.23	274.57	51.56	53.09	29.56	0.	0.	0.	0.	0.	0.	717.02	717.02		
05	171.08	145.50	0.	316.58	279.56	53.87	56.60	30.92	0.	0.	0.	0.	0.	0.	737.53	737.53		
06	174.38	150.33	0.	324.71	284.30	56.17	60.20	32.26	0.	0.	0.	0.	0.	0.	757.62	757.62		
07	177.64	155.10	0.	332.74	288.89	58.46	63.90	33.55	0.	0.	0.	0.	0.	0.	777.53	777.53		
08	181.70	157.84	0.	339.55	293.55	60.68	67.52	34.75	0.	0.	0.	0.	0.	0.	796.06	796.06		
09	185.70	160.53	0.	346.23	298.28	62.84	71.30	35.91	0.	0.	0.	0.	0.	0.	814.56	814.56		
10	189.61	163.16	0.	352.78	303.07	64.94	75.32	37.03	0.	0.	0.	0.	0.	0.	833.14	833.14		
11	193.46	165.74	0.	359.20	307.92	66.97	79.75	38.13	0.	0.	0.	0.	0.	0.	851.95	851.95		
12	197.67	167.74	0.	365.41	312.90	68.92	84.42	39.16	0.	0.	0.	0.	0.	0.	870.79	870.79		
13	201.80	169.69	0.	371.49	318.01	70.79	89.41	40.15	0.	0.	0.	0.	0.	0.	889.85	889.85		
14	206.39	170.97	0.	377.36	323.34	72.67	94.47	41.07	0.	0.	0.	0.	0.	0.	908.81	908.81		
15	210.89	172.21	0.	383.11	328.89	74.25	99.65	41.94	0.	0.	0.	0.	0.	0.	927.84	927.84		

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16	215.31	73.44	0.	388.75	334.64	75.86	104.84	42....	0.	0.	0.	0.	0.	0.	946....	946.86
17	219.65	174.63	0.	394.28	340.58	77.37	110.05	43.56	0.	0.	0.	0.	0.	0.	965.84	965.84
18	223.91	175.81	0.	399.71	345.70	78.81	115.15	44.30	0.	0.	0.	0.	0.	0.	984.69	984.69
19	228.08	176.96	0.	405.04	353.00	80.18	120.06	45.01	0.	0.	0.	0.	0.	0.	1003.29	1003.29
20	232.18	178.09	0.	410.27	359.45	81.47	124.76	45.68	0.	0.	0.	0.	0.	0.	1021.64	1021.64
21	232.18	178.09	0.	410.27	365.54	82.67	128.78	46.26	0.	0.	0.	0.	0.	0.	1033.49	1033.49
22	232.18	178.09	0.	410.27	371.26	83.76	132.45	46.80	0.	0.	0.	0.	0.	0.	1044.54	1044.54
23	232.18	178.09	0.	410.27	376.64	84.77	135.87	47.29	0.	0.	0.	0.	0.	0.	1054.84	1054.84
24	232.18	178.09	0.	410.27	381.69	85.70	139.02	47.74	0.	0.	0.	0.	0.	0.	1064.42	1064.42
25	232.18	178.09	0.	410.27	386.43	86.54	141.93	48.15	0.	0.	0.	0.	0.	0.	1073.31	1073.31
26	232.18	178.09	0.	410.27	390.86	87.32	144.59	48.53	0.	0.	0.	0.	0.	0.	1081.56	1081.56
27	232.18	178.09	0.	410.27	394.99	88.02	147.04	48.87	0.	0.	0.	0.	0.	0.	1089.19	1089.19
28	232.18	178.09	0.	410.27	398.84	88.67	149.27	49.18	0.	0.	0.	0.	0.	0.	1096.22	1096.22
29	232.18	178.09	0.	410.27	402.41	89.25	151.31	49.46	0.	0.	0.	0.	0.	0.	1102.70	1102.70
30	232.18	178.09	0.	410.27	405.72	89.78	153.16	49.71	0.	0.	0.	0.	0.	0.	1108.64	1108.64
31	232.18	178.09	0.	410.27	408.84	90.25	154.70	49.92	0.	0.	0.	0.	0.	0.	1113.99	1113.99
32	232.18	178.09	0.	410.27	411.79	90.68	156.02	50.11	0.	0.	0.	0.	0.	0.	1118.85	1118.85
33	232.18	178.09	0.	410.27	414.58	91.02	157.13	50.26	0.	0.	0.	0.	0.	0.	1123.28	1123.28
34	232.18	178.09	0.	410.27	417.20	91.32	158.05	50.40	0.	0.	0.	0.	0.	0.	1127.24	1127.24
35	232.18	178.09	0.	410.27	419.68	91.58	158.79	50.50	0.	0.	0.	0.	0.	0.	1130.81	1130.81
36	232.18	178.09	0.	410.27	421.98	91.79	159.41	50.59	0.	0.	0.	0.	0.	0.	1134.04	1134.04
37	232.18	178.09	0.	410.27	424.13	91.97	159.88	50.66	0.	0.	0.	0.	0.	0.	1136.91	1136.91
38	232.18	178.09	0.	410.27	426.09	92.12	160.36	50.73	0.	0.	0.	0.	0.	0.	1139.56	1139.56
39	232.18	178.09	0.	410.27	427.86	92.25	160.75	50.78	0.	0.	0.	0.	0.	0.	1141.91	1141.91
40	232.18	178.09	0.	410.27	429.46	92.36	161.05	50.83	0.	0.	0.	0.	0.	0.	1143.97	1143.97
41	232.18	178.09	0.	410.27	430.90	92.44	161.28	50.86	0.	0.	0.	0.	0.	0.	1145.75	1145.75
42	232.18	178.09	0.	410.27	432.16	92.52	161.47	50.89	0.	0.	0.	0.	0.	0.	1147.31	1147.31
43	232.18	178.09	0.	410.27	433.26	92.57	161.60	50.91	0.	0.	0.	0.	0.	0.	1148.62	1148.62
44	232.18	178.09	0.	410.27	434.17	92.62	161.73	50.93	0.	0.	0.	0.	0.	0.	1149.72	1149.72
45	232.18	178.09	0.	410.27	434.91	92.66	161.82	50.95	0.	0.	0.	0.	0.	0.	1150.60	1150.60
46	232.18	178.09	0.	410.27	435.48	92.69	161.88	50.96	0.	0.	0.	0.	0.	0.	1151.28	1151.28
47	232.18	178.09	0.	410.27	435.90	92.71	161.90	50.96	0.	0.	0.	0.	0.	0.	1151.75	1151.75
48	232.18	178.09	0.	410.27	436.17	92.72	161.90	50.96	0.	0.	0.	0.	0.	0.	1152.03	1152.03
49	232.18	178.09	0.	410.27	436.30	92.73	161.90	50.96	0.	0.	0.	0.	0.	0.	1152.17	1152.17
50	232.18	178.09	0.	410.27	436.30	92.73	161.90	50.96	0.00	0.00	0.	0.	0.	0.	1152.17	1152.17

3005T 03 11-09-77 18.492

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 8 , LWR AND HTGR-RC -- WITH REPROCESSING)\$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , IBTOPW = 1977 \$
 CRD NO....4 CPUINV = 0.000738 , CBUINV = 0.0 \$
 CRD NO....5 PWRSF1 = 0.02255 \$
 CRD NO....6 SPECIF(1) = 1710. , 1710. \$
 CRD NO....7 BUPRLD(1) = 1161111. , 1161111. \$
 CRD NO....8 EFFICY(1) = .38. , 38 \$
 CRD NO....9 PURCIN = 685.8 \$
 CRD NO....10 PURCDC = 1547.0 \$
 CRD NO....11 PURPCR(30) = 0.290 , PURPCR(121) = 0.290 \$
 CRD NO....12 PURPIS(30) = 0.01534 , PURPIS(121) = 0.01534 \$
 CRD NO....13 PWRPUP(40) = 0.204 , PWRPUP(121) = 0.204 \$
 CRD NO....14 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
 CRD NO....15 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
 CRD NO....16 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
 CRD NO....17 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
 CRD NO....18 EPNINT(1) = .93. , 93 \$
 CRD NO....19 EPNRLD(1) = .93. , 93 \$
 CRD NO....20 EPNOUT(1) = .50. , 50 \$
 CRD NO....21 PWRFAB(30) = 0.7205 , PWRFAB(121) = 0.7205 \$
 CRD NO....22 PURFAB(30) = 1.174 , PURFAB(121) = 1.174 \$
 CRD NO....23 PWRREC(30) = 0.560 , PWRREC(121) = 0.560 \$
 CRD NO....24 PURREC(30) = 0.560 , PURREC(121) = 0.560 \$
 CRD NO....25 LFYUR = 2000 , LFYPUR = 2000 \$
 CRD NO....26 RL21 = 0.70 , RL31 = 0.70 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003570
 00003580
 00003590
 00003600
 00003610
 00003620
 00003630
 00003640
 00003650
 00003660
 00003670
 00003680
 00003690
 00003700
 00003710
 00003720
 00003730
 00003740
 00003750
 00003760
 00003770
 00003780
 00003790
 00003800
 00003805
 00003810

00003820

CRD NO....1 \$\$

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	741.6	986.1	658.4	0.	1502.71	2086.54	1041.29
2	975.8	821.4	588.9	0.	1429.09	1843.96	1041.29
3	971.9	821.4	592.8	0.	1382.17	1851.06	1041.29
4	968.3	821.4	596.4	0.	1353.09	1858.33	1041.29
5	964.3	821.4	600.4	0.	1335.82	1865.28	1041.29

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	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	940.	34.9	609.	0.	0.	0.	0.	0.	0.	22.5	330.	17.5	64.	14.8	266.	0.	0.
96	987.	37.5	633.	0.	0.	0.	0.	0.	0.	23.0	353.	18.5	68.	16.6	285.	0.	0.
97	1036.	40.3	660.	0.	0.	0.	0.	0.	0.	23.5	376.	21.6	74.	17.4	301.	0.	0.
98	1088.	43.3	688.	0.	0.	0.	0.	0.	0.	24.0	400.	23.3	81.	17.2	319.	0.	0.
99	1142.	46.4	718.	0.	0.	0.	0.	0.	0.	24.5	423.	24.7	88.	17.3	335.	0.	0.
00	1199.	49.8	753.	1.0	1.	0.2	0.	0.8	1.	24.0	445.	26.1	96.	16.4	349.	0.	0.
01	1241.	15.7	753.	2.0	3.	0.2	0.	1.8	3.	43.2	485.	27.5	102.	37.2	383.	0.	0.
02	1285.	17.0	753.	4.0	7.	0.3	1.	3.7	7.	44.9	524.	29.8	108.	38.3	416.	0.	0.
03	1330.	17.8	755.	6.0	13.	0.4	1.	5.6	12.	45.2	561.	32.5	116.	37.3	445.	0.	0.
04	1376.	18.7	760.	9.0	22.	0.7	2.	8.8	21.	44.6	594.	35.0	125.	35.6	469.	0.	0.
05	1424.	19.6	758.	12.0	34.	1.3	3.	10.9	31.	44.1	632.	37.3	135.	34.3	497.	0.	0.
06	1474.	24.4	760.	14.0	48.	2.1	4.	12.1	44.	40.9	666.	39.3	144.	31.5	522.	0.	0.
07	1526.	25.6	763.	16.0	64.	3.2	7.	13.3	57.	41.6	699.	42.0	154.	32.1	545.	0.	0.
08	1579.	23.9	770.	18.0	82.	4.5	11.	14.2	71.	38.5	727.	44.7	163.	25.7	564.	0.	0.
09	1634.	24.9	778.	20.0	102.	5.9	16.	15.4	86.	35.5	754.	47.3	173.	25.6	581.	0.	0.
10	1691.	30.0	791.	53.5	156.	7.5	21.	48.2	135.	0.	745.	49.4	183.	0.	562.	0.	0.
11	1751.	31.3	804.	55.6	211.	9.4	27.	49.5	184.	0.	735.	51.4	193.	0.	542.	0.	0.
12	1812.	32.5	819.	57.8	269.	14.5	37.	47.7	232.	0.	724.	51.8	200.	0.	524.	0.	0.
13	1875.	33.8	834.	60.1	329.	19.9	51.	46.0	278.	0.	712.	52.1	205.	0.	508.	0.	0.
14	1941.	35.2	850.	62.4	391.	25.2	69.	44.8	323.	0.	699.	52.4	208.	0.	492.	0.	0.
15	2009.	36.6	867.	64.9	456.	30.3	90.	44.0	366.	0.	685.	52.7	209.	0.	476.	0.	0.
16	2079.	38.1	885.	67.4	524.	35.3	111.	46.7	413.	0.	670.	52.8	210.	0.	460.	0.	0.
17	2152.	39.6	904.	70.1	594.	41.7	133.	48.3	461.	0.	654.	52.2	210.	0.	444.	0.	0.
18	2227.	41.2	923.	72.9	667.	48.4	156.	49.6	511.	0.	637.	51.5	209.	1.0	428.	0.	0.
19	2305.	42.9	943.	75.8	743.	55.2	181.	50.8	562.	0.	619.	50.8	207.	1.9	412.	0.	0.
20	2386.	44.7	964.	78.8	821.	62.1	208.	52.0	614.	0.	600.	50.0	204.	2.8	396.	0.	0.
21	2339.	0.	938.	0.	821.	69.0	235.	0.	587.	0.	580.	49.3	202.	2.9	379.	0.	0.
22	2290.	0.	909.	0.	821.	76.0	262.	0.	559.	0.	560.	48.1	198.	3.4	362.	0.	0.
23	2239.	0.	878.	0.	821.	75.4	283.	0.	539.	0.	539.	46.8	194.	4.0	345.	0.	0.

24	2184.	0.	846.	0.	821.	74.8	295.	0.	526.	0.	517.	45.5	190.	4.5	327.	0.	0.
25	2127.	0.	811.	0.	821.	75.0	301.	0.	520.	0.	494.	44.2	185.	5.0	310.	0.	0.
26	2066.	0.	773.	0.	821.	75.9	301.	0.1	520.	0.	471.	42.9	179.	5.2	292.	0.	0.
27	2002.	0.	733.	0.	821.	77.6	303.	0.	518.	0.	448.	41.3	174.	5.5	274.	0.	0.
28	1938.	0.	690.	0.	821.	76.4	305.	0.	516.	0.	424.	39.7	168.	5.8	256.	0.	0.
29	1864.	0.	643.	0.	821.	75.0	305.	0.	516.	0.	399.	38.1	162.	6.1	237.	0.	0.
30	1789.	0.	594.	0.	820.	74.0	303.	1.9	517.	0.	375.	36.4	156.	6.4	220.	0.	0.
31	1728.	0.	578.	0.	818.	73.4	299.	4.2	520.	0.	332.	34.8	149.	6.6	183.	0.	0.
32	1663.	0.	561.	0.	814.	73.3	296.	3.2	519.	0.	287.	33.0	142.	6.7	145.	0.	0.
33	1594.	0.	543.	0.	808.	73.5	294.	1.5	514.	0.	242.	30.2	134.	7.9	108.	0.	0.
34	1521.	0.	524.	0.	799.	73.3	293.	0.7	506.	0.	198.	27.3	125.	9.1	72.	0.	0.
35	1446.	0.	505.	0.	787.	72.8	293.	0.6	495.	0.	153.	24.5	115.	10.3	38.	0.	0.
36	1366.	0.	480.	0.	773.	72.0	292.	1.3	482.	0.	113.	21.7	104.	11.3	9.	0.	0.
37	1283.	0.	455.	0.	757.	70.9	289.	2.6	468.	0.	71.	-2.6	71.	11.2	0.	0.	0.
38	1206.	0.	431.	0.	739.	69.7	285.	3.5	454.	0.	36.	-8.1	36.	0.	0.	0.	0.
39	1125.	0.	406.	0.	719.	68.4	281.	4.4	438.	0.	0.	-11.0	0.	0.	0.	0.	0.
40	1042.	0.	376.	0.	666.	66.8	275.	5.2	390.	0.	0.	21.7	0.	0.	0.	0.	0.
41	955.	0.	345.	0.	610.	64.9	270.	6.0	340.	0.	0.	-2.6	0.	0.	0.	0.	0.
42	865.	0.	312.	0.	552.	59.7	260.	10.1	293.	0.	0.	-8.1	0.	0.	0.	0.	0.
43	771.	0.	278.	0.	492.	54.3	246.	14.1	247.	0.	0.	-11.0	0.	0.	0.	0.	0.
44	673.	0.	243.	0.	430.	49.0	228.	17.8	202.	0.	0.	21.7	0.	0.	0.	0.	0.
45	572.	0.	207.	0.	365.	43.9	207.	21.0	158.	0.	0.	-2.6	0.	0.	0.	0.	0.
46	466.	0.	168.	0.	298.	38.8	186.	20.8	112.	0.	0.	-8.1	0.	0.	0.	0.	0.
47	356.	0.	129.	0.	227.	32.4	164.	21.8	63.	0.	0.	-11.0	0.	0.	0.	0.	0.
48	242.	0.	89.	0.	155.	28.7	141.	23.3	14.	0.	0.	21.7	0.	0.	0.	0.	0.
49	123.	0.	45.	0.	79.	0.	79.	0.	0.	0.	0.	-2.6	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-8.1	0.	0.	0.	0.	0.

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PAGE 1

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 9 , LWR AND HTGR-HC -- WITH REPROCESSING)\$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , IBTOPW = 1977 \$
 CRD NO....4 CPUINV = 0.000738 \$
 CRD NO....5 PWSFI = 0.02255 \$
 CRD NO....6 SPECIF(1) = 1120. , 1120. \$
 CRD NO....7 BUPRLD(1) = 1161111. , 1161111. \$
 CRD NO....8 EFFICY(1) = .38. , .38 \$
 CRD NO....9 PURCIN = 693.2 \$
 CRD NO...10 PURCDC = 861.2 \$
 CRD NO...11 PURPCR(30) = 0.1005 , PURPCR(121) = 0.1005 \$
 CRD NO...12 PURPIS(30) = 0.01115 , PURPIS(121) = 0.01115 \$
 CRD NO...13 PWRPUP(40) = 0.204 , PWRPUP(121) = 0.204 \$
 CRD NO...14 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
 CRD NO...15 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
 CRD NO...16 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
 CRD NO...17 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
 CRD NO...18 EPNINT(1) = .93. , .93 \$
 CRD NO...19 EPNRLD(1) = .93. , .93 \$
 CRD NO...20 EPNOUT(1) = .50. , .50 \$
 CRD NO...21 PWRFAB(30) = 1.01 , PWRFAB(121) = 1.01 \$
 CRD NO...22 PURFAB(30) = 1.65 , PURFAB(121) = 1.65 \$
 CRD NO...23 PWRREC(30) = 0.916 , PWRREC(121) = 0.916 \$
 CRD NO...24 PURREC(30) = 0.916 , PURREC(121) = 0.916 \$
 CRD NO...25 LFYUR = 2000 , LFYPUR = 2000 \$
 CRD NO...26 RL21 = 0.70 , RL31 = 0.70 \$\$
 A-297 DTA CALL NO.....2 INPUT EDITS

00003840
 00003850
 00003860
 00003870
 00003880
 00003890
 00003900
 00003910
 00003920
 00003930
 00003940
 00003950
 00003960
 00003970
 00003980
 00003990
 00004000
 00004010
 00004020
 00004030
 00004040
 00004050
 00004060
 00004070
 00003805
 00004080

CRD NO....1 \$\$

00004090

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	738.3	989.3	658.4	0.	1645.83	3475.79	1041.29
2	982.3	821.4	582.4	0.	1558.80	3025.06	1041.29
3	975.8	821.4	588.9	0.	1505.05	3047.20	1041.29
4	968.3	821.4	596.4	0.	1473.58	3069.78	1041.29
5	968.3	821.4	596.4	0.	1452.60	3069.78	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
***** (T H O U S A N D S O F M W) *****																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	460.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	38.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	940.	34.9	609.	0.	0.	0.	0.	0.	0.	22.5	330.	17.5	64.	14.8	266.	0.	0.
96	987.	37.5	633.	0.	0.	0.	0.	0.	0.	23.0	353.	18.5	68.	18.6	285.	0.	0.
97	1036.	40.3	660.	0.	0.	0.	0.	0.	0.	23.5	376.	21.6	74.	17.4	301.	0.	0.
98	1088.	43.3	688.	0.	0.	0.	0.	0.	0.	24.0	400.	23.3	81.	17.2	319.	0.	0.
99	1142.	46.4	718.	0.	0.	0.	0.	0.	0.	24.5	423.	24.7	88.	17.3	335.	0.	0.
00	1199.	49.8	753.	1.0	1.	0.2	0.	0.8	1.	24.0	445.	26.1	96.	16.4	349.	0.	0.
01	1241.	16.7	753.	2.0	3.	0.2	0.	1.8	3.	43.2	485.	27.5	102.	37.2	383.	0.	0.
02	1285.	17.0	753.	4.0	7.	0.3	1.	3.7	7.	44.9	524.	29.8	108.	38.3	416.	0.	0.
03	1330.	17.8	755.	6.0	13.	0.4	1.	5.6	12.	45.2	561.	32.5	116.	37.3	445.	0.	0.
04	1376.	18.7	760.	9.0	22.	0.7	2.	8.5	21.	44.8	594.	35.0	125.	35.6	469.	0.	0.
05	1424.	19.6	758.	12.0	34.	1.4	3.	10.8	31.	44.1	632.	37.3	135.	34.3	497.	0.	0.
06	1474.	24.4	760.	14.0	48.	2.2	5.	12.1	43.	40.9	666.	39.3	144.	31.5	522.	0.	0.
07	1526.	25.6	763.	16.0	64.	3.3	8.	13.1	56.	41.6	699.	42.0	154.	32.1	545.	0.	0.
08	1579.	23.9	770.	18.0	82.	4.6	12.	14.0	70.	35.5	727.	44.7	163.	25.7	564.	0.	0.
09	1634.	28.9	782.	20.0	102.	6.1	15.	15.2	86.	31.5	750.	47.3	173.	21.6	577.	0.	0.
10	1691.	30.0	795.	53.5	156.	8.0	22.	47.8	134.	0.	741.	49.4	183.	0.	558.	0.	0.
11	1751.	31.3	808.	55.6	211.	10.1	29.	48.8	182.	0.	731.	51.2	193.	0.	539.	0.	0.
12	1812.	32.5	823.	57.8	269.	15.7	40.	46.7	229.	0.	720.	51.6	199.	0.	521.	0.	0.
13	1875.	33.8	838.	60.1	329.	21.5	55.	44.7	274.	0.	708.	51.9	204.	0.	504.	0.	0.
14	1941.	35.2	854.	62.4	391.	27.2	75.	43.2	317.	0.	695.	52.3	207.	0.	488.	0.	0.
15	2009.	36.6	871.	64.9	456.	32.7	97.	42.3	359.	0.	681.	52.5	208.	0.	473.	0.	0.
16	2079.	38.1	889.	67.4	524.	38.2	120.	44.9	404.	0.	666.	52.5	209.	0.	457.	0.	0.
17	2162.	39.6	908.	70.1	594.	46.2	144.	45.4	450.	0.	650.	51.9	209.	0.0	441.	0.	0.
18	2227.	41.2	927.	72.9	667.	54.5	172.	45.5	495.	0.	633.	51.2	208.	1.0	425.	0.	0.
19	2305.	42.9	947.	75.8	743.	62.8	202.	45.7	541.	0.	615.	50.5	206.	1.9	409.	0.	0.
20	2386.	44.7	968.	78.8	821.	70.8	234.	46.2	587.	0.	596.	49.8	203.	2.7	393.	0.	0.
21	2339.	0.	942.	0.	821.	78.8	267.	0.	554.	0.	576.	49.0	200.	2.9	376.	0.	0.
22	0.	0.	913.	0.	821.	86.7	299.	0.	522.	0.	556.	47.8	197.	3.5	359.	0.	0.
23	9.	0.	882.	0.	821.	87.1	323.	0.	498.	0.	535.	46.5	197.	4.0	342.	0.	0.

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24	2184.	0.	850.	0.	821.	87.5	340.	0.	481.	0.	513.	45.2	188.	4.6	324.	0.	0.
25	2127.	0.	815.	0.	821.	88.7	350.	0.	471.	0.	490.	43.9	183.	5.0	307.	0.	0.
26	2066.	0.	777.	0.	821.	90.7	354.	0.	467.	0.	467.	42.8	178.	5.2	288.	0.	0.
27	2002.	0.	737.	0.	821.	93.4	360.	0.	461.	0.	444.	41.0	173.	5.5	271.	0.	0.
28	1935.	0.	694.	0.	821.	90.4	363.	0.	458.	0.	420.	39.4	167.	5.8	253.	0.	0.
29	1864.	0.	647.	0.	821.	87.2	362.	1.5	460.	0.	395.	37.8	161.	6.1	235.	0.	0.
30	1789.	0.	598.	0.	820.	85.0	356.	5.7	464.	0.	371.	36.1	154.	6.4	217.	0.	0.
31	1728.	0.	582.	0.	818.	83.8	347.	9.6	472.	0.	328.	34.5	148.	6.6	180.	0.	0.
32	1663.	0.	565.	0.	814.	83.5	340.	6.9	475.	0.	283.	32.7	141.	6.7	142.	0.	0.
33	1594.	0.	547.	0.	808.	83.9	336.	3.3	472.	0.	238.	29.9	133.	7.9	105.	0.	0.
34	1521.	0.	528.	0.	799.	83.7	335.	1.3	464.	0.	194.	27.0	124.	9.1	69.	0.	0.
35	1446.	0.	509.	0.	787.	83.2	334.	0.6	453.	0.	150.	24.2	114.	10.3	36.	0.	0.
36	1366.	0.	484.	0.	773.	82.6	333.	0.9	440.	0.	109.	21.4	103.	11.3	6.	0.	0.
37	1283.	0.	459.	0.	757.	81.8	331.	2.1	426.	0.	67.	-5.6	67.	11.2	0.	0.	0.
38	1206.	0.	435.	0.	739.	81.1	329.	2.6	411.	0.	32.	-8.4	32.	0.	0.	0.	0.
39	1125.	0.	406.	0.	719.	80.0	326.	3.2	394.	0.	0.	-7.4	0.	0.	0.	0.	0.
40	1042.	0.	378.	0.	666.	78.3	321.	4.3	345.	0.	0.	21.4	0.	0.	0.	0.	0.
41	955.	0.	345.	0.	610.	76.0	315.	5.8	295.	0.	0.	-5.6	0.	0.	0.	0.	0.
42	865.	0.	312.	0.	552.	70.2	304.	10.9	248.	0.	0.	-8.4	0.	0.	0.	0.	0.
43	771.	0.	278.	0.	492.	64.2	289.	15.8	204.	0.	0.	-7.4	0.	0.	0.	0.	0.
44	673.	0.	243.	0.	430.	58.5	269.	19.8	161.	0.	0.	21.4	0.	0.	0.	0.	0.
45	572.	0.	207.	0.	365.	52.8	246.	23.1	119.	0.	0.	-5.6	0.	0.	0.	0.	0.
46	466.	0.	168.	0.	298.	47.3	223.	22.9	75.	0.	0.	-8.4	0.	0.	0.	0.	0.
47	356.	0.	129.	0.	227.	39.3	198.	25.0	30.	0.	0.	-7.4	0.	0.	0.	0.	0.
48	242.	0.	88.	0.	155.	15.1	155.	0.	0.	0.	0.	21.4	0.	0.	0.	0.	0.
49	123.	0.	45.	0.	79.	0.	79.	0.	0.	0.	0.	-5.6	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-8.4	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES										TOTALS	
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR				FBR				WITH PU	W+O PU	
						FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES			
77	11.45	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.	0.	33.95	33.95	
78	19.44	9.17	0.	28.61	30.43	2.49	1.34	0.70	0.	0.	0.	0.	0.	63.56	63.56	
79	26.96	13.58	0.	40.54	44.87	3.86	2.29	1.30	0.	0.	0.	0.	0.	92.85	92.85	
80	34.26	18.11	0.	52.37	58.81	5.31	3.29	1.97	0.	0.	0.	0.	0.	121.75	121.75	
A-300	81	41.26	22.88	0.	64.13	72.25	6.86	4.35	2.70	0.	0.	0.	0.	0.	150.28	150.28
	82	48.00	27.80	0.	75.80	85.22	8.49	5.48	3.49	0.	0.	0.	0.	0.	178.47	178.47
	83	54.51	32.87	0.	87.38	97.71	10.21	6.66	4.34	0.	0.	0.	0.	0.	206.31	206.31
	84	60.82	38.06	0.	98.88	109.74	12.03	7.91	5.26	0.	0.	0.	0.	0.	233.82	233.82
	85	66.95	43.33	0.	110.28	121.33	13.93	9.22	6.23	0.	0.	0.	0.	0.	261.00	261.00
	86	72.94	48.66	0.	121.59	132.46	15.91	10.59	7.25	0.19	0.19	0.	0.	0.	287.81	287.81
	87	78.79	54.02	0.	132.81	143.16	18.03	11.77	8.18	0.39	0.39	0.	0.	0.	313.94	313.94
	88	84.53	59.39	0.	143.93	153.43	20.27	12.94	9.10	0.59	0.59	0.	0.	0.	339.67	339.67
	89	90.19	64.78	0.	154.94	163.31	22.63	14.13	10.01	0.79	0.79	0.	0.	0.	365.02	365.02
	90	95.76	70.10	0.	165.86	172.80	25.10	15.32	10.92	0.99	0.99	0.	0.	0.	390.00	390.00
	91	101.65	75.41	0.	177.06	181.91	27.63	16.72	11.92	1.27	1.27	0.	0.	0.	415.24	415.24
	92	107.62	80.54	0.	188.16	190.64	30.23	18.06	12.89	1.57	1.57	0.	0.	0.	439.98	439.98
	93	113.67	85.50	0.	199.17	199.01	32.89	19.39	13.86	1.87	1.87	0.	0.	0.	464.32	464.32
	94	119.70	90.40	0.	210.11	207.04	35.61	20.74	14.82	2.17	2.17	0.	0.	0.	488.31	488.31
	95	125.82	95.13	0.	220.96	214.74	38.38	22.07	15.78	2.48	2.48	0.	0.	0.	511.92	511.92
96	132.02	99.70	0.	231.72	222.14	41.17	23.47	16.76	2.81	2.81	0.	0.	0.	535.26	535.26	
97	138.31	104.09	0.	242.40	229.27	43.98	24.84	17.73	3.16	3.16	0.	0.	0.	558.22	558.22	
98	144.67	108.33	0.	253.00	236.14	46.80	26.20	18.69	3.51	3.51	0.	0.	0.	580.83	580.83	
99	151.11	112.41	0.	263.52	242.78	49.64	27.55	19.64	3.86	3.86	0.	0.	0.	603.11	603.11	
00	157.62	116.35	0.	273.97	249.20	52.46	28.88	20.58	4.22	4.22	0.	0.	0.	625.10	625.10	
01	159.57	123.07	0.	282.64	255.15	55.37	30.55	21.67	4.59	4.59	0.	0.	0.	645.37	645.37	
02	161.55	129.96	0.	291.51	260.66	58.35	32.29	22.80	4.98	4.98	0.	0.	0.	665.60	665.60	
03	163.51	136.79	0.	300.30	265.77	61.38	34.06	23.96	5.39	5.39	0.	0.	0.	685.47	685.47	
04	165.45	143.57	0.	309.02	270.52	64.46	35.94	25.15	5.84	5.84	0.	0.	0.	705.09	705.09	
05	167.37	150.29	0.	317.66	274.87	67.59	37.91	26.36	6.34	6.34	0.	0.	0.	724.39	724.39	
06	169.62	156.53	0.	326.14	278.87	70.76	39.95	27.56	6.90	6.90	0.	0.	0.	743.28	743.28	
07	171.84	162.71	0.	334.55	282.63	73.96	41.99	28.73	7.53	7.53	0.	0.	0.	761.86	761.86	
08	173.80	168.16	0.	341.96	286.20	77.17	44.05	29.87	8.21	8.21	0.	0.	0.	779.25	779.25	
09	176.04	173.13	0.	349.18	289.63	80.36	46.11	30.99	8.96	8.96	0.	0.	0.	796.27	796.27	
10	178.24	178.30	0.	356.54	292.93	83.54	48.41	32.29	9.77	9.77	0.	0.	0.	813.70	813.70	
11	180.39	183.36	0.	363.76	296.11	86.69	50.73	33.56	10.72	10.72	0.	0.	0.	830.84	830.84	
12	182.51	188.33	0.	370.84	299.17	89.82	53.04	34.77	11.80	11.80	0.	0.	0.	847.63	847.63	
13	184.58	193.19	0.	377.78	302.12	92.91	55.37	35.93	13.01	13.01	0.	0.	0.	864.11	864.11	
14	186.62	197.96	0.	384.59	304.98	95.97	57.71	37.03	14.35	14.35	0.	0.	0.	880.27	880.27	
15	188.62	202.64	0.	391.26	307.73	98.99	60.08	38.09	15.81	15.81	0.	0.	0.	896.16	896.16	

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16	190.58	207.23	0.	397.81	310.40	101.96	62.59	39.17	17.42	17.42	0.	0.	0.	911.51	911.91
17	192.51	211.73	0.	404.24	312.99	104.90	65.36	40.18	19.25	19.25	0.	0.	0.	927.64	927.84
18	194.40	216.14	0.	410.54	315.50	107.79	68.30	41.15	21.29	21.29	0.	0.	0.	943.28	943.28
19	196.26	220.47	0.	416.73	317.94	110.63	71.41	42.11	23.51	23.51	0.	0.	0.	958.81	958.81
20	198.08	224.71	0.	422.79	320.30	113.43	74.67	43.04	25.93	25.93	0.	0.	0.	974.23	974.23
21	198.08	224.71	0.	422.79	322.48	116.04	77.05	43.70	28.54	28.54	0.	0.	0.	982.07	982.07
22	198.08	224.71	0.	422.79	324.48	118.48	79.34	44.30	31.09	31.09	0.	0.	0.	989.39	989.39
23	198.08	224.71	0.	422.79	326.33	120.75	81.47	44.83	33.58	33.58	0.	0.	0.	996.17	996.17
24	198.08	224.71	0.	422.79	328.01	122.86	83.47	45.31	36.02	36.02	0.	0.	0.	1002.44	1002.44
25	198.08	224.71	0.	422.79	329.54	124.82	85.33	45.74	38.42	38.42	0.	0.	0.	1008.23	1008.23
26	198.08	224.71	0.	422.79	330.93	126.64	86.98	46.13	40.75	40.75	0.	0.	0.	1013.47	1013.47
27	198.08	224.71	0.	422.79	332.17	128.32	88.52	46.49	42.91	42.91	0.	0.	0.	1018.29	1018.29
28	198.08	224.71	0.	422.79	333.27	129.89	89.92	46.81	44.91	44.91	0.	0.	0.	1022.69	1022.69
29	198.08	224.71	0.	422.79	334.24	131.33	91.23	47.12	46.77	46.77	0.	0.	0.	1026.71	1026.71
30	198.08	224.71	0.	422.79	335.09	132.66	92.48	47.41	48.49	48.49	0.	0.	0.	1030.44	1030.44
31	198.08	224.71	0.	422.79	335.87	133.87	93.51	47.67	50.11	50.11	0.	0.	0.	1033.71	1033.71
32	198.08	224.71	0.	422.79	336.61	134.98	94.35	47.89	51.63	51.63	0.	0.	0.	1036.60	1036.60
33	198.08	224.71	0.	422.79	337.29	135.95	95.03	48.07	53.05	53.05	0.	0.	0.	1039.14	1039.14
34	198.08	224.71	0.	422.79	337.93	136.83	95.58	48.23	54.35	54.35	0.	0.	0.	1041.37	1041.37
35	198.08	224.71	0.	422.79	338.52	137.62	96.03	48.38	55.58	55.58	0.	0.	0.	1043.32	1043.32
36	198.08	224.71	0.	422.79	339.06	138.32	96.40	48.46	56.68	56.68	0.	0.	0.	1045.05	1045.05
37	198.08	224.71	0.	422.79	339.56	138.93	96.69	48.55	57.86	57.86	0.	0.	0.	1046.53	1046.53
38	198.08	224.71	0.	422.79	340.00	139.46	96.89	48.62	59.09	59.09	0.	0.	0.	1047.78	1047.78
39	198.08	224.71	0.	422.79	340.40	139.92	97.08	48.69	60.36	60.36	0.	0.	0.	1048.89	1048.89
40	198.08	224.71	0.	422.79	340.78	140.33	97.16	48.71	61.47	61.47	0.	0.	0.	1049.75	1049.75
41	198.08	224.71	0.	422.79	341.06	140.68	97.20	48.73	62.48	62.48	0.	0.	0.	1050.46	1050.46
42	198.08	224.71	0.	422.79	341.33	140.98	97.24	48.74	63.40	63.40	0.	0.	0.	1051.07	1051.07
43	198.08	224.71	0.	422.79	341.55	141.23	97.29	48.74	64.23	64.23	0.	0.	0.	1051.60	1051.60
44	198.08	224.71	0.	422.79	341.74	141.44	97.33	48.74	64.93	64.93	0.	0.	0.	1052.05	1052.05
45	198.08	224.71	0.	422.79	341.89	141.61	97.37	48.74	65.56	65.56	0.	0.	0.	1052.41	1052.41
46	198.08	224.71	0.	422.79	342.01	141.74	97.37	48.74	66.11	66.11	0.	0.	0.	1052.68	1052.68
47	198.08	224.71	0.	422.79	342.09	141.84	97.37	48.74	66.59	66.49	0.	0.	0.	1052.74	1052.84
48	198.08	224.71	0.	422.79	342.15	141.90	97.37	48.74	66.96	66.74	0.	0.	0.	1052.73	1052.96
49	198.08	224.71	0.	422.79	342.18	141.93	97.37	48.74	67.28	66.98	0.	0.	0.	1052.71	1053.02
50	198.08	224.71	0.	422.79	342.18	141.93	97.37	48.74	67.58	67.22	0.	0.	0.	1052.65	1053.02

6763T 02 03-14-78 02.978

CRD NO....1 (CASE #10 , LWR AND PBR-78 WITH REPROCESSING) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1=2051. , IBTOPW=1977 \$
 CRD NO....4 CPUINV=0.02758 \$
 CRD NO....5 PWSFI=0.08247 \$
 CRD NO....6 SPECIF(1)=2513. , 2513. \$
 CRD NO....7 BUPRLD(1)=918000.0, 918000. \$
 CRD NO....8 PURCIN=274.0 \$
 CRD NO....9 PURCDC=344.0 \$
 CRD NO....10 PURPIS(30)=0.03803, PURPIS(121)=0.03803 \$
 CRD NO....11 PURPCR(30)=0.233 , PURPCR(121)=0.233 \$
 CRD NO....12 PWRPUP(40)=0.864, PWRPUP(121)=0.864 \$
 CRD NO....13 PWRDEC(30)=0.02674, PWRDEC(121)=0.02674 \$
 CRD NO....14 PWRIEC(30)=0.01151, PWRIEC(121)=0.01151 \$
 CRD NO....15 PWRDUC(30)=0.05305, PWRDUC(121)=0.05305 \$
 CRD NO....16 PWRIUC(30)=0.03343, PWRIUC(121)=0.03343 \$
 CRD NO....17 EPNINT(1)=0.93, 0.93 \$
 CRD NO....18 EPNRLD(1)=0.93, 0.93 \$
 CRD NO....19 EPNOUT(1)=0.002, 0.002 \$
 CRD NO....20 PWRFAB(30)=0.835, PWRFAB(121)=0.835 \$
 CRD NO....21 PURFAB(30)=1.828, PURFAB(121)=1.828 \$
 CRD NO....22 PWRREC(30)=1.566, PWRREC(121)=1.566 \$
 CRD NO....23 PURREC(30)=1.398, PURREC(121)=1.398 \$
 CRD NO....24 LFYUR=1995 , LFYPUR=1995 \$\$
 DTA CALL NO.....8 INPUT EDITS

00004092
 00004093
 00004094
 00004095
 00004096
 00004097
 00004098
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 00004100
 00004101
 00004102
 00004103
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 00004109
 00004110
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 00004112
 00004113
 00004114
 00004115

00004116

A-CRD NO....1 \$\$

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	710.3	883.6	665.9	0.	1478.85	1072.11	1041.29
2	941.1	722.4	619.3	0.	1419.89	966.34	1041.29
3	930.1	726.2	626.0	0.	1384.75	974.68	1041.29
4	930.1	726.2	626.0	0.	1361.33	974.68	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.8	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.8	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.8	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	940.	34.9	609.	0.	0.	0.3	0.	0.	0.	22.8	330.	17.5	64.	14.8	266.	0.	0.
A-96	987.	37.8	633.	0.	0.	0.0	0.	0.	0.	23.0	353.	18.5	68.	18.6	285.	0.	0.
97	1036.	40.3	660.	0.	0.	0.	0.	0.	0.	23.5	376.	21.8	74.	17.4	301.	0.	0.
98	1088.	43.3	688.	0.	0.	0.	0.	0.	0.	24.0	400.	23.3	81.	17.2	319.	0.	0.
99	1142.	46.4	718.	0.	0.	0.3	0.	0.	0.	24.8	423.	24.7	88.	17.3	335.	0.	0.
00	1199.	49.8	753.	1.0	1.	1.0	1.	0.	0.	23.9	445.	26.1	96.	16.3	349.	0.	0.
01	1241.	15.7	753.	1.8	3.	1.6	3.	0.1	0.	43.2	485.	27.5	102.	37.2	383.	0.	0.
02	1284.	17.0	753.	3.8	7.	0.3	3.	3.2	3.	44.9	524.	29.8	108.	38.3	416.	0.	0.
03	1328.	15.4	753.	5.3	12.	0.6	4.	4.9	8.	47.6	563.	32.5	116.	39.7	447.	0.	0.
04	1373.	16.2	755.	7.8	20.	1.3	4.	7.6	16.	47.1	599.	35.0	125.	38.2	474.	0.	0.
05	1420.	17.0	751.	10.5	30.	2.1	4.	10.1	28.	46.7	639.	37.4	135.	36.8	504.	0.	0.
06	1468.	17.8	746.	12.3	42.	3.4	7.	9.2	35.	47.5	680.	39.8	145.	37.7	535.	0.	0.
07	1518.	21.6	745.	14.0	56.	5.4	12.	9.2	44.	45.8	717.	42.4	154.	35.7	562.	0.	0.
08	1569.	20.1	748.	15.8	72.	7.4	18.	9.7	54.	39.2	749.	45.5	165.	28.8	584.	0.	0.
09	1622.	21.0	752.	17.5	89.	9.9	26.	9.7	63.	39.5	780.	48.2	176.	28.7	604.	0.	0.
10	1672.	25.9	761.	50.5	140.	12.7	35.	41.1	104.	0.	771.	50.6	187.	0.	584.	0.	0.
11	1723.	27.0	770.	52.4	192.	18.1	46.	41.8	146.	0.	761.	52.8	197.	0.	564.	0.	0.
12	1777.	32.5	784.	50.6	243.	26.4	65.	31.8	178.	0.	750.	53.2	205.	0.	545.	0.	0.
13	1833.	33.8	800.	52.6	295.	36.8	92.	25.7	203.	0.	738.	53.6	210.	0.	528.	0.	0.
14	1891.	35.2	816.	54.6	350.	45.0	124.	22.4	226.	0.	725.	54.0	214.	0.	511.	0.	0.
15	1951.	36.6	833.	56.8	407.	52.0	160.	20.8	247.	0.	711.	54.3	215.	0.	496.	0.	0.
16	2013.	38.1	851.	59.0	466.	58.4	192.	27.0	274.	0.	696.	54.6	217.	0.	479.	0.	0.
17	2077.	39.6	870.	61.3	527.	69.7	225.	28.4	302.	0.	680.	53.9	217.	0.	463.	0.	0.
18	2143.	41.2	889.	63.8	591.	82.4	263.	26.3	328.	0.	663.	53.3	216.	0.7	447.	0.	0.
19	2211.	42.9	909.	66.3	657.	93.8	304.	24.6	353.	0.	645.	52.6	214.	1.7	431.	0.	0.
20	2262.	44.7	930.	68.9	726.	103.6	350.	23.7	377.	0.	626.	51.9	212.	2.7	414.	0.	0.
21	2236.	0.	903.	0.	726.	112.6	392.	0.	334.	0.	606.	51.2	209.	2.8	397.	0.	0.
22	2187.	0.	875.	0.	726.	121.1	431.	0.	295.	0.	586.	49.9	206.	3.3	380.	0.	0.
23	2135.	0.	844.	0.	726.	116.6	454.	0.	272.	0.	565.	48.7	202.	3.9	363.	0.	0.

24	2080.	0.	812.	0.	728.	113.2	463.	0.	263.	0.	543.	47.4	197.	4.5	345.	0.	0.
25	2023.	0.	777.	0.	726.	112.8	464.	0.	262.	0.	520.	46.1	192.	5.0	328.	0.	0.
26	1962.	0.	739.	0.	726.	114.9	457.	6.2	269.	0.	497.	44.8	187.	5.1	310.	0.	0.
27	1899.	0.	699.	0.	726.	118.9	460.	0.	266.	0.	474.	43.3	182.	5.4	292.	0.	0.
28	1831.	0.	656.	0.	726.	112.9	460.	0.2	267.	0.	450.	41.6	176.	5.8	274.	0.	0.
29	1760.	0.	609.	0.	726.	106.0	453.	6.8	273.	0.	425.	40.0	170.	6.1	255.	0.	0.
30	1686.	0.	559.	0.	725.	102.2	440.	12.7	285.	0.	401.	38.4	163.	6.4	238.	0.	0.
31	1625.	0.	544.	0.	723.	102.0	423.	18.9	300.	0.	358.	36.7	167.	6.5	201.	0.	0.
32	1560.	0.	527.	0.	720.	104.5	415.	8.5	305.	0.	313.	35.0	150.	6.7	163.	0.	0.
33	1491.	0.	511.	0.	715.	108.7	417.	0.	297.	0.	266.	32.2	142.	7.8	123.	0.	0.
34	1420.	0.	495.	0.	707.	109.4	424.	0.	282.	0.	218.	29.3	133.	9.1	85.	0.	0.
35	1346.	0.	478.	0.	696.	107.7	430.	0.	266.	0.	172.	26.3	123.	10.4	49.	0.	0.
36	1269.	0.	460.	0.	684.	105.7	431.	0.	253.	0.	124.	23.4	111.	11.6	13.	0.	0.
37	1187.	0.	439.	0.	670.	104.2	427.	4.4	243.	0.	79.	-0.3	79.	11.6	0.	0.	0.
38	1112.	0.	419.	0.	654.	103.9	422.	5.4	233.	0.	39.	-9.9	39.	0.	0.	0.	0.
39	1034.	0.	398.	0.	637.	102.8	417.	5.0	220.	0.	-0.	-13.1	-0.	0.	0.	0.	0.
40	958.	0.	372.	0.	686.	99.2	410.	6.5	176.	0.	-0.	23.4	-0.	0.	0.	0.	0.
41	879.	0.	345.	0.	534.	94.0	400.	10.2	134.	0.	-0.	-0.3	-0.	0.	0.	0.	0.
42	796.	0.	312.	0.	483.	82.0	378.	21.9	105.	0.	-0.	-9.9	-0.	0.	0.	0.	0.
43	709.	0.	278.	0.	431.	70.8	346.	31.9	85.	0.	-0.	-13.1	-0.	0.	0.	0.	0.
44	619.	0.	243.	0.	376.	63.2	310.	36.1	66.	0.	-0.	23.4	-0.	0.	0.	0.	0.
45	526.	0.	207.	0.	319.	57.1	273.	37.0	46.	0.	-0.	-0.3	-0.	0.	0.	0.	0.
46	429.	0.	168.	0.	260.	51.0	242.	31.0	18.	0.	-0.	-9.9	-0.	0.	0.	0.	0.
47	328.	0.	129.	0.	199.	27.8	199.	0.	0.	0.	-0.	-13.1	-0.	0.	0.	0.	0.
48	223.	0.	88.	0.	135.	0.	135.	0.	0.	0.	-0.	23.4	-0.	0.	0.	0.	0.
49	114.	0.	45.	0.	69.	0.	69.	0.	0.	0.	-0.	-0.3	-0.	0.	0.	0.	0.
50	0.	0.	-0.	0.	0.	0.	0.	0.	0.	0.	-0.	-9.9	-0.	0.	0.	0.	0.

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PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

ECONOMIC COST CASE																

YR	CAPITAL INVESTMENTS				EXPENSES											
**	*****				*****											
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS		
	*****	*****	*****	*****	*****	*****				*****				*****		
						FABRICATION					FABRICATION					
						RECOVERY	URANIUM	PU	PU	RECOVERY	PU	PU	WITH	W/O		
						O&M	FEED	SALES	PURCHASES	O&M	SALES	PURCHASES	PU	PU		
						O&M	SEP WK			O&M						
77	11.45	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.	33.96	33.96		
78	19.44	9.17	0.	28.61	30.42	2.49	1.35	0.70	0.	0.	0.	0.	63.57	63.57		
79	26.96	13.58	0.	40.54	44.86	3.86	2.29	1.30	0.	0.	0.	0.	92.86	92.86		
80	34.26	18.11	0.	52.37	58.80	5.32	3.30	1.98	0.	0.	0.	0.	121.76	121.76		
81	41.26	22.86	0.	64.13	72.24	6.86	4.38	2.71	0.	0.	0.	0.	150.30	150.30		
82	48.00	27.80	0.	75.80	85.20	8.50	5.49	3.51	0.	0.	0.	0.	178.49	178.49		
83	54.51	32.87	0.	87.38	97.69	10.22	6.88	4.36	0.	0.	0.	0.	206.34	206.34		
84	60.82	38.06	0.	98.88	109.73	12.04	7.93	5.28	0.	0.	0.	0.	233.85	233.85		
85	66.95	43.33	0.	110.28	121.31	13.94	9.24	6.25	0.	0.	0.	0.	261.03	261.03		
86	72.94	48.66	0.	121.59	132.44	15.93	10.61	7.27	0.19	0.19	0.	0.	287.84	287.84		
87	78.79	54.02	0.	132.81	143.14	18.04	11.79	8.20	0.39	0.39	0.	0.	313.98	313.98		
88	84.53	59.39	0.	143.93	153.41	20.29	12.97	9.12	0.59	0.59	0.	0.	339.71	339.71		
89	90.19	64.76	0.	154.94	163.28	22.65	14.15	10.04	0.79	0.79	0.	0.	365.06	365.06		
90	95.76	70.10	0.	165.86	172.77	25.12	15.34	10.95	0.99	0.99	0.	0.	390.05	390.05		
91	101.65	75.41	0.	177.06	181.89	27.65	16.75	11.95	1.27	1.27	0.	0.	415.29	415.29		
92	107.62	80.54	0.	188.16	190.61	30.25	18.09	12.92	1.57	1.57	0.	0.	440.03	440.03		
93	113.67	85.50	0.	199.17	198.98	32.91	19.42	13.89	1.87	1.87	0.	0.	464.38	464.38		
94	119.70	90.40	0.	210.11	207.01	35.63	20.77	14.86	2.19	2.19	0.	0.	488.37	488.37		
95	125.82	95.13	0.	220.96	214.71	38.40	22.10	15.81	2.50	2.49	0.	0.	511.97	511.98		
96	132.02	99.70	0.	231.72	222.11	41.19	23.50	16.80	2.85	2.83	0.	0.	535.30	535.32		
97	138.31	104.09	0.	242.40	229.24	44.01	24.88	17.77	3.20	3.17	0.	0.	558.26	558.28		
98	144.67	108.33	0.	253.00	236.11	46.83	26.23	18.72	3.55	3.53	0.	0.	580.87	580.89		
99	151.11	112.41	0.	263.52	242.73	49.67	27.58	19.67	3.91	3.92	0.	0.	603.17	603.16		
00	157.62	116.33	0.	273.95	249.16	52.49	28.89	20.60	4.26	4.32	0.	0.	625.15	625.10		
01	159.57	123.01	0.	282.57	255.12	55.41	30.53	21.65	4.63	4.68	0.	0.	645.33	645.28		
02	161.55	129.82	0.	291.37	260.63	58.39	32.22	22.74	5.02	5.07	0.	0.	665.41	665.35		
03	163.25	136.86	0.	300.11	265.71	61.45	33.97	23.87	5.44	5.49	0.	0.	685.16	685.10		
04	164.93	143.79	0.	308.72	270.41	64.56	35.81	25.03	5.90	5.96	0.	0.	704.58	704.53		
05	166.59	150.63	0.	317.22	274.68	67.75	37.75	26.19	6.42	6.48	0.	0.	723.64	723.59		
06	168.23	157.38	0.	325.61	278.54	71.00	39.80	27.38	7.03	7.08	0.	0.	742.39	742.34		
07	170.11	163.75	0.	333.86	282.14	74.31	41.84	28.53	7.70	7.76	0.	0.	760.73	760.67		
08	171.76	169.32	0.	341.09	285.52	77.64	43.89	29.68	8.46	8.51	0.	0.	777.85	777.79		
09	173.39	174.78	0.	348.17	288.70	80.99	46.00	30.78	9.29	9.35	0.	0.	794.70	794.64		
10	175.28	179.65	0.	354.93	291.73	84.35	47.98	31.90	10.21	10.26	0.	0.	810.95	810.90		
11	177.14	184.42	0.	361.56	294.62	87.73	50.03	33.04	11.33	11.38	0.	0.	827.03	826.97		
12	179.26	188.76	0.	368.02	297.41	91.09	52.07	34.14	12.64	12.70	0.	0.	842.79	842.73		
13	181.33	193.02	0.	374.35	300.10	94.43	54.14	35.21	14.11	14.16	0.	0.	858.29	858.24		
14	183.37	197.20	0.	380.57	302.70	97.76	56.22	36.24	15.70	15.76	0.	0.	873.54	873.49		
15	185.37	201.29	0.	386.66	305.22	101.06	58.32	37.23	17.39	17.45	0.	0.	888.54	888.49		

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16	187.33	5.30	0.	392.64	307.66	104.33	60.50	38.1	19.23	19.29	0.	0.	0.	903.34	903.34
17	189.28	209.24	0.	398.50	310.04	107.57	62.91	39.18	21.30	21.35	0.	0.	0.	918.25	918.20
18	191.15	213.10	0.	404.25	312.34	110.78	65.48	40.13	23.59	23.65	0.	0.	0.	933.04	932.98
19	193.01	216.89	0.	409.89	314.68	113.94	68.21	41.05	26.08	26.13	0.	0.	0.	947.73	947.68
20	194.83	220.60	0.	415.43	316.78	117.07	71.08	41.94	28.73	28.79	0.	0.	0.	962.34	962.28
21	194.83	220.60	0.	415.43	318.78	120.01	73.78	42.74	31.56	31.61	0.	0.	0.	970.77	970.72
22	194.83	220.60	0.	415.43	320.60	122.75	76.31	43.43	34.24	34.30	0.	0.	0.	978.58	978.53
23	194.83	220.60	0.	415.43	322.29	125.32	78.65	44.02	36.80	36.86	0.	0.	0.	985.76	985.71
24	194.83	220.60	0.	415.43	323.82	127.71	80.80	44.54	39.29	39.34	0.	0.	0.	992.35	992.30
25	194.83	220.60	0.	415.43	325.20	129.93	82.81	45.02	41.75	41.81	0.	0.	0.	998.44	998.39
26	194.83	220.60	0.	415.43	326.45	131.99	84.71	45.46	44.19	44.24	0.	0.	0.	1004.09	1004.04
27	194.83	220.60	0.	415.43	327.56	133.90	86.45	45.87	46.45	46.50	0.	0.	0.	1009.27	1009.22
28	194.83	220.60	0.	415.43	328.54	135.68	88.07	46.24	48.51	48.56	0.	0.	0.	1014.01	1013.96
29	194.83	220.60	0.	415.43	329.39	137.32	89.61	46.60	50.42	50.47	0.	0.	0.	1018.40	1018.35
30	194.83	220.60	0.	415.43	330.12	138.84	91.09	46.94	52.23	52.28	0.	0.	0.	1022.48	1022.43
31	194.83	220.60	0.	415.43	330.80	140.22	92.34	47.25	53.96	54.02	0.	0.	0.	1026.10	1026.04
32	194.83	220.60	0.	415.43	331.43	141.48	93.42	47.52	55.64	55.70	0.	0.	0.	1029.35	1029.29
33	194.83	220.60	0.	415.43	332.03	142.62	94.34	47.76	57.22	57.27	0.	0.	0.	1032.23	1032.18
34	194.83	220.60	0.	415.43	332.58	143.64	95.12	47.97	58.67	58.72	0.	0.	0.	1034.81	1034.75
35	194.83	220.60	0.	415.43	333.10	144.56	95.78	48.15	59.99	60.05	0.	0.	0.	1037.08	1037.02
36	194.83	220.60	0.	415.43	333.59	145.38	96.30	48.29	61.21	61.26	0.	0.	0.	1039.05	1039.00
37	194.83	220.60	0.	415.43	334.04	146.10	96.75	48.41	62.46	62.51	0.	0.	0.	1040.79	1040.74
38	194.83	220.60	0.	415.43	334.45	146.73	97.08	48.52	63.78	63.84	0.	0.	0.	1042.27	1042.21
39	194.83	220.60	0.	415.43	334.84	147.27	97.37	48.61	65.16	65.21	0.	0.	0.	1043.57	1043.52
40	194.83	220.60	0.	415.43	335.18	147.75	97.69	48.69	66.35	66.41	0.	0.	0.	1044.79	1044.73
41	194.83	220.60	0.	415.43	335.49	148.16	97.93	48.74	67.39	67.44	0.	0.	0.	1045.80	1045.74
42	194.83	220.60	0.	415.43	335.75	148.51	98.14	48.78	68.30	68.35	0.	0.	0.	1046.68	1046.62
43	194.83	220.60	0.	415.43	335.98	148.81	98.35	48.82	69.13	69.19	0.	0.	0.	1047.44	1047.38
44	194.83	220.60	0.	415.43	336.16	149.06	98.52	48.85	69.83	69.88	0.	0.	0.	1048.08	1048.02
45	194.83	220.60	0.	415.43	336.32	149.25	98.67	48.86	70.45	70.51	0.	0.	0.	1048.59	1048.54
46	194.83	220.60	0.	415.43	336.43	149.41	98.76	48.87	70.99	70.97	0.	0.	0.	1048.88	1048.90
47	194.83	220.60	0.	415.43	336.52	149.52	98.76	48.87	71.46	71.30	0.	0.	0.	1048.95	1049.10
48	194.83	220.60	0.	415.43	336.57	149.59	98.76	48.87	71.81	71.58	0.	0.	0.	1049.00	1049.23
49	194.83	220.60	0.	415.43	336.60	149.63	98.76	48.87	72.13	71.84	0.	0.	0.	1049.00	1049.29
50	194.83	220.60	0.	415.43	336.60	149.63	98.76	48.87	72.43	72.09	0.	0.	0.	1048.95	1049.29

TABLE A-8

75% PERCEIVED CAPACITY FACTOR FOR PBR COMPUTER OUTPUT

		Present Valued Benefit (Billions of \$)	Case Page Number
CASE 1. No reprocessing and the LWR is the only nuclear option.			
	[1153.80]	--	A-17
CASE 2. With reprocessing and the LWR is the only nuclear option.			
	[1065.34] (Case 1 - Case 2)	88	A-22
CASE 3. No reprocessing and the LWR and PBR-4021 are the only nuclear options.			
	[1108.14] (Case 1 - Case 3)	46	A-313
CASE 4. With reprocessing and the LWR and PBR-4021 are the only nuclear options.			
	[1059.44] (Case 2 - Case 4)	6	A-318
CASE 5. With reprocessing and the LWR, PBR-4021, PBR-PB, and PBR-NB are the only nuclear options.			
	[1061.52] (Case 2 - Case 5)	4	A-323
CASE 6. With reprocessing and the LWR, PBR-4021, PBR-PB, and PBR-PBTBR are the only nuclear options.			
	[1042.42] (Case 2 - Case 6)	23	A-328
CASE 10. With reprocessing and the LWR and PBR-28 are the only nuclear options.			
	[1038.93] (Case 2 - Case 10)	26	A-333

[] = Present valued cost of generating electricity for this case.

DTA CALL NO.....1

INPUT EDITS

CRD NO...1 (***** REFERENCE INFORMATION FOR GCR INCENTIVES CASES *****)\$
CRD NO...2 (DATA LAST CHANGED 1-5-79)\$
CRD NO...3 (BASE DATA SET FOR PBR,S)\$
CRD NO...4 \$
CRD NO...5 (BREEDER PERFORMANCE DATA)\$
CRD NO...6 \$
CRD NO...7 (LMFBR OUT OF CORE RATIOS)\$
CRD NO...8 09(30)=2.5,09(65)=2.5,09(80)=1.5,09(121)=1.5 \$
CRD NO...9 (LMFBR SPECIFIC POWER KWTH/KG PU FISSILE FOR 1ST CORE)\$
CRD NO...10 D3(30)=1000. , D3(121)=1000. \$
CRD NO...11 (LMFBR THERMAL EFFICIENCY)\$
CRD NO...12 D4(30)=0.38,D4(121)=0.38 \$
CRD NO...13 \$
CRD NO...14 (INVENTORY SLOPES)\$
CRD NO...15 \$
CRD NO...16 (INVENTORY ON U-CYCLE LWR PU (MILLS/KW-HR)/(\$/GM PU))\$
CRD NO...17 CBUINV=0.0 , CPUINV=0.00236 \$
CRD NO...18 CGUINV=0.003126 \$
CRD NO...19 (PU CREDIT BASED ON LEVELIZATION PERIOD - (MILLS/KWHR)/(\$/GM))\$
CRD NO...20 BWRSFI =0.0 , PWRSEFI=0.0565\$
CRD NO...21 \$
CRD NO...22 (LWR U-CYCLE & HTGR PERFORMANCE DATA)\$
CRD NO...23 \$
CRD NO...24 (BWR,PWR,HTGR SPECIFIC POWERS -- MWTH/MTU)\$
A-308 CRD NO...25 SPECIF(1)=1838.0,1714.0,28.9 \$
CRD NO...26 (BWR,PWR,HTGR RELOAD BURNUPS -- MWDTH/MTU)\$
CRD NO...27 BUPRLD(1)=1309430.0,571210.0,27800.0 \$
CRD NO...28 (BWR,PWR,HTGR EFFICIENCY)\$
CRD NO...29 EFFICY(1)=0.38,0.38,0.34 \$
CRD NO...30 \$
CRD NO...31 (PLUTONIUM PERFORMANCE DATA)\$
CRD NO...32 \$
CRD NO...33 PURCIN=242.0\$ INVERSE OF 4130.5 KG PU LOAD REQUIREMENT FOR 1000MWE
CRD NO...34 PURCDC=256.0\$ INVERSE OF 3906.5 KG PU DISCHARGE PER 1000MWE
CRD NO...35 (LWR PU RECYCLE PU CONSUMPTION RATE - KG PU/MWE-YR AT 100% CF)\$
CRD NO...36 PURPCR(30) = 0.0748 , PURPCR(121)= 0.0748 \$
CRD NO...37 (LWR PU RECYCLE PLUTONIUM INVENTORY - (MILLS/KWE-HR)/(\$/GM PU))\$
CRD NO...38 PURPIS(30) = 0.06816 , PURPIS(121)= 0.06816 \$
CRD NO...39 (VALUE OF PU AFTER ONE RECYCLE - %/100) \$
CRD NO...40 FPUVAU = 1.0 \$
CRD NO...41 (NET PU PRODUCTION -- KG PU FISSILE/MWE-YR AT 100% CF)\$
CRD NO...42 FBRPUP(30)=0.196,FBRPUP(121)=0.196 \$
CRD NO...43 BWRPUP(30) = 0.0 , BWRPUP(121)= 0.0 \$
CRD NO...44 PWRPUP(40) = 0.516 , PWRPUP(121)= 0.516 \$
CRD NO...45 \$
CRD NO...46 (U-233 PERFORMANCE DATA) \$
CRD NO...47 \$
CRD NO...48 UIRCIN=326.8 \$ INVERSE OF X KG U-233 LOAD REQUIRED FOR 1000 MWE
CRD NO...49 UIRCDC=636.9 \$ INVERSE OF X KG U-233 DISCHARGE PER 1000 MWE

00000280
00000290
00000300
00000310
00000320
00000330
00000340
00000350
00000360
00000370
00000380
00000390
00000400
00000410
00000420
00000430
00000440
00000450
00000460
00000470
00000480
00000490
00000500
00000510
00000520
00000530
00000540
00000550
00000560
00000570
00000580
00000590
00000600
00000610
00000620
00000630
00000640
00000650
00000660
00000670
00000680
00000690
00000700
00000710
00000720
00000730
00000740
00000750
00000760

CRD NO...50 (GCR U-233 CONSUMPTION RATE - KG U-233/MWE-YR AT 100% CF) \$ 00000770
CRD NO...51 UIRICR(30) = 0.6818, UIRICR(121) = 0.6818 \$ 00000780
CRD NO...52 (GCR U-233 RECYCLE INVENTORY - (MILLS/KWE-HRG)/(\$/GM PU)) \$ 00000790
CRD NO...53 UIRIIS(30) = 0.0741, UIRIIS(121) = 0.0741 \$ 00000800
CRD NO...54 (VALUE OF U-233 AFTER ONE RECYCLE - %/100) \$ 00000810
CRD NO...55 FUIVAU = 1.00 \$ 00000820
CRD NO...56 (NET U-233 PRODUCTION -- KG U-233 FISSILE/MWE-YR AT 100% CF) \$ 00000830
CRD NO...57 GCRUIP(45) = 0.235, GCRUIP(121) = 0.235 \$ 00000840
CRD NO...58 (U-233 CREDIT BASED ON LEVELIZATION PERIOD-(MILLS/KWHR)/(\$/GM)) \$ 00000850
CRD NO...59 GCRSFI = 0.0237 00000860
CRD NO...60 \$ 00000870
CRD NO...61 (FUEL SERVICE CHARGES)\$ 00000880
CRD NO...62 \$ 00000890
CRD NO...63 (LWR AND GCR ENRICHMENT COSTS - (M/KWH)/(\$/SWU)) \$ 00000900
CRD NO...64 BWRDEC(30) = 0.0187, BWRDEC(121) = 0.0187 \$ 00000910
CRD NO...65 BWRIEC(30) = 0.0142, BWRIEC(121) = 0.0142 \$ 00000920
CRD NO...66 PWRDEC(30) = 0.0258, PWRDEC(121) = 0.0258 \$ 00000930
CRD NO...67 PWRIEC(30) = 0.0156, PWRIEC(121) = 0.0156 \$ 00000940
CRD NO...68 GCRDEC(30) = 0.0154, GCRDEC(121) = 0.0154 \$ 00000950
CRD NO...69 GCRIEC(30) = 0.00966, GCRIEC(121) = 0.00966 \$ 00000960
CRD NO...70 (SEPARATIVE WORK COST - \$/SWU)\$ 00000970
CRD NO...71 ECOST(30)=61., ECOST(37)=61., ECOST(40)=75., ECOST(45)=85. \$ 00000980
CRD NO...72 ECOST(121)=85. \$ 00000990
CRD NO...73 SWUPCF = 0.0 \$ 00001000
CRD NO...74 CONVER(35)=4.5, CONVER(40)=4.5, CONVER(60)=4.5, CONVER(121)=4.5 \$ 00001010
CRD NO...75 (LWR AND GCR URANIUM COST (MILLS/KWH)/(\$/LB U308)) \$ 00001020
CRD NO...76 BWRDUC(30) = 0.0368, BWRDUC(121) = 0.0368 \$ 00001030
CRD NO...77 BWRIUC(30) = 0.0364, BWRIUC(121) = 0.0364 \$ 00001040
CRD NO...78 PWRDUC(30) = 0.0503, PWRDUC(121) = 0.0503 \$ 00001050
CRD NO...79 PWRIUC(30) = 0.0458, PWRIUC(121) = 0.0458 \$ 00001060
CRD NO...80 GCRDUC(30) = 0.0407, GCRDUC(121) = 0.0407 \$ 00001070
CRD NO...81 GCRIUC(30) = 0.0468, GCRIUC(121) = 0.0468 \$ 00001080
CRD NO...82 (BWR,PWR,HTGR URANIUM INVENTORY FACTORS)\$ 00001090
CRD NO...83 UINVEN(1)=1.50,1.50,1.50 \$ 00001100
CRD NO...84 (BWR,PWR,GCR URANIUM ENRICHMENTS -- WEIGHT PERCENT U235)\$ 00001110
CRD NO...85 EPNINT(1)=.93,.93,.0203 \$ 00001120
CRD NO...86 EPNRLD(1)=.93,.93,.0273 \$ 00001130
CRD NO...87 EPNOUT(1)=.002,.002,.008 \$ 00001140
CRD NO...88 (TAILS COMPOSITION - WT%U235)\$ 00001150
CRD NO...89 TAILS=0.20\$ 00001160
CRD NO...90 TAILSL=0.0001\$ 00001170
CRD NO...91 (FABRICATION CHARGES - MILLS/KWE-HRG)\$ 00001180
CRD NO...92 BWRFAB(30)=.537,BWRFAB(121)=.537 \$ 00001190
CRD NO...93 PWRFAB(30)=1.973,PWRFAB(121)=1.973 \$ 00001200
CRD NO...94 PURFAB(30)=2.025,PURFAB(121)=2.025 \$ 00001210
CRD NO...95 GCRFAB(30)=0.810,GCRFAB(121)=0.810 \$ 00001220
CRD NO...96 UIRFAB(30)=3.00,UIRFAB(121)=3.00 \$ 00001230
CRD NO...97 FBRFAB(30)=1.746,FBRFAB(121)=1.746 \$ 00001240
CRD NO...98 (RECOVERY CHARGES - MILLS/KWE-HRG)\$ 00001250
CRD NO...99 BWRREC(30)=0.1080,BWRREC(121)=0.1080 \$ 00001260
CRD NO...100 PWRREC(30)=1.978,PWRREC(121)=1.978 \$ 00001270
CRD NO...101 PURREC(30)=1.656,PURREC(121)=1.656 \$ 00001280

3286T 02 03-09-79 00.758

CRD NO. 102 GCRREC(30)=1.03,GCRREC(121)=1.03 \$
CRD NO. 103 UIRREC(30)=1.03,UIRREC(121)=1.03 \$
CRD NO. 104 FBRREC(30)=1.353,FBRREC(121)=1.353 \$
CRD NO. 105 (OPERATING & MAINTENANCE COSTS - MILLS/KWE-HRD) \$
CRD NO. 106 FOSOM(30)=1.60,FOSOM(121)=1.60 \$
CRD NO. 107 BWROM(30)=2.12,BWROM(121)=2.12 \$
CRD NO. 108 PWROM(30)=2.12,PWROM(121)=2.12 \$
CRD NO. 109 PUROM(30)=2.12,PUROM(121)=2.12 \$
CRD NO. 110 GCROM(30)=2.12,GCROM(121)=2.12 \$
CRD NO. 111 UIROM(30)=2.12,UIROM(121)=2.12 \$
CRD NO. 112 FBROM(30)=2.12,FBROM(121)=2.12 \$
CRD NO. 113 (CAPITAL COSTS -- \$/KWE) \$
CRD NO. 114 FOCC(1) = 600.0 , 99999.0 , 99999.0 \$
CRD NO. 115 BWRCC(1)=660. , BWRCC(121)=660. \$
CRD NO. 116 PWRCC(1)=660. , PWRCC(121)=660. \$
CRD NO. 117 GCRCC(1)=600. , GCRCC(121)=600. \$
CRD NO. 118 FBRCC(1)=660. , FBRCC(121)=660. \$
CRD NO. 119 \$
CRD NO. 120 (ANNUAL INFLATION RATES - %/100) \$
CRD NO. 121 \$
CRD NO. 122 RATEML(20)=.06,RATEML(121)=.06 \$
CRD NO. 123 RATEM(20)=.06,RATEM(121)=.06 \$
CRD NO. 124 RATEFL(20)=.06,RATEFL(121)=.06 \$
CRD NO. 125 RATEG(1)=.06,RATEG(121)=.06 \$
CRD NO. 126 RATEN(20)=.06,RATEN(121)=.06 \$
CRD NO. 127 JTRIP=150 \$
CRD NO. 128 \$
CRD NO. 129 (MATERIAL AND LABOR SPLITS) \$
CRD NO. 130 \$
CRD NO. 131 FLBFAB=.1,FMBFAB=.9,FLBREC=.3,FMBREC=.2,FLBOM=1.0 \$
CRD NO. 132 FLBCC=1.0,FMBCC=0.00 \$
CRD NO. 133 FLFCC=1.0,FMFCC=0.00,FLFOM=1.0 \$
CRD NO. 134 FLLCC=1.0,FMLCC=0.00 \$
CRD NO. 135 FLLFAB=.61 ,FMLFAB=.39 ,FLLREC=.45,FMLREC=.3 ,FLLOM=1.0 \$
CRD NO. 136 FLLEC=.15 ,FMLEC=.55 ,FLLUC=.5,FMLUC=.4 \$
CRD NO. 137 FLPFAB=.4,FMPFAB=.6,FLPREC=.45,FMPREC=.3,FLPUOM=1.0 \$
CRD NO. 138 FLGCC=1.0,FMGCC=0.00 \$
CRD NO. 139 FLGFAB=.61 ,FMGFAB=.39 ,FLOREC=.45,FMGREC=.3 ,FLGOM=1.0 \$
CRD NO. 140 FLGEC=.15 ,FMGEC=.55 ,FLGUC=.5,FMGUC=.4 \$
CRD NO. 141 FLIFAB=.4,FMIFAB=.6,FLIREC=.45,FMIREC=.3,FLUIOM=1.0 \$
CRD NO. 142 \$
CRD NO. 143 (ECONOMICS - INTEREST & DISCOUNT RATES - %/100) \$
CRD NO. 144 \$
CRD NO. 145 R=0.1024 \$
CRD NO. 146 DRWOTP=0.1236,DRWTP=0.1130 \$
CRD NO. 147 (EFFECTIVE INTEREST RATE PLUS TAXES) \$
CRD NO. 148 EINRPT=0.1556 \$
CRD NO. 149 FBRD30=0.0252 \$
CRD NO. 150 FBRI30=0.1187 \$
CRD NO. 151 FBRI30=0.1300 \$
CRD NO. 152 FBRDJB = 0.0193 , FBRIJB = 0.1288 \$
CRD NO. 153 (AVERAGE CAPITAL CHARGE RATE) \$

00001290
00001300
00001310
00001320
00001330
00001340
00001350
00001360
00001370
00001380
00001390
00001400
00001410
00001420
00001430
00001440
00001450
00001460
00001470
00001480
00001490
00001500
00001510
00001520
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00001600
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00001710
00001720
00001730
00001740
00001750
00001760
00001770
00001780
00001790
00001800

A-310

CRD NO..154 AVECCR=0.1464 \$
 CRD NO..155 ACCR30 = 0.1380 \$
 CRD NO..156 (REGIONAL CAPITAL CHARGE RATE MULTIPLIERS)\$
 CRD NO..157 CCR(1)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 CRD NO..158 CCR(10)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 CRD NO..159 CCR(19)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
 CRD NO..160 \$
 CRD NO..161 (MISCELLANEOUS INPUTS)\$
 CRD NO..162 \$
 CRD NO..163 A1=2.0,A3=0.5465 \$
 CRD NO..164 (YR IN WHICH URAN RECYCLE BEGINS & TIME TO DEPLETION)\$
 CRD NO..165 LFYUR =2005 , LTDURS = 1 \$
 CRD NO..166 (YR IN WHICH PU RECYCLE BEGINS & TIME TO DEPLETION OF STOCKPILE)\$
 CRD NO..167 LFYPUR = 2005 \$
 CRD NO..168 LTDPUS = 4 \$
 CRD NO..169 (YR OF GCR INTRO, YR U-233 RECYCLE BEGINS, YRS TO STOCK DEplete) \$
 CRD NO..170 G1 = 1995. , LFYUIR = 1990 , LTDUIS = 10 \$
 CRD NO..171 (FRACTION OF THE CAPITAL COST WHICH IS INTEREST DURING CONSTRUCTION)\$
 CRD NO..172 CINDC = 0.0 \$
 CRD NO..173 HTGRF = 0.00 \$
 CRD NO..174 GCRLIM(1)=1.,2.,4.,6.,9.,12.,14.,16.,18.,20. \$
 CRD NO..175 FBRLIM(1)=1.,2.,4.,6.,9.,12.,14.,16.,18.,20. \$
 CRD NO..176 JB = 16 \$
 CRD NO..177 NY = 2050 , LYEAR = 2020 , D1 = 2010. \$
 CRD NO..178 IFIRST = 2001 \$
 CRD NO..179 IBTOPW = 2005 \$
 CRD NO..180 (CAPACITY FACTOR INFORMATION)\$
 CRD NO..181 RL11 = 0.70 , RL21 = 0.75 , RL31 = 0.75 , RL61 = 0.70 \$
 CRD NO..182 C(1)=1.0,C(6)=1.0,C(40)=.815,C(81)=.421,C(82)=0.0 \$
 CRD NO..183 (BWR TO LWR FRACTION)\$
 CRD NO..184 BWRLWR=1.00\$
 CRD NO..185 NOUT(1)=1,3,1,1,1,1,1,0,0,0,1,0,1,1,1,1,0,0,1,0 \$
 CRD NO..186 NOUT(21)=1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1 \$
 DTA CALL NO.....2 INPUT EDITS

00001810
 00001820
 00001830
 00001840
 00001850
 00001860
 00001870
 00001880
 00001890
 00001900
 00001910
 00001920
 00001930
 00001940
 00001950
 00001960
 00001970
 00001980
 00001990
 00002000
 00002010
 00002020
 00002030
 00002040
 00002050
 00002060
 00002070
 00002080
 00002090
 00002100
 00002110
 00002120
 00002130

CRD NO....1 (CURRENT AVERAGE FOSSIL FUEL COST FOR EXISTING PLANTS - C/MBTU)\$
 CRD NO....2 CAFOFC = 90.0 \$
 CRD NO....3 (AVERAGE FOSSIL FUEL COSTS - COAL - OIL - GAS - CENTS/MBTU)\$
 CRD NO....4 AFOFC(1) = 100.0, 999999.0, 999999.0 \$
 CRD NO....5 (FOSSIL FUEL COST MULTIPLIERS - FOFC(I,J) - I=FUEL,J=REGION)\$
 CRD NO....6 FOFC(1,1) = 1.108,1.,1. \$
 CRD NO....7 FOFC(1,2) = 1.617,1.,1. \$
 CRD NO....8 FOFC(1,3) = 1.617,1.,1. \$
 CRD NO....9 FOFC(1,4) = 1.913,1.,1. \$
 CRD NO...10 FOFC(1,5) = 0.726,1.,1. \$
 CRD NO...11 FOFC(1,6) = 1.082,1.,1. \$
 CRD NO...12 FOFC(1,7) = 1.082,1.,1. \$
 CRD NO...13 FOFC(1,8) = 1.610,1.,1. \$
 CRD NO...14 FOFC(1,9) = 0.699,1.,1. \$
 CRD NO...15 FOFC(1,10)= 1.240,1.,1. \$
 CRD NO...16 FOFC(1,11)= 1.240,1.,1. \$

00002140
 00002150
 00002160
 00002170
 00002180
 00002190
 00002200
 00002210
 00002220
 00002230
 00002240
 00002250
 00002260
 00002270
 00002280
 00002290

CRD NO...17 FOFC(1,12)= 1.728,1.,1. \$ 00002300
 CRD NO...18 FOFC(1,13)= 0.475,1.,1. \$ 00002310
 CRD NO...19 FOFC(1,14)= 0.765,1.,1. \$ 00002320
 CRD NO...20 FOFC(1,15)= 0.765,1.,1. \$ 00002330
 CRD NO...21 FOFC(1,16)= 0.990,1.,1. \$ 00002340
 CRD NO...22 FOFC(1,17)= 0.237,1.,1. \$ 00002350
 CRD NO...23 FOFC(1,18)= 0.237,1.,1. \$ 00002360
 CRD NO...24 FOFC(1,19)= 0.581,1.,1. \$ 00002370
 CRD NO...25 FOFC(1,20)= 1.003,1.,1. \$ 00002380
 CRD NO...26 FOFC(1,21)= 0.396,1.,1. \$ 00002390
 CRD NO...27 FOFC(1,22)= 0.396,1.,1. \$ 00002400
 CRD NO...28 FOFC(1,23)= 1.346,1.,1. \$ 00002410
 CRD NO...29 FOFC(1,24)= 1.346,1.,1. \$ 00002420
 CRD NO...30 (FOSSIL FUEL ESCALATION RATES)\$ 00002430
 CRD NO...31 FFER(1,30)=.01147,.01147,.01147 \$ 00002440
 CRD NO...32 FFER(1,121)=.01147,.01147,.01147 \$ 00002450
 CRD NO...33 (FOSSIL THERMAL EFFICIENCIES) 00002460
 CRD NO...34 FEFF(1) = 0.38 , 0.38 , 0.38 \$ 00002470
 CRD NO...35 (NUCLEAR LABOR COST MULTIPLIERS BY REGION)\$ 00002480
 CRD NO...36 LCMN(1) = 1.086,1.086,1.086,1.086,0.935,0.935,0.935,0.935,1.036,1.036 \$ 00002490
 CRD NO...37 LCMN(11)=1.036,1.036,0.985,0.985,0.985,0.985,0.960,0.960,0.960,0.960 \$ 00002500
 CRD NO...38 LCMN(21)= 0.998,0.998,0.998,0.998 \$ 00002510
 CRD NO...39 (FOSSIL LABOR COST MULTIPLIERS BY REGION)\$ 00002520
 CRD NO...40 LCMF(1) =1.072,1.072,1.072,1.072,0.936,0.936,0.936,0.936,1.030,1.030 \$ 00002530
 CRD NO...41 LCMF(11)=1.030,1.030,1.001,1.001,1.001,1.001,0.959,0.959,0.959,0.959 \$ 00002540
 CRD NO...42 LCMF(21)=0.857,0.857,0.857,0.857 \$ 00002550
 CRD NO...43 (GROWTH RATES)\$ 00002560
 CRD NO...44 GROW(20)=0.05,GROW(60)=0.05,GROW(61)=0.035,GROW(80)=0.035 \$ 00002570
 CRD NO...45 GROW(81)=0.05 00002580
 CRD NO...46 RGROW(1)=0.852,0.852,0.852,0.852,1.239,1.239,1.239,1.239,0.936,0.936 \$ 00002590
 CRD NO...47 RGROW(11)=0.936,0.936,0.937,0.937,0.937,0.937,1.239,1.239,1.239,1.239 \$ 00002600
 CRD NO...48 RGROW(21)=1.014,1.014,1.014,1.014 \$ 00002610
 CRD NO...49 (1975 REGIONAL INSTALLED CAPACITIES - MWE)\$ 00002620
 CRD NO...50 CAPBY(1)=26109.,16038.,16039.,16411.,13729.,20190.,26650. \$ 00002630
 CRD NO...51 CAPBY(9)=16931.,18744.,18745.,6047.,8134.,12426.,12426.,12200. \$ 00002640
 CRD NO...52 CAPBY(17)=16304.,16304.,8454.,19323.,13802.,13802.,20703.,20703. \$\$ 00002650

THE ABOVE CASE HAS BEEN SKIPPED (A1 IS GREATER THAN 1.0).

START OF CASE (
 DTA CALL NO.....7

030979
 INPUT EDITS

CRD NO....1 (CASE # 3 , LWR AND 4021 - NO RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , IBTOPW = 2051 \$
 CRD NO....4 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 \$
 CRD NO....5 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 \$
 CRD NO....6 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 \$
 CRD NO....7 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 \$
 CRD NO....8 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 \$
 CRD NO....9 UIRREC(30) = 0.475 , UIRREC(121) = 0.475 \$
 CRD NO...10 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 \$
 CRD NO...11 LFYUIR = 2051 , LFYPUR = 2051 \$
 CRD NO...12 GCRSFI = 0.0 , CGUINV = 0.0 \$
 CRD NO...13 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO...14 EPNOUT(3) = 0.002 \$\$
 DTA CALL NO.....8
 INPUT EDITS

00002880
 00002890
 00002900
 00002910
 00002920
 00002930
 00002940
 00002950
 00002960
 00002970
 00002980
 00002990
 00003000
 00003010

CRD NO....1 \$\$

00003020

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	867.4	1044.1	325.4	0.	1929.66	1803.38	1041.29
2	1106.3	867.5	288.3	0.	1913.90	1758.26	1041.29
3	1100.2	872.8	288.3	0.	1903.75	1759.27	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
***** (T H O U S A N D S O F M W) *****																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	0.	0.	16.0	171.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	0.	0.	17.0	188.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	0.	0.	18.0	206.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	0.	0.	19.0	225.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	0.	0.	20.0	244.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	0.	0.	20.5	265.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	0.	0.	21.0	286.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	0.	0.	22.0	308.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	0.	0.	21.4	329.	0.	0.
A-314 96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	0.	0.	20.7	350.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	0.	0.	18.9	368.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	0.	0.	17.1	385.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	0.	0.	14.2	398.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	0.	0.	11.3	407.	0.	0.
01	1234.	18.6	756.	14.0	48.	0.	0.	14.0	48.	26.3	430.	0.	0.	26.3	430.	0.	0.
02	1275.	20.1	759.	16.0	64.	0.	0.	16.0	64.	27.5	452.	0.	0.	27.5	452.	0.	0.
03	1318.	24.7	768.	18.0	82.	0.	0.	18.0	82.	23.8	467.	0.	0.	23.8	467.	0.	0.
04	1361.	25.8	780.	20.0	102.	0.	0.	20.0	102.	23.6	479.	0.	0.	23.6	479.	0.	0.
05	1404.	27.1	786.	42.5	145.	0.	0.	42.5	145.	0.	473.	0.	0.	0.	473.	0.	0.
06	1447.	28.4	792.	44.6	189.	0.	0.	44.6	189.	0.	466.	0.	0.	0.	466.	0.	0.
07	1492.	29.8	799.	46.7	236.	0.	0.	46.7	236.	0.	458.	0.	0.	0.	458.	0.	0.
08	1539.	27.8	809.	43.4	279.	0.	0.	43.4	279.	0.	451.	0.	0.	0.	451.	0.	0.
09	1588.	28.9	821.	45.1	324.	0.	0.	45.1	324.	0.	442.	0.	0.	0.	442.	0.	0.
10	1638.	30.0	834.	46.8	371.	0.	0.	46.8	371.	0.	433.	0.	0.	0.	433.	0.	0.
11	1691.	33.3	850.	46.8	418.	0.	0.	46.8	418.	0.	423.	0.	0.	0.	423.	0.	0.
12	1746.	41.0	873.	43.2	461.	0.	0.	43.2	461.	0.	412.	0.	0.	0.	412.	0.	0.
13	1803.	42.6	897.	44.8	506.	0.	0.	44.8	506.	0.	400.	0.	0.	0.	400.	0.	0.
14	1862.	44.4	922.	46.6	553.	0.	0.	46.6	553.	0.	387.	0.	0.	0.	387.	0.	0.
15	1923.	46.2	949.	48.4	601.	0.	0.	48.4	601.	0.	373.	0.	0.	0.	373.	0.	0.
16	1986.	48.1	977.	50.3	651.	0.	0.	50.3	651.	0.	358.	0.	0.	0.	358.	0.	0.
17	2052.	50.0	1006.	52.2	703.	0.	0.	52.2	703.	0.	342.	0.	0.	0.	342.	0.	0.
18	2119.	52.1	1036.	54.3	758.	0.	0.	54.3	758.	0.	325.	0.	0.	0.	325.	0.	0.
19	2189.	54.2	1068.	56.4	814.	0.	0.	56.4	814.	0.	307.	0.	0.	0.	307.	0.	0.
20	2261.	56.4	1100.	58.6	873.	0.	0.	58.6	873.	0.	288.	0.	0.	0.	288.	0.	0.
21	2215.	0.	1074.	0.	873.	0.	0.	0.	873.	0.	268.	0.	0.	0.	268.	0.	0.
22		0.	1045.	0.	873.	0.	0.	0.	873.	0.	248.	0.	0.	0.	248.	0.	0.
23		0.	1014.	0.	873.	0.	0.	0.	873.	0.	227.	0.	0.	0.	227.	0.	0.

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[illegible]

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES											
**	*****				*****											
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS		
	*****	*****	*****	*****	*****	*****				*****				*****		
						FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU				
					FUEL	RECOVERY	FEED	SEP	SALES	PURCHASES	RECOVERY	SALES	PURCHASES	WITH	W/O	
					O&M	O&M		WK			O&M			PU	PU	
77	11.45	5.18	0.	16.63	15.47	1.04	0.48	0.18	0.	0.	0.	0.	0.	33.80	33.80	
78	19.44	9.17	0.	28.61	30.42	2.15	1.50	0.72	0.	0.	0.	0.	0.	63.40	63.40	
79	26.96	13.58	0.	40.54	44.86	3.33	2.61	1.33	0.	0.	0.	0.	0.	92.68	92.68	
80	34.26	18.11	0.	52.37	58.80	4.59	3.78	2.02	0.	0.	0.	0.	0.	121.57	121.57	
81	41.26	22.86	0.	64.13	72.24	5.92	5.05	2.77	0.	0.	0.	0.	0.	150.11	150.11	
82	48.00	27.80	0.	75.80	85.20	7.33	6.38	3.59	0.	0.	0.	0.	0.	178.30	178.30	
83	54.51	32.87	0.	87.38	97.69	8.82	7.79	4.46	0.	0.	0.	0.	0.	206.14	206.14	
84	60.82	38.06	0.	98.88	109.73	10.38	9.27	5.40	0.	0.	0.	0.	0.	233.66	233.66	
85	66.95	43.33	0.	110.28	121.31	12.02	10.84	6.40	0.	0.	0.	0.	0.	260.85	260.85	
86	72.94	48.66	0.	121.59	132.47	13.73	12.48	7.43	0.	0.	0.	0.	0.	287.71	287.71	
87	78.79	54.02	0.	132.81	143.22	15.51	14.19	8.51	0.	0.	0.	0.	0.	314.24	314.24	
88	84.53	59.39	0.	143.93	153.54	17.35	15.98	9.62	0.	0.	0.	0.	0.	340.42	340.42	
89	90.19	64.76	0.	154.94	163.46	19.26	17.85	10.76	0.	0.	0.	0.	0.	366.26	366.26	
90	95.76	70.10	0.	165.86	172.99	21.22	19.78	11.92	0.	0.	0.	0.	0.	391.78	391.78	
91	101.65	75.41	0.	177.06	182.15	23.24	21.79	13.11	0.	0.	0.	0.	0.	417.35	417.35	
92	107.62	80.54	0.	188.16	190.94	25.30	23.84	14.32	0.	0.	0.	0.	0.	442.56	442.56	
93	113.67	85.50	0.	199.17	199.40	27.39	25.92	15.54	0.	0.	0.	0.	0.	467.43	467.43	
94	119.70	90.40	0.	210.11	207.55	29.52	28.03	16.78	0.	0.	0.	0.	0.	491.98	491.98	
95	125.82	95.13	0.	220.95	215.39	31.67	30.16	18.02	0.	0.	0.	0.	0.	516.19	516.19	
96	132.02	99.67	0.	231.69	222.95	33.84	32.30	19.28	0.	0.	0.	0.	0.	540.06	540.06	
97	138.31	104.03	0.	242.34	230.27	36.01	34.44	20.53	0.	0.	0.	0.	0.	563.59	563.59	
98	144.67	108.22	0.	252.89	237.31	38.18	36.56	21.79	0.	0.	0.	0.	0.	586.74	586.74	
99	151.11	112.24	0.	263.35	244.11	40.35	38.67	23.06	0.	0.	0.	0.	0.	609.53	609.53	
00	157.62	116.09	0.	273.71	250.74	42.48	40.84	24.32	0.	0.	0.	0.	0.	632.09	632.09	
01	159.92	122.26	0.	282.18	256.92	44.66	43.37	25.70	0.	0.	0.	0.	0.	652.84	652.84	
02	162.27	128.57	0.	290.84	262.67	46.88	46.10	27.12	0.	0.	0.	0.	0.	673.60	673.60	
03	164.98	134.32	0.	299.29	268.09	49.10	48.94	28.54	0.	0.	0.	0.	0.	693.96	693.96	
04	167.65	139.99	0.	307.64	273.23	51.32	51.92	29.97	0.	0.	0.	0.	0.	714.08	714.08	
05	170.30	145.48	0.	315.78	278.01	53.53	54.87	31.43	0.	0.	0.	0.	0.	733.62	733.62	
06	172.92	150.91	0.	323.83	282.47	55.73	57.94	32.92	0.	0.	0.	0.	0.	752.88	752.88	
07	175.51	156.27	0.	331.78	286.70	57.91	61.02	34.39	0.	0.	0.	0.	0.	771.81	771.81	
08	177.79	160.98	0.	338.77	290.76	60.08	64.23	35.84	0.	0.	0.	0.	0.	789.68	789.68	
09	180.03	165.59	0.	345.62	294.65	62.22	67.60	37.30	0.	0.	0.	0.	0.	807.39	807.39	
10	182.23	170.11	0.	352.34	298.39	64.33	71.14	38.75	0.	0.	0.	0.	0.	824.95	824.95	
11	184.53	174.37	0.	358.90	302.00	66.41	74.92	40.19	0.	0.	0.	0.	0.	842.42	842.42	
12	187.19	178.08	0.	365.27	305.56	68.44	79.02	41.59	0.	0.	0.	0.	0.	859.89	859.89	
13	189.81	181.71	0.	371.52	309.06	70.43	83.49	42.97	0.	0.	0.	0.	0.	877.47	877.47	
14	192.38	185.27	0.	377.65	312.51	72.36	88.31	44.33	0.	0.	0.	0.	0.	895.17	895.17	
15	194.90	188.76	0.	383.66	315.91	74.25	93.47	45.68	0.	0.	0.	0.	0.	912.97	912.97	

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	1	3		56	1.26	6.1	98.	47										
17	199.81	195.53	0.	395.34	322.57	77.90	104.62	48.30	0.	0.	0.	0.	0.	0.	0.	0.	936.00	936.00
18	202.20	198.82	0.	401.02	325.84	79.65	110.40	49.58	0.	0.	0.	0.	0.	0.	0.	0.	948.73	948.73
19	204.55	202.04	0.	406.59	329.07	81.36	116.07	50.84	0.	0.	0.	0.	0.	0.	0.	0.	966.48	966.48
20	206.85	205.20	0.	412.05	332.27	83.02	121.65	52.08	0.	0.	0.	0.	0.	0.	0.	0.	983.93	983.93
21	206.85	205.20	0.	412.05	335.24	84.57	126.25	53.11	0.	0.	0.	0.	0.	0.	0.	0.	1001.07	1001.07
22	206.85	205.20	0.	412.05	338.00	86.00	130.53	54.08	0.	0.	0.	0.	0.	0.	0.	0.	1011.22	1011.22
23	206.85	205.20	0.	412.05	340.55	87.32	134.51	54.97	0.	0.	0.	0.	0.	0.	0.	0.	1020.65	1020.65
24	206.85	205.20	0.	412.05	342.90	88.53	138.20	55.80	0.	0.	0.	0.	0.	0.	0.	0.	1029.39	1029.39
25	206.85	205.20	0.	412.05	345.06	89.66	141.62	56.58	0.	0.	0.	0.	0.	0.	0.	0.	1037.48	1037.48
26	206.85	205.20	0.	412.05	347.04	90.70	144.79	57.28	0.	0.	0.	0.	0.	0.	0.	0.	1044.96	1044.96
27	206.85	205.20	0.	412.05	348.83	91.65	147.73	57.93	0.	0.	0.	0.	0.	0.	0.	0.	1051.85	1051.85
28	206.85	205.20	0.	412.05	350.47	92.53	150.45	58.54	0.	0.	0.	0.	0.	0.	0.	0.	1058.20	1058.20
29	206.85	205.20	0.	412.05	351.94	93.34	152.98	59.10	0.	0.	0.	0.	0.	0.	0.	0.	1064.05	1064.05
30	206.85	205.20	0.	412.05	353.26	94.09	155.32	59.62	0.	0.	0.	0.	0.	0.	0.	0.	1069.41	1069.41
31	206.85	205.20	0.	412.05	354.49	94.76	157.31	60.07	0.	0.	0.	0.	0.	0.	0.	0.	1074.33	1074.33
32	206.85	205.20	0.	412.05	355.64	95.36	159.07	60.49	0.	0.	0.	0.	0.	0.	0.	0.	1078.68	1078.68
33	206.85	205.20	0.	412.05	356.70	95.90	160.64	60.88	0.	0.	0.	0.	0.	0.	0.	0.	1082.60	1082.60
34	206.85	205.20	0.	412.05	357.68	96.38	162.03	61.19	0.	0.	0.	0.	0.	0.	0.	0.	1086.15	1086.15
35	206.85	205.20	0.	412.05	358.58	96.81	163.30	61.48	0.	0.	0.	0.	0.	0.	0.	0.	1089.33	1089.33
36	206.85	205.20	0.	412.05	359.41	97.19	164.42	61.73	0.	0.	0.	0.	0.	0.	0.	0.	1092.22	1092.22
37	206.85	205.20	0.	412.05	360.16	97.52	165.39	61.96	0.	0.	0.	0.	0.	0.	0.	0.	1094.80	1094.80
38	206.85	205.20	0.	412.05	360.85	97.81	166.25	62.15	0.	0.	0.	0.	0.	0.	0.	0.	1097.08	1097.08
39	206.85	205.20	0.	412.05	361.48	98.07	168.98	62.32	0.	0.	0.	0.	0.	0.	0.	0.	1099.11	1099.11
40	206.85	205.20	0.	412.05	362.06	98.29	167.59	62.46	0.	0.	0.	0.	0.	0.	0.	0.	1100.90	1100.90
41	206.85	205.20	0.	412.05	362.57	98.48	168.11	62.58	0.	0.	0.	0.	0.	0.	0.	0.	1102.45	1102.45
42	206.85	205.20	0.	412.05	363.02	98.64	168.55	62.68	0.	0.	0.	0.	0.	0.	0.	0.	1103.79	1103.79
43	206.85	205.20	0.	412.05	363.39	98.77	168.91	62.76	0.	0.	0.	0.	0.	0.	0.	0.	1104.93	1104.93
44	206.85	205.20	0.	412.05	363.71	98.88	169.18	62.83	0.	0.	0.	0.	0.	0.	0.	0.	1105.88	1105.88
45	206.85	205.20	0.	412.05	363.96	98.97	169.38	62.88	0.	0.	0.	0.	0.	0.	0.	0.	1106.65	1106.65
46	206.85	205.20	0.	412.05	364.16	99.04	169.51	62.91	0.	0.	0.	0.	0.	0.	0.	0.	1107.24	1107.24
47	206.85	205.20	0.	412.05	364.30	99.09	169.57	62.93	0.	0.	0.	0.	0.	0.	0.	0.	1107.67	1107.67
48	206.85	205.20	0.	412.05	364.40	99.12	169.57	62.94	0.	0.	0.	0.	0.	0.	0.	0.	1107.95	1107.95
49	206.85	205.20	0.	412.05	364.44	99.14	169.57	62.94	0.	0.	0.	0.	0.	0.	0.	0.	1108.08	1108.08
50	206.85	205.20	0.	412.05	364.44	99.14	169.57	62.94	0.00	0.	0.	0.	0.	0.	0.	0.	1108.14	1108.14

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3286T 02 03-09-79 00.818

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 4 , LWR AND 4021 - WITH RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO....4 D1 = 2051.0 , IBTOPW = 2051 , LFYUIR = 2051 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003040
 00003050
 00003060
 00003070

CRD NO....1 \$\$

00003080

NCCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	758.8	1139.1	325.4	0.	1686.51	1571.33	1041.29
2	985.8	951.6	312.6	0.	1615.38	1367.66	1041.29
3	964.2	968.4	315.1	0.	1575.07	1389.02	1041.29
4	952.5	978.6	315.1	0.	1548.54	1389.00	1041.29

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	UNIT	NEW	INST	NEW	INST	NEW	INST	NEW	INST	NEW	INST	NEW	INST	NEW	INST	NEW	INST
	THERM	FOS	FOS	GCR	GCR	RECYC	RECYC	UFUEL	UFUEL	LWR	LWR	RECYC	RECYC	UFUEL	UFUEL	FAST	FAST
						GCR	GCR	GCR	GCR			LWR	LWR	LWR	LWR		
***** (T H O U S A N D S O F M W) *****																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	15.0	155.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.5	163.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	8.7	172.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.2	181.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	9.8	191.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.8	265.	14.1	42.	17.8	208.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.7	223.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.3	237.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	22.0	308.	16.5	56.	14.7	252.	0.	0.
96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	21.4	329.	17.5	64.	13.6	265.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	20.7	350.	18.5	68.	16.3	282.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	18.9	368.	21.5	74.	12.9	294.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	17.1	385.	23.1	81.	10.6	304.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	14.2	398.	24.2	87.	7.4	311.	0.	0.
01	1234.	13.6	751.	14.0	48.	0.	0.	14.0	48.	11.3	407.	25.3	94.	4.5	313.	0.	0.
02	1275.	14.7	749.	16.0	64.	0.	0.	16.0	64.	31.3	435.	26.2	99.	26.6	336.	0.	0.
03	1318.	15.4	749.	18.0	82.	0.	0.	18.0	82.	32.9	462.	27.9	104.	28.1	359.	0.	0.
04	1361.	18.7	753.	20.0	102.	0.	0.	20.0	102.	33.0	487.	29.9	109.	27.3	377.	0.	0.
05	1403.	19.6	752.	49.1	151.	0.2	0.	48.9	151.	30.7	506.	31.7	116.	24.3	390.	0.	0.
06	1445.	20.6	750.	51.4	202.	0.2	0.	51.2	202.	0.	500.	33.3	123.	0.	377.	0.	0.
07	1489.	21.6	748.	53.9	256.	0.2	1.	53.7	256.	0.	493.	34.4	129.	0.	364.	0.	0.
08	1536.	23.9	755.	46.8	303.	0.1	1.	46.6	302.	0.	484.	34.6	134.	0.	350.	0.	0.
09	1584.	24.9	763.	48.6	352.	0.	1.	48.8	351.	0.	477.	34.9	137.	0.	340.	0.	0.
10	1635.	30.0	776.	46.8	399.	0.1	0.	46.9	398.	0.	469.	35.1	139.	0.	330.	0.	0.
11	1687.	31.3	790.	48.7	447.	0.2	0.	48.7	447.	0.	460.	35.4	140.	0.	320.	0.	0.
12	1741.	32.5	804.	50.6	498.	0.1	0.	50.6	497.	0.	450.	35.4	141.	0.	309.	0.	0.
13	1797.	33.8	819.	52.6	550.	0.1	0.	52.5	550.	0.	439.	34.9	141.	0.	298.	0.	0.
14	1855.	35.2	836.	54.6	605.	0.	0.	54.8	605.	0.	427.	34.5	140.	0.6	287.	0.	0.
15	1914.	36.6	853.	56.8	662.	0.	0.	56.9	662.	0.	414.	34.0	139.	1.3	275.	0.	0.
16	1976.	38.1	870.	59.0	721.	0.	0.	59.1	721.	0.	400.	33.6	137.	1.9	263.	0.	0.
17	2040.	39.6	889.	61.3	782.	0.	0.	61.4	782.	0.	385.	33.0	135.	2.0	250.	0.	0.
18	2107.	41.2	909.	63.8	846.	0.	0.	63.8	846.	0.	369.	32.1	133.	2.5	236.	0.	0.
19	2175.	42.9	929.	66.3	912.	0.	0.	66.3	912.	0.	352.	31.2	130.	2.9	222.	0.	0.
20	2246.	47.5	953.	66.4	979.	0.	0.	66.4	979.	0.	334.	30.2	126.	3.4	208.	0.	0.
21	2200.	0.	926.	0.	979.	0.	0.	0.	979.	0.	315.	29.2	123.	3.8	192.	0.	0.
22	2150.	0.	897.	0.	979.	0.	0.	0.	979.	0.	295.	28.1	119.	4.0	176.	0.	0.
23	2099.	0.	867.	0.	979.	0.	0.	0.	979.	0.	275.	26.8	114.	4.4	160.	0.	0.
											254.	25.5	110.	4.7	144.	0.	0.

24	2044.	0.	834.	0.	979.	0.	0.	0.	979.	0.	232.	24.1	104.	5.1	127.	0.	0.
25	1987.	0.	799.	0.	978.	0.	0.	0.	978.	0.	210.	22.7	99.	5.4	111.	0.	0.
26	1927.	0.	762.	0.	976.	0.	0.	0.	976.	0.	189.	21.2	94.	5.6	96.	0.	0.
27	1863.	0.	721.	0.	972.	0.	0.	0.	972.	0.	171.	19.7	88.	5.7	83.	0.	0.
28	1797.	0.	678.	0.	966.	0.	0.	0.	966.	0.	153.	18.2	82.	5.9	72.	0.	0.
29	1727.	0.	632.	0.	957.	0.	0.	0.	957.	0.	139.	16.8	76.	5.9	63.	0.	0.
30	1654.	0.	582.	0.	945.	0.	0.	0.	945.	0.	128.	15.5	70.	5.7	58.	0.	0.
31	1596.	0.	568.	0.	931.	0.	0.	0.	931.	0.	97.	14.3	65.	5.4	32.	0.	0.
32	1532.	0.	554.	0.	915.	0.	0.	0.	915.	0.	64.	13.2	60.	5.0	4.	0.	0.
33	1465.	0.	538.	0.	897.	0.	0.	0.	897.	0.	31.	-12.3	31.	5.8	0.	0.	0.
34	1396.	0.	519.	0.	877.	0.	0.	0.	877.	0.	-0.	-15.2	-0.	0.	0.	0.	0.
35	1327.	0.	500.	0.	828.	0.	0.	0.	828.	0.	-0.	14.3	-0.	0.	0.	0.	0.
36	1255.	0.	479.	0.	776.	0.	0.	0.	776.	0.	-0.	13.2	-0.	0.	0.	0.	0.
37	1180.	0.	458.	0.	722.	0.	0.	0.	722.	0.	-0.	-12.3	-0.	0.	0.	0.	0.
38	1109.	0.	434.	0.	676.	0.	0.	0.	676.	0.	-0.	-15.2	-0.	0.	0.	0.	0.
39	1036.	0.	409.	0.	627.	0.	0.	0.	627.	0.	-0.	14.3	-0.	0.	0.	0.	0.
40	959.	0.	379.	0.	580.	0.	0.	0.	580.	0.	-0.	13.2	-0.	0.	0.	0.	0.
41	879.	0.	348.	0.	531.	0.	0.	0.	531.	0.	-0.	-12.3	-0.	0.	0.	0.	0.
42	796.	0.	315.	0.	481.	0.	0.	0.	481.	0.	-0.	-15.2	-0.	0.	0.	0.	0.
43	709.	0.	281.	0.	428.	0.	0.	0.	428.	0.	-0.	14.3	-0.	0.	0.	0.	0.
44	620.	0.	246.	0.	374.	0.	0.	0.	374.	0.	-0.	13.2	-0.	0.	0.	0.	0.
45	526.	0.	209.	0.	317.	0.	0.	0.	317.	0.	-0.	-12.3	-0.	0.	0.	0.	0.
46	429.	0.	171.	0.	258.	0.	0.	0.	258.	0.	-0.	-15.2	-0.	0.	0.	0.	0.
47	328.	0.	132.	0.	197.	0.	0.	0.	197.	0.	-0.	14.3	-0.	0.	0.	0.	0.
48	223.	0.	90.	0.	133.	0.	0.	0.	133.	0.	-0.	13.2	-0.	0.	0.	0.	0.
49	114.	0.	48.	0.	66.	0.	0.	0.	66.	0.	-0.	-12.3	-0.	0.	0.	0.	0.
50	-0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	-0.	-15.2	-0.	0.	0.	0.	0.

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PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES											
	*****				*****											
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS		
						FUEL O&M	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES			PU PURCHASES
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	0.	0.	0.
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	0.	33.96	33.96
79	26.96	13.58	0.	40.54	44.86	3.87	2.30	1.31	0.	0.	0.	0.	0.	0.	63.59	63.59
80	34.26	18.11	0.	52.37	58.80	5.33	3.31	1.99	0.	0.	0.	0.	0.	0.	92.88	92.88
81	41.26	22.86	0.	64.13	72.24	6.88	4.37	2.72	0.	0.	0.	0.	0.	0.	121.79	121.79
82	48.00	27.80	0.	75.80	85.20	8.52	5.50	3.52	0.	0.	0.	0.	0.	0.	150.34	150.34
83	54.51	32.87	0.	87.38	97.69	10.24	6.70	4.38	0.	0.	0.	0.	0.	0.	178.54	178.54
84	60.82	38.06	0.	98.88	109.73	12.06	7.95	5.30	0.	0.	0.	0.	0.	0.	206.39	206.39
85	66.95	43.33	0.	110.28	121.31	13.96	9.26	6.28	0.	0.	0.	0.	0.	0.	233.91	233.91
86	72.94	48.66	0.	121.59	132.44	15.95	10.63	7.29	0.19	0.19	0.	0.	0.	0.	261.10	261.10
87	78.79	54.02	0.	132.81	143.14	18.07	11.81	8.23	0.39	0.39	0.	0.	0.	0.	287.92	287.92
88	84.53	59.39	0.	143.93	153.41	20.31	12.99	9.15	0.59	0.59	0.	0.	0.	0.	314.06	314.06
89	90.19	64.76	0.	154.94	163.28	22.68	14.18	10.07	0.79	0.79	0.	0.	0.	0.	339.80	339.80
90	95.76	70.10	0.	165.86	172.77	25.15	15.37	10.98	0.99	0.99	0.	0.	0.	0.	365.15	365.15
91	101.65	75.41	0.	177.06	181.89	27.68	16.78	11.98	1.27	1.27	0.	0.	0.	0.	390.14	390.14
92	107.62	80.54	0.	188.16	190.61	30.29	18.12	12.96	1.57	1.57	0.	0.	0.	0.	415.39	415.39
93	113.67	85.50	0.	199.17	198.98	32.95	19.46	13.93	1.87	1.87	0.	0.	0.	0.	440.14	440.14
94	119.70	90.40	0.	210.11	207.01	35.67	20.80	14.89	2.17	2.17	0.	0.	0.	0.	464.49	464.49
95	125.82	95.13	0.	220.95	214.71	38.44	22.13	15.86	2.48	2.48	0.	0.	0.	0.	488.48	488.48
96	132.02	99.67	0.	231.69	222.11	41.22	23.51	16.85	2.81	2.81	0.	0.	0.	0.	512.08	512.08
97	138.31	104.03	0.	242.34	229.24	44.02	24.85	17.83	3.16	3.16	0.	0.	0.	0.	535.38	535.38
98	144.67	108.22	0.	252.89	236.07	46.82	26.15	18.81	3.50	3.50	0.	0.	0.	0.	558.27	558.27
99	151.11	112.24	0.	263.35	242.64	49.60	27.43	19.79	3.84	3.84	0.	0.	0.	0.	580.74	580.74
00	157.62	116.09	0.	273.71	248.99	52.36	28.67	20.76	4.17	4.17	0.	0.	0.	0.	602.80	602.80
01	159.30	123.00	0.	282.31	254.83	55.18	30.28	21.90	4.51	4.51	0.	0.	0.	0.	624.49	624.49
02	161.02	130.07	0.	291.09	260.21	58.06	31.95	23.10	4.85	4.85	0.	0.	0.	0.	644.50	644.50
03	162.71	137.03	0.	299.75	265.16	60.97	33.67	24.33	5.20	5.20	0.	0.	0.	0.	664.40	664.40
04	164.65	143.59	0.	308.24	269.77	63.89	35.44	25.57	5.57	5.57	0.	0.	0.	0.	683.87	683.87
05	166.57	149.92	0.	316.50	273.98	66.80	37.22	26.90	5.95	5.95	0.	0.	0.	0.	702.92	702.92
06	168.47	156.19	0.	324.65	277.82	69.70	39.10	28.26	6.32	6.32	0.	0.	0.	0.	721.40	721.40
07	170.34	162.37	0.	332.72	281.38	72.57	40.99	29.63	6.70	6.70	0.	0.	0.	0.	739.53	739.53
08	172.31	167.45	0.	339.76	284.77	75.39	42.93	30.97	7.07	7.07	0.	0.	0.	0.	757.29	757.29
09	174.24	172.41	0.	346.65	288.00	78.16	44.96	32.32	7.45	7.45	0.	0.	0.	0.	773.82	773.82
10	176.44	176.94	0.	353.37	291.10	80.86	47.04	33.65	7.82	7.82	0.	0.	0.	0.	790.08	790.08
11	178.59	181.37	0.	359.96	294.09	83.50	49.20	34.99	8.18	8.19	0.	0.	0.	0.	806.02	806.02
12	180.71	185.71	0.	366.41	296.97	86.07	51.45	36.33	8.54	8.54	0.	0.	0.	0.	821.74	821.73
13	182.78	189.97	0.	372.75	299.75	88.57	53.82	37.67	8.89	8.89	0.	0.	0.	0.	837.23	837.23
14	184.82	194.14	0.	378.96	302.44	91.01	56.35	39.01	9.23	9.24	0.	0.	0.	0.	852.57	852.56
15	186.82	198.23	0.	385.05	305.04	93.38	59.03	40.34	9.57	9.59	0.	0.	0.	0.	867.77	867.77
															882.86	882.84

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16	188.78	202.25	0.	391.03	307.57	95.68	61.94	41.67	9.91	9.93	0.	0.	0.	897.50	897.89
17	190.71	208.19	0.	398.89	310.02	97.93	65.30	43.01	10.27	10.28	0.	0.	0.	913.16	913.15
18	192.60	210.05	0.	402.64	312.40	100.10	69.08	44.35	10.64	10.65	0.	0.	0.	928.56	928.55
19	194.45	213.83	0.	408.29	314.71	102.22	73.21	45.68	11.01	11.03	0.	0.	0.	944.12	944.10
20	196.39	217.41	0.	413.81	318.97	104.27	77.75	46.99	11.39	11.40	0.	0.	0.	959.80	959.78
21	196.39	217.41	0.	413.81	319.05	106.17	81.67	48.07	11.76	11.78	0.	0.	0.	968.78	968.76
22	196.39	217.41	0.	413.81	320.96	107.93	85.57	49.08	12.12	12.14	0.	0.	0.	977.37	977.35
23	196.39	217.41	0.	413.81	322.72	109.55	89.33	50.02	12.46	12.48	0.	0.	0.	985.45	985.43
24	196.39	217.41	0.	413.81	324.32	111.05	92.87	50.91	12.76	12.78	0.	0.	0.	992.96	992.94
25	196.39	217.41	0.	413.81	325.77	112.42	96.19	51.73	13.03	13.05	0.	0.	0.	999.94	999.92
26	196.39	217.41	0.	413.81	327.08	113.69	99.28	52.49	13.27	13.29	0.	0.	0.	1006.37	1006.35
27	196.39	217.41	0.	413.81	328.25	114.86	102.19	53.21	13.48	13.50	0.	0.	0.	1012.33	1012.31
28	196.39	217.41	0.	413.81	329.29	115.93	104.93	53.87	13.66	13.68	0.	0.	0.	1017.85	1017.83
29	196.39	217.41	0.	413.81	330.21	116.92	107.51	54.48	13.83	13.85	0.	0.	0.	1022.95	1022.93
30	196.39	217.41	0.	413.81	331.00	117.83	109.93	55.05	13.97	13.99	0.	0.	0.	1027.64	1027.62
31	196.39	217.41	0.	413.81	331.75	118.64	111.96	55.66	14.09	14.11	0.	0.	0.	1031.74	1031.72
32	196.39	217.41	0.	413.81	332.46	119.36	113.77	56.01	14.19	14.21	0.	0.	0.	1035.43	1035.41
33	196.39	217.41	0.	413.81	333.12	119.99	115.41	56.42	14.47	14.49	0.	0.	0.	1038.77	1038.75
34	196.39	217.41	0.	413.81	333.74	120.54	116.86	56.80	14.92	14.94	0.	0.	0.	1041.77	1041.75
35	196.39	217.41	0.	413.81	334.31	121.03	118.24	57.13	15.29	15.31	0.	0.	0.	1044.53	1044.51
36	196.39	217.41	0.	413.81	334.84	121.46	119.44	57.41	15.60	15.61	0.	0.	0.	1046.98	1046.96
37	196.39	217.41	0.	413.81	335.33	121.83	120.48	57.67	15.93	15.95	0.	0.	0.	1049.14	1049.12
38	196.39	217.41	0.	413.81	335.78	122.17	121.41	57.89	16.29	16.31	0.	0.	0.	1051.08	1051.06
39	196.39	217.41	0.	413.81	336.19	122.46	122.22	58.08	16.59	16.61	0.	0.	0.	1052.77	1052.75
40	196.39	217.41	0.	413.81	336.55	122.71	122.92	58.25	16.84	16.86	0.	0.	0.	1054.25	1054.23
41	196.39	217.41	0.	413.81	336.86	122.93	123.51	58.39	17.11	17.13	0.	0.	0.	1055.52	1055.50
A-322	196.39	217.41	0.	413.81	337.13	123.12	124.00	58.51	17.40	17.42	0.	0.	0.	1056.59	1056.57
42	196.39	217.41	0.	413.81	337.36	123.28	124.39	58.60	17.64	17.66	0.	0.	0.	1057.46	1057.44
43	196.39	217.41	0.	413.81	337.55	123.41	124.69	58.68	17.84	17.86	0.	0.	0.	1058.16	1058.14
44	196.39	217.41	0.	413.81	337.71	123.51	124.90	58.74	18.06	18.08	0.	0.	0.	1058.69	1058.67
45	196.39	217.41	0.	413.81	337.83	123.59	125.03	58.77	18.29	18.31	0.	0.	0.	1059.06	1059.04
46	196.39	217.41	0.	413.81	337.92	123.65	125.09	58.80	18.49	18.50	0.	0.	0.	1059.29	1059.27
47	196.39	217.41	0.	413.81	337.98	123.69	125.09	58.80	18.64	18.66	0.	0.	0.	1059.39	1059.38
48	196.39	217.41	0.	413.81	338.02	123.70	125.09	58.80	18.81	18.83	0.	0.	0.	1059.44	1059.42
49	196.39	217.41	0.	413.81	338.02	123.70	125.09	58.80	19.00	19.02	0.	0.	0.	1059.44	1059.42
50	196.39	217.41	0.	413.81	338.02	123.70	125.09	58.80			0.	0.	0.		

DTA CALL NO.....1

INPUT EDITS

CRD NO.....1 (CASE # 5 , LWR , 4021 , PB AND NB - WITH RECYCLE)\$ 00003100
 CRD NO.....2 A1 = 0.0 \$ 00003110
 CRD NO.....3 GCRLIM(1) = 1.14,2.29,4.57,6.88,10.29,13.71,16.,18.29,20.57,22.88 \$ 00003120
 CRD NO.....4 IBTCPW = 2016 \$ 00003130
 CRD NO.....5 D1 = 2051.0 , LFYUIR = 2010 \$\$ 00003140
 DTA CALL NO.....2 INPUT EDITS

CRD NO.....1 \$\$

00003150

NCOUNT	F0SSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	789.4	801.4	680.7	0.	1757.45	1615.90	1041.29
2	1082.4	654.8	555.3	0.	1667.92	1422.20	1041.29
3	1044.4	658.3	589.3	0.	1618.54	1444.48	1041.29
4	1003.9	661.8	625.8	0.	1591.26	1456.70	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	608.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	18.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.8	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	38.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.8	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
A-324 96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	21.5	74.	12.9	294.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	13.6	751.	14.0	48.	0.	0.	14.0	48.	31.3	435.	26.2	99.	26.6	336.	0.	0.
02	1275.	14.7	749.	16.0	64.	0.	0.	16.0	64.	32.9	462.	27.9	104.	28.1	359.	0.	0.
03	1318.	15.4	749.	18.0	82.	0.	0.	18.0	82.	33.0	487.	29.9	109.	27.3	377.	0.	0.
04	1361.	18.7	753.	20.0	102.	0.	0.	20.0	102.	30.7	506.	31.7	116.	24.3	390.	0.	0.
05	1403.	19.6	752.	49.1	151.	0.2	0.	48.9	151.	0.	500.	33.3	123.	0.	377.	0.	0.
06	1445.	20.6	750.	51.4	202.	0.2	0.	51.2	202.	0.	493.	34.4	129.	0.	364.	0.	0.
07	1489.	21.6	748.	53.9	256.	0.2	1.	53.7	256.	0.	484.	34.6	134.	0.	350.	0.	0.
08	1536.	23.9	755.	46.8	303.	0.1	1.	46.6	302.	0.	477.	34.9	137.	0.	340.	0.	0.
09	1584.	24.9	763.	48.6	352.	0.	1.	48.8	351.	0.	469.	35.1	139.	0.	330.	0.	0.
10	1635.	30.0	776.	46.8	399.	0.1	0.	46.9	398.	0.	460.	35.4	140.	0.	320.	0.	0.
11	1687.	31.3	790.	48.7	447.	0.2	0.	48.7	447.	0.	450.	35.4	141.	0.	309.	0.	0.
12	1741.	32.5	804.	50.6	498.	0.1	0.	50.6	497.	0.	439.	34.9	141.	0.	298.	0.	0.
13	1797.	33.8	819.	52.6	550.	0.1	0.	52.5	550.	0.	427.	34.5	140.	0.6	287.	0.	0.
14	1855.	35.2	836.	54.6	605.	0.	0.	54.8	605.	0.	414.	34.0	139.	1.3	275.	0.	0.
15	1914.	36.6	853.	56.8	662.	0.	0.	56.9	662.	0.	400.	33.8	137.	1.9	263.	0.	0.
16	1985.	48.1	880.	0.	662.	0.	0.	0.1	662.	57.5	443.	33.0	135.	59.4	307.	0.	0.
17	2058.	50.0	910.	0.	662.	0.	0.	0.1	662.	59.7	486.	32.1	133.	62.2	354.	0.	0.
18	2133.	52.1	940.	0.	662.	0.	0.	0.	662.	62.0	531.	34.2	133.	61.9	398.	0.	0.
19	2211.	54.2	971.	0.	662.	0.	0.	0.	662.	64.5	578.	38.5	136.	61.6	442.	0.	0.
20	2291.	56.4	1004.	0.	662.	0.	0.	0.	662.	67.0	626.	38.6	141.	61.3	484.	0.	0.
21	2245.	0.	977.	0.	662.	0.	0.	0.	662.	0.	606.	40.7	150.	0.	456.	0.	0.
22	2196.	0.	949.	0.	662.	0.	0.	0.	662.	0.	585.	42.5	158.	0.	427.	0.	0.
23	2144.	0.	918.	0.	662.	0.	0.	0.	662.	0.	564.	42.1	164.	0.	400.	0.	0.

24	2090.	0.	885.	0.	662.	0.	0.	0.	662.	0.	842.	41.7	167.	0.	375.	0.	0.
25	2032.	0.	851.	0.	661.	0.	0.	0.	661.	0.	521.	41.4	168.	0.	353.	0.	0.
26	1972.	0.	813.	0.	659.	0.	0.	0.	659.	0.	500.	41.0	166.	1.4	334.	0.	0.
27	1909.	0.	773.	0.	655.	0.	0.	0.	655.	0.	481.	40.8	165.	1.3	316.	0.	0.
28	1842.	0.	729.	0.	649.	0.	0.	0.	649.	0.	464.	39.8	163.	2.1	301.	0.	0.
29	1773.	0.	683.	0.	640.	0.	0.	0.	640.	0.	450.	38.4	160.	3.0	290.	0.	0.
30	1700.	0.	633.	0.	628.	0.	0.	0.	628.	0.	439.	37.4	158.	3.6	282.	0.	0.
31	1641.	0.	620.	0.	614.	0.	0.	0.	614.	0.	407.	36.7	152.	4.1	255.	0.	0.
32	1577.	0.	605.	0.	598.	0.	0.	0.	598.	0.	374.	36.1	149.	3.4	228.	0.	0.
33	1511.	0.	589.	0.	580.	0.	0.	0.	580.	0.	341.	34.0	144.	4.4	197.	0.	0.
34	1441.	0.	571.	0.	560.	0.	0.	0.	560.	0.	311.	31.8	139.	5.6	172.	0.	0.
35	1373.	0.	551.	0.	511.	0.	0.	0.	511.	0.	311.	29.8	132.	6.9	179.	0.	0.
36	1301.	0.	531.	0.	459.	0.	0.	0.	459.	0.	311.	28.1	124.	8.1	187.	0.	0.
37	1225.	0.	509.	0.	405.	0.	0.	0.	405.	0.	311.	28.2	118.	5.9	193.	0.	0.
38	1155.	0.	485.	0.	359.	0.	0.	0.	359.	0.	311.	27.5	114.	4.3	197.	0.	0.
39	1081.	0.	460.	0.	310.	0.	0.	0.	310.	0.	311.	26.7	110.	3.1	200.	0.	0.
40	1004.	0.	430.	0.	263.	0.	0.	0.	263.	0.	311.	25.9	108.	2.2	202.	0.	0.
41	924.	0.	399.	0.	215.	0.	0.	0.	215.	0.	311.	25.2	105.	3.0	205.	0.	0.
42	841.	0.	366.	0.	164.	0.	0.	0.	164.	0.	311.	25.3	103.	2.2	208.	0.	0.
43	755.	0.	333.	0.	111.	0.	0.	0.	111.	0.	311.	25.2	102.	1.5	209.	0.	0.
44	665.	0.	297.	0.	57.	0.	0.	0.	57.	0.	311.	24.9	101.	1.0	210.	0.	0.
45	572.	0.	261.	0.	-0.	0.	-0.	0.	0.	0.	311.	24.5	100.	0.6	211.	0.	0.
46	466.	0.	213.	0.	-0.	0.	-0.	0.	0.	0.	253.	24.2	99.	1.1	154.	0.	0.
47	356.	0.	163.	0.	-0.	0.	-0.	0.	0.	0.	194.	24.3	98.	0.8	96.	0.	0.
48	242.	0.	111.	0.	-0.	0.	-0.	0.	0.	0.	132.	21.2	94.	3.6	37.	0.	0.
49	123.	0.	56.	0.	-0.	0.	-0.	0.	0.	0.	67.	-2.7	67.	6.6	0.	0.	0.
50	0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	-0.	-42.8	-0.	0.	0.	0.	0.

A-325

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

EXPENSES																		
YR	CAPITAL INVESTMENTS				TOTALS													
**	*****	*****	*****	*****	*****	*****					*****			*****				
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR				FBR			TOTALS					
	*****	*****	*****	*****	*****	*****				*****			*****					
						FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES	WITH PU	W/O PU			
					FUEL O&M													
77	11.48	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	33.96	33.96			
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	63.59	63.59			
79	26.96	13.58	0.	40.54	44.86	3.87	2.30	1.31	0.	0.	0.	0.	0.	92.88	92.88			
80	34.26	18.11	0.	52.37	58.80	5.33	3.31	1.99	0.	0.	0.	0.	0.	121.79	121.79			
81	41.26	22.86	0.	64.13	72.24	6.88	4.37	2.72	0.	0.	0.	0.	0.	150.34	150.34			
82	48.00	27.80	0.	75.80	85.20	8.52	5.50	3.52	0.	0.	0.	0.	0.	178.54	178.54			
83	54.51	32.87	0.	87.38	97.69	10.24	6.70	4.38	0.	0.	0.	0.	0.	206.39	206.39			
84	60.82	38.06	0.	98.88	109.73	12.06	7.95	5.30	0.	0.	0.	0.	0.	233.91	233.91			
85	66.95	43.33	0.	110.28	121.31	13.96	9.26	6.28	0.	0.	0.	0.	0.	261.10	261.10			
86	72.94	48.66	0.	121.59	132.44	15.95	10.63	7.29	0.19	0.19	0.	0.	0.	287.92	287.92			
87	78.79	54.02	0.	132.81	143.14	18.07	11.81	8.23	0.39	0.39	0.	0.	0.	314.06	314.06			
88	84.53	59.39	0.	143.93	153.41	20.31	12.99	9.15	0.59	0.59	0.	0.	0.	339.80	339.80			
89	90.19	64.76	0.	154.94	163.28	22.68	14.18	10.07	0.79	0.79	0.	0.	0.	365.15	365.15			
90	95.76	70.10	0.	165.86	172.77	25.15	15.37	10.98	0.99	0.99	0.	0.	0.	390.14	390.14			
91	101.65	75.41	0.	177.06	181.89	27.68	16.78	11.98	1.27	1.27	0.	0.	0.	415.39	415.39			
92	107.62	80.54	0.	188.16	190.61	30.29	18.12	12.96	1.57	1.57	0.	0.	0.	440.14	440.14			
93	113.67	85.50	0.	199.17	198.98	32.95	19.48	13.93	1.87	1.87	0.	0.	0.	464.49	464.49			
94	119.70	90.40	0.	210.11	207.01	35.67	20.80	14.89	2.17	2.17	0.	0.	0.	488.48	488.48			
95	125.82	95.13	0.	220.95	214.71	38.44	22.13	15.86	2.48	2.48	0.	0.	0.	512.08	512.08			
96	132.02	99.67	0.	231.69	222.11	41.22	23.51	16.85	2.81	2.81	0.	0.	0.	535.38	535.38			
97	138.31	104.03	0.	242.34	229.24	44.02	24.85	17.83	3.16	3.16	0.	0.	0.	558.27	558.27			
98	144.67	108.22	0.	252.89	236.07	46.82	26.15	18.81	3.50	3.50	0.	0.	0.	580.74	580.74			
99	151.11	112.24	0.	263.35	242.64	49.60	27.43	19.79	3.84	3.84	0.	0.	0.	602.80	602.80			
00	157.62	116.09	0.	273.71	248.99	52.38	28.67	20.76	4.17	4.17	0.	0.	0.	624.49	624.49			
01	159.30	123.00	0.	282.31	254.83	55.18	30.28	21.90	4.51	4.51	0.	0.	0.	644.50	644.50			
02	161.02	130.07	0.	291.09	260.21	58.06	31.95	23.10	4.85	4.85	0.	0.	0.	664.40	664.40			
03	162.71	137.03	0.	299.75	265.16	60.97	33.67	24.33	5.20	5.20	0.	0.	0.	683.87	683.87			
04	164.65	143.59	0.	308.24	269.77	63.89	35.44	25.57	5.57	5.57	0.	0.	0.	702.92	702.92			
05	166.57	149.92	0.	316.50	273.98	66.80	37.22	26.90	5.95	5.95	0.	0.	0.	721.40	721.40			
06	168.47	158.19	0.	324.65	277.82	69.70	39.10	28.26	6.32	6.32	0.	0.	0.	739.53	739.53			
07	170.34	162.37	0.	332.72	281.38	72.57	40.99	29.63	6.70	6.70	0.	0.	0.	757.29	757.29			
08	172.31	167.45	0.	339.76	284.77	75.39	42.93	30.97	7.07	7.07	0.	0.	0.	773.82	773.82			
09	174.24	172.41	0.	346.65	288.00	78.16	44.96	32.32	7.45	7.45	0.	0.	0.	790.08	790.08			
10	176.44	176.94	0.	353.37	291.10	80.86	47.04	33.65	7.82	7.82	0.	0.	0.	806.02	806.02			
11	178.59	181.37	0.	359.96	294.09	83.50	49.20	34.99	8.18	8.19	0.	0.	0.	821.73	821.73			
12	180.71	185.71	0.	366.41	296.97	86.07	51.44	36.33	8.54	8.54	0.	0.	0.	837.23	837.23			
13	182.78	189.97	0.	372.75	299.75	88.57	53.82	37.67	8.89	8.89	0.	0.	0.	852.57	852.56			
14	184.82	194.14	0.	378.96	302.44	91.01	56.34	39.01	9.23	9.24	0.	0.	0.	867.77	867.76			
15	186.82	198.23	0.	385.05	305.04	93.38	59.02	40.34	9.57	9.59	0.	0.	0.	882.85	882.84			

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17	191.73	205.27	0.	397.00	310.23	97.99	65.90	42.85	10.31	10.32	0.	0.	0.	898.23	898.24
18	194.11	208.69	0.	402.80	312.82	100.24	70.01	44.07	10.76	10.78	0.	0.	0.	914.00	913.98
19	196.46	212.03	0.	408.49	315.40	102.45	74.81	45.28	11.27	11.28	0.	0.	0.	929.98	929.94
20	198.76	215.32	0.	414.08	317.98	104.62	79.35	46.40	11.83	11.85	0.	0.	0.	946.12	946.10
21	198.76	215.32	0.	414.08	320.36	106.64	83.14	47.37	12.44	12.46	0.	0.	0.	962.45	962.43
22	198.76	215.32	0.	414.08	322.56	108.53	86.84	48.26	13.05	13.07	0.	0.	0.	971.61	971.59
23	198.76	215.32	0.	414.08	324.58	110.28	90.33	49.09	13.64	13.66	0.	0.	0.	980.29	980.27
24	198.76	215.32	0.	414.08	326.44	111.91	93.57	49.85	14.19	14.21	0.	0.	0.	988.38	988.36
25	198.76	215.32	0.	414.08	328.13	113.41	96.58	50.58	14.71	14.73	0.	0.	0.	995.87	995.85
26	198.76	215.32	0.	414.08	329.67	114.80	99.36	51.21	15.20	15.22	0.	0.	0.	1002.78	1002.76
27	198.76	215.32	0.	414.08	331.07	116.09	101.97	51.81	15.66	15.68	0.	0.	0.	1009.14	1009.12
28	198.76	215.32	0.	414.08	332.32	117.27	104.42	52.37	16.08	16.10	0.	0.	0.	1015.03	1015.01
29	198.76	215.32	0.	414.08	333.43	118.37	106.71	52.89	16.47	16.49	0.	0.	0.	1020.47	1020.45
30	198.76	215.32	0.	414.08	334.42	119.38	108.86	53.38	16.83	16.85	0.	0.	0.	1025.80	1025.48
31	198.76	215.32	0.	414.08	335.35	120.29	110.85	53.78	17.17	17.19	0.	0.	0.	1030.12	1030.10
32	198.76	215.32	0.	414.08	336.23	121.11	112.21	54.15	17.47	17.50	0.	0.	0.	1034.17	1034.15
33	198.76	215.32	0.	414.08	337.06	121.84	113.82	54.48	17.74	17.77	0.	0.	0.	1037.80	1037.78
34	198.76	215.32	0.	414.08	337.83	122.49	114.88	54.78	17.98	18.00	0.	0.	0.	1041.10	1041.08
35	198.76	215.32	0.	414.08	338.56	123.07	116.03	55.03	18.20	18.22	0.	0.	0.	1044.08	1044.06
36	198.76	215.32	0.	414.08	339.23	123.59	117.05	55.25	18.40	18.42	0.	0.	0.	1046.80	1046.78
37	198.76	215.32	0.	414.08	339.87	124.08	117.91	55.43	18.59	18.61	0.	0.	0.	1049.23	1049.21
38	198.76	215.32	0.	414.08	340.45	124.46	118.67	55.60	18.77	18.79	0.	0.	0.	1051.36	1051.34
39	198.76	215.32	0.	414.08	340.98	124.82	119.31	55.73	18.92	18.94	0.	0.	0.	1053.27	1053.25
40	198.76	215.32	0.	414.08	341.46	125.14	119.84	55.84	19.07	19.09	0.	0.	0.	1054.93	1054.91
41	198.76	215.32	0.	414.08	341.89	125.42	120.29	55.93	19.21	19.23	0.	0.	0.	1056.38	1056.36
42	198.76	215.32	0.	414.08	342.27	125.66	120.64	56.00	19.34	19.36	0.	0.	0.	1057.63	1057.61
43	198.76	215.32	0.	414.08	342.61	125.87	120.90	56.05	19.47	19.49	0.	0.	0.	1058.68	1058.66
44	198.76	215.32	0.	414.08	342.90	126.05	121.07	56.09	19.58	19.60	0.	0.	0.	1059.53	1059.51
45	198.76	215.32	0.	414.08	343.16	126.20	121.18	56.10	19.69	19.71	0.	0.	0.	1060.21	1060.19
46	198.76	215.32	0.	414.08	343.36	126.32	121.16	56.11	19.79	19.81	0.	0.	0.	1060.73	1060.71
47	198.76	215.32	0.	414.08	343.50	126.41	121.16	56.11	19.87	19.89	0.	0.	0.	1061.05	1061.03
48	198.76	215.32	0.	414.08	343.59	126.48	121.16	56.11	19.94	19.96	0.	0.	0.	1061.29	1061.27
49	198.76	215.32	0.	414.08	343.64	126.51	121.16	56.11	20.06	20.08	0.	0.	0.	1061.45	1061.43
50	198.76	215.32	0.	414.08	343.64	126.51	121.16	56.11	20.36	20.38	0.	0.	0.	1061.52	1061.50
											0.	0.	0.	1061.52	1061.50

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DTA CALL NO.....1 INPUT EDITS

CRD NO.....1 (CASE # 6 , LWR , 4021 , PB AND PBTBR - WITH RECYCLE) \$
 CRD NO.....2 A1 = 0.0 \$
 CRD NO.....3 PURCIN = 1.0 , PURCDC = 1.0 \$
 CRD NO.....4 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO.....5 FBRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO.....6 IBTOPW = 2010 \$
 CRD NO.....7 D1 = 2010.0 , LFYUIR = 2010 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003170
 00003180
 00003190
 00003200
 00003210
 00003220
 00003230

CRD NO.....1 \$\$

00003240

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	800.7	449.6	1063.5	0.4	1795.23	1643.15	1041.29
2	1338.7	344.7	836.7	1.6	1616.42	1683.30	1041.29
3	1286.2	344.7	589.2	1.6	1515.36	1795.63	1041.29
4	1227.8	351.7	639.8	1.6	1463.54	1755.07	1041.29
5	1112.3	351.7	756.0	1.6	1457.95	1736.67	1041.29
6	1183.2	351.7	684.2	1.6	1441.21	1741.71	1041.29
7	1168.6	351.7	698.8	1.6	1430.18	1736.81	1041.29

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	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	338.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	83.	0.	0.	7.0	83.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	17.5	64.	13.6	266.	0.	0.
A-96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	21.5	74.	12.9	294.	0.	0.
98	1088.	43.3	686.	6.0	13.	0.	0.	6.0	13.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	13.6	751.	14.0	48.	0.	0.	14.0	48.	31.3	435.	26.2	99.	26.6	336.	0.	0.
02	1275.	14.7	749.	16.0	64.	0.	0.	16.0	64.	32.9	462.	27.9	104.	28.1	359.	0.	0.
03	1318.	15.4	749.	18.0	82.	0.	0.	18.0	82.	33.0	487.	29.9	109.	27.3	377.	0.	0.
04	1361.	18.7	753.	20.0	102.	0.	0.	20.0	102.	30.7	506.	31.7	116.	24.3	390.	0.	0.
05	1403.	19.6	752.	49.1	151.	0.0	0.	49.1	151.	0.	500.	33.3	123.	0.	377.	0.	0.
06	1445.	20.6	750.	51.4	202.	0.0	0.	51.4	202.	0.	493.	34.4	129.	0.	364.	0.	0.
07	1489.	21.6	748.	53.9	256.	0.0	0.	53.9	256.	0.	484.	34.6	134.	0.	350.	0.	0.
08	1536.	23.9	755.	46.8	303.	0.0	0.	46.8	303.	0.	477.	34.9	137.	0.	340.	0.	0.
09	1584.	24.9	763.	48.6	352.	0.	0.	48.6	352.	0.	469.	35.1	139.	0.	330.	0.	0.
10	1640.	30.0	776.	0.	352.	0.	0.	0.0	352.	52.4	512.	35.4	140.	51.5	373.	0.1	0.
11	1697.	31.3	790.	0.	352.	0.	0.	0.0	352.	53.3	556.	35.4	141.	52.5	415.	0.1	0.
12	1754.	32.5	804.	0.	352.	0.	0.	0.0	352.	53.2	598.	37.8	144.	50.4	454.	0.1	0.
13	1811.	33.8	819.	0.	352.	0.	0.	0.	352.	53.2	639.	40.2	149.	48.1	490.	0.1	1.
14	1866.	67.2	868.	0.	352.	0.	0.	0.	352.	20.1	646.	42.4	156.	13.0	491.	0.0	1.
15	1921.	36.6	885.	0.	352.	0.	0.	0.	352.	51.2	684.	44.5	165.	42.1	519.	0.2	1.
16	1975.	55.6	920.	0.	352.	0.	0.	0.	352.	34.0	702.	44.5	172.	27.2	531.	0.2	1.
17	2030.	58.9	958.	0.	352.	0.	0.	0.	352.	32.6	719.	47.3	179.	25.5	540.	0.2	1.
18	2085.	59.8	996.	0.	352.	0.	0.	0.	352.	33.7	736.	49.2	185.	27.0	550.	0.2	1.
19	2140.	95.8	1069.	0.	352.	0.	0.	0.	352.	0.	718.	50.8	192.	0.	526.	0.1	2.
20	2221.	123.3	1169.	0.	352.	0.	0.	0.	352.	0.	699.	52.4	200.	0.	499.	0.1	2.
21	2174.	0.	1142.	0.	352.	0.0	0.	0.	352.	0.	679.	51.1	204.	0.	475.	0.	2.
22	2125.	0.	1113.	0.	352.	0.0	0.	0.	352.	0.	658.	51.1	205.	0.	453.	0.	2.
23	2073.	0.	1083.	0.	352.	0.0	0.	0.	352.	0.	637.	50.8	205.	0.0	432.	0.	2.

24	2019.	0.	1050.	0.	352.	0.0	0.	0.	352.	0.	615.	50.4	203.	2.0	412.	0.	2.
25	1981.	0.	1015.	0.	351.	0.0	0.	0.0	351.	0.	694.	50.1	202.	1.0	392.	0.	2.
26	1901.	0.	978.	0.	349.	0.0	0.	0.	349.	0.	573.	48.4	200.	2.7	374.	0.	2.
27	1838.	0.	937.	0.	345.	0.0	0.	0.	345.	0.	554.	47.3	196.	3.5	358.	0.	2.
28	1772.	0.	894.	0.	339.	0.0	0.	0.	339.	0.	537.	46.1	192.	4.3	345.	0.	2.
29	1702.	0.	848.	0.	330.	0.0	0.	0.	330.	0.	523.	45.1	187.	5.0	336.	0.	2.
30	1629.	0.	798.	0.	318.	0.0	0.	0.0	318.	0.	512.	44.3	183.	4.1	329.	0.	2.
31	1570.	0.	784.	0.	304.	0.0	0.	0.	304.	0.	480.	42.9	178.	4.4	302.	0.	2.
32	1506.	0.	770.	0.	288.	0.0	0.	0.	288.	0.	447.	41.9	174.	4.2	273.	0.	2.
33	1440.	0.	754.	0.	270.	0.0	0.	0.	270.	0.	414.	39.9	169.	5.2	245.	0.	2.
34	1371.	0.	735.	0.	250.	0.0	0.	0.	250.	0.	384.	37.8	163.	6.4	221.	0.	2.
35	1302.	0.	716.	0.	201.	0.0	0.	0.0	201.	0.	384.	35.9	158.	7.0	228.	0.	2.
36	1230.	0.	695.	0.	149.	0.0	0.	0.0	149.	0.	384.	33.9	148.	8.0	236.	0.	2.
37	1154.	0.	674.	0.	95.	0.0	0.	0.0	95.	0.	384.	33.8	141.	8.1	242.	0.	2.
38	1084.	0.	650.	0.	49.	0.0	0.	0.0	49.	0.	384.	33.2	137.	4.7	247.	0.	2.
39	1010.	0.	625.	0.	0.	0.	0.	0.	0.	0.	384.	32.4	133.	3.5	250.	0.	2.
40	929.	0.	595.	0.	0.	0.	0.	0.	0.	0.	331.	31.7	131.	2.2	200.	0.	1.
41	843.	0.	564.	0.	0.	0.	0.	0.	0.	0.	278.	30.9	128.	2.9	150.	0.	1.
42	757.	0.	531.	0.	0.	0.0	0.	0.	0.	0.	225.	28.1	123.	5.1	102.	0.	1.
43	670.	0.	497.	0.	0.	0.	0.	0.	0.	0.	172.	25.1	116.	7.4	56.	0.	1.
44	583.	0.	430.	0.	0.	0.	0.	0.	0.	0.	151.	22.1	108.	9.8	45.	0.	1.
45	495.	0.	393.	0.	0.	0.	0.	0.	0.	0.	100.	19.3	95.	11.6	6.	0.	1.
46	405.	0.	338.	0.	0.	0.0	0.	0.	0.	0.	68.	-0.2	66.	9.8	0.	0.	1.
47	313.	0.	279.	0.	0.	0.	0.	0.	0.	0.	34.	-7.5	34.	0.	0.	0.	0.
48	219.	0.	219.	0.	0.	0.	0.	0.	0.	0.	0.	-11.6	0.	0.	0.	0.	0.
49	123.	0.	123.	0.	0.	0.	0.	0.	0.	0.	0.	19.3	0.	0.	0.	0.	0.
50	0.	0.	-0.	0.	0.	0.0	0.	0.	0.	0.	0.	-0.2	0.	0.	0.	0.	0.

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PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

ECONOMIC COST CASE																

YR	CAPITAL INVESTMENTS				EXPENSES											
**	*****				*****											
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS		
	*****	*****	*****	*****	*****	*****				*****				*****		
						FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU		WITH	W/O	
						RECOVERY	FEED	SALES	PURCHASES	RECOVERY	SALES	PURCHASES		PU	PU	
						O&M	O&M			O&M						
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.		33.96	33.96	
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.		63.59	63.59	
79	26.96	13.58	0.	40.54	44.86	3.87	2.30	1.31	0.	0.	0.	0.		92.88	92.88	
80	34.26	18.11	0.	52.37	58.80	5.33	3.31	1.99	0.	0.	0.	0.		121.79	121.79	
81	41.26	22.86	0.	64.13	72.24	6.88	4.37	2.72	0.	0.	0.	0.		150.34	150.34	
82	48.00	27.80	0.	75.80	85.20	8.52	5.50	3.52	0.	0.	0.	0.		178.54	178.54	
83	54.51	32.87	0.	87.38	97.69	10.24	6.70	4.38	0.	0.	0.	0.		206.39	206.39	
84	60.82	38.06	0.	98.88	109.73	12.06	7.95	5.30	0.	0.	0.	0.		233.91	233.91	
85	66.95	43.33	0.	110.28	121.31	13.96	9.26	6.28	0.	0.	0.	0.		261.10	261.10	
86	72.94	48.66	0.	121.60	132.44	15.95	10.63	7.29	0.19	0.19	0.	0.		287.92	287.92	
87	78.79	54.02	0.	132.81	143.14	18.07	11.81	8.23	0.39	0.39	0.	0.		314.06	314.06	
88	84.53	59.39	0.	143.93	153.41	20.31	12.99	9.15	0.59	0.59	0.	0.		339.80	339.80	
89	90.19	64.76	0.	154.94	163.28	22.68	14.18	10.07	0.79	0.79	0.	0.		365.15	365.15	
90	95.78	70.10	0.	165.86	172.77	25.15	15.37	10.98	0.99	0.99	0.	0.		390.14	390.14	
91	101.65	75.41	0.	177.06	181.89	27.68	16.78	11.98	1.27	1.27	0.	0.		415.39	415.39	
92	107.62	80.54	0.	188.16	190.61	30.29	18.12	12.98	1.57	1.57	0.	0.		440.14	440.14	
93	113.67	85.50	0.	199.17	198.98	32.95	19.46	13.93	1.87	1.87	0.	0.		464.49	464.49	
94	119.70	90.40	0.	210.11	207.01	35.67	20.80	14.89	2.17	2.17	0.	0.		488.48	488.48	
95	125.82	95.13	0.	220.95	214.71	38.44	22.13	15.88	2.48	2.48	0.	0.		512.08	512.08	
96	132.02	99.67	0.	231.69	222.11	41.22	23.51	16.85	2.81	2.81	0.	0.		535.38	535.38	
97	138.31	104.03	0.	242.34	229.24	44.02	24.85	17.83	3.16	3.16	0.	0.		558.27	558.27	
98	144.67	108.22	0.	252.89	236.07	46.82	26.15	18.81	3.50	3.50	0.	0.		580.74	580.74	
99	151.11	112.24	0.	263.35	242.64	49.60	27.43	19.79	3.84	3.84	0.	0.		602.80	602.80	
00	157.62	116.09	0.	273.71	248.99	52.36	28.67	20.76	4.17	4.17	0.	0.		624.49	624.49	
01	159.30	123.00	0.	282.31	254.83	55.18	30.28	21.90	4.51	4.51	0.	0.		644.50	644.50	
02	161.02	130.07	0.	291.09	260.21	58.06	31.95	23.10	4.85	4.85	0.	0.		664.40	664.40	
03	162.71	137.03	0.	299.73	265.16	60.97	33.67	24.33	5.20	5.20	0.	0.		683.87	683.87	
04	164.66	143.59	0.	308.24	269.77	63.89	35.44	25.57	5.57	5.57	0.	0.		702.92	702.92	
05	166.67	149.92	0.	316.50	273.98	66.80	37.21	26.90	5.95	5.95	0.	0.		721.40	721.40	
06	168.47	156.19	0.	324.65	277.82	69.70	39.09	28.27	6.33	6.33	0.	0.		739.53	739.53	
07	170.34	162.37	0.	332.72	281.38	72.57	40.99	29.63	6.70	6.70	0.	0.		757.29	757.29	
08	172.31	167.45	0.	339.76	284.77	75.39	42.93	30.97	7.08	7.08	0.	0.		773.82	773.82	
09	174.24	172.41	0.	346.65	288.00	78.16	44.94	32.32	7.45	7.45	0.	0.		790.07	790.07	
10	176.44	177.01	0.01	353.46	291.10	80.91	47.30	33.61	7.82	7.82	0.00	0.	0.01	806.75	806.38	
11	178.59	181.42	0.03	360.04	294.11	83.64	49.77	34.87	7.47	8.21	0.00	0.00	0.02	823.19	822.43	
12	180.71	185.58	0.04	366.32	297.03	86.33	52.29	36.11	7.48	8.63	0.00	0.00	0.02	839.26	838.08	
13	182.78	189.50	0.05	372.33	299.88	88.99	54.90	37.31	7.48	9.08	0.01	0.00	0.03	855.04	853.41	
14	186.67	190.90	0.05	377.62	302.85	91.52	57.12	38.38	7.48	9.55	0.01	0.00	0.03	869.57	867.47	
15	188.67	194.25	0.07	382.99	305.77	94.01	59.76	39.43	7.49	10.03	0.01	0.01	0.04	884.55	881.98	

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16	191.53	196.35	0.08	387.97	308.75	96.42	62.33	40.40	7.50	10.54	0.01	0.01	0.05	899.00	895.91
17	194.40	198.25	0.09	392.74	311.80	98.72	65.13	41.40	7.50	11.11	0.02	0.01	0.06	913.46	909.81
18	197.14	200.11	0.11	397.36	314.94	100.84	68.09	42.32	7.50	11.72	0.02	0.01	0.06	927.94	923.87
19	201.29	200.11	0.11	401.51	318.34	103.01	70.71	43.12	7.50	12.38	0.03	0.02	0.06	941.84	938.72
20	206.32	200.11	0.12	406.55	322.00	104.93	73.30	43.87	7.50	13.03	0.03	0.02	0.06	956.24	950.67
21	206.32	200.11	0.12	406.55	325.41	106.71	75.71	44.53	7.50	13.68	0.04	0.02	0.06	965.17	958.95
22	206.32	200.11	0.12	406.55	328.59	108.37	78.07	45.15	7.50	14.33	0.04	0.03	0.06	973.63	968.76
23	206.32	200.11	0.12	406.55	331.55	109.89	80.34	45.72	7.50	14.97	0.04	0.03	0.06	981.61	974.10
24	206.32	200.11	0.12	406.55	334.30	111.30	82.55	46.25	7.50	15.61	0.05	0.03	0.06	989.14	981.01
25	206.32	200.11	0.12	406.55	336.86	112.60	84.64	46.74	7.51	16.21	0.05	0.03	0.06	996.17	987.44
26	206.32	200.11	0.12	406.55	339.21	113.80	86.57	47.18	7.51	16.77	0.05	0.03	0.06	1002.65	993.38
27	206.32	200.11	0.12	406.55	341.38	114.90	88.38	47.59	7.51	17.29	0.06	0.03	0.06	1008.67	998.86
28	206.32	200.11	0.12	406.55	343.38	115.91	90.08	47.97	7.51	17.77	0.06	0.04	0.06	1014.23	1003.95
29	206.32	200.11	0.12	406.55	345.21	116.84	91.67	48.32	7.51	18.22	0.06	0.04	0.06	1019.38	1008.65
30	206.32	200.11	0.12	406.55	346.89	117.69	93.12	48.64	7.52	18.63	0.06	0.04	0.06	1024.09	1012.95
31	206.32	200.11	0.12	406.55	348.48	118.46	94.25	48.90	7.52	19.02	0.07	0.04	0.06	1028.22	1016.70
32	206.32	200.11	0.12	406.55	349.99	119.13	95.21	49.13	7.52	19.36	0.07	0.04	0.06	1031.93	1020.07
33	206.32	200.11	0.12	406.55	351.42	119.73	96.03	49.33	7.52	19.67	0.07	0.04	0.06	1035.29	1023.12
34	206.32	200.11	0.12	406.55	352.77	120.26	96.75	49.50	7.53	19.95	0.07	0.04	0.06	1038.34	1025.89
35	206.32	200.11	0.12	406.55	354.05	120.72	97.38	49.63	7.53	20.20	0.07	0.05	0.06	1041.09	1028.40
36	206.32	200.11	0.12	406.55	355.25	121.13	97.91	49.73	7.53	20.44	0.07	0.05	0.06	1043.56	1030.64
37	206.32	200.11	0.12	406.55	356.38	121.48	98.31	49.81	7.53	20.66	0.08	0.05	0.06	1045.74	1032.60
38	206.32	200.11	0.12	406.55	357.44	121.79	98.63	49.87	7.53	20.86	0.08	0.05	0.06	1047.69	1034.38
39	206.32	200.11	0.12	406.55	358.43	122.05	98.86	49.91	7.54	21.04	0.08	0.05	0.06	1049.41	1035.89
40	206.32	200.11	0.12	406.55	359.35	122.28	98.92	49.94	7.54	21.21	0.08	0.05	0.06	1050.80	1037.11
41	206.32	200.11	0.12	406.55	360.20	122.46	98.92	49.96	7.54	21.36	0.08	0.05	0.06	1051.98	1038.16
42	206.32	200.11	0.12	406.55	360.97	122.60	98.92	49.97	7.54	21.48	0.08	0.06	0.06	1053.03	1039.08
43	206.32	200.11	0.12	406.55	361.67	122.71	98.92	49.97	7.54	21.58	0.08	0.06	0.06	1053.94	1039.89
44	206.32	200.11	0.12	406.55	362.26	122.80	98.98	49.98	7.54	21.67	0.08	0.06	0.06	1054.77	1040.64
45	206.32	200.11	0.12	406.55	362.77	122.86	98.98	49.98	7.55	21.74	0.08	0.06	0.06	1055.42	1041.22
46	206.32	200.11	0.12	406.55	363.21	122.90	98.98	49.98	7.55	21.87	0.08	0.06	0.06	1056.01	1041.69
47	206.32	200.11	0.12	406.55	363.55	122.92	98.98	49.98	7.56	22.07	0.09	0.07	0.06	1056.56	1042.05
48	206.32	200.11	0.12	406.55	363.80	122.92	98.98	49.98	7.57	22.33	0.09	0.07	0.06	1057.06	1042.30
49	206.32	200.11	0.12	406.55	363.92	122.92	98.98	49.98	7.58	22.55	0.09	0.07	0.06	1057.39	1042.42
50	206.32	200.11	0.12	406.55	363.92	122.92	98.98	49.98	7.79	22.76	0.09	0.07	0.06	1057.38	1042.42

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CRD NO....1 (CASE #10 , LWR AND PBR-78 WITH REPROCESSING)\$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1=2051. , IBTOPW=1977 \$
 CRD NO....4 CPUINV=0.02758 \$
 CRD NO....5 PWSFI=0.08247 \$
 CRD NO....6 SPECIF(1)=2513. ,2513. \$
 CRD NO....7 BUPRLD(1)=918000.0,918000. \$
 CRD NO....8 PURCIN=274.0 \$
 CRD NO....9 PURCDC=338.6 \$
 CRD NO...10 PURPIS(30)=0.03803,PURPIS(121)=0.03803 \$
 CRD NO...11 PURPCR(30)=0.233 ,PURPCR(121)=0.233 \$
 CRD NO...12 PWRPUP(40)=0.964,PWRPUP(121)=0.964 \$
 CRD NO...13 PWRDEC(30)=0.02674,PWRDEC(121)=0.02674 \$
 CRD NO...14 PWRIEC(30)=0.01151,PWRIEC(121)=0.01151 \$
 CRD NO...15 PWRDUC(30)=0.05305,PWRDUC(121)=0.05305 \$
 CRD NO...16 PWRIUC(30)=0.03343,PWRIUC(121)=0.03343 \$
 CRD NO...17 EPNINT(1)=0.93,0.93 \$
 CRD NO...18 EPNRLD(1)=0.93,0.93 \$
 CRD NO...19 EPNOUT(1)=0.002,0.002 \$
 CRD NO...20 PWRFAB(30)=0.835,PWRFAB(121)=0.835 \$
 CRD NO...21 PURFAB(30)=1.828,PURFAB(121)=1.828 \$
 CRD NO...22 PWRREC(30)=1.566,PWRREC(121)=1.566 \$
 CRD NO...23 PURREC(30)=1.398,PURREC(121)=1.398 \$
 CRD NO...24 LFYUR=1995 , LFYPUR=1995 \$\$
 DTA CALL NO.....8 INPUT EDITS

00004092
 00004093
 00004094
 00004095
 00004096
 00004097
 00004098
 00004099
 00004100
 00004101
 00004102
 00004103
 00004104
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 00004107
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 00004110
 00004111
 00004112
 00004113
 00004114
 00004115

CRD NO....1 \$\$

00004116

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NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	723.7	1161.3	335.1	0.	1237.10	929.39	1041.29
2	944.3	983.3	317.9	0.	1186.44	840.03	1041.29
3	936.0	990.6	317.9	0.	1154.86	843.90	1041.29
4	936.0	990.6	317.9	0.	1133.80	843.90	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
***** (T H O U S A N D S O F M W) *****																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	18.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	16.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	18.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.3	0.	0.7	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
A-334 96	986.	37.5	633.	2.0	3.	0.3	1.	1.7	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.4	1.	3.6	8.	18.9	368.	21.5	74.	12.9	294.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.8	2.	5.2	11.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	718.	9.0	22.	1.3	3.	8.0	19.	14.2	398.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	753.	12.0	34.	2.7	5.	9.6	29.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	15.7	753.	12.3	47.	4.3	9.	8.3	37.	31.2	435.	26.2	99.	26.4	336.	0.	0.
02	1276.	17.0	753.	14.0	61.	6.5	15.	8.3	48.	32.9	462.	27.9	104.	28.1	359.	0.	0.
03	1319.	17.8	755.	15.8	76.	8.6	22.	8.5	54.	33.2	487.	29.9	109.	27.5	378.	0.	0.
04	1363.	18.7	780.	17.5	94.	10.7	30.	9.4	64.	33.6	509.	31.7	118.	27.2	393.	0.	0.
05	1404.	19.6	758.	49.1	143.	13.4	39.	40.0	103.	0.	503.	33.3	123.	0.	380.	0.	0.
06	1446.	20.6	756.	51.4	194.	16.7	49.	41.2	145.	0.	496.	34.6	130.	0.	366.	0.	0.
07	1490.	21.6	755.	53.9	248.	26.7	68.	35.7	180.	0.	487.	34.7	134.	0.	353.	0.	0.
08	1536.	20.1	758.	50.1	298.	36.8	94.	24.0	204.	0.	480.	35.0	138.	0.	343.	0.	0.
09	1584.	21.0	762.	52.0	350.	45.8	126.	19.6	224.	0.	472.	35.2	140.	0.	332.	0.	0.
10	1634.	25.9	771.	50.5	400.	52.3	162.	14.9	239.	0.	463.	35.5	141.	0.	322.	0.	0.
11	1686.	27.0	780.	52.4	453.	58.0	193.	21.1	260.	0.	453.	35.6	141.	0.	312.	0.	0.
12	1740.	28.1	790.	54.4	507.	67.9	224.	23.4	283.	0.	442.	35.2	142.	0.	300.	0.	0.
13	1795.	33.8	806.	52.8	560.	79.2	257.	19.1	302.	0.	430.	34.7	141.	0.5	289.	0.	0.
14	1853.	35.2	822.	54.6	614.	90.2	295.	16.7	319.	0.	417.	34.2	140.	1.3	277.	0.	0.
15	1913.	36.6	839.	56.8	671.	98.3	336.	18.5	336.	0.	403.	33.7	138.	1.9	265.	0.	0.
16	1975.	38.1	857.	59.0	730.	105.1	373.	21.8	357.	0.	388.	33.2	138.	2.0	252.	0.	0.
17	2039.	39.6	875.	61.3	792.	111.1	403.	29.5	387.	0.	372.	32.3	133.	2.4	238.	0.	0.
18	2105.	41.2	895.	63.8	855.	119.3	434.	34.7	422.	0.	355.	31.4	131.	2.9	224.	0.	0.
19	2174.	42.9	915.	66.3	922.	129.4	465.	35.1	457.	0.	337.	30.4	127.	3.4	210.	0.	0.
20	2245.	44.7	936.	68.9	991.	140.0	500.	34.1	491.	0.	318.	29.4	123.	3.8	195.	0.	0.
21	2198.	0.	909.	0.	991.	150.2	539.	0.	452.	0.	298.	28.3	119.	4.0	178.	0.	0.
22	2149.	0.	881.	0.	991.	160.2	580.	0.	411.	0.	277.	27.0	115.	4.3	162.	0.	0.
23	2117.	0.	850.	0.	991.	155.6	606.	0.	385.	0.	256.	25.7	110.	4.7	146.	0.	0.

24	2045.	0.	817.	0.	991.	151.9	618.	0.	373.	0.	234.	24.3	105.	5.1	129.	0.	0.
25	1985.	0.	783.	0.	990.	152.2	620.	0.	370.	0.	213.	22.9	100.	5.4	113.	0.	0.
26	1925.	0.	745.	0.	988.	155.6	615.	4.8	372.	0.	192.	21.5	94.	5.6	98.	0.	0.
27	1862.	0.	705.	0.	984.	160.7	620.	0.	363.	0.	173.	19.9	89.	5.7	85.	0.	0.
28	1795.	0.	661.	0.	978.	154.7	623.	0.	354.	0.	156.	18.4	83.	5.9	74.	0.	0.
29	1726.	0.	615.	0.	969.	145.9	617.	6.4	352.	0.	142.	17.0	77.	5.9	65.	0.	0.
30	1653.	0.	565.	0.	957.	139.8	601.	16.0	356.	0.	131.	15.7	71.	5.7	60.	0.	0.
31	1594.	0.	550.	0.	944.	137.0	577.	23.7	367.	0.	100.	14.5	66.	5.4	34.	0.	0.
32	1530.	0.	533.	0.	930.	137.4	560.	17.3	370.	0.	67.	13.4	61.	5.0	6.	0.	0.
33	1463.	0.	515.	0.	915.	140.2	554.	5.6	360.	0.	34.	-10.1	34.	5.7	0.	0.	0.
34	1393.	0.	496.	0.	897.	138.4	554.	0.2	343.	0.	0.	-17.8	0.	0.	0.	0.	0.
35	1324.	0.	476.	0.	848.	135.8	533.	1.3	298.	0.	0.	14.5	0.	0.	0.	0.	0.
36	1252.	0.	456.	0.	797.	131.7	547.	5.7	250.	0.	0.	13.4	0.	0.	0.	0.	0.
37	1177.	0.	434.	0.	743.	122.3	529.	18.0	214.	0.	0.	-10.1	0.	0.	0.	0.	0.
38	1107.	0.	414.	0.	693.	114.5	504.	24.9	188.	0.	0.	-17.8	0.	0.	0.	0.	0.
39	1034.	0.	393.	0.	641.	107.5	476.	28.3	165.	0.	0.	14.5	0.	0.	0.	0.	0.
40	957.	0.	367.	0.	590.	100.5	445.	31.2	145.	0.	0.	13.4	0.	0.	0.	0.	0.
41	878.	0.	340.	0.	538.	92.5	415.	29.7	123.	0.	0.	-10.1	0.	0.	0.	0.	0.
42	796.	0.	312.	0.	483.	80.4	381.	34.1	102.	0.	0.	-17.8	0.	0.	0.	0.	0.
43	709.	0.	278.	0.	431.	67.9	341.	39.6	89.	0.	0.	14.5	0.	0.	0.	0.	0.
44	619.	0.	243.	0.	376.	57.6	299.	42.9	78.	0.	0.	13.4	0.	0.	0.	0.	0.
45	526.	0.	207.	0.	319.	50.6	257.	41.9	63.	0.	0.	-10.1	0.	0.	0.	0.	0.
46	429.	0.	168.	0.	260.	44.1	220.	36.3	40.	0.	0.	-17.8	0.	0.	0.	0.	0.
47	328.	0.	129.	0.	199.	37.8	190.	30.2	9.	0.	0.	14.5	0.	0.	0.	0.	0.
48	223.	0.	88.	0.	135.	2.8	135.	0.	0.	0.	0.	13.4	0.	0.	0.	0.	0.
49	114.	0.	45.	0.	69.	0.	69.	0.	0.	0.	0.	-10.1	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-17.8	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

ECONOMIC COST CASE																	

YR	CAPITAL INVESTMENTS				EXPENSES												
**	*****				*****												
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS			
	*****	*****	*****	*****	*****	*****				*****				*****			
						FABRICATION	URANIUM					FABRICATION	PU	PU	WITH	W/O	
					FUEL	RECOVERY	FEED	SEP	WK	SALES	PURCHASES	RECOVERY	SALES	PURCHASES	PU	PU	
					O&M	O&M						O&M					
77	11.45	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.	0.	0.	33.98	33.98	
78	19.44	9.17	0.	28.61	30.42	2.49	1.35	0.70	0.	0.	0.	0.	0.	0.	63.57	63.57	
79	26.96	13.58	0.	40.54	44.86	3.86	2.29	1.30	0.	0.	0.	0.	0.	0.	92.86	92.86	
80	34.26	18.11	0.	52.37	58.80	5.32	3.30	1.98	0.	0.	0.	0.	0.	0.	121.76	121.76	
81	41.26	22.86	0.	64.13	72.24	6.86	4.38	2.71	0.	0.	0.	0.	0.	0.	150.30	150.30	
82	48.00	27.80	0.	75.80	85.20	8.60	5.49	3.51	0.	0.	0.	0.	0.	0.	178.49	178.49	
83	54.51	32.87	0.	87.38	97.69	10.22	6.68	4.36	0.	0.	0.	0.	0.	0.	206.34	206.34	
84	60.82	38.06	0.	98.88	109.73	12.04	7.93	5.28	0.	0.	0.	0.	0.	0.	233.85	233.85	
85	66.95	43.33	0.	110.28	121.31	13.94	9.24	6.25	0.	0.	0.	0.	0.	0.	261.03	261.03	
86	72.94	48.66	0.	121.59	132.44	15.93	10.61	7.27	0.19	0.19	0.	0.	0.	0.	287.84	287.84	
87	78.79	54.02	0.	132.81	143.14	18.04	11.79	8.20	0.39	0.39	0.	0.	0.	0.	313.98	313.98	
88	84.83	59.39	0.	143.93	153.41	20.29	12.97	9.12	0.59	0.59	0.	0.	0.	0.	339.71	339.71	
89	90.19	64.76	0.	154.94	163.28	22.85	14.15	10.04	0.79	0.79	0.	0.	0.	0.	365.06	365.06	
90	95.76	70.10	0.	165.86	172.77	25.12	15.34	10.95	0.99	0.99	0.	0.	0.	0.	390.05	390.05	
91	101.65	75.41	0.	177.06	181.89	27.65	16.74	11.95	1.27	1.27	0.	0.	0.	0.	415.29	415.29	
92	107.62	80.54	0.	188.16	190.61	30.25	18.09	12.92	1.57	1.57	0.	0.	0.	0.	440.03	440.03	
93	113.67	85.50	0.	199.17	198.98	32.91	19.42	13.89	1.87	1.87	0.	0.	0.	0.	464.38	464.38	
94	119.70	90.40	0.	210.11	207.01	35.63	20.77	14.86	2.19	2.19	0.	0.	0.	0.	488.37	488.37	
95	125.82	95.13	0.	220.95	214.71	38.40	22.08	15.81	2.50	2.50	0.	0.	0.	0.	511.95	511.95	
96	132.02	99.67	0.	231.69	222.11	41.20	23.45	16.79	2.86	2.86	0.	0.	0.	0.	535.24	535.24	
97	138.31	104.03	0.	242.34	229.24	44.02	24.77	17.75	3.23	3.23	0.	0.	0.	0.	558.13	558.13	
98	144.67	108.22	0.	252.89	236.11	46.86	26.05	18.71	3.62	3.62	0.	0.	0.	0.	580.63	580.63	
99	151.11	112.24	0.	263.35	242.73	49.72	27.30	19.67	4.05	4.05	0.	0.	0.	0.	602.76	602.76	
00	157.62	116.09	0.	273.71	249.16	52.58	28.50	20.61	4.52	4.52	0.	0.	0.	0.	624.56	624.56	
01	159.57	122.70	0.	282.27	255.12	55.53	30.03	21.69	5.05	5.05	0.	0.	0.	0.	644.84	644.84	
02	161.55	129.45	0.	291.00	260.63	58.56	31.62	22.81	5.64	5.64	0.	0.	0.	0.	664.62	664.62	
03	163.51	136.11	0.	299.62	265.73	61.66	33.22	23.95	6.27	6.27	0.	0.	0.	0.	684.17	684.17	
04	165.45	142.68	0.	308.13	270.49	64.80	34.87	25.08	6.98	6.98	0.	0.	0.	0.	703.38	703.38	
05	167.37	149.02	0.	316.39	274.84	68.04	36.41	26.24	7.76	7.76	0.	0.	0.	0.	721.92	721.92	
06	169.26	155.28	0.	324.54	278.79	71.36	38.08	27.45	8.76	8.76	0.	0.	0.	0.	740.21	740.21	
07	171.14	161.47	0.	332.61	282.48	74.75	39.67	28.63	9.98	9.98	0.	0.	0.	0.	758.15	758.15	
08	172.80	166.90	0.	339.69	285.95	78.19	41.29	29.79	11.36	11.36	0.	0.	0.	0.	774.92	774.92	
09	174.42	172.22	0.	346.64	289.22	81.66	42.91	30.91	12.86	12.86	0.	0.	0.	0.	791.34	791.34	
10	176.31	177.09	0.	353.40	292.33	85.14	44.51	31.99	14.43	14.43	0.	0.	0.	0.	807.36	807.36	
11	178.18	181.86	0.	360.03	295.29	88.62	46.13	33.08	16.12	16.12	0.	0.	0.	0.	823.13	823.13	
12	180.00	186.53	0.	366.54	298.12	92.09	47.79	34.09	17.95	17.95	0.	0.	0.	0.	838.63	838.63	
13	182.08	190.79	0.	372.87	300.85	95.54	49.43	35.10	19.92	19.92	0.	0.	0.	0.	853.79	853.79	
14	184.2	194.97	0.	379.08	303.48	98.98	51.08	36.07	21.95	21.95	0.	0.	0.	0.	868.67	868.67	
15	186.3	199.06	0.	385.17	306.04	102.34	52.74	37.01	24.05	24.05	0.	0.	0.	0.	883.30	883.30	

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	18.	21.		18	1.51	5.7	54.	37	21	19	3.	0.				
17	190.00	207.01	0.	397.01	310.92	109.00	56.29	38.85	28.41	28.41	0.	0.	0.	897.75	897.75	
18	191.89	210.87	0.	402.77	313.25	112.27	58.26	39.78	30.73	30.73	0.	0.	0.	912.08	912.08	
19	193.75	214.66	0.	408.41	315.52	115.49	60.39	40.70	33.21	33.21	0.	0.	0.	926.33	926.33	
20	195.58	218.37	0.	413.95	317.72	118.66	62.69	41.61	35.88	35.88	0.	0.	0.	940.80	940.80	
														954.63	954.63	
21	195.58	218.37	0.	413.95	319.75	121.83	64.85	42.42	38.72	38.72	0.	0.	0.	962.59	962.59	
22	195.58	218.37	0.	413.95	321.61	124.41	66.90	43.12	41.43	41.43	0.	0.	0.	969.99	969.99	
23	195.58	218.37	0.	413.95	323.32	127.01	68.79	43.72	44.03	44.03	0.	0.	0.	976.78	976.78	
24	195.58	218.37	0.	413.95	324.87	129.43	70.83	44.25	46.57	46.57	0.	0.	0.	983.03	983.03	
25	195.58	218.37	0.	413.95	326.28	131.68	72.19	44.73	49.10	49.10	0.	0.	0.	988.82	988.82	
26	195.58	218.37	0.	413.95	327.55	133.77	73.77	45.17	51.64	51.64	0.	0.	0.	994.20	994.20	
27	195.58	218.37	0.	413.95	328.68	135.71	75.28	45.57	54.06	54.06	0.	0.	0.	999.18	999.18	
28	195.58	218.37	0.	413.95	329.67	137.51	76.70	45.94	56.31	56.31	0.	0.	0.	1003.76	1003.76	
29	195.58	218.37	0.	413.95	330.54	139.17	78.07	46.29	58.42	58.42	0.	0.	0.	1008.02	1008.02	
30	195.58	218.37	0.	413.95	331.29	140.71	79.43	46.62	60.41	60.41	0.	0.	0.	1012.00	1012.00	
31	195.58	218.37	0.	413.95	331.98	142.11	80.58	46.92	62.30	62.30	0.	0.	0.	1015.53	1015.53	
32	195.58	218.37	0.	413.95	332.63	143.38	81.59	47.19	64.14	64.14	0.	0.	0.	1018.73	1018.73	
33	195.58	218.37	0.	413.95	333.23	144.52	82.48	47.43	66.05	66.05	0.	0.	0.	1021.57	1021.57	
34	195.58	218.37	0.	413.95	333.79	145.54	83.15	47.63	68.00	68.00	0.	0.	0.	1024.04	1024.04	
35	195.58	218.37	0.	413.95	334.30	146.45	83.85	47.80	69.76	69.76	0.	0.	0.	1026.35	1026.35	
36	195.58	218.37	0.	413.95	334.78	147.26	84.42	47.94	71.27	71.27	0.	0.	0.	1028.34	1028.34	
37	195.58	218.37	0.	413.95	335.22	147.98	84.92	48.06	72.65	72.65	0.	0.	0.	1030.12	1030.12	
38	195.58	218.37	0.	413.95	335.62	148.61	85.39	48.16	73.93	73.93	0.	0.	0.	1031.73	1031.73	
39	195.58	218.37	0.	413.95	336.00	149.16	85.81	48.24	75.04	75.04	0.	0.	0.	1033.16	1033.16	
40	195.58	218.37	0.	413.95	336.33	149.64	86.19	48.31	75.99	75.99	0.	0.	0.	1034.42	1034.42	
A-337	41	195.58	218.37	0.	413.95	336.83	150.06	86.49	48.37	76.82	76.82	0.	0.	0.	1035.49	1035.49
42	195.58	218.37	0.	413.95	336.90	150.41	86.74	48.41	77.56	77.56	0.	0.	0.	1036.40	1036.40	
43	195.58	218.37	0.	413.95	337.12	150.71	86.97	48.45	78.17	78.17	0.	0.	0.	1037.20	1037.20	
44	195.58	218.37	0.	413.95	337.31	150.95	87.18	48.48	78.66	78.66	0.	0.	0.	1037.87	1037.87	
45	195.58	218.37	0.	413.95	337.46	151.15	87.36	48.51	79.12	79.12	0.	0.	0.	1038.42	1038.42	
46	195.58	218.37	0.	413.95	337.58	151.30	87.48	48.52	79.54	79.54	0.	0.	0.	1038.83	1038.83	
47	195.58	218.37	0.	413.95	337.66	151.41	87.53	48.52	79.87	79.73	0.	0.	0.	1038.94	1039.08	
48	195.58	218.37	0.	413.95	337.72	151.49	87.53	48.52	80.10	79.88	0.	0.	0.	1038.98	1039.21	
49	195.58	218.37	0.	413.95	337.75	151.52	87.53	48.52	80.32	80.03	0.	0.	0.	1038.98	1039.27	
50	195.58	218.37	0.	413.95	337.75	151.52	87.53	48.52	80.55	80.21	0.	0.	0.	1038.93	1039.27	

TABLE A-9

CAPITAL COST OF GCRs 1.2 TIMES THAT OF LWRs

		<u>Present Valued Benefit (Billions of \$)</u>	<u>Case Page Number</u>
CASE 1.	No reprocessing and the LWR is the only nuclear option. [1153.80]	--	A-17
CASE 2.	With reprocessing and the LWR is the only nuclear option. [1065.34] (Case 1 - Case 2)	88	A-22
CASE 3.	No reprocessing and the LWR and PBR-4021 are the only nuclear options. [1114.96] (Case 1 - Case 3)	39	A-34
CASE 4.	With reprocessing and the LWR and PBR-4021 are the only nuclear options. [1068.07] (Case 2 - Case 4)	0	A-34
CASE 5.	With reprocessing and the LWR, PBR-4021, PBR-PB, and PBR-NB are the only nuclear options. [1068.20] (Case 2 - Case 5)	0	A-354
CASE 6.	With reprocessing and the LWR, PBR-4021, PBR-PB, and PBR-PBTBR are the only nuclear options. [1052.3] (Case 2 - Case 6)	13	A-359
CASE 7.	No reprocessing and the LWR and HTGR-OC are the only nuclear options. [1154.45] (Case 1 - Case 7)	0	A-364
CASE 8.	With reprocessing and the LWR and HTGR-RC are the only nuclear options. [1058.04] (Case 2 - Case 8)	7	A-37C
CASE 9.	With reprocessing and the LWR and HTGR-HC are the only nuclear options. [1062.12] (Case 2 - Case 9)	3	A-376
CASE 10.	With reprocessing and the LWR and PBR-78 are the only nuclear options. [1048.53] (Case 2 - Case 10)	17	A-381

[] = Present valued cost of generating electricity for this case.

DTA CALL NO.....1.

INPUT EDITS

CRD NO....1 (***** REFERENCE INFORMATION FOR GCR INCENTIVES CASES *****)\$
 CRD NO....2 (DATA LAST CHANGED 1-5-79)\$
 CRD NO....3 (BASE DATA SET FOR PBR,S)\$
 CRD NO....4 \$
 CRD NO....5 (BREEDER PERFORMANCE DATA)\$
 CRD NO....6 \$
 CRD NO....7 (LMFBR OUT OF CORE RATIOS)\$
 CRD NO....8 09(30)=2.5,09(65)=2.5,09(80)=1.5,09(121)=1.5 \$
 CRD NO....9 (LMFBR SPECIFIC POWER KWTH/KG PU FISSILE FOR 1ST CORE)\$
 CRD NO....10 D3(30)=1000. , D3(121)=1000. \$
 CRD NO....11 (LMFBR THERMAL EFFICIENCY)\$
 CRD NO....12 D4(30)=0.38,D4(121)=0.38 \$
 CRD NO....13 \$
 CRD NO....14 (INVENTORY SLOPES)\$
 CRD NO....15 \$
 CRD NO....16 (INVENTORY ON U-CYCLE LWR PU (MILLS/KW-HR0)/(\$/GM PU))\$
 CRD NO....17 CBUINV=0.0 , CPUINV=0.00236 \$
 CRD NO....18 CGUINV=0.003126 \$
 CRD NO....19 (PU CREDIT BASED ON LEVELIZATION PERIOD - (MILLS/KWHR)/(\$/GM))\$
 CRD NO....20 BWSFI =0.0 , PWSFI=0.0566\$
 CRD NO....21 \$
 CRD NO....22 (LWR U-CYCLE & HTGR PERFORMANCE DATA)\$
 CRD NO....23 \$
 CRD NO....24 (BWR,PWR,HTGR SPECIFIC POWERS -- MWTH/MTU)\$
 CRD NO....25 SPECIF(1)=1838.0,1714.0,26.9 \$
 CRD NO....26 (BWR,PWR,HTGR RELOAD BURNUPS -- MWDTH/MTU)\$
 CRD NO....27 BUPRLD(1)=1309430.0,571210.0,27500.0 \$
 CRD NO....28 (BWR,PWR,HTGR EFFICIENCY)\$
 CRD NO....29 EFFICY(1)=0.38,0.38,0.34 \$
 CRD NO....30 \$
 CRD NO....31 (PLUTONIUM PERFORMANCE DATA)\$
 CRD NO....32 \$
 CRD NO....33 PURCIN=242.0\$ INVERSE OF 4130.6 KG PU LOAD REQUIREMENT FOR 1000MWE
 CRD NO....34 PURCDC=257.0\$ INVERSE OF 3891.6 KG PU DISCHARGE PER 1000MWE
 CRD NO....35 (LWR PU RECYCLE PU CONSUMPTION RATE - KG PU/MWE-YR AT 100% CF)\$
 CRD NO....36 PURPCR(30) = 0.0748 , PURPCR(121)= 0.0748 \$
 CRD NO....37 (LWR PU RECYCLE PLUTONIUM INVENTORY - (MILLS/KWE-HR0)/(\$/GM PU))\$
 CRD NO....38 PURPIS(30) = 0.06816 , PURPIS(121)= 0.06816 \$
 CRD NO....39 (VALUE OF PU AFTER ONE RECYCLE - %/100)\$
 CRD NO....40 FPUVAU = 1.0 \$
 CRD NO....41 (NET PU PRODUCTION -- KG PU FISSILE/MWE-YR AT 100% CF)\$
 CRD NO....42 FBRPUP(30)=0.196,FBRPUP(121)=0.196 \$
 CRD NO....43 BWRPUP(30) = 0.0 , BWRPUP(121)= 0.0 \$
 CRD NO....44 PWRPUP(40) = 0.516 , PWRPUP(121)= 0.516 \$
 CRD NO....45 \$
 CRD NO....46 (U-233 PERFORMANCE DATA)\$
 CRD NO....47 \$
 CRD NO....48 UIRCIN=326.8 \$ INVERSE OF X KG U-233 LOAD REQUIRED FOR 1000 MWE
 CRD NO....49 UIRCDC=636.9 \$ INVERSE OF X KG U-233 DISCHARGE PER 1000 MWE

00000280
 00000290
 00000300
 00000310
 00000320
 00000330
 00000340
 00000350
 00000360
 00000370
 00000380
 00000390
 00000400
 00000410
 00000420
 00000430
 00000440
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 00000500
 00000510
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 00000600
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 00000630
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 00000650
 00000660
 00000670
 00000680
 00000690
 00000700
 00000710
 00000720
 00000730
 00000740
 00000750
 00000760

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CRD NO...50 (GCR U-233 CONSUMPTION RATE - KG U-233/MWE-YR AT 100% CF) \$ 00000770
CRD NO...51 UIRICR(30) = 0.6815, UIRICR(121) = 0.6815 \$ 00000780
CRD NO...52 (GCR U-233 RECYCLE INVENTORY - (MILLS/KWE-HRO)/(\$/GM PU)) \$ 00000790
CRD NO...53 UIRIIS(30) = 0.0741, UIRIIS(121) = 0.0741 \$ 00000800
CRD NO...54 (VALUE OF U-233 AFTER ONE RECYCLE - 1/100) \$ 00000810
CRD NO...55 FUIVAU = 1.00 \$ 00000820
CRD NO...56 (NET U-233 PRODUCTION -- KG U-233 FISSILE/MWE-YR AT 100% CF) \$ 00000830
CRD NO...57 GCRUIP(45) = 0.235, GCRUIP(121) = 0.235 \$ 00000840
CRD NO...58 (U-233 CREDIT BASED ON LEVELIZATION PERIOD-(MILLS/KWHR)/(\$/GM)) \$ 00000850
CRD NO...59 GCRSFI = 0.0237 00000860
CRD NO...60 \$ 00000870
CRD NO...61 (FUEL SERVICE CHARGES)\$ 00000880
CRD NO...62 \$ 00000890
CRD NO...63 (LWR AND GCR ENRICHMENT COSTS - (M/KWH)/(\$/SWU)) \$ 00000900
CRD NO...64 BWRDEC(30) = 0.0187, BWRDEC(121) = 0.0187 \$ 00000910
CRD NO...65 BWRIEC(30) = 0.0142, BWRIEC(121) = 0.0142 \$ 00000920
CRD NO...66 PWRDEC(30) = 0.0258, PWRDEC(121) = 0.0258 \$ 00000930
CRD NO...67 PWRIEC(30) = 0.0156, PWRIEC(121) = 0.0156 \$ 00000940
CRD NO...68 GCRDEC(30) = 0.0154, GCRDEC(121) = 0.0154 \$ 00000950
CRD NO...69 GCRIEC(30) = 0.00966, GCRIEC(121) = 0.00966 \$ 00000960
CRD NO...70 (SEPARATIVE WORK COST - \$/SWU)\$ 00000970
CRD NO...71 ECOST(30)=61, ECOST(37)=61, ECOST(40)=75, ECOST(45)=85. \$ 00000980
CRD NO...72 ECOST(121)=85. \$ 00000990
CRD NO...73 SWUPCF = 0.0 \$ 0001000
CRD NO...74 CONVER(35)=4.5, CONVER(40)=4.5, CONVER(60)=4.5, CONVER(121)=4.5 \$ 0001010
CRD NO...75 (LWR AND GCR URANIUM COST (MILLS/KWH)/(\$/LB U3O8)) \$ 0001020
CRD NO...76 BWRDUC(30) = 0.0368, BWRDUC(121) = 0.0368 \$ 0001030
CRD NO...77 BWRIUC(30) = 0.0364, BWRIUC(121) = 0.0364 \$ 0001040
CRD NO...78 PWRDUC(30) = 0.0503, PWRDUC(121) = 0.0503 \$ 0001050
CRD NO...79 PWRIUC(30) = 0.0458, PWRIUC(121) = 0.0458 \$ 0001060
CRD NO...80 GCRDUC(30) = 0.0407, GCRDUC(121) = 0.0407 \$ 0001070
CRD NO...81 GCRIUC(30) = 0.0468, GCRIUC(121) = 0.0468 \$ 0001080
CRD NO...82 (BWR,PWR,HTGR URANIUM INVENTORY FACTORS)\$ 0001090
CRD NO...83 UINVEN(1)=1.50,1.50,1.50 \$ 0001100
CRD NO...84 (BWR,PWR,GCR URANIUM ENRICHMENTS -- WEIGHT PERCENT U235)\$ 0001110
CRD NO...85 EPNINT(1)=.93,.93,.0203 \$ 0001120
CRD NO...86 EPNRLD(1)=.93,.93,.0273 \$ 0001130
CRD NO...87 EPNOUT(1)=.002,.002,.008 \$ 0001140
CRD NO...88 (TAILS COMPOSITION - WT%U235)\$ 0001150
CRD NO...89 TAILS=0.20\$ 0001160
CRD NO...90 TAILSL=0.0001\$ 0001170
CRD NO...91 (FABRICATION CHARGES - MILLS/KWE-HRO)\$ 0001180
CRD NO...92 BWRFAB(30)=.537,BWRFAB(121)=.537 \$ 0001190
CRD NO...93 PWRFAB(30)=1.973,PWRFAB(121)=1.973 \$ 0001200
CRD NO...94 PURFAB(30)=2.025,PURFAB(121)=2.025 \$ 0001210
CRD NO...95 GCRFAB(30)=0.810,GCRFAB(121)=0.810 \$ 0001220
CRD NO...96 UIRFAB(30)=3.00,UIRFAB(121)=3.00 \$ 0001230
CRD NO...97 FBRFAB(30)=1.746,FBRFAB(121)=1.746 \$ 0001240
CRD NO...98 (RECOVERY CHARGES - MILLS/KWE-HRO)\$ 0001250
CRD NO...99 BWRREC(30)=0.1080,BWRREC(121)=0.1080 \$ 0001260
CRD NO...100 PWRREC(30)=1.978,PWRREC(121)=1.978 \$ 0001270
CRD NO...101 PURREC(30)=1.656,PURREC(121)=1.656 \$ 0001280

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CRD NO. 102 GCRREC(30)=1.03,GCRREC(121)=1.03 \$
 CRD NO. 103 UIRREC(30)=1.03,UIRREC(121)=1.03 \$
 CRD NO. 104 FBRREC(30)=1.353,FBRREC(121)=1.353 \$
 CRD NO. 105 (OPERATING & MAINTENANCE COSTS - MILLS/KWE-HRO) \$
 CRD NO. 106 FOSOM(30)=1.60,FOSOM(121)=1.60 \$
 CRD NO. 107 BWRDM(30)=2.12,BWRDM(121)=2.12 \$
 CRD NO. 108 PWROM(30)=2.12,PWROM(121)=2.12 \$
 CRD NO. 109 PUROM(30)=2.12,PUROM(121)=2.12 \$
 CRD NO. 110 GCRDM(30)=2.12,GCRDM(121)=2.12 \$
 CRD NO. 111 UIROM(30)=2.12,UIROM(121)=2.12 \$
 CRD NO. 112 FBROM(30)=2.12,FBROM(121)=2.12 \$
 CRD NO. 113 (CAPITAL COSTS -- \$/KWE) \$
 CRD NO. 114 FOCC(1) = 500.0 , 99999.0 , 99999.0 \$
 CRD NO. 115 BWRCC(1)=720 , BWRCC(121)=720 \$
 CRD NO. 116 PWRCC(1)=720 , PWRCC(121)=720 \$
 CRD NO. 117 GCRCC(1)=600. , GCRCC(121)=600. \$
 CRD NO. 118 FBRCC(1)=720,FBRCC(121)=720 \$
 CRD NO. 119 \$
 CRD NO. 120 (ANNUAL INFLATION RATES - %/100) \$
 CRD NO. 121 \$
 CRD NO. 122 RATEML(20)=.06,RATEML(121)=.06 \$
 CRD NO. 123 RATEM(20)=.06,RATEM(121)=.06 \$
 CRD NO. 124 RATEFL(20)=.06,RATEFL(121)=.06 \$
 CRD NO. 125 RATEG(1)=.06,RATEG(121)=.06 \$
 CRD NO. 126 RATEN(20)=.06,RATEN(121)=.06 \$
 CRD NO. 127 JTRIP=160 \$
 CRD NO. 128 \$
 CRD NO. 129 (MATERIAL AND LABOR SPLITS) \$
 CRD NO. 130 \$
 CRD NO. 131 FLBFAB=.1,FMBFAB=.9,FLBREC=.3,FMBREC=.2,FLBDM=1.0 \$
 CRD NO. 132 FLBCC=1.0,FMBCC=0.00 \$
 CRD NO. 133 FLFCC=1.0,FMFCC=0.00,FLFDM=1.0 \$
 CRD NO. 134 FLLCC=1.0,FMLCC=0.00 \$
 CRD NO. 135 FLLFAB=.61 ,FMLFAB=.39 ,FLLREC=.45,FMLREC=.3 ,FLLDM=1.0 \$
 CRD NO. 136 FLLEC=.15 ,FMLEC=.55 ,FLLUC=.5,FMLUC=.4 \$
 CRD NO. 137 FLPFAB=.4,FMPFAB=.6,FLPREC=.45,FMPREC=.3,FLPUOM=1.0 \$
 CRD NO. 138 FLGCC=1.0,FMGCC=0.00 \$
 CRD NO. 139 FLGFAB=.61 ,FMGFAB=.39 ,FLGREC=.45,FMGREC=.3 ,FLGDM=1.0 \$
 CRD NO. 140 FLGEC=.15 ,FMGEC=.55 ,FLGUC=.5,FMGUC=.4 \$
 CRD NO. 141 FLIFAB=.4,FMIFAB=.6,FLIREC=.45,FMIREC=.3,FLUIDM=1.0 \$
 CRD NO. 142 \$
 CRD NO. 143 (ECONOMICS - INTEREST & DISCOUNT RATES - %/100) \$
 CRD NO. 144 \$
 CRD NO. 145 R=0.1024 \$
 CRD NO. 146 DRWTP=0.1236,DRWTP=0.1130 \$
 CRD NO. 147 (EFFECTIVE INTEREST RATE PLUS TAXES) \$
 CRD NO. 148 EINRPT=0.1556 \$
 CRD NO. 149 FBRD30=0.0252 \$
 CRD NO. 150 FBRI30=0.1187 \$
 CRD NO. 151 FBRI30=0.1300 \$
 CRD NO. 152 FBROJB = 0.0193 , FBRIJB = 0.1288 \$
 CRD NO. 153 (AVERAGE CAPITAL CHARGE RATE) \$

00001290
 00001300
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 00001370
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 00001600
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 00001760
 00001770
 00001780
 00001790
 00001800

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CRD NO..154 AVECCR=0.1464 \$
CRD NO..155 ACCR30 = 0.1380 \$
CRD NO..156 (REGIONAL CAPITAL CHARGE RATE MULTIPLIERS)\$
CRD NO..157 CCR(1)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
CRD NO..158 CCR(10)=1.0,1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
CRD NO..159 CCR(19)=1.0,1.0,1.0,1.0,1.0,1.0,1.0 \$
CRD NO..160 \$
CRD NO..161 (MISCELLANEOUS INPUTS)\$
CRD NO..162 \$
CRD NO..163 A1=2.0,A3=0.5485 \$
CRD NO..164 (YR IN WHICH URAN RECYCLE BEGINS & TIME TO DEPLETION)\$
CRD NO..165 LFYUR =2005 , LTDURS = 1 \$
CRD NO..166 (YR IN WHICH PU RECYCLE BEGINS & TIME TO DEPLETION OF STOCKPILE)\$
CRD NO..167 LFYPUR = 2005 \$
CRD NO..168 LTDPUS = 4 \$
CRD NO..169 (YR OF GCR INTRO, YR U-233 RECYCLE BEGINS, YRS TO STOCK DEplete) \$
CRD NO..170 G1 = 1995 , LFYUR = 1990 , LTDURS = 10 \$
CRD NO..171 (FRACTION OF THE CAPITAL COST WHICH IS INTEREST DURING CONSTRUCTION)\$
CRD NO..172 CINDC = 0.0 \$
CRD NO..173 HGORF = 0.00 \$
CRD NO..174 GCRLIM(1)=1.,2.,4.,6.,9.,12.,14.,16.,18.,20. \$
CRD NO..175 FBRLIM(1)=1.,2.,4.,6.,9.,12.,14.,16.,18.,20. \$
CRD NO..176 JB = 16 \$
CRD NO..177 NY = 2050 , LYEAR = 2020 O1 = 2010. \$
CRD NO..178 IFIRST = 2001 \$
CRD NO..179 IBTOPW = 2005 \$
CRD NO..180 (CAPACITY FACTOR INFORMATION)\$
CRD NO..181 RL11 = 0.70 , RL21 = 0.80 , RL31 = 0.80 , RL61 = 0.70 \$
CRD NO..182 C(1)=1.0,C(6)=1.0,C(40)=.815,C(81)=.421,C(82)=0.0 \$
CRD NO..183 (BWR TO LWR FRACTION)\$
CRD NO..184 BWRLWR=1.00\$
CRD NO..185 NOUT(1)=1,3,1,1,1,1,1,0,0,0,1,0,1,1,1,1,0,0,1,0 \$
CRD NO..186 NOUT(21)=1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1 \$
DTA CALL NO.....2 INPUT EDITS

00001810
00001820
00001830
00001840
00001850
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00001870
00001880
00001890
00001900
00001910
00001920
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00001950
00001960
00001970
00001980
00001990
00002000
00002010
00002020
00002030
00002040
00002050
00002060
00002070
00002080
00002090
00002100
00002110
00002120
00002130

CRD NO....1 (CURRENT AVERAGE FOSSIL FUEL COST FOR EXISTING PLANTS - C/MBTU)\$
CRD NO....2 CAFOFC = 90.0 \$
CRD NO....3 (AVERAGE FOSSIL FUEL COSTS - COAL - OIL - GAS - CENTS/MBTU)\$
CRD NO....4 AFOFC(1) = 100.0, 999999.0, 999999.0 \$
CRD NO....5 (FOSSIL FUEL COST MULTIPLIERS - FOFC(1,J) - I=FUEL,J=REGION)\$
CRD NO....6 FOFC(1,1) = 1.108,1.,1. \$
CRD NO....7 FOFC(1,2) = 1.517,1.,1. \$
CRD NO....8 FOFC(1,3) = 1.517,1.,1. \$
CRD NO....9 FOFC(1,4) = 1.913,1.,1. \$
CRD NO....10 FOFC(1,5) = 0.726,1.,1. \$
CRD NO....11 FOFC(1,6) = 1.082,1.,1. \$
CRD NO....12 FOFC(1,7) = 1.082,1.,1. \$
CRD NO....13 FOFC(1,8) = 1.610,1.,1. \$
CRD NO....14 FOFC(1,9) = 0.699,1.,1. \$
CRD NO....15 FOFC(1,10)= 1.240,1.,1. \$
CRD NO....16 FOFC(1,11)= 1.240,1.,1. \$

00002140
00002150
00002160
00002170
00002180
00002190
00002200
00002210
00002220
00002230
00002240
00002250
00002260
00002270
00002280
00002290

CRD NO...17 FOFC(1,12)= 1.728,1.,1. \$ 00002300
 CRD NO...18 FOFC(1,13)= 0.475,1.,1. \$ 00002310
 CRD NO...19 FOFC(1,14)= 0.765,1.,1. \$ 00002320
 CRD NO...20 FOFC(1,15)= 0.765,1.,1. \$ 00002330
 CRD NO...21 FOFC(1,16)= 0.890,1.,1. \$ 00002340
 CRD NO...22 FOFC(1,17)= 0.237,1.,1. \$ 00002350
 CRD NO...23 FOFC(1,18)= 0.237,1.,1. \$ 00002360
 CRD NO...24 FOFC(1,19)= 0.581,1.,1. \$ 00002370
 CRD NO...25 FOFC(1,20)= 1.003,1.,1. \$ 00002380
 CRD NO...26 FOFC(1,21)= 0.396,1.,1. \$ 00002390
 CRD NO...27 FOFC(1,22)= 0.396,1.,1. \$ 00002400
 CRD NO...28 FOFC(1,23)= 1.346,1.,1. \$ 00002410
 CRD NO...29 FOFC(1,24)= 1.346,1.,1. \$ 00002420
 CRD NO...30 (FOSSIL FUEL ESCALATION RATES)\$ 00002430
 CRD NO...31 FFER(1,30)=.01147,.01147,.01147 \$ 00002440
 CRD NO...32 FFER(1,121)=.01147,.01147,.01147 \$ 00002450
 CRD NO...33 (FOSSIL THERMAL EFFICIENCIES) 00002460
 CRD NO...34 FEFF(1) = 0.38 , 0.38 , 0.38 \$ 00002470
 CRD NO...35 (NUCLEAR LABOR COST MULTIPLIERS BY REGION)\$ 00002480
 CRD NO...36 LCMN(1) = 1.086,1.086,1.086,1.086,0.935,0.935,0.935,0.935,1.036,1.036 \$ 00002490
 CRD NO...37 LCMN(11)=1.036,1.036,0.985,0.985,0.985,0.985,0.960,0.960,0.960,0.960 \$ 00002500
 CRD NO...38 LCMN(21)= 0.998,0.998,0.998,0.998 \$ 00002510
 CRD NO...39 (FOSSIL LABOR COST MULTIPLIERS BY REGION)\$ 00002520
 CRD NO...40 LCMF(1) =1.072,1.072,1.072,1.072,0.936,0.936,0.936,0.936,1.030,1.030 \$ 00002530
 CRD NO...41 LCMF(11)=1.030,1.030,1.001,1.001,1.001,1.001,0.959,0.959,0.959,0.959 \$ 00002540
 CRD NO...42 LCMF(21)=0.857,0.857,0.857,0.857 \$ 00002550
 CRD NO...43 (GROWTH RATES)\$ 00002560
 CRD NO...44 GROW(20)=0.05,GROW(60)=0.05,GROW(61)=0.035,GROW(80)=0.035 \$ 00002570
 CRD NO...45 GROW(81)=0.05 00002580
 CRD NO...46 RGROW(1)=0.852,0.852,0.852,0.852,1.239,1.239,1.239,1.239,0.936,0.936 \$ 00002590
 CRD NO...47 RGROW(11)=0.936,0.936,0.937,0.937,0.937,0.937,1.239,1.239,1.239,1.239 \$ 00002600
 CRD NO...48 RGROW(21)=1.014,1.014,1.014,1.014 \$ 00002610
 CRD NO...49 (1975 REGIONAL INSTALLED CAPACITIES - MWE)\$ 00002620
 CRD NO...50 CAPBY(1)=26109.,16038.,16039.,16411.,13729.,20190.,20190.,26650. \$ 00002630
 CRD NO...51 CAPBY(9)=16931.,18744.,18745.,6047.,8134.,12428.,12426.,12200. \$ 00002640
 CRD NO...52 CAPBY(17)=16304.,16304.,8454.,19323.,13802.,13802.,20703.,20703. \$\$ 00002650

THE ABOVE CASE HAS BEEN SKIPPED (A1 IS GREATER THAN 1.0).

START OF CASE (
 DTA CALL NO.....7

030979
 INPUT EDITS

CRD NO....1 (CASE # 3 , LWR AND 4021 - NO RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , IBTOPW = 2051 \$
 CRD NO....4 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 \$
 CRD NO....5 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 \$
 CRD NO....6 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 \$
 CRD NO....7 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 \$
 CRD NO....8 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 \$
 CRD NO....9 UIRREC(30) = 0.475 , UIRREC(121) = 0.475 \$
 CRD NO....10 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 \$
 CRD NO....11 LFYUIR = 2051 , LFYPUR = 2051 \$
 CRD NO....12 GCRSFI = 0.0 , CGUINV = 0.0 \$
 CRD NO....13 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO....14 EPNOUT(3) = 0.002 \$\$
 DTA CALL NO.....8 INPUT EDITS

00002880
 00002890
 00002900
 00002910
 00002920
 00002930
 00002940
 00002950
 00002960
 00002970
 00002980
 00002990
 00003000
 00003010

CRD NO....1 \$\$

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	878.8	1039.6	321.2	0.	1926.80	1800.65	1041.29
2	1161.6	822.1	284.9	0.	1909.80	1751.98	1041.29
3	1109.7	867.5	284.9	0.	1900.13	1758.75	1041.29
4	1103.6	872.8	284.9	0.	1894.04	1757.76	1041.29

00003020

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	0.	0.	16.0	171.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	0.	0.	17.0	188.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	0.	0.	18.0	206.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	0.	0.	19.0	225.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	0.	0.	20.0	244.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	0.	0.	20.5	265.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	0.	0.	21.0	286.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	0.	0.	22.0	308.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	0.	0.	21.4	329.	0.	0.
A-345 96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	0.	0.	20.7	350.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	0.	0.	18.9	368.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	0.	0.	17.1	385.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	0.	0.	14.2	398.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	0.	0.	11.3	407.	0.	0.
01	1234.	18.6	756.	14.0	48.	0.	0.	14.0	48.	26.3	430.	0.	0.	26.3	430.	0.	0.
02	1275.	23.5	762.	16.0	64.	0.	0.	16.0	64.	24.1	449.	0.	0.	24.1	449.	0.	0.
03	1318.	24.7	772.	18.0	82.	0.	0.	18.0	82.	23.8	464.	0.	0.	23.8	464.	0.	0.
04	1361.	25.8	783.	20.0	102.	0.	0.	20.0	102.	23.6	476.	0.	0.	23.6	476.	0.	0.
05	1404.	27.1	789.	42.5	145.	0.	0.	42.5	145.	0.	470.	0.	0.	0.	470.	0.	0.
06	1447.	28.4	795.	44.6	189.	0.	0.	44.6	189.	0.	463.	0.	0.	0.	463.	0.	0.
07	1492.	29.8	802.	46.7	236.	0.	0.	46.7	236.	0.	454.	0.	0.	0.	454.	0.	0.
08	1539.	27.8	813.	43.4	279.	0.	0.	43.4	279.	0.	447.	0.	0.	0.	447.	0.	0.
09	1588.	28.9	825.	45.1	324.	0.	0.	45.1	324.	0.	439.	0.	0.	0.	439.	0.	0.
10	1638.	30.0	837.	46.8	371.	0.	0.	46.8	371.	0.	430.	0.	0.	0.	430.	0.	0.
11	1691.	33.3	853.	46.8	418.	0.	0.	46.8	418.	0.	420.	0.	0.	0.	420.	0.	0.
12	1746.	41.0	876.	43.2	461.	0.	0.	43.2	461.	0.	409.	0.	0.	0.	409.	0.	0.
13	1803.	42.6	900.	44.8	506.	0.	0.	44.8	506.	0.	397.	0.	0.	0.	397.	0.	0.
14	1862.	44.4	928.	46.6	553.	0.	0.	46.6	553.	0.	384.	0.	0.	0.	384.	0.	0.
15	1923.	46.2	952.	48.4	601.	0.	0.	48.4	601.	0.	370.	0.	0.	0.	370.	0.	0.
16	1986.	48.1	980.	50.3	651.	0.	0.	50.3	651.	0.	355.	0.	0.	0.	355.	0.	0.
17	2052.	50.0	1009.	52.2	703.	0.	0.	52.2	703.	0.	339.	0.	0.	0.	339.	0.	0.
18	2119.	52.1	1039.	54.3	758.	0.	0.	54.3	758.	0.	322.	0.	0.	0.	322.	0.	0.
19	2189.	54.2	1071.	56.4	814.	0.	0.	56.4	814.	0.	304.	0.	0.	0.	304.	0.	0.
20	2261.	56.4	1104.	58.6	873.	0.	0.	58.6	873.	0.	285.	0.	0.	0.	285.	0.	0.
21	2215.	0.	1077.	0.	873.	0.	0.	0.	873.	0.	265.	0.	0.	0.	265.	0.	0.
22	2166.	0.	1048.	0.	873.	0.	0.	0.	873.	0.	244.	0.	0.	0.	244.	0.	0.
23	2114.	0.	1018.	0.	873.	0.	0.	0.	873.	0.	223.	0.	0.	0.	223.	0.	0.

24	2059.	0.	985.	0.	873.	0.	0.	0.	873.	0.	201.	0.	0.	0.	201.	0.	0.
25	2002.	0.	950.	0.	872.	0.	0.	0.	872.	0.	180.	0.	0.	0.	180.	0.	0.
26	1942.	0.	913.	0.	870.	0.	0.	0.	870.	0.	159.	0.	0.	0.	159.	0.	0.
27	1879.	0.	872.	0.	866.	0.	0.	0.	866.	0.	140.	0.	0.	0.	140.	0.	0.
28	1812.	0.	829.	0.	860.	0.	0.	0.	860.	0.	123.	0.	0.	0.	123.	0.	0.
29	1743.	0.	783.	0.	851.	0.	0.	0.	851.	0.	109.	0.	0.	0.	109.	0.	0.
30	1670.	0.	733.	0.	839.	0.	0.	0.	839.	0.	98.	0.	0.	0.	98.	0.	0.
31	1611.	0.	714.	0.	825.	0.	0.	0.	825.	0.	71.	0.	0.	0.	71.	0.	0.
32	1547.	0.	691.	0.	809.	0.	0.	0.	809.	0.	47.	0.	0.	0.	47.	0.	0.
33	1481.	0.	666.	0.	791.	0.	0.	0.	791.	0.	24.	0.	0.	0.	24.	0.	0.
34	1411.	0.	640.	0.	771.	0.	0.	0.	771.	0.	0.	0.	0.	0.	0.	0.	0.
35	1342.	0.	613.	0.	728.	0.	0.	0.	728.	0.	0.	0.	0.	0.	0.	0.	0.
36	1269.	0.	585.	0.	684.	0.	0.	0.	684.	0.	0.	0.	0.	0.	0.	0.	0.
37	1192.	0.	555.	0.	637.	0.	0.	0.	637.	0.	0.	0.	0.	0.	0.	0.	0.
38	1121.	0.	527.	0.	594.	0.	0.	0.	594.	0.	0.	0.	0.	0.	0.	0.	0.
39	1047.	0.	498.	0.	549.	0.	0.	0.	549.	0.	0.	0.	0.	0.	0.	0.	0.
40	970.	0.	468.	0.	502.	0.	0.	0.	502.	0.	0.	0.	0.	0.	0.	0.	0.
41	890.	0.	435.	0.	455.	0.	0.	0.	455.	0.	0.	0.	0.	0.	0.	0.	0.
42	806.	0.	394.	0.	412.	0.	0.	0.	412.	0.	0.	0.	0.	0.	0.	0.	0.
43	718.	0.	351.	0.	367.	0.	0.	0.	367.	0.	0.	0.	0.	0.	0.	0.	0.
44	627.	0.	307.	0.	320.	0.	0.	0.	320.	0.	0.	0.	0.	0.	0.	0.	0.
45	533.	0.	261.	0.	272.	0.	0.	0.	272.	0.	0.	0.	0.	0.	0.	0.	0.
46	434.	0.	213.	0.	222.	0.	0.	0.	222.	0.	0.	0.	0.	0.	0.	0.	0.
47	332.	0.	163.	0.	169.	0.	0.	0.	169.	0.	0.	0.	0.	0.	0.	0.	0.
48	226.	0.	111.	0.	115.	0.	0.	0.	115.	0.	0.	0.	0.	0.	0.	0.	0.
49	118.	0.	56.	0.	59.	0.	0.	0.	59.	0.	0.	0.	0.	0.	0.	0.	0.
50	-0.	0.	-0.	0.	-0.	0.	-0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES										
**	*****				*****										
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS	
	*****	*****	*****	*****	*****	*****				*****				*****	
						FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU		WITH	W/O
					FUEL	RECOVERY	FEED	SEP	SALES	RECOVERY	SALES	PURCHASES		PU	PU
					O&M	O&M		WK		O&M					
77	11.45	5.18	0.	16.63	15.47	1.04	0.48	0.18	0.	0.	0.	0.		33.80	33.80
78	19.44	9.17	0.	28.61	30.42	2.15	1.50	0.72	0.	0.	0.	0.		63.40	63.40
79	26.96	13.58	0.	40.54	44.86	3.33	2.61	1.33	0.	0.	0.	0.		92.68	92.68
80	34.26	18.11	0.	52.37	58.80	4.59	3.79	2.02	0.	0.	0.	0.		121.57	121.57
81	41.26	22.86	0.	64.13	72.24	5.92	5.05	2.77	0.	0.	0.	0.		150.11	150.11
82	48.00	27.80	0.	75.80	85.20	7.33	6.38	3.69	0.	0.	0.	0.		178.30	178.30
83	54.51	32.87	0.	87.38	97.69	8.82	7.79	4.46	0.	0.	0.	0.		206.14	206.14
84	60.82	38.06	0.	98.88	109.73	10.38	9.27	5.40	0.	0.	0.	0.		233.66	233.66
85	66.95	43.33	0.	110.28	121.31	12.02	10.84	6.40	0.	0.	0.	0.		260.85	260.85
86	72.94	48.66	0.	121.59	132.47	13.73	12.48	7.44	0.	0.	0.	0.		287.71	287.71
87	78.79	54.02	0.	132.81	143.22	15.51	14.19	8.81	0.	0.	0.	0.		314.24	314.24
88	84.53	59.39	0.	143.93	153.54	17.35	15.98	9.82	0.	0.	0.	0.		340.42	340.42
89	90.19	64.76	0.	154.94	163.46	19.26	17.85	10.78	0.	0.	0.	0.		366.26	366.26
90	95.76	70.10	0.	165.86	172.99	21.22	19.78	11.92	0.	0.	0.	0.		391.79	391.79
91	101.65	75.41	0.	177.06	182.15	23.24	21.79	13.11	0.	0.	0.	0.		417.35	417.35
92	107.62	80.54	0.	188.16	190.94	25.30	23.84	14.32	0.	0.	0.	0.		442.56	442.56
93	113.67	85.50	0.	199.17	199.40	27.39	25.92	15.54	0.	0.	0.	0.		467.43	467.43
94	119.70	90.40	0.	210.11	207.55	29.52	28.03	16.78	0.	0.	0.	0.		491.98	491.98
95	125.82	95.15	0.	220.97	215.39	31.67	30.16	18.02	0.	0.	0.	0.		516.21	516.21
96	132.02	99.73	0.	231.75	222.95	33.84	32.30	19.28	0.	0.	0.	0.		540.12	540.12
97	138.31	104.17	0.	242.48	230.27	36.01	34.44	20.53	0.	0.	0.	0.		563.72	563.72
98	144.67	108.47	0.	253.13	237.34	38.18	36.58	21.79	0.	0.	0.	0.		587.01	587.01
99	151.11	112.63	0.	263.74	244.20	40.35	38.67	23.06	0.	0.	0.	0.		610.01	610.01
00	157.62	116.67	0.	274.29	250.89	42.48	40.84	24.32	0.	0.	0.	0.		632.82	632.82
01	159.92	123.05	0.	282.97	257.13	44.66	43.38	25.70	0.	0.	0.	0.		653.84	653.84
02	162.66	129.10	0.	291.77	262.98	46.87	46.04	27.09	0.	0.	0.	0.		674.75	674.75
03	165.37	135.09	0.	300.46	268.49	49.07	48.88	28.51	0.	0.	0.	0.		695.40	695.40
04	168.05	141.01	0.	309.06	273.72	51.28	51.82	29.93	0.	0.	0.	0.		715.80	715.80
05	170.70	147.00	0.	317.70	278.59	53.47	54.73	31.39	0.	0.	0.	0.		735.88	735.88
06	173.32	152.92	0.	326.24	283.12	55.66	57.78	32.87	0.	0.	0.	0.		755.66	755.66
07	175.91	158.78	0.	334.68	287.43	57.84	60.83	34.33	0.	0.	0.	0.		775.11	775.11
08	178.19	163.91	0.	342.10	291.56	59.99	63.99	35.78	0.	0.	0.	0.		793.42	793.42
09	180.43	168.94	0.	349.37	295.52	62.12	67.31	37.23	0.	0.	0.	0.		811.55	811.55
10	182.62	173.87	0.	356.49	299.32	64.23	70.80	38.68	0.	0.	0.	0.		829.52	829.52
11	184.92	178.52	0.	363.44	302.99	66.30	74.48	40.12	0.	0.	0.	0.		847.33	847.33
12	187.59	182.57	0.	370.15	306.61	68.32	78.47	41.51	0.	0.	0.	0.		865.06	865.06
13	190.21	186.53	0.	376.73	310.16	70.30	82.81	42.89	0.	0.	0.	0.		882.89	882.89
14	192.78	190.41	0.	383.19	313.66	72.23	87.49	44.25	0.	0.	0.	0.		900.81	900.81
15	195.30	194.22	0.	389.52	317.11	74.11	92.50	45.59	0.	0.	0.	0.		918.82	918.82

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16	197.78	197.95	0.	395.72	320.51	75.95	97.82	46.9.	0.	0.	0.	0.	0.	936.51	936.91
17	200.21	201.61	0.	401.81	323.86	77.74	103.37	48.21	0.	0.	0.	0.	0.	954.99	954.99
18	202.60	205.19	0.	407.79	327.18	78.49	109.09	49.48	0.	0.	0.	0.	0.	973.02	973.02
19	204.94	208.71	0.	413.65	330.45	81.19	114.72	50.74	0.	0.	0.	0.	0.	990.75	990.75
20	207.24	212.15	0.	419.40	333.69	82.85	120.25	51.98	0.	0.	0.	0.	0.	1008.16	1008.16
21	207.24	212.15	0.	419.40	336.70	84.39	124.81	53.01	0.	0.	0.	0.	0.	1018.30	1018.30
22	207.24	212.15	0.	419.40	339.49	85.81	129.05	53.97	0.	0.	0.	0.	0.	1027.72	1027.72
23	207.24	212.15	0.	419.40	342.07	87.13	132.99	54.86	0.	0.	0.	0.	0.	1036.45	1036.45
24	207.24	212.15	0.	419.40	344.46	88.34	136.64	55.68	0.	0.	0.	0.	0.	1044.62	1044.62
25	207.24	212.15	0.	419.40	346.65	89.46	140.02	56.45	0.	0.	0.	0.	0.	1051.99	1051.99
26	207.24	212.15	0.	419.40	348.68	90.50	143.16	57.16	0.	0.	0.	0.	0.	1058.87	1058.87
27	207.24	212.15	0.	419.40	350.48	91.45	146.06	57.82	0.	0.	0.	0.	0.	1065.21	1065.21
28	207.24	212.15	0.	419.40	352.14	92.33	148.75	58.42	0.	0.	0.	0.	0.	1071.03	1071.03
29	207.24	212.15	0.	419.40	353.62	93.13	151.24	58.98	0.	0.	0.	0.	0.	1076.38	1076.38
30	207.24	212.15	0.	419.40	354.95	93.88	153.55	59.49	0.	0.	0.	0.	0.	1081.27	1081.27
31	207.24	212.15	0.	419.40	356.19	94.55	155.52	59.95	0.	0.	0.	0.	0.	1085.60	1085.60
32	207.24	212.15	0.	419.40	357.34	95.15	157.28	60.36	0.	0.	0.	0.	0.	1089.52	1089.52
33	207.24	212.15	0.	419.40	358.40	95.69	158.84	60.74	0.	0.	0.	0.	0.	1093.06	1093.06
34	207.24	212.15	0.	419.40	359.38	96.17	160.22	61.07	0.	0.	0.	0.	0.	1096.22	1096.22
35	207.24	212.15	0.	419.40	360.28	96.59	161.48	61.36	0.	0.	0.	0.	0.	1099.11	1099.11
36	207.24	212.15	0.	419.40	361.11	96.97	162.59	61.61	0.	0.	0.	0.	0.	1101.67	1101.67
37	207.24	212.15	0.	419.40	361.86	97.30	163.54	61.83	0.	0.	0.	0.	0.	1103.94	1103.94
38	207.24	212.15	0.	419.40	362.55	97.60	164.39	62.03	0.	0.	0.	0.	0.	1105.97	1105.97
39	207.24	212.15	0.	419.40	363.18	97.85	165.12	62.20	0.	0.	0.	0.	0.	1107.75	1107.75
40	207.24	212.15	0.	419.40	363.76	98.07	165.73	62.34	0.	0.	0.	0.	0.	1109.29	1109.29
41	207.24	212.15	0.	419.40	364.27	98.26	166.24	62.46	0.	0.	0.	0.	0.	1110.62	1110.62
42	207.24	212.15	0.	419.40	364.72	98.42	166.67	62.56	0.	0.	0.	0.	0.	1111.77	1111.77
43	207.24	212.15	0.	419.40	365.09	98.56	167.02	62.64	0.	0.	0.	0.	0.	1112.71	1112.71
44	207.24	212.15	0.	419.40	365.41	98.67	167.29	62.71	0.	0.	0.	0.	0.	1113.47	1113.47
45	207.24	212.15	0.	419.40	365.66	98.76	167.49	62.75	0.	0.	0.	0.	0.	1114.06	1114.06
46	207.24	212.15	0.	419.40	365.86	98.83	167.62	62.79	0.	0.	0.	0.	0.	1114.49	1114.49
47	207.24	212.15	0.	419.40	366.00	98.88	167.68	62.81	0.	0.	0.	0.	0.	1114.77	1114.77
48	207.24	212.15	0.	419.40	366.10	98.91	167.69	62.82	0.	0.	0.	0.	0.	1114.90	1114.90
49	207.24	212.15	0.	419.40	366.14	98.92	167.69	62.82	0.	0.	0.	0.	0.	1114.97	1114.97
50	207.24	212.15	0.	419.40	366.14	98.92	167.69	62.82	0.00	0.	0.	0.	0.	1114.96	1114.97

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3018T 02 03-09-79 01.026

PAGE 1

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 4 , LWR AND 4021 - WITH RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO....4 D1 = 2051.0 , IBTOPW = 2051 , LFYUIR = 2051 \$\$
 DTA CALL NO.....2

00003040
 00003050
 00003060
 00003070

INPUT EDITS

CRD NO....1 \$\$

00003080.

NCCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	774.5	1125.4	325.4	0.	1677.05	1562.29	1041.29
2	1004.8	938.9	308.2	0.	1601.95	1347.29	1041.29
3	990.2	951.6	308.2	0.	1555.82	1358.53	1041.29
4	987.6	954.0	308.2	0.	1525.48	1359.73	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	58.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
A-350 96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	21.5	74.	12.9	294.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	15.7	753.	14.0	48.	0.	0.	14.0	48.	29.2	433.	26.2	99.	24.4	334.	0.	0.
02	1275.	17.0	753.	16.0	64.	0.	0.	16.0	64.	30.6	458.	27.9	104.	25.8	354.	0.	0.
03	1318.	17.8	755.	18.0	82.	0.	0.	18.0	82.	30.6	480.	29.8	109.	25.0	371.	0.	0.
04	1361.	18.7	760.	20.0	102.	0.	0.	20.0	102.	30.7	499.	31.5	115.	24.5	384.	0.	0.
05	1403.	19.6	758.	49.1	151.	0.2	0.	48.9	151.	0.	493.	32.9	122.	0.	371.	0.	0.
06	1445.	20.6	758.	51.4	202.	0.2	0.	51.2	202.	0.	486.	34.1	128.	0.	368.	0.	0.
07	1490.	25.6	759.	50.4	253.	0.2	1.	50.2	252.	0.	478.	34.2	133.	0.	345.	0.	0.
08	1536.	23.9	766.	46.8	300.	0.1	1.	46.6	299.	0.	470.	34.5	136.	0.	335.	0.	0.
09	1585.	28.9	778.	45.1	345.	0.	1.	45.3	344.	0.	462.	34.7	138.	0.	325.	0.	0.
10	1636.	30.0	791.	46.8	392.	0.1	0.	46.9	391.	0.	453.	34.9	138.	0.	315.	0.	0.
11	1688.	31.3	804.	48.7	440.	0.2	0.	48.7	440.	0.	443.	34.9	139.	0.	304.	0.	0.
12	1742.	32.5	819.	50.6	491.	0.1	0.	50.6	490.	0.	432.	34.5	139.	0.0	293.	0.	0.
13	1798.	33.8	834.	52.6	543.	0.1	0.	52.5	543.	0.	420.	34.1	138.	0.6	282.	0.	0.
14	1856.	35.2	850.	54.6	598.	0.	0.	54.8	598.	0.	407.	33.6	137.	1.3	270.	0.	0.
15	1915.	36.6	867.	56.8	655.	0.	0.	56.9	655.	0.	393.	33.0	135.	1.9	258.	0.	0.
16	1977.	38.1	885.	59.0	714.	0.	0.	59.1	714.	0.	378.	32.5	133.	2.0	245.	0.	0.
17	2041.	39.6	904.	61.3	775.	0.	0.	61.4	775.	0.	362.	31.6	131.	2.5	232.	0.	0.
18	2108.	41.2	923.	63.8	839.	0.	0.	63.8	839.	0.	345.	30.7	128.	2.9	217.	0.	0.
19	2177.	54.2	955.	66.4	895.	0.	0.	56.4	895.	0.	327.	29.7	124.	3.4	203.	0.	0.
20	2250.	56.4	988.	58.6	954.	0.	0.	58.6	954.	0.	308.	28.6	121.	3.8	188.	0.	0.
21	2203.	0.	961.	0.	954.	0.	0.	0.	954.	0.	288.	27.6	117.	4.0	172.	0.	0.
22	2164.	0.	932.	0.	954.	0.	0.	0.	954.	0.	268.	26.3	112.	4.4	156.	0.	0.
23	2102.	0.	902.	0.	954.	0.	0.	0.	954.	0.	247.	25.0	107.	4.7	139.	0.	0.

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24	2048.	0.	869.	0.	954.	0.	0.	0.	854.	0.	225.	23.6	102.	5.1	122.	0.	0.
25	1990.	0.	834.	0.	953.	0.	0.	0.	953.	0.	203.	22.2	97.	5.4	106.	0.	0.
26	1930.	0.	797.	0.	951.	0.	0.	0.	951.	0.	183.	20.7	91.	5.6	91.	0.	0.
27	1867.	0.	758.	0.	947.	0.	0.	0.	947.	0.	164.	19.2	86.	5.8	78.	0.	0.
28	1801.	0.	713.	0.	941.	0.	0.	0.	941.	0.	147.	17.7	80.	5.9	67.	0.	0.
29	1731.	0.	667.	0.	932.	0.	0.	0.	932.	0.	132.	16.3	74.	5.9	58.	0.	0.
30	1658.	0.	617.	0.	920.	0.	0.	0.	920.	0.	121.	15.0	68.	5.7	53.	0.	0.
31	1589.	0.	601.	0.	906.	0.	0.	0.	906.	0.	92.	13.8	63.	5.4	29.	0.	0.
32	1535.	0.	584.	0.	890.	0.	0.	0.	890.	0.	61.	12.7	58.	5.0	4.	0.	0.
33	1469.	0.	566.	0.	872.	0.	0.	0.	872.	0.	31.	-10.7	31.	5.6	0.	0.	0.
34	1400.	0.	548.	0.	852.	0.	0.	0.	852.	0.	0.	-15.7	0.	0.	0.	0.	0.
35	1331.	0.	528.	0.	803.	0.	0.	0.	803.	0.	0.	13.8	0.	0.	0.	0.	0.
36	1259.	0.	507.	0.	752.	0.	0.	0.	752.	0.	0.	12.7	0.	0.	0.	0.	0.
37	1183.	0.	482.	0.	701.	0.	0.	0.	701.	0.	0.	-10.7	0.	0.	0.	0.	0.
38	1112.	0.	458.	0.	654.	0.	0.	0.	654.	0.	0.	-15.7	0.	0.	0.	0.	0.
39	1038.	0.	429.	0.	609.	0.	0.	0.	609.	0.	0.	13.8	0.	0.	0.	0.	0.
40	961.	0.	399.	0.	562.	0.	0.	0.	562.	0.	0.	12.7	0.	0.	0.	0.	0.
41	881.	0.	368.	0.	514.	0.	0.	0.	514.	0.	0.	-10.7	0.	0.	0.	0.	0.
42	798.	0.	335.	0.	463.	0.	0.	0.	463.	0.	0.	-15.7	0.	0.	0.	0.	0.
43	712.	0.	301.	0.	411.	0.	0.	0.	411.	0.	0.	13.8	0.	0.	0.	0.	0.
44	622.	0.	266.	0.	356.	0.	0.	0.	356.	0.	0.	12.7	0.	0.	0.	0.	0.
45	529.	0.	230.	0.	299.	0.	0.	0.	299.	0.	0.	-10.7	0.	0.	0.	0.	0.
46	432.	0.	192.	0.	240.	0.	0.	0.	240.	0.	0.	-15.7	0.	0.	0.	0.	0.
47	331.	0.	152.	0.	179.	0.	0.	0.	179.	0.	0.	13.8	0.	0.	0.	0.	0.
48	226.	0.	111.	0.	115.	0.	0.	0.	115.	0.	0.	12.7	0.	0.	0.	0.	0.
49	115.	0.	56.	0.	59.	0.	0.	0.	59.	0.	0.	-10.7	0.	0.	0.	0.	0.
50	-0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	0.	-15.7	0.	0.	0.	0.	0.

***** ECONOMIC COST CASE *****

YR	CAPITAL INVESTMENTS															EXPENSES															TOTALS	
	*****															*****															*****	
	HTGR		FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS																		
	FOSSIL	LWR				FOSSIL	FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU	WITH	W*O																	
*****	*****	*****	*****	*****	FUEL	RECOVERY	FEED	SEP WK	SALES	PURCHASES	RECOVERY	SALES	PURCHASES	PU	PU	PU	PU															
					O&M	O&M					O&M																					
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	0.	0.	33.96	33.96															
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	0.	0.	63.59	63.59															
79	26.96	13.58	0.	40.54	44.86	3.87	2.30	1.31	0.	0.	0.	0.	0.	0.	0.	92.88	92.88															
80	34.26	18.11	0.	52.37	58.80	5.33	3.31	1.99	0.	0.	0.	0.	0.	0.	0.	121.79	121.79															
81	41.26	22.86	0.	64.13	72.24	6.88	4.37	2.73	0.	0.	0.	0.	0.	0.	0.	150.34	150.34															
82	48.00	27.80	0.	75.80	85.20	8.52	5.50	3.52	0.	0.	0.	0.	0.	0.	0.	178.54	178.54															
83	54.51	32.87	0.	87.38	97.69	10.24	6.70	4.38	0.	0.	0.	0.	0.	0.	0.	206.39	206.39															
84	60.82	38.06	0.	98.88	109.73	12.06	7.95	5.30	0.	0.	0.	0.	0.	0.	0.	233.91	233.91															
85	66.95	43.33	0.	110.28	121.31	13.96	9.26	6.28	0.	0.	0.	0.	0.	0.	0.	261.10	261.10															
86	72.94	48.66	0.	121.59	132.44	15.85	10.63	7.29	0.19	0.19	0.	0.	0.	0.	0.	287.92	287.92															
87	78.79	54.02	0.	132.81	143.14	18.07	11.81	8.23	0.39	0.39	0.	0.	0.	0.	0.	314.06	314.06															
88	84.53	59.39	0.	143.93	153.41	20.31	12.99	9.15	0.59	0.59	0.	0.	0.	0.	0.	339.80	339.80															
89	90.19	64.76	0.	154.94	163.28	22.68	14.18	10.07	0.79	0.79	0.	0.	0.	0.	0.	365.15	365.15															
90	95.76	70.10	0.	165.86	172.77	25.15	15.38	10.98	0.99	0.99	0.	0.	0.	0.	0.	390.14	390.14															
91	101.65	75.41	0.	177.06	181.89	27.68	16.78	11.98	1.27	1.27	0.	0.	0.	0.	0.	415.39	415.39															
92	107.62	80.54	0.	188.16	190.61	30.29	18.12	12.96	1.57	1.57	0.	0.	0.	0.	0.	440.14	440.14															
93	113.67	85.50	0.	199.17	198.98	32.95	19.46	13.93	1.87	1.87	0.	0.	0.	0.	0.	464.49	464.49															
94	119.70	90.40	0.	210.11	207.01	35.67	20.80	14.89	2.17	2.17	0.	0.	0.	0.	0.	488.48	488.48															
95	125.82	95.15	0.	220.97	214.71	38.44	22.13	15.86	2.48	2.48	0.	0.	0.	0.	0.	512.10	512.10															
96	132.02	99.73	0.	231.75	222.11	41.22	23.51	16.85	2.81	2.81	0.	0.	0.	0.	0.	535.44	535.44															
97	138.31	104.17	0.	242.48	229.24	44.02	24.85	17.83	3.16	3.16	0.	0.	0.	0.	0.	558.41	558.41															
98	144.67	108.47	0.	253.13	236.11	46.82	26.15	18.81	3.50	3.50	0.	0.	0.	0.	0.	581.02	581.02															
99	151.11	112.63	0.	263.74	242.73	49.60	27.43	19.79	3.84	3.84	0.	0.	0.	0.	0.	603.29	603.29															
00	157.62	118.67	0.	274.29	249.16	52.36	28.67	20.76	4.17	4.17	0.	0.	0.	0.	0.	625.24	625.24															
01	159.57	123.47	0.	283.04	255.12	55.17	30.24	21.89	4.51	4.51	0.	0.	0.	0.	0.	645.46	645.46															
02	161.55	130.44	0.	291.99	260.63	58.02	31.88	23.06	4.85	4.85	0.	0.	0.	0.	0.	665.58	665.58															
03	163.51	137.32	0.	300.84	265.73	60.90	33.54	24.27	5.19	5.19	0.	0.	0.	0.	0.	685.29	685.29															
04	165.45	144.13	0.	309.58	270.49	63.79	35.30	25.50	5.56	5.56	0.	0.	0.	0.	0.	704.66	704.66															
05	167.37	151.04	0.	318.41	274.84	66.67	37.05	26.82	5.93	5.93	0.	0.	0.	0.	0.	723.79	723.79															
06	169.26	157.87	0.	327.14	278.79	69.54	38.91	28.17	6.30	6.30	0.	0.	0.	0.	0.	742.56	742.56															
07	171.49	164.19	0.	335.68	282.52	72.37	40.75	29.50	6.68	6.68	0.	0.	0.	0.	0.	760.82	760.82															
08	173.45	169.72	0.	343.17	286.06	75.16	42.66	30.83	7.04	7.04	0.	0.	0.	0.	0.	777.88	777.88															
09	175.69	174.75	0.	350.44	289.46	77.88	44.62	32.14	7.41	7.41	0.	0.	0.	0.	0.	794.55	794.55															
10	177.89	179.68	0.	357.57	292.73	80.54	46.66	33.48	7.77	7.78	0.	0.	0.	0.	0.	810.96	810.96															
11	180.04	184.51	0.	364.56	295.88	83.14	48.78	34.78	8.13	8.13	0.	0.	0.	0.	0.	827.14	827.14															
12	182.16	189.25	0.	371.41	298.91	85.67	50.99	36.10	8.48	8.48	0.	0.	0.	0.	0.	843.09	843.08															
13	184.23	193.90	0.	378.13	301.84	88.14	53.32	37.42	8.82	8.82	0.	0.	0.	0.	0.	858.86	858.85															
14	186.27	198.45	0.	384.72	304.67	90.54	55.80	38.74	9.15	9.16	0.	0.	0.	0.	0.	874.48	874.47															
15	188.27	202.92	0.	391.19	307.40	92.88	58.43	40.06	9.49	9.50	0.	0.	0.	0.	0.	889.97	889.96															

	11	20		53	1.05	5.1	61	41		33	0.	0.				
17	192.16	211.59	0.	403.75	312.61	97.37	64.55	42.71	10.16	10.17	0.	0.	0.	905.38	905.38	
18	194.05	215.80	0.	409.85	315.10	99.52	68.22	44.03	10.51	10.52	0.	0.	0.	921.00	920.99	
19	196.40	219.32	0.	415.71	317.59	101.59	72.17	45.31	10.87	10.88	0.	0.	0.	936.74	936.72	
20	198.70	222.76	0.	421.46	320.08	103.60	76.47	46.58	11.23	11.25	0.	0.	0.	952.40	952.38	
21	198.70	222.76	0.	421.46	322.37	105.45	80.23	47.63	11.59	11.61	0.	0.	0.	968.20	968.19	
22	198.70	222.76	0.	421.46	324.49	107.17	83.98	48.61	11.94	11.96	0.	0.	0.	977.17	977.15	
23	198.70	222.76	0.	421.46	326.44	108.75	87.63	49.54	12.27	12.29	0.	0.	0.	985.73	985.71	
24	198.70	222.76	0.	421.46	328.22	110.20	91.06	50.40	12.56	12.58	0.	0.	0.	993.83	993.81	
25	198.70	222.76	0.	421.46	329.85	111.55	94.29	51.20	12.82	12.84	0.	0.	0.	1001.36	1001.34	
26	198.70	222.76	0.	421.46	331.32	112.78	97.27	51.94	13.05	13.07	0.	0.	0.	1008.36	1008.34	
27	198.70	222.76	0.	421.46	332.65	113.91	100.10	52.63	13.26	13.28	0.	0.	0.	1014.80	1014.78	
28	198.70	222.76	0.	421.46	333.84	114.96	102.75	53.28	13.43	13.45	0.	0.	0.	1020.78	1020.76	
29	198.70	222.76	0.	421.46	334.88	115.91	105.25	53.88	13.59	13.61	0.	0.	0.	1026.30	1026.29	
30	198.70	222.76	0.	421.46	335.80	116.79	107.59	54.43	13.73	13.74	0.	0.	0.	1031.40	1031.38	
31	198.70	222.76	0.	421.46	336.66	117.58	109.56	54.92	13.84	13.86	0.	0.	0.	1036.09	1036.07	
32	198.70	222.76	0.	421.46	337.46	118.29	111.33	55.36	13.94	13.96	0.	0.	0.	1040.20	1040.18	
33	198.70	222.76	0.	421.46	338.21	118.90	112.92	55.76	14.19	14.21	0.	0.	0.	1043.92	1043.90	
34	198.70	222.76	0.	421.46	338.90	119.43	114.32	56.12	14.62	14.64	0.	0.	0.	1047.27	1047.26	
35	198.70	222.76	0.	421.46	339.56	119.90	115.64	56.44	14.98	15.00	0.	0.	0.	1050.27	1050.25	
36	198.70	222.76	0.	421.46	340.16	120.32	116.80	56.72	15.27	15.29	0.	0.	0.	1053.03	1053.01	
37	198.70	222.76	0.	421.46	340.72	120.69	117.81	56.97	15.59	15.61	0.	0.	0.	1055.48	1055.46	
38	198.70	222.76	0.	421.46	341.22	121.01	118.71	57.18	15.94	15.96	0.	0.	0.	1057.66	1057.64	
39	198.70	222.76	0.	421.46	341.68	121.29	119.49	57.37	16.23	16.25	0.	0.	0.	1059.60	1059.58	
40	198.70	222.76	0.	421.46	342.08	121.54	120.16	57.53	16.46	16.48	0.	0.	0.	1061.31	1061.30	
A-353	41	198.70	222.76	0.	421.46	342.44	121.75	120.73	57.67	16.72	16.74	0.	0.	0.	1062.80	1062.78
42	198.70	222.76	0.	421.46	342.76	121.93	121.19	57.78	17.00	17.02	0.	0.	0.	1064.07	1064.05	
43	198.70	222.76	0.	421.46	343.03	122.08	121.56	57.87	17.23	17.25	0.	0.	0.	1065.15	1065.13	
44	198.70	222.76	0.	421.46	343.26	122.21	121.84	57.94	17.42	17.44	0.	0.	0.	1066.03	1066.01	
45	198.70	222.76	0.	421.46	343.46	122.31	122.03	57.99	17.62	17.64	0.	0.	0.	1066.73	1066.71	
46	198.70	222.76	0.	421.46	343.61	122.38	122.14	58.03	17.85	17.87	0.	0.	0.	1067.27	1067.25	
47	198.70	222.76	0.	421.46	343.74	122.43	122.18	58.05	18.03	18.05	0.	0.	0.	1067.65	1067.63	
48	198.70	222.76	0.	421.46	343.83	122.46	122.18	58.05	18.18	18.20	0.	0.	0.	1067.88	1067.87	
49	198.70	222.76	0.	421.46	343.88	122.48	122.18	58.05	18.35	18.36	0.	0.	0.	1068.01	1067.99	
50	198.70	222.76	0.	421.46	343.88	122.48	122.18	58.05	18.52	18.54	0.	0.	0.	1068.07	1068.05	

3018T 02 03-09-79 01.072

DTA CALL NO.....1 INPUT EDITS

CRD NO....1 (CASE # 5 , LWR , 4021 , PB AND NB - WITH RECYCLE)\$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 GCRLIM(1) = 1.14,2.29,4.57,6.86,10.29,13.71,16.,18.29,20.57,22.86 \$
 CRD NO....4 18TOPW = 2016 \$
 CRD NO....5 D1 = 2051.0 , LFYUIR = 2010 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003100
 00003110
 00003120
 00003130
 00003140

CRD NO....1 \$\$

00003150

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP. WK.
1	795.3	761.5	720.5	0.	1751.98	1611.96	1041.29
2	1094.5	648.1	550.8	0.	1657.03	1406.52	1041.29
3	1037.4	654.8	600.3	0.	1608.10	1437.60	1041.29
4	1018.8	654.8	618.9	0.	1575.48	1437.60	1041.29
5	1018.8	654.8	618.9	0.	1553.73	1437.60	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.8	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	18.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	58.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
A-355 96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	21.5	74.	12.9	294.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	15.7	753.	14.0	48.	0.	0.	14.0	48.	29.2	433.	26.2	99.	24.4	334.	0.	0.
02	1275.	17.0	753.	16.0	64.	0.	0.	16.0	64.	30.6	458.	27.9	104.	25.8	354.	0.	0.
03	1318.	17.8	755.	18.0	82.	0.	0.	18.0	82.	30.6	480.	29.8	109.	26.0	371.	0.	0.
04	1361.	18.7	760.	20.0	102.	0.	0.	20.0	102.	30.7	499.	31.5	115.	24.5	384.	0.	0.
05	1403.	19.6	758.	49.1	151.	0.2	0.	48.9	151.	0.	493.	32.9	122.	0.	371.	0.	0.
06	1445.	20.6	758.	51.4	202.	0.2	0.	51.2	202.	0.	486.	34.1	128.	0.	358.	0.	0.
07	1490.	25.6	759.	50.4	253.	0.2	1.	50.2	252.	0.	478.	34.2	133.	0.	345.	0.	0.
08	1536.	23.9	766.	46.8	300.	0.1	1.	46.6	299.	0.	470.	34.5	136.	0.	335.	0.	0.
09	1585.	28.9	778.	45.1	345.	0.	1.	45.3	344.	0.	462.	34.7	138.	0.	325.	0.	0.
10	1636.	30.0	791.	46.8	392.	0.1	0.	46.9	391.	0.	453.	34.9	138.	0.	315.	0.	0.
11	1688.	31.3	804.	48.7	440.	0.2	0.	48.7	440.	0.	443.	34.9	139.	0.	304.	0.	0.
12	1742.	32.5	819.	50.6	491.	0.1	0.	50.6	490.	0.	432.	34.5	139.	0.0	293.	0.	0.
13	1798.	33.8	834.	52.8	543.	0.1	0.	52.5	543.	0.	420.	34.1	138.	0.6	282.	0.	0.
14	1856.	35.2	850.	54.6	598.	0.	0.	54.8	598.	0.	407.	33.6	137.	1.3	270.	0.	0.
15	1915.	36.6	867.	56.8	655.	0.	0.	56.9	655.	0.	393.	33.0	135.	1.9	258.	0.	0.
16	1986.	48.1	895.	0.	655.	0.	0.	0.1	655.	57.5	436.	32.5	133.	59.5	303.	0.	0.
17	2059.	50.0	924.	0.	655.	0.	0.	0.1	855.	59.7	479.	31.6	131.	62.2	349.	0.	0.
18	2134.	52.1	955.	0.	655.	0.	0.	0.	855.	62.0	524.	33.7	131.	61.9	394.	0.	0.
19	2212.	54.2	986.	0.	655.	0.	0.	0.	655.	64.8	571.	36.0	134.	61.6	437.	0.	0.
20	2292.	56.4	1019.	0.	655.	0.	0.	0.	655.	67.0	619.	38.1	139.	61.4	480.	0.	0.
21	2246.	0.	992.	0.	655.	0.	0.	0.	655.	0.	599.	40.2	148.	0.	451.	0.	0.
22	2197.	0.	964.	0.	655.	0.	0.	0.	655.	0.	578.	42.0	156.	0.	422.	0.	0.
23	2145.	0.	933.	0.	655.	0.	0.	0.	655.	0.	557.	41.6	162.	0.	396.	0.	0.

24	2091.	0.	900.	0.	655.	0.	0.	0.	655.	0.	535.	41.2	165.	0.	371.	0.	0.
25	2033.	0.	865.	0.	654.	0.	0.	0.	654.	0.	514.	40.8	166.	0.	349.	0.	0.
26	1973.	0.	828.	0.	652.	0.	0.	0.	652.	0.	493.	40.5	164.	1.5	329.	0.	0.
27	1910.	0.	788.	0.	648.	0.	0.	0.	648.	0.	474.	40.3	163.	1.3	312.	0.	0.
28	1843.	0.	744.	0.	642.	0.	0.	0.	642.	0.	457.	39.0	161.	2.1	297.	0.	0.
29	1774.	0.	698.	0.	633.	0.	0.	0.	633.	0.	443.	37.9	158.	3.0	285.	0.	0.
30	1701.	0.	648.	0.	621.	0.	0.	0.	621.	0.	432.	36.9	154.	3.6	278.	0.	0.
31	1642.	0.	632.	0.	607.	0.	0.	0.	607.	0.	403.	36.1	150.	4.1	253.	0.	0.
32	1578.	0.	615.	0.	591.	0.	0.	0.	591.	0.	372.	35.6	146.	3.4	226.	0.	0.
33	1512.	0.	597.	0.	573.	0.	0.	0.	573.	0.	341.	33.6	142.	4.3	199.	0.	0.
34	1442.	0.	579.	0.	553.	0.	0.	0.	553.	0.	311.	31.6	137.	5.3	174.	0.	0.
35	1374.	0.	559.	0.	504.	0.	0.	0.	504.	0.	311.	29.6	130.	6.6	180.	0.	0.
36	1302.	0.	539.	0.	452.	0.	0.	0.	452.	0.	311.	27.9	123.	7.7	188.	0.	0.
37	1226.	0.	513.	0.	402.	0.	0.	0.	402.	0.	311.	28.0	117.	5.7	194.	0.	0.
38	1155.	0.	489.	0.	355.	0.	0.	0.	355.	0.	311.	27.4	113.	4.2	198.	0.	0.
39	1081.	0.	460.	0.	310.	0.	0.	0.	310.	0.	311.	26.6	110.	3.0	201.	0.	0.
40	1004.	0.	430.	0.	263.	0.	0.	0.	263.	0.	311.	25.8	108.	2.0	203.	0.	0.
41	924.	0.	399.	0.	215.	0.	0.	0.	215.	0.	311.	25.1	105.	2.8	206.	0.	0.
42	841.	0.	366.	0.	164.	0.	0.	0.	164.	0.	311.	25.3	103.	2.1	208.	0.	0.
43	765.	0.	333.	0.	111.	0.	0.	0.	111.	0.	311.	25.1	101.	1.5	209.	0.	0.
44	665.	0.	297.	0.	57.	0.	0.	0.	57.	0.	311.	24.8	100.	1.0	210.	0.	0.
45	572.	0.	261.	0.	-0.	0.	-0.	0.	0.	0.	311.	24.5	100.	0.6	211.	0.	0.
46	466.	0.	213.	0.	-0.	0.	-0.	0.	0.	0.	253.	24.2	99.	1.1	155.	0.	0.
47	356.	0.	163.	0.	-0.	0.	-0.	0.	0.	0.	194.	24.3	98.	0.8	96.	0.	0.
48	242.	0.	111.	0.	-0.	0.	-0.	0.	0.	0.	132.	21.2	94.	3.6	37.	0.	0.
49	123.	0.	56.	0.	-0.	0.	-0.	0.	0.	0.	67.	-2.7	67.	6.6	0.	0.	0.
50	-0.	0.	0.	0.	-0.	0.	-0.	0.	0.	0.	-0.	-42.8	-0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

ECONOMIC COST CASE																
YR	CAPITAL INVESTMENTS				EXPENSES											
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS		
		LWR				FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU				
					FUEL	RECOVERY	FEED	SEP WK	SALES	PURCHASES	RECOVERY	SALES	PURCHASES	WITH	W+O	
					O&M	O&M					O&M			PU	PU	
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	33.96	33.96	
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	63.59	63.59	
79	26.96	13.58	0.	40.54	44.86	3.87	2.30	1.31	0.	0.	0.	0.	0.	92.88	92.88	
80	34.26	18.11	0.	52.37	58.80	5.33	3.31	1.99	0.	0.	0.	0.	0.	121.79	121.79	
81	41.26	22.86	0.	64.13	72.24	6.88	4.37	2.73	0.	0.	0.	0.	0.	150.34	150.34	
82	48.00	27.80	0.	75.80	85.20	8.52	5.50	3.52	0.	0.	0.	0.	0.	178.54	178.54	
83	54.51	32.87	0.	87.38	97.69	10.24	6.70	4.38	0.	0.	0.	0.	0.	206.39	206.39	
84	60.82	38.06	0.	98.88	109.73	12.06	7.95	5.30	0.	0.	0.	0.	0.	233.91	233.91	
85	66.95	43.33	0.	110.28	121.31	13.96	9.28	6.28	0.	0.	0.	0.	0.	261.10	261.10	
86	72.94	48.66	0.	121.59	132.44	15.95	10.83	7.29	0.19	0.19	0.	0.	0.	287.92	287.92	
87	78.79	54.02	0.	132.81	143.14	18.07	11.81	8.23	0.39	0.39	0.	0.	0.	314.06	314.06	
88	84.53	59.39	0.	143.93	153.41	20.31	12.99	9.15	0.59	0.59	0.	0.	0.	339.80	339.80	
89	90.19	64.76	0.	154.94	163.28	22.68	14.18	10.07	0.79	0.79	0.	0.	0.	365.15	365.15	
90	95.76	70.10	0.	165.86	172.77	25.15	15.38	10.98	0.99	0.99	0.	0.	0.	390.14	390.14	
91	101.65	75.41	0.	177.06	181.89	27.68	16.78	11.98	1.27	1.27	0.	0.	0.	415.39	415.39	
92	107.62	80.54	0.	188.16	190.61	30.29	18.12	12.96	1.57	1.57	0.	0.	0.	440.14	440.14	
93	113.67	85.50	0.	199.17	198.98	32.95	19.46	13.93	1.87	1.87	0.	0.	0.	464.49	464.49	
94	119.70	90.40	0.	210.11	207.01	35.67	20.80	14.89	2.17	2.17	0.	0.	0.	488.48	488.48	
95	125.82	95.15	0.	220.97	214.71	38.44	22.13	15.86	2.48	2.48	0.	0.	0.	512.10	512.10	
96	132.02	99.73	0.	231.75	222.11	41.22	23.51	16.85	2.81	2.81	0.	0.	0.	535.44	535.44	
97	138.31	104.17	0.	242.48	229.24	44.02	24.85	17.83	3.16	3.16	0.	0.	0.	558.41	558.41	
98	144.67	108.47	0.	253.13	236.11	46.82	26.15	18.81	3.50	3.50	0.	0.	0.	581.02	581.02	
99	151.11	112.63	0.	263.74	242.73	49.60	27.43	19.79	3.84	3.84	0.	0.	0.	603.29	603.29	
00	157.62	116.67	0.	274.29	249.16	52.36	28.67	20.76	4.17	4.17	0.	0.	0.	625.24	625.24	
01	159.57	123.47	0.	283.04	255.12	55.17	30.24	21.89	4.51	4.51	0.	0.	0.	645.46	645.46	
02	161.55	130.44	0.	291.99	260.63	58.02	31.88	23.06	4.85	4.85	0.	0.	0.	665.58	665.58	
03	163.51	137.32	0.	300.84	265.73	60.90	33.54	24.27	5.19	5.19	0.	0.	0.	685.29	685.29	
04	165.45	144.13	0.	309.58	270.49	63.79	35.30	25.50	5.56	5.56	0.	0.	0.	704.66	704.66	
05	167.37	151.04	0.	318.41	274.84	66.67	37.05	26.82	5.93	5.93	0.	0.	0.	723.79	723.79	
06	169.26	157.87	0.	327.14	278.79	69.54	38.91	28.17	6.30	6.30	0.	0.	0.	742.55	742.55	
07	171.49	164.19	0.	335.68	282.52	72.37	40.75	29.50	6.68	6.68	0.	0.	0.	760.82	760.82	
08	173.45	169.72	0.	343.17	286.06	75.16	42.65	30.83	7.04	7.04	0.	0.	0.	777.87	777.87	
09	175.69	174.75	0.	350.44	289.46	77.88	44.61	32.14	7.41	7.41	0.	0.	0.	794.53	794.53	
10	177.89	179.68	0.	357.57	292.73	80.54	46.65	33.46	7.77	7.78	0.	0.	0.	810.95	810.94	
11	180.04	184.51	0.	364.56	295.88	83.14	48.76	34.78	8.13	8.13	0.	0.	0.	827.12	827.11	
12	182.16	189.25	0.	371.41	298.91	85.67	50.96	36.10	8.48	8.48	0.	0.	0.	843.06	843.05	
13	184.23	193.90	0.	378.13	301.84	88.14	53.28	37.42	8.82	8.82	0.	0.	0.	858.81	858.81	
14	186.27	198.45	0.	384.72	304.67	90.54	55.74	38.74	9.15	9.16	0.	0.	0.	874.42	874.41	
15	188.27	202.92	0.	391.19	307.40	92.88	58.36	40.06	9.49	9.50	0.	0.	0.	889.90	889.88	

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															905.20	905.25
															920.95	920.93
															936.84	936.83
															952.92	952.90
															969.16	969.14
															978.28	978.26
															986.95	986.93
															995.05	995.03
															1002.54	1002.52
															1009.46	1009.44
															1015.83	1015.81
															1021.72	1021.70
															1027.16	1027.14
															1032.18	1032.16
															1036.80	1036.78
															1040.85	1040.83
															1044.49	1044.47
															1047.80	1047.78
															1050.77	1050.75
															1053.48	1053.46
															1055.91	1055.89
															1058.05	1058.03
															1059.95	1059.93
															1061.62	1061.60
															1063.07	1063.05
															1064.31	1064.29
															1065.36	1065.34
															1066.21	1066.19
															1066.89	1066.87
															1067.40	1067.38
															1067.73	1067.71
															1067.97	1067.95
															1068.12	1068.10
															1068.20	1068.18
															1068.20	1068.18

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 6 , LWR , 4021 , PB AND PBTBR - WITH RECYCLE) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 PURCIN = 1.0 , PURCDC = 1.0 \$
 CRD NO....4 GCRLIM(1) = 1.14, 2.29, 4.57, 6.86, 10.29, 13.71, 16., 18.29, 20.57, 22.86 \$
 CRD NO....5 FBRLIM(1) = 1.14, 2.29, 4.57, 6.86, 10.29, 13.71, 16., 18.29, 20.57, 22.86 \$
 CRD NO....6 IBTOPW = 2010 \$
 CRD NO....7 D1 = 2010.0 , LFYUIR = 2010 \$\$
 DTA CALL NO.....2 INPUT EDITS

00003170
 00003180
 00003190
 00003200
 00003210
 00003220
 00003230

CRD NO....1 \$\$

00003240

NCOUNT	FOSSIL	LWR	OCR	FBR	U308	PU	SEP.WK.
1	800.7	380.8	1142.3	0.4	1795.23	1643.16	1041.29
2	1328.4	338.0	557.6	1.6	1615.75	1879.65	1041.29
3	1111.8	341.4	767.3	1.6	1547.88	1787.65	1041.29
4	1101.2	344.7	774.1	1.6	1502.89	1769.48	1041.29
5	1082.9	344.7	792.5	1.6	1479.00	1753.07	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	18.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
96	986.	37.5	633.	2.0	3.	0.	0.	2.0	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.	0.	4.0	7.	18.9	368.	21.5	74.	12.9	294.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.	0.	6.0	13.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	718.	9.0	22.	0.	0.	9.0	22.	14.2	398.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	753.	12.0	34.	0.	0.	12.0	34.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1234.	15.7	753.	14.0	48.	0.	0.	14.0	48.	29.2	433.	26.2	99.	24.4	334.	0.	0.
02	1275.	17.0	753.	16.0	64.	0.	0.	16.0	64.	30.6	458.	27.9	104.	25.8	354.	0.	0.
03	1318.	17.8	755.	18.0	82.	0.	0.	18.0	82.	30.6	480.	29.8	109.	25.0	371.	0.	0.
04	1361.	18.7	760.	20.0	102.	0.	0.	20.0	102.	30.7	499.	31.5	115.	24.5	384.	0.	0.
05	1403.	19.6	758.	49.1	151.	0.0	0.	49.1	151.	0.	493.	32.9	122.	0.	371.	0.	0.
06	1445.	20.6	756.	51.4	202.	0.0	0.	51.4	202.	0.	486.	34.1	128.	0.	358.	0.	0.
07	1490.	25.6	759.	50.4	253.	0.0	0.	50.4	253.	0.	478.	34.2	133.	0.	345.	0.	0.
08	1536.	23.9	766.	46.8	300.	0.0	0.	46.8	300.	0.	470.	34.5	136.	0.	335.	0.	0.
09	1585.	28.9	778.	45.1	345.	0.	0.	45.1	345.	0.	462.	34.7	138.	0.	325.	0.	0.
10	1641.	30.0	791.	0.	345.	0.	0.	0.0	345.	52.4	506.	34.9	138.	51.6	367.	0.1	0.
11	1698.	31.3	804.	0.	345.	0.	0.	0.0	345.	53.3	549.	34.9	139.	52.6	410.	0.1	0.
12	1755.	32.5	819.	0.	345.	0.	0.	0.0	345.	53.2	591.	37.3	142.	50.4	449.	0.1	0.
13	1812.	33.8	834.	0.	345.	0.	0.	0.	345.	53.2	632.	39.6	147.	48.1	485.	0.1	1.
14	1867.	35.2	850.	0.	345.	0.	0.	0.	345.	52.1	672.	42.0	154.	45.1	518.	0.0	1.
15	1922.	36.6	867.	0.	345.	0.	0.	0.	345.	51.2	709.	44.0	163.	42.1	546.	0.2	1.
16	1976.	58.1	905.	0.	345.	0.	0.	0.	345.	31.5	725.	45.8	171.	23.0	554.	0.2	1.
17	2031.	58.9	943.	0.	345.	0.	0.	0.	345.	32.6	742.	48.5	180.	23.8	562.	0.2	1.
18	2086.	59.8	981.	0.	345.	0.	0.	0.	345.	33.7	758.	50.2	188.	25.5	570.	0.2	1.
19	2141.	60.9	1019.	0.	345.	0.	0.	0.	345.	34.9	775.	51.7	196.	27.2	579.	0.1	2.
20	2222.	67.2	1083.	0.	345.	0.	0.	0.	345.	36.1	793.	53.2	204.	28.7	589.	0.1	2.
21	2175.	0.	1056.	0.	345.	0.0	0.	0.	345.	0.	773.	54.6	210.	0.	563.	0.	2.
22	2126.	0.	1028.	0.	345.	0.0	0.	0.	345.	0.	752.	56.5	216.	0.	536.	0.	2.
23	14.	0.	997.	0.	345.	0.0	0.	0.	345.	0.	731.	58.0	220.	0.	511.	0.	2.

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24	2020.	0.	964.	0.	345.	0.0	0.	0.	345.	0.	709.	55.3	222.	0.	487.	0.	2.
25	1962.	0.	929.	0.	344.	0.0	0.	0.0	344.	0.	688.	54.8	223.	0.	465.	0.	2.
26	1902.	0.	892.	0.	342.	0.0	0.	0.	342.	0.	667.	54.2	220.	2.4	447.	0.	2.
27	1839.	0.	852.	0.	338.	0.0	0.	0.	338.	0.	648.	54.0	218.	2.0	430.	0.	2.
28	1773.	0.	808.	0.	332.	0.0	0.	0.	332.	0.	631.	52.7	216.	2.6	415.	0.	2.
29	1703.	0.	762.	0.	323.	0.0	0.	0.	323.	0.	617.	51.5	212.	3.3	404.	0.	2.
30	1630.	0.	712.	0.	311.	0.0	0.	0.0	311.	0.	608.	50.4	209.	3.8	397.	0.	2.
31	1571.	0.	696.	0.	297.	0.0	0.	0.	297.	0.	576.	49.5	204.	4.5	372.	0.	2.
32	1507.	0.	679.	0.	281.	0.0	0.	0.	281.	0.	546.	49.0	200.	3.7	345.	0.	2.
33	1441.	0.	662.	0.	263.	0.0	0.	0.	263.	0.	515.	47.1	198.	4.4	319.	0.	2.
34	1372.	0.	643.	0.	243.	0.0	0.	0.	243.	0.	484.	45.0	191.	5.4	294.	0.	2.
35	1303.	0.	623.	0.	194.	0.0	0.	0.0	194.	0.	484.	43.0	184.	6.5	300.	0.	2.
36	1231.	0.	603.	0.	142.	0.0	0.	0.0	142.	0.	484.	41.2	176.	7.8	308.	0.	2.
37	1155.	0.	577.	0.	92.	0.0	0.	0.0	92.	0.	484.	41.3	170.	5.8	314.	0.	2.
38	1084.	0.	553.	0.	45.	0.0	0.	0.0	45.	0.	484.	40.7	168.	4.3	318.	0.	2.
39	1010.	0.	524.	0.	0.	0.	0.	0.	0.	0.	484.	39.9	163.	3.1	321.	0.	2.
40	928.	0.	494.	0.	0.	0.	0.	0.	0.	0.	432.	39.2	161.	2.0	271.	0.	1.
41	843.	0.	463.	0.	0.	0.	0.	0.	0.	0.	379.	38.4	158.	2.9	220.	0.	1.
42	757.	0.	431.	0.	0.	0.0	0.	0.	0.	0.	325.	35.7	153.	5.0	172.	0.	1.
43	670.	0.	397.	0.	0.	0.	0.	0.	0.	0.	272.	32.7	146.	7.2	126.	0.	1.
44	583.	0.	362.	0.	0.	0.	0.	0.	0.	0.	220.	29.7	137.	9.4	83.	0.	1.
45	495.	0.	325.	0.	0.	0.	0.	0.	0.	0.	169.	26.9	125.	11.5	44.	0.	1.
46	405.	0.	287.	0.	0.	0.0	0.	0.	0.	0.	137.	24.2	114.	11.6	24.	0.	1.
47	313.	0.	208.	0.	0.	0.	0.	0.	0.	0.	105.	20.7	102.	12.0	3.	0.	0.
48	219.	0.	148.	0.	0.	0.	0.	0.	0.	0.	71.	-0.7	71.	11.7	0.	0.	0.
49	123.	0.	87.	0.	0.	0.	0.	0.	0.	0.	36.	-8.0	36.	0.	0.	0.	0.
50	-0.	0.	-0.	0.	0.	0.0	0.	0.	0.	0.	-0.	-11.9	-0.	0.	0.	0.	0.

ECONOMIC COST CASE																		
YR	CAPITAL INVESTMENTS				EXPENSES												TOTALS	
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR				FBR				WITH PU	W/O PU			
						FABRICATION RECOVERY		URANIUM		PU SALES	PU PURCHASES	FABRICATION RECOVERY				PU SALES	PU PURCHASES	
						FUEL O&M	O&M	FEED	SEP WK			O&M						
77	11.45	5.18	0.	16.63	15.47	1.21	0.48	0.18	0.	0.	0.	0.	0.	0.	33.96	33.96		
78	19.44	9.17	0.	28.61	30.42	2.50	1.35	0.71	0.	0.	0.	0.	0.	0.	63.59	63.59		
79	26.96	13.58	0.	40.54	44.86	3.87	2.30	1.31	0.	0.	0.	0.	0.	0.	92.88	92.88		
80	34.26	18.11	0.	52.37	58.80	5.33	3.31	1.99	0.	0.	0.	0.	0.	0.	121.79	121.79		
81	41.26	22.86	0.	64.13	72.24	6.88	4.37	2.73	0.	0.	0.	0.	0.	0.	150.34	150.34		
82	48.00	27.80	0.	75.80	85.20	8.52	5.50	3.52	0.	0.	0.	0.	0.	0.	178.54	178.54		
83	54.51	32.87	0.	87.38	97.69	10.24	6.70	4.38	0.	0.	0.	0.	0.	0.	206.39	206.39		
84	60.82	38.06	0.	98.88	109.73	12.06	7.95	5.30	0.	0.	0.	0.	0.	0.	233.91	233.91		
85	66.95	43.33	0.	110.28	121.31	13.96	9.28	6.28	0.	0.	0.	0.	0.	0.	261.10	261.10		
86	72.94	48.66	0.	121.59	132.44	15.95	10.63	7.29	0.19	0.19	0.	0.	0.	0.	287.92	287.92		
87	78.79	54.02	0.	132.81	143.14	18.07	11.81	8.23	0.39	0.39	0.	0.	0.	0.	314.06	314.06		
88	84.53	59.39	0.	143.93	153.41	20.31	12.99	9.15	0.59	0.59	0.	0.	0.	0.	339.80	339.80		
89	90.19	64.76	0.	154.94	163.28	22.68	14.18	10.07	0.79	0.79	0.	0.	0.	0.	365.15	365.15		
90	95.76	70.10	0.	165.86	172.77	25.15	15.38	10.98	0.99	0.99	0.	0.	0.	0.	390.14	390.14		
91	101.65	75.41	0.	177.06	181.89	27.68	16.78	11.98	1.27	1.27	0.	0.	0.	0.	415.39	415.39		
92	107.62	80.54	0.	188.16	190.61	30.29	18.12	12.96	1.57	1.57	0.	0.	0.	0.	440.14	440.14		
93	113.67	85.50	0.	199.17	198.98	32.95	19.48	13.93	1.87	1.87	0.	0.	0.	0.	464.49	464.49		
94	119.70	90.40	0.	210.11	207.01	35.67	20.80	14.89	2.17	2.17	0.	0.	0.	0.	488.48	488.48		
95	125.82	95.15	0.	220.97	214.71	38.44	22.13	15.88	2.48	2.48	0.	0.	0.	0.	512.10	512.10		
96	132.02	99.73	0.	231.75	222.11	41.22	23.51	16.85	2.81	2.81	0.	0.	0.	0.	535.44	535.44		
97	138.31	104.17	0.	242.48	229.24	44.02	24.85	17.83	3.16	3.16	0.	0.	0.	0.	558.41	558.41		
98	144.67	108.47	0.	253.13	236.11	46.82	26.15	18.81	3.50	3.50	0.	0.	0.	0.	581.02	581.02		
99	151.11	112.63	0.	263.74	242.73	49.60	27.43	19.79	3.84	3.84	0.	0.	0.	0.	603.29	603.29		
00	157.62	116.67	0.	274.29	249.18	52.36	28.67	20.78	4.17	4.17	0.	0.	0.	0.	625.24	625.24		
01	159.57	123.47	0.	283.04	255.12	55.17	30.24	21.89	4.51	4.51	0.	0.	0.					

	19	2	'6	09	11	0.8	96	62	40	7.46	10.49	0.01	0.01	0.05	904.75	901.71
17	194.12	202.66	0.10	396.88	313.88	98.46	65.23	41.27	7.46	11.07	0.02	0.01	0.06	919.39	915.74	
18	196.87	204.51	0.12	401.50	317.06	100.71	68.26	42.19	7.46	11.70	0.02	0.01	0.06	934.02	929.74	
19	199.50	206.32	0.12	405.95	320.33	102.88	71.44	43.08	7.46	12.36	0.03	0.02	0.06	948.65	943.71	
20	203.06	208.09	0.13	411.29	323.70	104.96	74.78	43.92	7.46	13.07	0.03	0.02	0.06	964.32	958.68	
21	203.06	208.09	0.13	411.29	326.85	106.90	77.54	44.64	7.46	13.82	0.04	0.02	0.06	973.64	967.25	
22	203.06	208.09	0.13	411.29	329.77	108.70	80.24	45.31	7.46	14.56	0.04	0.03	0.06	982.48	975.35	
23	203.06	208.09	0.13	411.29	332.49	110.37	82.83	45.93	7.46	15.29	0.04	0.03	0.06	990.81	982.98	
24	203.06	208.09	0.13	411.29	335.01	111.91	85.30	46.49	7.46	16.01	0.05	0.03	0.06	998.63	990.05	
25	203.06	208.09	0.13	411.29	337.33	113.34	87.60	47.02	7.47	16.69	0.05	0.03	0.06	1005.88	996.63	
26	203.06	208.09	0.13	411.29	339.48	114.66	89.72	47.49	7.47	17.33	0.05	0.03	0.06	1012.59	1002.69	
27	203.06	208.09	0.13	411.29	341.45	115.88	91.70	47.93	7.47	17.93	0.06	0.04	0.06	1018.79	1008.31	
28	203.06	208.09	0.13	411.29	343.25	117.01	93.56	48.34	7.47	18.48	0.06	0.04	0.06	1024.53	1013.49	
29	203.06	208.09	0.13	411.29	344.88	118.04	95.29	48.71	7.47	18.99	0.06	0.04	0.06	1029.81	1018.27	
30	203.06	208.09	0.13	411.29	346.36	119.00	96.80	49.05	7.48	19.48	0.06	0.04	0.06	1034.68	1022.65	
31	203.06	208.09	0.13	411.29	347.78	119.86	98.19	49.34	7.48	19.93	0.07	0.04	0.06	1038.97	1026.50	
32	203.06	208.09	0.13	411.29	349.07	120.63	99.31	49.59	7.48	20.34	0.07	0.04	0.06	1042.83	1029.95	
33	203.06	208.09	0.13	411.29	350.31	121.32	100.28	49.81	7.49	20.71	0.07	0.04	0.06	1046.33	1033.08	
34	203.06	208.09	0.13	411.29	351.48	121.93	101.12	50.00	7.49	21.05	0.07	0.04	0.06	1049.48	1035.89	
35	203.06	208.09	0.13	411.29	352.59	122.47	101.87	50.15	7.49	21.36	0.07	0.05	0.06	1052.33	1038.45	
36	203.06	208.09	0.13	411.29	353.63	122.96	102.51	50.28	7.49	21.65	0.07	0.05	0.06	1054.91	1040.73	
37	203.06	208.09	0.13	411.29	354.59	123.38	103.03	50.37	7.49	21.92	0.08	0.05	0.06	1057.19	1042.75	
38	203.06	208.09	0.13	411.29	355.50	123.76	103.48	50.45	7.50	22.17	0.08	0.05	0.06	1059.23	1044.54	
39	203.06	208.09	0.13	411.29	356.33	124.10	103.81	50.51	7.50	22.40	0.08	0.05	0.06	1061.03	1046.11	
40	203.06	208.09	0.13	411.29	357.10	124.38	103.98	50.56	7.50	22.62	0.08	0.05	0.06	1062.49	1047.36	
A-363	41	203.06	208.09	0.13	411.29	357.80	124.63	104.04	50.59	7.50	22.81	0.08	0.05	0.06	1063.73	1048.42
42	203.06	208.09	0.13	411.29	358.43	124.83	104.08	50.61	7.50	22.97	0.08	0.06	0.06	1064.79	1049.32	
43	203.06	208.09	0.13	411.29	359.00	124.99	104.08	50.63	7.50	23.11	0.08	0.06	0.06	1065.68	1050.07	
44	203.06	208.09	0.13	411.29	359.51	125.12	104.08	50.64	7.51	23.23	0.08	0.06	0.06	1066.44	1050.71	
45	203.06	208.09	0.13	411.29	359.94	125.22	104.08	50.64	7.51	23.33	0.08	0.06	0.06	1067.07	1051.25	
46	203.06	208.09	0.13	411.29	360.29	125.29	104.09	50.64	7.51	23.41	0.08	0.06	0.06	1067.58	1051.69	
47	203.06	208.09	0.13	411.29	360.54	125.35	104.09	50.64	7.52	23.48	0.09	0.07	0.06	1067.96	1052.00	
48	203.06	208.09	0.13	411.29	360.71	125.39	104.09	50.64	7.53	23.60	0.09	0.07	0.06	1068.27	1052.21	
49	203.06	208.09	0.13	411.29	360.79	125.41	104.09	50.64	7.54	23.78	0.09	0.07	0.06	1068.54	1052.31	
50	203.06	208.09	0.13	411.29	360.79	125.41	104.09	50.64	7.80	24.03	0.09	0.07	0.06	1068.54	1052.31	

START OF CASE (
DTA CALL NO....15

110877
INPUT EDITS

CRD NO....1 (CASE # 7 , LWR AND HTGR-OC -- NO REPROCESSING) \$
CRD NO....2 A1 = 0.0 \$
CRD NO....3 D1 = 2051.0 , IBTOPW = 1977 \$
CRD NO....4 GCRDEC(30) = 0.0158 , GCRDEC(121) = 0.0158 \$
CRD NO....5 GCRIEC(30) = 0.00956 , GCRIEC(121) = 0.00956 \$
CRD NO....6 GCRDUC(30) = 0.0529 , GCRDUC(121) = 0.0529 \$
CRD NO....7 GCRIUC(30) = 0.0435 , GCRIUC(121) = 0.0435 \$
CRD NO....8 GCRREC(30) = 0.475 , GCRREC(121) = 0.475 \$
CRD NO....9 UIRREC(30) = 0.475 , UIRREC(121) = 0.475 \$
CRD NO....10 GCRUIP(45) = 0.0 , GCRUIP(121) = 0.0 \$
CRD NO....11 LFYUIR = 2051 , LFYPUR = 2051 \$
CRD NO....12 GCRSFI = 0.0 , CGUINV = 0.0 \$
CRD NO....13 EPNOUT(3) = 0.002 \$
CRD NO....14 CBUINV = 0.0 , CPUINV = 0.0 \$
CRD NO....15 PWRSEI = 0.0 \$
CRD NO....16 SPECIF(1) = 1710. , 1710. \$
CRD NO....17 BUPRLD(1) = 1161111. , 1161111. \$
CRD NO....18 EFFICY(1) = .38 , .38 \$
CRD NO....19 PWRPUP(40) = 0.0 , PWRPUP(121) = 0.0 \$
CRD NO....20 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
CRD NO....21 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
CRD NO....22 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
CRD NO....23 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
CRD NO....24 EPNINT(1) = .93 , .93 \$
CRD NO....25 EPNRLD(1) = .93 , .93 \$
CRD NO....26 EPNOUT(1) = .002 , .002 \$
CRD NO....27 PWRFAB(30) = 0.7205 , PWRFAB(121) = 0.7205 \$
CRD NO....28 BWRREC(30) = 0.120 , BWRREC(121) = 0.120 \$

00003260
00003270
00003280
00003290
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8298T 03 11-08-77 20.226

CRD NO...29 RL21 = 0.70 , RL31 = 0.70 \$\$
DTA CALL NO....16 INPUT EDITS

PAGE 8

00003540

CRD NO....1 \$\$

00003550

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	988.3	34.0	1363.7	0.	2005.62	2496.50	1041.29
2	1596.6	34.0	755.4	0.	1959.51	2348.46	1041.29
3	1544.5	34.0	807.5	0.	1934.19	2365.85	1041.29

A-366

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	608.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	0.	0.	16.0	171.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	0.	0.	17.0	188.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	0.	0.	18.0	206.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	0.	0.	19.0	225.	0.	0.
91	773.	26.8	528.	0.	0.	0.	0.	0.	0.	20.0	244.	0.	0.	20.0	244.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	0.	0.	20.5	265.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	0.	0.	21.0	286.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	0.	0.	22.0	308.	0.	0.
95	940.	34.9	609.	1.0	1.	0.	0.	1.0	1.	21.5	329.	0.	0.	21.5	329.	0.	0.
96	987.	37.8	633.	2.0	3.	0.	0.	2.0	3.	21.0	350.	0.	0.	21.0	350.	0.	0.
97	1036.	40.3	660.	4.0	7.	0.	0.	4.0	7.	19.5	369.	0.	0.	19.5	369.	0.	0.
98	1088.	43.3	688.	6.0	13.	0.	0.	6.0	13.	18.0	387.	0.	0.	18.0	387.	0.	0.
99	1142.	46.4	718.	9.0	22.	0.	0.	9.0	22.	15.5	401.	0.	0.	15.5	401.	0.	0.
00	1199.	49.8	753.	12.0	34.	0.	0.	12.0	34.	13.0	412.	0.	0.	13.0	412.	0.	0.
01	1241.	21.7	759.	0.	34.	0.	0.	0.	34.	39.1	448.	0.	0.	39.1	448.	0.	0.
02	1285.	23.8	766.	0.	34.	0.	0.	0.	34.	42.4	485.	0.	0.	42.4	485.	0.	0.
03	1330.	24.7	775.	0.	34.	0.	0.	0.	34.	44.4	520.	0.	0.	44.4	520.	0.	0.
04	1376.	25.8	786.	0.	34.	0.	0.	0.	34.	46.4	555.	0.	0.	46.4	555.	0.	0.
05	1424.	27.1	792.	0.	34.	0.	0.	0.	34.	48.6	598.	0.	0.	48.6	598.	0.	0.
06	1474.	35.7	806.	0.	34.	0.	0.	0.	34.	43.6	634.	0.	0.	43.6	634.	0.	0.
07	1526.	37.4	820.	0.	34.	0.	0.	0.	34.	45.7	672.	0.	0.	45.7	672.	0.	0.
08	1579.	49.5	853.	0.	34.	0.	0.	0.	34.	27.9	692.	0.	0.	27.9	692.	0.	0.
09	1634.	51.5	887.	0.	34.	0.	0.	0.	34.	28.9	713.	0.	0.	28.9	713.	0.	0.
10	1691.	53.6	923.	0.	34.	0.	0.	0.	34.	30.0	734.	0.	0.	30.0	734.	0.	0.
11	1751.	55.8	962.	0.	34.	0.	0.	0.	34.	31.1	755.	0.	0.	31.1	755.	0.	0.
12	1812.	64.7	1008.	0.	34.	0.	0.	0.	34.	25.6	770.	0.	0.	25.6	770.	0.	0.
13	1875.	76.3	1066.	0.	34.	0.	0.	0.	34.	17.6	775.	0.	0.	17.6	775.	0.	0.
14	1941.	79.3	1126.	0.	34.	0.	0.	0.	34.	18.3	781.	0.	0.	18.3	781.	0.	0.
15	2009.	82.5	1189.	0.	34.	0.	0.	0.	34.	19.0	786.	0.	0.	19.0	786.	0.	0.
16	2079.	85.8	1255.	0.	34.	0.	0.	0.	34.	19.8	790.	0.	0.	19.8	790.	0.	0.
17	2152.	89.2	1323.	0.	34.	0.	0.	0.	34.	20.5	795.	0.	0.	20.5	795.	0.	0.
18	2227.	92.0	1394.	0.	34.	0.	0.	0.	34.	21.3	799.	0.	0.	21.3	799.	0.	0.
19	2305.	96.5	1468.	0.	34.	0.	0.	0.	34.	22.2	803.	0.	0.	22.2	803.	0.	0.
20	2386.	100.4	1545.	0.	34.	0.	0.	0.	34.	23.0	808.	0.	0.	23.0	808.	0.	0.
21	2339.	0.	1518.	0.	34.	0.	0.	0.	34.	0.	788.	0.	0.	0.	788.	0.	0.
22	2290.	0.	1409.	0.	34.	0.	0.	0.	34.	0.	767.	0.	0.	0.	767.	0.	0.
23	2239.	0.	1459.	0.	34.	0.	0.	0.	34.	0.	746.	0.	0.	0.	746.	0.	0.

24	2184.	0.	1426.	0.	34.	0.	0.	0.	34.	0.	724.	0.	0.	0.	724.	0.	0.
25	2127.	0.	1391.	0.	33.	0.	0.	0.	33.	0.	703.	0.	0.	0.	703.	0.	0.
26	2066.	0.	1354.	0.	31.	0.	0.	0.	31.	0.	682.	0.	0.	0.	682.	0.	0.
27	2002.	0.	1313.	0.	27.	0.	0.	0.	27.	0.	662.	0.	0.	0.	662.	0.	0.
28	1935.	0.	1270.	0.	21.	0.	0.	0.	21.	0.	644.	0.	0.	0.	644.	0.	0.
29	1864.	0.	1224.	0.	12.	0.	0.	0.	12.	0.	629.	0.	0.	0.	629.	0.	0.
30	1789.	0.	1174.	0.	0.	0.	0.	0.	0.	0.	616.	0.	0.	0.	616.	0.	0.
31	1728.	0.	1152.	0.	0.	0.	0.	0.	0.	0.	576.	0.	0.	0.	576.	0.	0.
32	1663.	0.	1129.	0.	0.	0.	0.	0.	0.	0.	534.	0.	0.	0.	534.	0.	0.
33	1594.	0.	1104.	0.	0.	0.	0.	0.	0.	0.	490.	0.	0.	0.	490.	0.	0.
34	1521.	0.	1078.	0.	0.	0.	0.	0.	0.	0.	443.	0.	0.	0.	443.	0.	0.
35	1446.	0.	1051.	0.	0.	0.	0.	0.	0.	0.	395.	0.	0.	0.	395.	0.	0.
36	1366.	0.	1015.	0.	0.	0.	0.	0.	0.	0.	351.	0.	0.	0.	351.	0.	0.
37	1283.	0.	978.	0.	0.	0.	0.	0.	0.	0.	305.	0.	0.	0.	305.	0.	0.
38	1206.	0.	928.	0.	0.	0.	0.	0.	0.	0.	277.	0.	0.	0.	277.	0.	0.
39	1125.	0.	877.	0.	0.	0.	0.	0.	0.	0.	248.	0.	0.	0.	248.	0.	0.
40	1042.	0.	823.	0.	0.	0.	0.	0.	0.	0.	219.	0.	0.	0.	219.	0.	0.
41	955.	0.	767.	0.	0.	0.	0.	0.	0.	0.	187.	0.	0.	0.	187.	0.	0.
42	865.	0.	703.	0.	0.	0.	0.	0.	0.	0.	162.	0.	0.	0.	162.	0.	0.
43	771.	0.	627.	0.	0.	0.	0.	0.	0.	0.	144.	0.	0.	0.	144.	0.	0.
44	673.	0.	547.	0.	0.	0.	0.	0.	0.	0.	126.	0.	0.	0.	126.	0.	0.
45	572.	0.	465.	0.	0.	0.	0.	0.	0.	0.	107.	0.	0.	0.	107.	0.	0.
46	466.	0.	379.	0.	0.	0.	0.	0.	0.	0.	87.	0.	0.	0.	87.	0.	0.
47	356.	0.	290.	0.	0.	0.	0.	0.	0.	0.	67.	0.	0.	0.	67.	0.	0.
48	242.	0.	197.	0.	0.	0.	0.	0.	0.	0.	45.	0.	0.	0.	45.	0.	0.
49	123.	0.	100.	0.	0.	0.	0.	0.	0.	0.	23.	0.	0.	0.	23.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-0.	-0.0	-0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

ECONOMIC COST CASE																	

YR	CAPITAL INVESTMENTS				EXPENSES												
	*****				*****												
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR					FBR					TOTALS	
						*****	*****				*****						
							FABRICATION	URANIUM	PU	PU	FABRICATION	PU	PU				
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
					FUEL	RECOVERY	FEED	SEP	SALES	PURCHASES	RECOVERY	SALES	PURCHASES	WITH	W+O		
					O&M	O&M		WK			O&M			PU	PU		
77	11.45	5.18	0.	16.63	15.47	1.04	0.47	0.18	0.	0.	0.	0.	0.	33.79	33.79		
78	19.44	9.17	0.	28.61	30.43	2.14	1.49	0.71	0.	0.	0.	0.	0.	63.38	63.38		
79	26.96	13.58	0.	40.54	44.87	3.32	2.60	1.32	0.	0.	0.	0.	0.	92.65	92.65		
80	34.26	18.11	0.	52.37	58.81	4.58	3.77	2.01	0.	0.	0.	0.	0.	121.54	121.54		
81	41.26	22.86	0.	64.13	72.25	5.90	5.03	2.75	0.	0.	0.	0.	0.	150.06	150.06		
82	48.00	27.80	0.	75.80	85.22	7.31	6.36	3.56	0.	0.	0.	0.	0.	178.24	178.24		
83	54.51	32.87	0.	87.38	97.71	8.79	7.76	4.43	0.	0.	0.	0.	0.	206.08	206.08		
84	60.82	38.06	0.	98.88	109.74	10.36	9.25	5.37	0.	0.	0.	0.	0.	233.59	233.59		
85	66.95	43.33	0.	110.28	121.33	11.99	10.81	6.36	0.	0.	0.	0.	0.	260.77	260.77		
86	72.94	48.66	0.	121.59	132.49	13.70	12.44	7.40	0.	0.	0.	0.	0.	287.62	287.62		
87	78.79	54.02	0.	132.81	143.24	15.48	14.15	8.47	0.	0.	0.	0.	0.	314.14	314.14		
88	84.53	59.39	0.	143.93	153.56	17.32	15.94	9.57	0.	0.	0.	0.	0.	340.32	340.32		
89	90.19	64.76	0.	154.94	163.48	19.22	17.80	10.71	0.	0.	0.	0.	0.	366.16	366.16		
90	95.76	70.10	0.	165.86	173.02	21.18	19.74	11.87	0.	0.	0.	0.	0.	391.67	391.67		
91	101.65	75.41	0.	177.06	182.17	23.20	21.74	13.06	0.	0.	0.	0.	0.	417.24	417.24		
92	107.62	80.54	0.	188.16	190.97	25.26	23.79	14.27	0.	0.	0.	0.	0.	442.44	442.44		
93	113.67	85.50	0.	199.17	199.43	27.35	25.66	15.49	0.	0.	0.	0.	0.	467.30	467.30		
94	119.70	90.40	0.	210.11	207.57	29.47	27.98	16.72	0.	0.	0.	0.	0.	491.85	491.85		
95	125.82	95.18	0.	221.00	215.42	31.63	30.11	17.97	0.	0.	0.	0.	0.	516.12	516.12		
96	132.02	99.82	0.	231.84	222.98	33.81	32.25	19.22	0.	0.	0.	0.	0.	540.10	540.10		
97	138.31	104.36	0.	242.67	230.33	36.00	34.40	20.49	0.	0.	0.	0.	0.	563.89	563.89		
98	144.67	108.81	0.	253.48	237.46	38.21	36.55	21.76	0.	0.	0.	0.	0.	587.46	587.46		
99	151.11	113.19	0.	264.30	244.40	40.44	38.70	23.04	0.	0.	0.	0.	0.	610.89	610.89		
00	157.62	117.49	0.	275.12	251.20	42.68	40.93	24.34	0.	0.	0.	0.	0.	634.27	634.27		
01	160.31	123.29	0.	283.60	257.59	44.95	43.56	25.68	0.	0.	0.	0.	0.	655.38	655.38		
02	163.05	129.22	0.	292.27	263.58	47.26	46.41	27.04	0.	0.	0.	0.	0.	676.56	676.56		
03	165.76	135.07	0.	300.83	269.23	49.58	49.46	28.42	0.	0.	0.	0.	0.	697.51	697.51		
04	168.44	140.85	0.	309.29	274.57	51.90	52.72	29.80	0.	0.	0.	0.	0.	718.28	718.28		
05	171.08	146.56	0.	317.64	279.56	54.24	56.18	31.18	0.	0.	0.	0.	0.	738.81	738.81		
06	174.38	151.38	0.	325.76	284.30	56.58	59.75	32.52	0.	0.	0.	0.	0.	758.91	758.91		
07	177.64	156.16	0.	333.79	288.89	58.91	63.42	33.83	0.	0.	0.	0.	0.	778.84	778.84		
08	181.70	158.90	0.	340.61	293.55	61.16	67.01	35.04	0.	0.	0.	0.	0.	797.38	797.38		
09	185.70	161.59	0.	347.29	298.28	63.35	70.76	36.22	0.	0.	0.	0.	0.	815.90	815.90		
10	189.61	164.22	0.	353.84	303.07	65.48	74.80	37.36	0.	0.	0.	0.	0.	834.54	834.54		
11	193.46	166.80	0.	360.26	307.92	67.53	79.24	38.46	0.	0.	0.	0.	0.	853.40	853.40		
12	197.67	168.79	0.	366.46	312.90	69.51	83.94	39.50	0.	0.	0.	0.	0.	872.31	872.31		
13	202.35	170.09	0.	372.44	318.11	71.38	88.75	40.47	0.	0.	0.	0.	0.	891.17	891.17		
14	206.94	171.37	0.	378.31	323.55	73.16	93.82	41.40	0.	0.	0.	0.	0.	910.23	910.23		
15	211.1	172.61	0.	384.06	329.19	74.05	98.99	42.27	0.	0.	0.	0.	0.	929.37	929.37		

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16	215.86	173.83	0.	389.70	335.03	76.46	104.14	43.11	0.	0.	0.	0.	0.	948.11	948.43
17	220.20	176.03	0.	395.23	341.06	77.98	109.26	43.89	0.	0.	0.	0.	0.	967.41	967.41
18	224.46	176.21	0.	400.66	347.27	79.42	114.28	44.63	0.	0.	0.	0.	0.	986.27	986.27
19	228.63	177.36	0.	405.99	353.64	80.79	119.13	45.34	0.	0.	0.	0.	0.	1004.90	1004.90
20	232.73	178.48	0.	411.22	360.18	82.09	123.79	46.01	0.	0.	0.	0.	0.	1023.28	1023.28
21	232.73	178.48	0.	411.22	366.34	83.28	127.74	46.59	0.	0.	0.	0.	0.	1035.16	1035.16
22	232.73	178.48	0.	411.22	372.13	84.38	131.39	47.13	0.	0.	0.	0.	0.	1046.25	1046.25
23	232.73	178.48	0.	411.22	377.58	85.39	134.78	47.62	0.	0.	0.	0.	0.	1056.58	1056.58
24	232.73	178.48	0.	411.22	382.69	86.32	137.89	48.07	0.	0.	0.	0.	0.	1066.19	1066.19
25	232.73	178.48	0.	411.22	387.49	87.16	140.77	48.48	0.	0.	0.	0.	0.	1075.11	1075.11
26	232.73	178.48	0.	411.22	391.98	87.94	143.41	48.85	0.	0.	0.	0.	0.	1083.39	1083.39
27	232.73	178.48	0.	411.22	396.17	88.65	145.84	49.19	0.	0.	0.	0.	0.	1091.06	1091.06
28	232.73	178.48	0.	411.22	400.07	89.29	148.07	49.50	0.	0.	0.	0.	0.	1098.13	1098.13
29	232.73	178.48	0.	411.22	403.69	89.87	150.11	49.77	0.	0.	0.	0.	0.	1104.65	1104.65
30	232.73	178.48	0.	411.22	407.05	90.39	151.98	50.01	0.	0.	0.	0.	0.	1110.65	1110.65
31	232.73	178.48	0.	411.22	410.22	90.85	153.52	50.23	0.	0.	0.	0.	0.	1116.03	1116.03
32	232.73	178.48	0.	411.22	413.21	91.25	154.83	50.41	0.	0.	0.	0.	0.	1120.91	1120.91
33	232.73	178.48	0.	411.22	416.04	91.60	155.93	50.56	0.	0.	0.	0.	0.	1125.35	1125.35
34	232.73	178.48	0.	411.22	418.71	91.90	156.84	50.69	0.	0.	0.	0.	0.	1129.35	1129.35
35	232.73	178.48	0.	411.22	421.22	92.14	157.57	50.79	0.	0.	0.	0.	0.	1132.94	1132.94
36	232.73	178.48	0.	411.22	423.56	92.35	158.18	50.88	0.	0.	0.	0.	0.	1136.19	1136.19
37	232.73	178.48	0.	411.22	425.75	92.53	158.64	50.95	0.	0.	0.	0.	0.	1139.08	1139.08
38	232.73	178.48	0.	411.22	427.74	92.67	159.11	51.01	0.	0.	0.	0.	0.	1141.74	1141.74
39	232.73	178.48	0.	411.22	429.54	92.80	159.48	51.06	0.	0.	0.	0.	0.	1144.10	1144.10
40	232.73	178.48	0.	411.22	431.17	92.90	159.77	51.11	0.	0.	0.	0.	0.	1146.17	1146.17
41	232.73	178.48	0.	411.22	432.64	92.99	159.99	51.14	0.	0.	0.	0.	0.	1147.97	1147.97
42	232.73	178.48	0.	411.22	433.93	93.05	160.17	51.17	0.	0.	0.	0.	0.	1149.54	1149.54
43	232.73	178.48	0.	411.22	435.03	93.11	160.34	51.19	0.	0.	0.	0.	0.	1150.89	1150.89
44	232.73	178.48	0.	411.22	435.94	93.16	160.47	51.21	0.	0.	0.	0.	0.	1151.99	1151.99
45	232.73	178.48	0.	411.22	436.68	93.20	160.56	51.22	0.	0.	0.	0.	0.	1152.88	1152.88
46	232.73	178.48	0.	411.22	437.25	93.22	160.62	51.23	0.	0.	0.	0.	0.	1153.55	1153.55
47	232.73	178.48	0.	411.22	437.67	93.25	160.65	51.24	0.	0.	0.	0.	0.	1154.02	1154.02
48	232.73	178.48	0.	411.22	437.94	93.26	160.65	51.24	0.	0.	0.	0.	0.	1154.31	1154.31
49	232.73	178.48	0.	411.22	438.07	93.27	160.65	51.24	0.	0.	0.	0.	0.	1154.45	1154.45
50	232.73	178.48	0.	411.22	438.07	93.27	160.65	51.24	0.00	0.00	0.	0.	0.	1154.45	1154.45

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DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 8 , LWR AND HTGR-RC -- WITH REPROCESSING) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , IBTOPW = 1977 \$
 CRD NO....4 CPUINV = 0.000738 , CBUINV = 0.0 \$
 CRD NO....5 PWRSF1 = 0.02255 \$
 CRD NO....6 SPECIF(1) = 1710. , 1710. \$
 CRD NO....7 BUPRLD(1) = 1161111 , 1161111. \$
 CRD NO....8 EFFICY(1) = .38 , .38 \$
 CRD NO....9 PURCIN = 685.8 \$
 CRD NO....10 PURCDC = 1547.0 \$
 CRD NO....11 PURPCR(30) = 0.290 , PURPCR(121) = 0.290 \$
 CRD NO....12 PURPIS(30) = 0.01534 , PURPIS(121) = 0.01534 \$
 CRD NO....13 PWRPUP(40) = 0.204 , PWRPUP(121) = 0.204 \$
 CRD NO....14 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
 CRD NO....15 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
 CRD NO....16 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
 CRD NO....17 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
 CRD NO....18 EPNINT(1) = .93 , .93 \$
 CRD NO....19 EPNRLD(1) = .93 , .93 \$
 CRD NO....20 EPNOUT(1) = .50 , .50 \$
 CRD NO....21 PWRFAB(30) = 0.7205 , PWRFAB(121) = 0.7205 \$
 CRD NO....22 PURFAB(30) = 1.174 , PURFAB(121) = 1.174 \$
 CRD NO....23 PWRREC(30) = 0.560 , PWRREC(121) = 0.560 \$
 CRD NO....24 PURREC(30) = 0.560 , PURREC(121) = 0.560 \$
 CRD NO....25 LFYUR = 1995 , LFYPUR = 1995 \$
 CRD NO....26 RL21 = 0.70 , RL31 = 0.70 \$ \$
 A-370 DTA CALL NO.....2 INPUT EDITS

00003570
 00003580
 00003590
 00003600
 00003610
 00003620
 00003630
 00003640
 00003650
 00003660
 00003670
 00003680
 00003690
 00003700
 00003710
 00003720
 00003730
 00003740
 00003750
 00003760
 00003770
 00003780
 00003790
 00003800
 00003805
 00003810

00003820

CRD NO....1 \$ \$

NOCOUNT	FSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	788.4	390.8	1206.8	0.	1713.96	2318.57	1041.29
2	1063.7	403.1	919.2	0.	1604.87	1959.10	1041.29
3	1054.5	390.5	941.0	0.	1534.64	1967.34	1041.29
4	1033.5	397.9	954.7	0.	1495.03	1991.09	1041.29
5	1019.9	408.2	957.9	0.	1472.72	2004.58	1041.29

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	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	336.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	940.	34.9	609.	1.0	1.	0.1	0.	0.9	1.	21.8	329.	17.5	64.	13.8	265.	0.	0.
96	987.	37.5	633.	2.0	3.	0.1	0.	1.9	3.	21.0	350.	18.5	68.	16.6	282.	0.	0.
97	1036.	40.3	660.	4.0	7.	0.2	0.	3.8	7.	19.5	369.	21.5	74.	13.5	295.	0.	0.
98	1088.	43.3	688.	6.0	13.	0.4	1.	5.6	12.	18.0	387.	23.1	81.	11.4	306.	0.	0.
99	1142.	46.4	718.	9.0	22.	0.7	1.	8.6	21.	15.5	401.	24.3	87.	8.7	314.	0.	0.
00	1199.	49.8	753.	12.0	34.	1.3	3.	10.9	32.	13.0	412.	25.4	94.	6.1	318.	0.	0.
01	1241.	15.7	753.	0.	34.	2.1	4.	0.	30.	48.2	464.	26.4	99.	40.3	355.	0.	0.
02	1285.	17.0	753.	0.	34.	3.2	7.	0.	27.	48.9	497.	28.1	104.	43.9	393.	0.	0.
03	1330.	17.8	755.	0.	34.	3.1	10.	0.	25.	51.2	540.	30.9	111.	44.6	429.	0.	0.
04	1376.	22.1	763.	0.	34.	2.9	11.	0.	23.	60.1	579.	33.6	119.	42.0	460.	0.	0.
05	1424.	23.2	765.	0.	34.	3.0	12.	0.	22.	52.5	625.	36.1	129.	42.8	496.	0.	0.
06	1474.	24.4	767.	0.	34.	3.2	12.	0.1	22.	64.9	673.	38.2	139.	44.8	534.	0.	0.
07	1526.	29.8	774.	0.	34.	3.5	13.	0.	21.	63.4	717.	41.1	149.	43.2	568.	0.	0.
08	1579.	27.8	785.	0.	34.	3.4	13.	0.	21.	49.6	760.	44.6	160.	38.6	600.	0.	0.
09	1634.	28.9	797.	0.	34.	3.3	13.	0.	21.	61.5	803.	47.8	172.	39.8	632.	0.	0.
10	1691.	30.0	810.	0.	34.	3.1	13.	0.0	21.	63.6	848.	50.8	184.	41.0	664.	0.	0.
11	1751.	31.3	823.	0.	34.	3.0	13.	0.5	21.	55.6	893.	53.6	197.	43.1	697.	0.	0.
12	1812.	32.5	838.	0.	34.	3.0	12.	0.5	22.	57.8	940.	56.8	209.	45.6	731.	0.	0.
13	1875.	33.8	853.	0.	34.	3.0	12.	0.3	22.	60.1	988.	60.3	221.	47.5	767.	0.	0.
14	1941.	35.2	869.	23.8	58.	3.0	12.	23.9	46.	38.6	1014.	63.8	234.	25.5	779.	0.	0.
15	2009.	36.6	886.	34.5	92.	3.1	12.	34.4	80.	30.4	1030.	67.3	248.	16.7	782.	0.	0.
16	2079.	38.1	904.	54.8	147.	5.4	14.	52.4	133.	12.6	1028.	69.4	261.	0.	767.	0.	0.
17	2152.	42.2	925.	67.5	215.	8.0	20.	61.0	194.	0.	1012.	71.2	272.	0.	740.	0.	0.
18	2227.	52.1	956.	62.0	277.	13.9	31.	61.2	246.	0.	995.	72.2	280.	0.	715.	0.	0.
19	2305.	54.2	987.	64.5	341.	20.0	40.	47.6	293.	0.	977.	72.6	285.	0.	692.	0.	0.
20	2386.	56.4	1020.	67.0	408.	25.0	68.	47.4	341.	0.	958.	73.0	289.	0.	669.	0.	0.
21	2339.	0.	993.	0.	408.	30.7	90.	0.	319.	0.	938.	72.8	290.	0.	647.	0.	0.
22	2290.	0.	965.	0.	408.	36.8	113.	0.	296.	0.	917.	72.5	291.	0.	627.	0.	0.
23	2239.	0.	934.	0.	408.	37.0	130.	0.	279.	0.	896.	71.8	290.	0.7	606.	0.	0.

24	2184.	0.	901.	0.	408.	37.4	142.	0.	266.	0.	874.	70.9	288.	2.0	586.	0.	0.
25	2127.	0.	866.	0.	407.	38.0	149.	0.	258.	0.	853.	70.0	285.	2.8	568.	0.	0.
26	2066.	0.	829.	0.	405.	38.8	151.	0.	254.	0.	832.	68.9	282.	3.6	550.	0.	0.
27	2002.	0.	789.	0.	401.	40.1	154.	0.	247.	0.	812.	67.7	278.	4.1	535.	0.	0.
28	1935.	0.	745.	0.	395.	38.7	156.	0.	240.	0.	794.	66.4	273.	4.5	521.	0.	0.
29	1864.	0.	699.	0.	386.	37.0	155.	0.9	232.	0.	779.	65.1	268.	4.9	511.	0.	0.
30	1789.	0.	649.	0.	374.	35.6	151.	3.2	223.	0.	766.	64.0	263.	4.9	503.	0.	0.
31	1728.	0.	633.	0.	374.	34.2	146.	5.8	229.	0.	721.	62.8	258.	4.9	462.	0.	0.
32	1663.	0.	616.	0.	374.	33.0	140.	5.7	234.	0.	672.	61.8	254.	4.7	418.	0.	0.
33	1594.	0.	599.	0.	374.	33.4	136.	3.6	238.	0.	621.	59.0	247.	6.2	373.	0.	0.
34	1521.	0.	576.	0.	374.	33.7	134.	1.9	240.	0.	571.	55.9	239.	8.1	331.	0.	0.
35	1446.	0.	553.	0.	374.	33.7	134.	0.5	240.	0.	518.	52.9	230.	9.9	289.	0.	0.
36	1366.	0.	529.	0.	374.	33.5	134.	0.	240.	0.	463.	50.0	218.	11.7	245.	0.	0.
37	1283.	0.	499.	0.	374.	33.2	134.	0.2	240.	0.	410.	47.2	206.	11.7	204.	0.	0.
38	1206.	0.	471.	0.	374.	33.4	134.	0.3	240.	0.	360.	43.4	194.	12.5	167.	0.	0.
39	1126.	0.	442.	0.	374.	33.7	134.	0.0	240.	0.	309.	39.6	180.	13.2	128.	0.	0.
40	1042.	0.	412.	0.	374.	33.9	134.	0.	240.	0.	255.	36.1	166.	13.9	89.	0.	0.
41	955.	0.	381.	0.	374.	34.0	135.	0.	239.	0.	199.	32.6	152.	14.6	48.	0.	0.
42	865.	0.	349.	0.	374.	33.9	135.	0.	239.	0.	142.	29.0	137.	14.4	4.	0.	0.
43	771.	0.	315.	0.	374.	33.8	136.	0.	239.	0.	02.	-16.0	82.	14.8	0.	0.	0.
44	673.	0.	280.	0.	350.	33.8	136.	0.1	215.	0.	43.	-2.5	43.	0.	0.	0.	0.
45	572.	0.	243.	0.	316.	33.8	135.	0.2	181.	0.	13.	2.2	13.	0.	0.	0.	0.
46	466.	0.	205.	0.	261.	31.5	133.	2.5	128.	0.	0.	16.4	0.	0.	0.	0.	0.
47	356.	0.	163.	0.	194.	28.1	127.	5.8	66.	0.	0.	-16.0	0.	0.	0.	0.	0.
48	242.	0.	111.	0.	132.	22.9	116.	10.9	15.	0.	0.	-2.5	0.	0.	0.	0.	0.
49	123.	0.	56.	0.	67.	0.	67.	0.	0.	0.	0.	2.2	0.	0.	0.	0.	0.
50	0.	0.	-0.	0.	0.	0.	0.	0.	0.	0.	0.	16.4	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

ECONOMIC COST CASE																		
YR	CAPITAL INVESTMENTS				EXPENSES												TOTALS	
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR						FBR						
						FUEL O&M	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES				
77	11.45	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.	0.	0.	33.95	33.95		
78	19.44	9.17	0.	28.61	30.43	2.49	1.34	0.70	0.	0.	0.	0.	0.	0.	63.56	63.56		
79	26.96	13.58	0.	40.54	44.87	3.85	2.29	1.30	0.	0.	0.	0.	0.	0.	92.84	92.84		
80	34.26	18.11	0.	52.37	58.81	5.31	3.29	1.97	0.	0.	0.	0.	0.	0.	121.74	121.74		
81	41.26	22.86	0.	64.13	72.25	6.85	4.35	2.70	0.	0.	0.	0.	0.	0.	150.28	150.28		
82	48.00	27.80	0.	75.80	85.22	8.48	5.48	3.49	0.	0.	0.	0.	0.	0.	178.46	178.46		
83	54.51	32.87	0.	87.38	97.71	10.21	6.66	4.34	0.	0.	0.	0.	0.	0.	206.31	206.31		
84	60.82	38.06	0.	98.88	109.74	12.02	7.91	5.26	0.	0.	0.	0.	0.	0.	233.81	233.81		
85	66.95	43.33	0.	110.28	121.33	13.92	9.22	6.23	0.	0.	0.	0.	0.	0.	260.99	260.99		
A-373	86	72.94	48.66	0.	121.59	132.46	15.90	10.59	7.25	0.19	0.19	0.	0.	0.	287.80	287.80		
	87	78.79	54.02	0.	132.81	143.16	18.02	11.77	8.18	0.39	0.39	0.	0.	0.	313.93	313.93		
	88	84.53	59.39	0.	143.93	153.43	20.26	12.94	9.10	0.59	0.59	0.	0.	0.	339.66	339.66		
	89	90.19	64.76	0.	154.94	163.31	22.62	14.13	10.01	0.79	0.79	0.	0.	0.	365.01	365.01		
	90	95.76	70.10	0.	165.86	172.80	25.09	15.32	10.92	0.99	0.99	0.	0.	0.	389.99	389.99		
	91	101.65	75.41	0.	177.06	181.91	27.62	16.72	11.92	1.27	1.27	0.	0.	0.	415.23	415.23		
	92	107.62	80.54	0.	188.16	190.64	30.22	18.06	12.89	1.57	1.57	0.	0.	0.	439.97	439.97		
	93	113.67	85.50	0.	199.17	199.01	32.88	19.39	13.86	1.87	1.87	0.	0.	0.	464.31	464.31		
	94	119.70	90.40	0.	210.11	207.04	35.60	20.74	14.82	2.18	2.18	0.	0.	0.	488.30	488.30		
	95	125.82	95.18	0.	221.00	214.74	38.36	22.06	15.78	2.49	2.49	0.	0.	0.	511.94	511.94		
	96	132.02	99.82	0.	231.84	222.14	41.15	23.45	16.77	2.83	2.83	0.	0.	0.	535.35	535.35		
	97	138.31	104.36	0.	242.67	229.27	43.95	24.79	17.76	3.18	3.18	0.	0.	0.	558.44	558.44		
	98	144.67	108.81	0.	253.48	236.14	46.77	26.11	18.73	3.55	3.55	0.	0.	0.	581.22	581.22		
	99	151.11	113.19	0.	264.30	242.76	49.58	27.39	19.71	3.92	3.92	0.	0.	0.	603.74	603.74		
	00	157.62	117.49	0.	275.12	249.20	52.38	28.64	20.68	4.31	4.31	0.	0.	0.	626.01	626.01		
	01	159.57	124.18	0.	283.75	255.15	55.25	30.30	21.75	4.73	4.73	0.	0.	0.	646.20	646.20		
	02	161.55	131.02	0.	292.57	260.66	58.20	32.03	22.86	5.15	5.15	0.	0.	0.	666.31	666.31		
	03	163.51	137.77	0.	301.28	265.77	61.20	33.78	23.98	5.59	5.59	0.	0.	0.	686.01	686.01		
	04	165.81	144.01	0.	309.81	270.56	64.22	35.59	25.09	6.04	6.04	0.	0.	0.	705.27	705.27		
	05	168.08	150.17	0.	318.24	274.98	67.29	37.47	26.19	6.52	6.52	0.	0.	0.	724.18	724.18		
	06	170.32	156.25	0.	326.57	279.05	70.41	39.48	27.30	7.03	7.03	0.	0.	0.	742.81	742.81		
	07	172.92	161.82	0.	334.74	282.91	73.53	41.45	28.37	7.57	7.57	0.	0.	0.	761.00	761.00		
	08	175.20	166.71	0.	341.91	286.62	76.65	43.45	29.41	8.14	8.14	0.	0.	0.	778.04	778.04		
	09	177.44	171.50	0.	348.94	290.18	79.76	45.52	30.44	8.73	8.73	0.	0.	0.	794.84	794.84		
	10	179.63	176.20	0.	355.83	293.61	82.86	47.65	31.45	9.35	9.35	0.	0.	0.	811.41	811.41		
	11	181.79	180.80	0.	362.59	296.90	85.94	49.80	32.46	9.99	9.99	0.	0.	0.	827.77	827.77		
	12	183.90	185.32	0.	369.22	300.08	88.99	52.20	33.45	10.66	10.66	0.	0.	0.	843.94	843.94		
	13	185.98	189.74	0.	375.72	303.14	92.02	54.64	34.43	11.37	11.37	0.	0.	0.	859.95	859.95		
	14	188.01	194.41	0.	382.42	306.09	95.01	57.11	35.44	12.13	12.13	0.	0.	0.	876.06	876.06		
	15	190.01	199.11	0.	389.13	308.94	97.96	59.66	36.44	12.94	12.94	0.	0.	0.	892.12	892.12		

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PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

ECONOMIC COST CASE																		
YR	CAPITAL INVESTMENTS				EXPENSES												TOTALS	
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR				FBR								
						FUEL O&M	FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES	WITH PU	W+O PU		
77	11.45	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.	0.	0.	0.	33.95	33.95	
78	19.44	9.17	0.	28.61	30.43	2.49	1.34	0.70	0.	0.	0.	0.	0.	0.	0.	63.56	63.56	
79	26.96	13.58	0.	40.54	44.87	3.85	2.29	1.30	0.	0.	0.	0.	0.	0.	0.	92.84	92.84	
80	34.26	18.11	0.	52.37	58.81	5.31	3.29	1.97	0.	0.	0.	0.	0.	0.	0.	121.74	121.74	
81	41.28	22.86	0.	64.13	72.25	6.85	4.35	2.70	0.	0.	0.	0.	0.	0.	0.	150.28	150.28	
82	48.00	27.80	0.	75.80	85.22	8.48	5.48	3.49	0.	0.	0.	0.	0.	0.	0.	178.46	178.46	
83	54.51	32.87	0.	87.38	97.71	10.21	6.66	4.34	0.	0.	0.	0.	0.	0.	0.	206.31	206.31	
84	60.82	38.06	0.	98.88	109.74	12.02	7.91	5.26	0.	0.	0.	0.	0.	0.	0.	233.81	233.81	
85	66.95	43.33	0.	110.28	121.33	13.92	9.22	6.23	0.	0.	0.	0.	0.	0.	0.	260.99	260.99	
86	72.94	48.66	0.	121.59	132.46	15.90	10.59	7.25	0.19	0.19	0.	0.	0.	0.	0.	287.80	287.80	
87	78.79	54.02	0.	132.81	143.16	18.02	11.77	8.18	0.39	0.39	0.	0.	0.	0.	0.	313.93	313.93	
88	84.53	59.39	0.	143.93	153.43	20.26	12.94	9.10	0.59	0.59	0.	0.	0.	0.	0.	339.66	339.66	
89	90.19	64.76	0.	154.94	163.31	22.62	14.13	10.01	0.79	0.79	0.	0.	0.	0.	0.	365.01	365.01	
90	95.76	70.10	0.	165.86	172.80	25.09	15.32	10.92	0.99	0.99	0.	0.	0.	0.	0.	389.99	389.99	
91	101.65	75.41	0.	177.06	181.91	27.62	16.72	11.92	1.27	1.27	0.	0.	0.	0.	0.	415.23	415.23	
92	107.62	80.54	0.	188.16	190.64	30.22	18.06	12.89	1.57	1.57	0.	0.	0.	0.	0.	439.97	439.97	
93	113.67	85.50	0.	199.17	199.01	32.88	19.39	13.86	1.87	1.87	0.	0.	0.	0.	0.	464.31	464.31	
94	119.70	90.40	0.	210.11	207.04	35.60	20.74	14.82	2.18	2.18	0.	0.	0.	0.	0.	488.30	488.30	
95	125.82	95.18	0.	221.00	214.74	38.36	22.06	15.78	2.49	2.49	0.	0.	0.	0.	0.	511.94	511.94	
96	132.02	99.82	0.	231.84	222.14	41.18	23.45	16.77	2.83	2.83	0.	0.	0.	0.	0.	535.35	535.35	
97	138.31	104.36	0.	242.67	229.27	43.95	24.79	17.76	3.18	3.18	0.	0.	0.	0.	0.	558.44	558.44	
98	144.67	108.81	0.	253.48	236.14	46.77	26.11	18.73	3.55	3.55	0.	0.	0.	0.	0.	581.22	581.22	
99	151.11	113.19	0.	264.30	242.76	49.58	27.39	19.71	3.92	3.92	0.	0.	0.	0.	0.	603.74	603.74	
00	157.62	117.49	0.	275.12	249.20	52.38	28.64	20.68	4.31	4.31	0.	0.	0.	0.	0.	626.01	626.01	
01	159.57	124.18	0.	283.75	255.15	55.25	30.30	21.75	4.73	4.73	0.	0.	0.	0.	0.	646.20	646.20	
02	161.55	131.02	0.	292.57	260.66	58.20	32.03	22.86	5.15	5.15	0.	0.	0.	0.	0.	666.31	666.31	
03	163.51	137.77	0.	301.28	265.77	61.20	33.78	23.98	5.59	5.59	0.	0.	0.	0.	0.	686.01	686.01	
04	165.81	144.01	0.	309.81	270.56	64.22	35.59	25.09	6.04	6.04	0.	0.	0.	0.	0.	705.27	705.27	
05	168.08	150.17	0.	318.24	274.98	67.29	37.47	26.19	6.52	6.52	0.	0.	0.	0.	0.	724.18	724.18	
06	170.32	156.25	0.	326.57	279.05	70.41	39.48	27.30	7.03	7.03	0.	0.	0.	0.	0.	742.81	742.81	
07	172.92	161.82	0.	334.74	282.91	73.53	41.45	28.37	7.57	7.57	0.	0.	0.	0.	0.	761.00	761.00	
08	175.20	166.71	0.	341.91	286.62	76.65	43.45	29.41	8.14	8.14	0.	0.	0.	0.	0.	778.04	778.04	
09	177.44	171.50	0.	348.94	290.18	79.76	45.52	30.44	8.73	8.73	0.	0.	0.	0.	0.	794.84	794.84	
10	179.63	176.20	0.	355.83	293.61	82.86	47.65	31.45	9.35	9.35	0.	0.	0.	0.	0.	811.41	811.41	
11	181.79	180.80	0.	362.59	296.90	85.94	49.88	32.46	9.99	9.99	0.	0.	0.	0.	0.	827.77	827.77	
12	183.90	185.32	0.	369.22	300.08	88.99	52.20	33.45	10.66	10.66	0.	0.	0.	0.	0.	843.94	843.94	
13	185.98	189.74	0.	375.72	303.14	92.02	54.64	34.43	11.37	11.37	0.	0.	0.	0.	0.	859.95	859.95	
14	188.01	194.41	0.	382.42	306.09	95.01	57.11	35.44	12.13	12.13	0.	0.	0.	0.	0.	876.06	876.06	
15	190.01	199.11	0.	389.13	309.94	97.96	59.66	36.44	12.94	12.94	0.	0.	0.	0.	0.	892.12	892.12	

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16	191.98	203.96	0.	395.94	311.70	100.85	62.29	37.44	13.85	13.85	0.	0.	0.	908.22	908.22
17	194.03	208.69	0.	402.72	314.39	103.69	65.30	38.47	14.90	14.90	0.	0.	0.	924.57	924.57
18	196.42	212.79	0.	409.20	317.08	106.44	68.39	39.43	16.11	16.11	0.	0.	0.	940.54	940.54
19	198.76	216.80	0.	415.56	319.75	109.12	71.57	40.35	17.44	17.44	0.	0.	0.	956.36	956.36
20	201.06	220.74	0.	421.81	322.41	111.73	74.88	41.22	18.89	18.89	0.	0.	0.	972.05	972.05
21	201.06	220.74	0.	421.81	324.88	114.16	77.57	41.90	20.46	20.46	0.	0.	0.	980.30	980.30
22	201.06	220.74	0.	421.81	327.16	116.42	80.15	42.51	22.00	22.00	0.	0.	0.	988.04	988.04
23	201.06	220.74	0.	421.81	329.26	118.53	82.60	43.07	23.52	23.52	0.	0.	0.	995.25	995.25
24	201.06	220.74	0.	421.81	331.19	120.48	84.92	43.57	25.00	25.00	0.	0.	0.	1001.96	1001.96
25	201.06	220.74	0.	421.81	332.95	122.30	87.09	44.03	26.41	26.41	0.	0.	0.	1008.17	1008.17
26	201.06	220.74	0.	421.81	334.56	123.98	89.05	44.44	27.75	27.75	0.	0.	0.	1013.83	1013.83
27	201.06	220.74	0.	421.81	336.01	125.54	90.88	44.82	29.00	29.00	0.	0.	0.	1019.05	1019.05
28	201.06	220.74	0.	421.81	337.31	126.98	92.58	45.17	30.15	30.15	0.	0.	0.	1023.85	1023.85
29	201.06	220.74	0.	421.81	338.48	128.31	94.16	45.48	31.22	31.22	0.	0.	0.	1028.25	1028.25
30	201.06	220.74	0.	421.81	339.50	129.55	95.66	45.78	32.21	32.21	0.	0.	0.	1032.29	1032.29
31	201.06	220.74	0.	421.81	340.46	130.66	96.84	46.04	33.13	33.13	0.	0.	0.	1035.80	1035.80
32	201.06	220.74	0.	421.81	341.36	131.67	97.84	46.27	33.97	33.97	0.	0.	0.	1038.94	1038.94
33	201.06	220.74	0.	421.81	342.20	132.58	98.71	46.47	34.76	34.76	0.	0.	0.	1041.76	1041.76
34	201.06	220.74	0.	421.81	342.98	133.39	99.48	46.65	35.47	35.47	0.	0.	0.	1044.30	1044.30
35	201.06	220.74	0.	421.81	343.70	134.11	100.14	46.80	36.13	36.13	0.	0.	0.	1046.55	1046.55
36	201.06	220.74	0.	421.81	344.36	134.75	100.69	46.93	36.73	36.73	0.	0.	0.	1048.54	1048.54
37	201.06	220.74	0.	421.81	344.96	135.31	101.16	47.05	37.28	37.28	0.	0.	0.	1050.29	1050.29
38	201.06	220.74	0.	421.81	345.51	135.81	101.57	47.15	37.77	37.77	0.	0.	0.	1051.84	1051.84
39	201.06	220.74	0.	421.81	345.99	136.24	101.91	47.23	38.22	38.22	0.	0.	0.	1053.19	1053.19
40	201.06	220.74	0.	421.81	346.43	136.62	102.18	47.30	38.62	38.62	0.	0.	0.	1054.34	1054.34
41	201.06	220.74	0.	421.81	346.82	136.94	102.37	47.36	38.98	38.98	0.	0.	0.	1055.31	1055.31
42	201.06	220.74	0.	421.81	347.16	137.21	102.49	47.41	39.30	39.30	0.	0.	0.	1056.08	1056.08
43	201.06	220.74	0.	421.81	347.46	137.43	102.55	47.44	39.78	39.78	0.	0.	0.	1056.69	1056.69
44	201.06	220.74	0.	421.81	347.72	137.59	102.55	47.45	40.32	40.32	0.	0.	0.	1057.13	1057.13
45	201.06	220.74	0.	421.81	347.94	137.72	102.55	47.46	40.88	40.88	0.	0.	0.	1057.48	1057.48
46	201.06	220.74	0.	421.81	348.12	137.81	102.55	47.46	41.38	41.38	0.	0.	0.	1057.76	1057.76
47	201.06	220.74	0.	421.81	348.27	137.88	102.55	47.46	41.86	41.86	0.	0.	0.	1057.97	1057.97
48	201.06	220.74	0.	421.81	348.36	137.92	102.55	47.46	42.29	42.22	0.	0.	0.	1058.04	1058.11
49	201.06	220.74	0.	421.81	348.41	137.94	102.55	47.46	42.67	42.57	0.	0.	0.	1058.07	1058.17
50	201.06	220.74	0.	421.81	348.41	137.94	102.55	47.46	43.00	42.86	0.	0.	0.	1058.04	1058.17

DTA CALL NO.....1

INPUT EDITS

CRD NO....1 (CASE # 9 , LWR AND IITGR-HC -- WITH REPROCESSING) \$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1 = 2051.0 , IBTOPW = 1977 \$
 CRD NO....4 CPUINV = 0.000738 \$
 CRD NO....5 PWSFI = 0.02255 \$
 CRD NO....6 SPECIF(1) = 1120. , 1120. \$
 CRD NO....7 BUPRLD(1) = 1161111. , 1161111. \$
 CRD NO....8 EFFICY(1) = .38. , .38 \$
 CRD NO....9 PURCIN = 693.2 \$
 CRD NO....10 PURCDC = 861.2 \$
 CRD NO....11 PURPCR(30) = 0.1005 , PURPCR(121) = 0.1005 \$
 CRD NO....12 PURPIS(30) = 0.01115 , PURPIS(121) = 0.01115 \$
 CRD NO....13 PWRPUP(40) = 0.204 , PWRPUP(121) = 0.204 \$
 CRD NO....14 PWRDEC(30) = 0.02119 , PWRDEC(121) = 0.02119 \$
 CRD NO....15 PWRIEC(30) = 0.01387 , PWRIEC(121) = 0.01387 \$
 CRD NO....16 PWRDUC(30) = 0.04155 , PWRDUC(121) = 0.04155 \$
 CRD NO....17 PWRIUC(30) = 0.03643 , PWRIUC(121) = 0.03643 \$
 CRD NO....18 EPNINT(1) = .93. , .93 \$
 CRD NO....19 EPNRLO(1) = .93. , .93 \$
 CRD NO....20 EPNOUT(1) = .50. , .50 \$
 CRD NO....21 PWRFAB(30) = 1.01 , PWRFAB(121) = 1.01 \$
 CRD NO....22 PURFAB(30) = 1.65 , PURFAB(121) = 1.65 \$
 CRD NO....23 PWRREC(30) = 0.916 , PWRREC(121) = 0.916 \$
 CRD NO....24 PURREC(30) = 0.916 , PURREC(121) = 0.916 \$
 CRD NO....25 LFYUR = 1995 , LFYPUR = 1995 \$
 CRD NO....26 RL21 = 0.70 , RL31 = 0.70 \$ \$
 DTA CALL NO.....2 INPUT EDITS

00003840
 00003850
 00003860
 00003870
 00003880
 00003890
 00003900
 00003910
 00003920
 00003930
 00003940
 00003950
 00003960
 00003970
 00003980
 00003990
 00004000
 00004010
 00004020
 00004030
 00004040
 00004050
 00004060
 00004070
 00003805
 00004080

00004090

CRD NO....1 \$ \$

NCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	768.8	623.7	993.6	0.	1761.24	3675.01	1041.29
2	1048.0	577.6	760.3	0.	1645.70	3076.66	1041.29
3	995.8	600.2	790.0	0.	1586.39	3168.39	1041.29
4	986.7	603.1	796.2	0.	1550.65	3109.11	1041.29
5	986.7	603.1	796.2	0.	1527.15	3109.11	1041.29

A-376

A-377

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(THOUSANDS OF MW)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	36.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	15.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.8	56.	14.7	252.	0.	0.
95	940.	34.9	609.	1.0	1.	0.1	0.	0.9	1.	21.5	329.	17.5	64.	13.8	265.	0.	0.
96	987.	37.5	633.	2.0	3.	0.1	0.	1.9	3.	21.0	350.	18.5	68.	16.6	282.	0.	0.
97	1036.	40.3	660.	4.0	7.	0.2	1.	3.8	7.	19.5	369.	21.8	74.	13.5	295.	0.	0.
98	1088.	43.3	688.	6.0	13.	0.4	1.	5.6	12.	18.0	387.	23.1	81.	11.4	306.	0.	0.
99	1142.	46.4	718.	9.0	22.	0.7	1.	8.5	21.	15.5	401.	24.3	87.	8.7	314.	0.	0.
00	1199.	49.8	753.	12.0	34.	1.3	3.	10.8	32.	13.0	412.	25.4	94.	6.1	318.	0.	0.
01	1241.	15.7	753.	0.	34.	2.2	5.	0.	30.	45.2	454.	26.4	99.	40.3	355.	0.	0.
02	1285.	17.0	753.	0.	34.	3.3	8.	0.	27.	48.9	497.	28.1	104.	43.9	393.	0.	0.
03	1330.	21.1	759.	0.	34.	3.3	10.	0.	24.	47.9	536.	30.9	111.	41.3	426.	0.	0.
04	1376.	22.1	766.	0.	34.	3.2	12.	0.	22.	50.1	575.	33.6	119.	42.0	456.	0.	0.
05	1424.	23.2	769.	0.	34.	3.4	13.	0.	21.	52.5	621.	35.9	129.	42.9	493.	0.	0.
06	1474.	24.4	771.	0.	34.	3.9	14.	0.	20.	54.9	669.	38.1	138.	45.0	531.	0.	0.
07	1526.	29.8	777.	0.	34.	4.6	15.	0.	19.	53.4	714.	40.9	148.	43.3	566.	0.	0.
08	1579.	27.8	788.	0.	34.	4.4	16.	0.	18.	49.6	757.	44.4	159.	38.8	597.	0.	0.
09	1634.	28.9	800.	0.	34.	4.0	17.	0.	17.	51.8	800.	47.6	171.	39.8	629.	0.	0.
10	1691.	30.0	813.	0.	34.	3.7	17.	0.2	17.	53.5	845.	50.5	184.	41.1	661.	0.	0.
11	1751.	31.3	827.	0.	34.	3.5	16.	1.1	18.	55.6	890.	53.3	196.	43.2	694.	0.	0.
12	1812.	32.5	841.	28.2	62.	3.4	15.	29.2	48.	29.6	909.	56.5	208.	17.5	701.	0.	0.
13	1875.	33.8	856.	48.6	111.	3.4	14.	49.2	97.	11.5	908.	60.1	221.	0.	688.	0.	0.
14	1941.	35.2	873.	62.4	173.	6.2	17.	59.9	157.	0.	895.	62.1	232.	0.	663.	0.	0.
15	2009.	36.6	890.	64.9	238.	11.0	24.	57.4	214.	0.	801.	62.9	242.	0.	640.	0.	0.
16	2079.	38.1	907.	67.4	306.	16.9	38.	53.9	268.	0.	866.	63.0	248.	0.	618.	0.	0.
17	2152.	39.6	926.	70.1	376.	22.6	57.	51.0	319.	0.	850.	63.4	251.	0.	599.	0.	0.
18	2227.	41.2	946.	72.9	449.	28.0	78.	51.1	370.	0.	833.	64.1	253.	0.	580.	0.	0.
19	2305.	42.9	966.	75.8	524.	35.4	103.	51.4	422.	0.	815.	64.1	255.	0.	561.	0.	0.
20	2386.	44.7	987.	78.8	603.	41.4	130.	51.3	473.	0.	796.	63.8	255.	0.	541.	0.	0.
21	2339.	0.	960.	0.	603.	54.2	162.	0.	441.	0.	776.	62.5	254.	0.9	522.	0.	0.
22	2290.	0.	931.	0.	603.	63.9	198.	0.	405.	0.	756.	61.6	252.	2.4	504.	0.	0.
23	2239.	0.	901.	0.	603.	65.0	227.	0.	376.	0.	735.	60.9	248.	3.1	486.	0.	0.

24	2184.	0.	868.	0.	603.	65.5	249.	0.	354.	0.	713.	60.0	245.	3.5	468.	0.	0.
25	2127.	0.	833.	0.	602.	66.7	261.	0.	341.	0.	691.	58.7	241.	3.8	450.	0.	0.
26	2066.	0.	796.	0.	600.	68.7	266.	0.	334.	0.	670.	57.2	237.	4.4	433.	0.	0.
27	2002.	0.	755.	0.	596.	71.4	272.	0.	324.	0.	651.	55.8	232.	5.1	419.	0.	0.
28	1935.	0.	712.	0.	590.	68.2	275.	0.	315.	0.	633.	54.6	226.	5.4	406.	0.	0.
29	1864.	0.	666.	0.	581.	64.3	273.	2.3	308.	0.	617.	53.3	221.	5.4	396.	0.	0.
30	1789.	0.	616.	0.	569.	61.1	265.	7.6	304.	0.	604.	52.0	216.	5.2	389.	0.	0.
31	1728.	0.	600.	0.	569.	58.8	252.	12.7	317.	0.	559.	50.7	210.	5.2	349.	0.	0.
32	1663.	0.	583.	0.	569.	57.3	242.	11.0	328.	0.	510.	49.5	205.	5.0	305.	0.	0.
33	1594.	0.	562.	0.	569.	58.0	235.	6.4	334.	0.	462.	46.7	199.	6.6	263.	0.	0.
34	1521.	0.	540.	0.	569.	58.2	232.	2.9	337.	0.	412.	43.7	191.	8.2	222.	0.	0.
35	1446.	0.	517.	0.	569.	58.2	232.	0.6	337.	0.	360.	40.8	181.	9.8	179.	0.	0.
36	1366.	0.	492.	0.	569.	57.9	232.	0.	337.	0.	305.	37.9	169.	11.6	136.	0.	0.
37	1283.	0.	463.	0.	569.	57.6	232.	0.3	337.	0.	251.	35.0	157.	11.7	94.	0.	0.
38	1206.	0.	435.	0.	569.	58.6	232.	0.	337.	0.	202.	31.3	145.	12.5	57.	0.	0.
39	1125.	0.	406.	0.	569.	59.5	234.	0.	336.	0.	150.	27.5	132.	13.3	19.	0.	0.
40	1042.	0.	376.	0.	569.	60.0	236.	0.	333.	0.	97.	2.9	97.	13.9	0.	0.	0.
41	955.	0.	345.	0.	569.	60.1	238.	0.	331.	0.	41.	-20.6	41.	0.	0.	0.	0.
42	865.	0.	312.	0.	541.	59.9	239.	0.	302.	0.	11.	1.6	11.	0.	0.	0.	0.
43	771.	0.	278.	0.	492.	59.6	240.	0.	253.	0.	0.	16.0	0.	0.	0.	0.	0.
44	673.	0.	243.	0.	430.	56.7	236.	3.2	194.	0.	0.	2.9	0.	0.	0.	0.	0.
45	572.	0.	207.	0.	365.	51.9	228.	8.2	137.	0.	0.	-20.6	0.	0.	0.	0.	0.
46	466.	0.	168.	0.	298.	45.9	214.	14.0	83.	0.	0.	1.6	0.	0.	0.	0.	0.
47	356.	0.	129.	0.	227.	40.1	195.	19.5	33.	0.	0.	16.0	0.	0.	0.	0.	0.
48	242.	0.	88.	0.	155.	16.7	155.	0.	0.	0.	0.	2.9	0.	0.	0.	0.	0.
49	123.	0.	45.	0.	79.	0.	79.	0.	0.	0.	0.	-20.6	0.	0.	0.	0.	0.
50	0.	0.	-0.	0.	0.	0.	0.	0.	0.	0.	0.	1.6	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

YR	CAPITAL INVESTMENTS				EXPENSES										
*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
	FOSSIL	HTGR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS	
	*****	*****	*****	*****	*****	FABRICATION	*****	*****	*****	FABRICATION	*****	*****	*****	*****	*****
						RECOVERY	*****	*****	*****	RECOVERY	*****	*****	*****	*****	*****
						O&M	*****	*****	*****	O&M	*****	*****	*****	*****	*****
							URANIUM	PU	PU		PU	PU		WITH	W+O
							FEED	SALES	PURCHASES		SALES	PURCHASES		PU	PU
							SEP WK								
77	11.46	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.	0.	33.95	33.95
78	19.44	9.17	0.	28.61	30.43	2.49	1.34	0.70	0.	0.	0.	0.	0.	63.56	63.56
79	26.96	13.58	0.	40.54	44.87	3.86	2.29	1.30	0.	0.	0.	0.	0.	92.85	92.85
80	34.26	18.11	0.	52.37	58.81	5.31	3.29	1.97	0.	0.	0.	0.	0.	121.75	121.75
81	41.26	22.86	0.	64.13	72.25	6.86	4.35	2.70	0.	0.	0.	0.	0.	150.28	150.28
82	48.00	27.80	0.	75.80	85.22	8.49	5.48	3.49	0.	0.	0.	0.	0.	178.47	178.47
83	54.51	32.87	0.	87.38	97.71	10.21	6.66	4.34	0.	0.	0.	0.	0.	206.31	206.31
84	60.82	38.06	0.	98.88	109.74	12.03	7.91	5.26	0.	0.	0.	0.	0.	233.82	233.82
85	66.95	43.33	0.	110.28	121.33	13.83	9.22	6.23	0.	0.	0.	0.	0.	261.00	261.00
86	72.94	48.68	0.	121.59	132.46	15.91	10.59	7.25	0.19	0.19	0.	0.	0.	287.81	287.81
87	78.79	54.02	0.	132.81	143.16	18.03	11.77	8.18	0.39	0.39	0.	0.	0.	313.94	313.94
88	84.53	59.39	0.	143.93	153.43	20.27	12.94	9.10	0.59	0.59	0.	0.	0.	339.67	339.67
89	90.19	64.76	0.	154.94	163.31	22.63	14.13	10.01	0.79	0.79	0.	0.	0.	365.02	365.02
90	95.76	70.10	0.	165.86	172.80	25.10	15.32	10.92	0.99	0.99	0.	0.	0.	390.00	390.00
91	101.65	75.41	0.	177.06	181.91	27.63	16.72	11.92	1.27	1.27	0.	0.	0.	415.24	415.24
92	107.62	80.54	0.	188.16	190.64	30.23	18.06	12.89	1.57	1.57	0.	0.	0.	439.98	439.98
93	113.67	85.50	0.	199.17	199.01	32.89	19.39	13.86	1.87	1.87	0.	0.	0.	464.32	464.32
94	119.70	90.40	0.	210.11	207.04	35.61	20.74	14.82	2.18	2.18	0.	0.	0.	488.31	488.31
95	125.82	95.18	0.	221.00	214.74	38.38	22.07	15.79	2.49	2.49	0.	0.	0.	511.97	511.97
96	132.02	99.82	0.	231.84	222.14	41.17	23.47	16.79	2.84	2.84	0.	0.	0.	535.41	535.41
97	138.31	104.36	0.	242.67	229.27	43.98	24.84	17.80	3.20	3.20	0.	0.	0.	558.56	558.56
98	144.67	108.81	0.	253.48	236.14	46.81	26.20	18.81	3.57	3.57	0.	0.	0.	581.44	581.44
99	151.11	113.19	0.	264.30	242.76	49.64	27.54	19.84	3.96	3.96	0.	0.	0.	604.09	604.09
00	157.62	117.49	0.	275.12	249.20	52.47	28.86	20.87	4.38	4.38	0.	0.	0.	626.52	626.52
01	159.57	124.18	0.	283.75	255.15	55.38	30.52	21.94	4.84	4.84	0.	0.	0.	646.74	646.74
02	161.55	131.02	0.	292.57	260.66	58.35	32.25	23.06	5.31	5.31	0.	0.	0.	666.89	666.89
03	163.87	137.34	0.	301.21	265.80	61.37	33.97	24.16	5.78	5.78	0.	0.	0.	686.51	686.51
04	166.17	143.57	0.	309.74	270.63	64.41	35.77	25.26	6.28	6.28	0.	0.	0.	705.81	705.81
05	168.44	149.73	0.	318.17	275.09	67.49	37.66	26.35	6.80	6.80	0.	0.	0.	724.76	724.76
06	170.68	155.82	0.	326.50	279.19	70.61	39.66	27.46	7.37	7.37	0.	0.	0.	743.42	743.42
07	173.27	161.39	0.	334.67	283.08	73.75	41.63	28.52	7.96	7.96	0.	0.	0.	761.65	761.65
08	175.56	166.28	0.	341.84	286.82	76.88	43.63	29.55	8.57	8.57	0.	0.	0.	778.72	778.72
09	177.79	171.07	0.	348.87	290.41	80.00	45.69	30.57	9.19	9.19	0.	0.	0.	795.54	795.54
10	179.99	175.77	0.	355.76	293.86	83.11	47.83	31.58	9.84	9.84	0.	0.	0.	812.14	812.14
11	182.15	180.37	0.	362.52	297.18	86.20	50.06	32.58	10.51	10.51	0.	0.	0.	828.54	828.54
12	184.26	185.32	0.	369.59	300.38	89.26	52.42	33.71	11.21	11.21	0.	0.	0.	845.35	845.35
13	186.34	190.46	0.	376.80	303.46	92.30	54.92	34.90	12.00	12.00	0.	0.	0.	862.39	862.39
14	188.37	195.67	0.	384.04	306.44	95.31	57.67	36.14	12.93	12.93	0.	0.	0.	879.60	879.60
15	190.37	200.77	0.	391.14	309.31	98.29	60.46	37.33	14.02	14.02	0.	0.	0.	896.53	896.53

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16	192.33	205.78	0.	398.11	312.09	101.23	63.36	38.45	15.28	15.28	0.	0.	0.	913.24	913.24
17	194.26	210.68	0.	404.95	314.78	104.14	66.51	39.53	16.75	16.75	0.	0.	0.	929.91	929.91
18	196.15	215.50	0.	411.65	317.39	107.00	69.87	40.58	18.43	18.43	0.	0.	0.	946.49	946.49
19	198.01	220.22	0.	418.23	319.92	109.82	73.41	41.59	20.36	20.36	0.	0.	0.	962.98	962.98
20	199.83	224.85	0.	424.68	322.38	112.60	77.11	42.57	22.53	22.53	0.	0.	0.	979.35	979.35
21	199.83	224.85	0.	424.68	324.64	115.19	79.79	43.25	24.93	24.93	0.	0.	0.	987.56	987.56
22	199.83	224.85	0.	424.68	326.73	117.62	82.37	43.87	27.30	27.30	0.	0.	0.	995.27	995.27
23	199.83	224.85	0.	424.68	328.65	119.68	84.79	44.42	29.62	29.62	0.	0.	0.	1002.42	1002.42
24	199.83	224.85	0.	424.68	330.41	121.90	87.01	44.91	31.86	31.86	0.	0.	0.	1008.99	1008.99
25	199.83	224.85	0.	424.68	332.01	123.93	89.03	45.35	34.01	34.01	0.	0.	0.	1015.00	1015.00
26	199.83	224.85	0.	424.68	333.47	125.74	90.83	45.74	36.10	36.10	0.	0.	0.	1020.46	1020.46
27	199.83	224.85	0.	424.68	334.77	127.42	92.50	46.10	38.03	38.03	0.	0.	0.	1025.48	1025.48
28	199.83	224.85	0.	424.68	335.94	128.98	94.03	46.42	39.79	39.79	0.	0.	0.	1030.06	1030.06
29	199.83	224.85	0.	424.68	336.97	130.42	95.47	46.72	41.40	41.40	0.	0.	0.	1034.26	1034.26
30	199.83	224.85	0.	424.68	337.86	131.75	96.87	47.01	42.87	42.87	0.	0.	0.	1038.17	1038.17
31	199.83	224.85	0.	424.68	338.70	132.95	98.04	47.28	44.23	44.23	0.	0.	0.	1041.66	1041.66
32	199.83	224.85	0.	424.68	339.49	134.04	99.03	47.52	45.51	45.51	0.	0.	0.	1044.76	1044.76
33	199.83	224.85	0.	424.68	340.21	135.03	99.09	47.72	46.70	46.70	0.	0.	0.	1047.53	1047.53
34	199.83	224.85	0.	424.68	340.88	135.92	100.60	47.90	47.81	47.81	0.	0.	0.	1049.97	1049.97
35	199.83	224.85	0.	424.68	341.49	136.71	101.19	48.05	48.84	48.84	0.	0.	0.	1052.12	1052.12
36	199.83	224.85	0.	424.68	342.05	137.42	101.67	48.18	49.79	49.79	0.	0.	0.	1054.00	1054.00
37	199.83	224.85	0.	424.68	342.55	138.04	102.07	48.29	50.67	50.67	0.	0.	0.	1055.64	1055.64
38	199.83	224.85	0.	424.68	343.00	138.60	102.42	48.38	51.49	51.49	0.	0.	0.	1057.09	1057.09
39	199.83	224.85	0.	424.68	343.40	139.09	102.70	48.46	52.25	52.25	0.	0.	0.	1058.34	1058.34
40	199.83	224.85	0.	424.68	343.75	139.51	102.91	48.53	53.07	53.07	0.	0.	0.	1059.39	1059.39
41	199.83	224.85	0.	424.68	344.06	139.87	102.97	48.58	54.04	54.04	0.	0.	0.	1060.16	1060.16
42	199.83	224.85	0.	424.68	344.32	140.17	102.98	48.61	55.02	55.02	0.	0.	0.	1060.76	1060.76
43	199.83	224.85	0.	424.68	344.55	140.42	102.98	48.61	55.92	55.92	0.	0.	0.	1061.24	1061.24
44	199.83	224.85	0.	424.68	344.74	140.63	102.98	48.61	56.71	56.71	0.	0.	0.	1061.63	1061.63
45	199.83	224.85	0.	424.68	344.89	140.79	102.98	48.61	57.45	57.45	0.	0.	0.	1061.95	1061.95
46	199.83	224.85	0.	424.68	345.01	140.93	102.98	48.61	58.11	58.11	0.	0.	0.	1062.20	1062.20
47	199.83	224.85	0.	424.68	345.09	141.02	102.98	48.61	58.66	58.66	0.	0.	0.	1062.27	1062.39
48	199.83	224.85	0.	424.68	345.15	141.09	102.98	48.61	59.13	58.86	0.	0.	0.	1062.24	1062.50
49	199.83	224.85	0.	424.68	345.17	141.12	102.98	48.61	59.56	59.20	0.	0.	0.	1062.19	1062.56
50	199.83	224.85	0.	424.68	345.17	141.12	102.98	48.61	59.95	59.51	0.	0.	0.	1062.12	1062.56

CRD NO....1 (CASE #10 , LWR AND PBR-78 WITH REPROCESSING)\$
 CRD NO....2 A1 = 0.0 \$
 CRD NO....3 D1=2051. , IBTOPW=1977 \$
 CRD NO....4 CPUINV=0.02758 \$
 CRD NO....5 PWSFI=0.08247 \$
 CRD NO....6 SPECIF(1)=2513. ,2513. \$
 CRD NO....7 BUPRLD(1)=918000.0,918000. \$
 CRD NO....8 PURCIN=274.0 \$
 CRD NO....9 PURCDC=344.0 \$
 CRD NO...10 PURPIS(30)=0.03803,PURPIS(121)=0.03803 \$
 CRD NO...11 PURPCR(30)=0.233 ,PURPCR(121)=0.233 \$
 CRD NO...12 PWRPUP(40)=0.964,PWRPUP(121)=0.964 \$
 CRD NO...13 PWRDEC(30)=0.02674,PWRDEC(121)=0.02674 \$
 CRD NO...14 PWRIEC(30)=0.01151,PWRIEC(121)=0.01151 \$
 CRD NO...15 PWRDUC(30)=0.05305,PWRDUC(121)=0.05305 \$
 CRD NO...16 PWRIUC(30)=0.03343,PWRIUC(121)=0.03343 \$
 CRD NO...17 EPNINT(1)=0.93,0.93 \$
 CRD NO...18 EPNRLD(1)=0.93,0.93 \$
 CRD NO...19 EPNOUT(1)=0.002,0.002 \$
 CRD NO...20 PWRFAB(30)=0.835,PWRFAB(121)=0.835 \$
 CRD NO...21 PURFAB(30)=1.828,PURFAB(121)=1.828 \$
 CRD NO...22 PWRREC(30)=1.566,PWRREC(121)=1.566 \$
 CRD NO...23 PURREC(30)=1.398,PURREC(121)=1.398 \$
 CRD NO...24 LFYUR=1995 , LFYPUR=1995 \$\$
 DTA CALL NO.....8 INPUT EDITS

00004092
 00004093
 00004094
 00004095
 00004096
 00004097
 00004098
 00004099
 00004100
 00004101
 00004102
 00004103
 00004104
 00004105
 00004106
 00004107
 00004108
 00004109
 00004110
 00004111
 00004112
 00004113
 00004114
 00004115

A-381 CRD NO....1 \$\$

00004116

NCCOUNT	FOSSIL	LWR	GCR	FBR	U308	PU	SEP.WK.
1	723.7	1161.3	335.1	0.	1237.10	928.39	1041.29
2	956.4	922.1	375.8	0.	1198.40	861.12	1041.29
3	948.1	929.3	375.8	0.	1174.99	865.35	1041.29

	INST THERM	NEW FOS	INST FOS	NEW GCR	INST GCR	NEW RECYC GCR	INST RECYC GCR	NEW UFUEL GCR	INST UFUEL GCR	NEW LWR	INST LWR	NEW RECYC LWR	INST RECYC LWR	NEW UFUEL LWR	INST UFUEL LWR	NEW FAST	INST FAST
(T H O U S A N D S O F M W)																	
77	390.	22.9	335.	0.	0.	0.	0.	0.	0.	8.6	56.	0.	0.	8.6	56.	0.	0.
78	410.	16.9	347.	0.	0.	0.	0.	0.	0.	7.0	63.	0.	0.	7.0	63.	0.	0.
79	430.	16.9	359.	0.	0.	0.	0.	0.	0.	8.3	71.	0.	0.	8.3	71.	0.	0.
80	452.	17.4	372.	0.	0.	0.	0.	0.	0.	9.0	80.	0.	0.	9.0	80.	0.	0.
81	475.	17.7	384.	0.	0.	0.	0.	0.	0.	10.0	90.	0.	0.	10.0	90.	0.	0.
82	498.	18.0	397.	0.	0.	0.	0.	0.	0.	11.0	101.	0.	0.	11.0	101.	0.	0.
83	523.	18.5	410.	0.	0.	0.	0.	0.	0.	12.0	113.	0.	0.	12.0	113.	0.	0.
84	549.	19.0	423.	0.	0.	0.	0.	0.	0.	13.0	126.	0.	0.	13.0	126.	0.	0.
85	577.	19.6	437.	0.	0.	0.	0.	0.	0.	14.0	140.	0.	0.	14.0	140.	0.	0.
86	606.	20.2	450.	0.	0.	0.	0.	0.	0.	15.0	155.	0.	0.	15.0	155.	0.	0.
87	636.	21.0	465.	0.	0.	0.	0.	0.	0.	16.0	171.	7.5	8.	8.5	163.	0.	0.
88	668.	21.8	480.	0.	0.	0.	0.	0.	0.	17.0	188.	8.3	16.	8.7	172.	0.	0.
89	701.	22.7	495.	0.	0.	0.	0.	0.	0.	18.0	206.	8.8	25.	9.2	181.	0.	0.
90	736.	23.8	511.	0.	0.	0.	0.	0.	0.	19.0	225.	9.2	34.	9.8	191.	0.	0.
91	773.	26.6	528.	0.	0.	0.	0.	0.	0.	20.0	244.	9.7	38.	17.8	208.	0.	0.
92	812.	28.6	546.	0.	0.	0.	0.	0.	0.	20.5	265.	14.1	42.	14.7	223.	0.	0.
93	852.	30.7	566.	0.	0.	0.	0.	0.	0.	21.0	286.	16.5	49.	14.3	237.	0.	0.
94	895.	32.5	587.	0.	0.	0.	0.	0.	0.	22.0	308.	16.5	56.	14.7	252.	0.	0.
95	939.	34.9	609.	1.0	1.	0.3	0.	0.7	1.	21.4	329.	17.5	64.	13.6	265.	0.	0.
A-382 96	986.	37.5	633.	2.0	3.	0.3	1.	1.7	3.	20.7	350.	18.5	68.	16.3	282.	0.	0.
97	1035.	40.3	660.	4.0	7.	0.4	1.	3.6	6.	18.9	368.	21.5	74.	12.9	294.	0.	0.
98	1086.	43.3	688.	6.0	13.	0.8	2.	5.2	11.	17.1	385.	23.1	81.	10.6	304.	0.	0.
99	1139.	46.4	718.	9.0	22.	1.3	3.	8.0	19.	14.2	398.	24.2	87.	7.4	311.	0.	0.
00	1194.	49.8	753.	12.0	34.	2.7	5.	9.6	29.	11.3	407.	25.3	94.	4.5	313.	0.	0.
01	1236.	15.7	753.	0.	34.	4.3	9.	0.	25.	45.2	449.	28.2	99.	40.4	350.	0.	0.
02	1280.	17.0	753.	0.	34.	6.5	15.	0.	19.	48.9	492.	27.9	104.	44.1	389.	0.	0.
03	1325.	17.8	755.	0.	34.	8.0	19.	0.	15.	51.2	535.	30.7	110.	44.8	425.	0.	0.
04	1369.	18.7	760.	17.5	52.	5.2	22.	15.0	30.	33.6	557.	33.3	118.	25.5	439.	0.	0.
05	1411.	19.6	758.	40.4	92.	5.1	23.	39.7	69.	9.9	561.	35.8	128.	0.3	433.	0.	0.
06	1454.	20.6	756.	51.4	143.	9.6	26.	48.3	118.	0.	554.	37.1	137.	0.	417.	0.	0.
07	1497.	21.6	755.	53.9	197.	19.5	39.	40.3	158.	0.	545.	37.6	144.	0.	401.	0.	0.
08	1544.	23.9	762.	46.8	244.	29.1	63.	22.9	181.	0.	538.	38.1	149.	0.	389.	0.	0.
09	1593.	24.9	770.	48.6	293.	36.8	95.	17.0	198.	0.	530.	38.7	151.	0.	378.	0.	0.
10	1642.	25.9	779.	50.5	343.	40.7	126.	19.4	217.	0.	521.	39.3	154.	0.	367.	0.	0.
11	1694.	27.0	788.	52.4	395.	46.8	153.	25.1	242.	0.	511.	39.4	155.	0.	355.	0.	0.
12	1748.	32.5	802.	50.6	446.	57.5	182.	22.1	264.	0.	500.	39.0	156.	0.	343.	0.	0.
13	1804.	33.8	818.	52.6	499.	71.0	216.	18.2	283.	0.	488.	38.7	156.	0.0	331.	0.	0.
14	1862.	35.2	834.	54.6	553.	82.4	258.	12.9	295.	0.	475.	38.3	155.	1.0	319.	0.	0.
15	1922.	36.6	851.	56.8	610.	90.1	301.	13.5	309.	0.	461.	38.0	154.	1.4	307.	0.	0.
16	1984.	38.1	869.	59.0	669.	95.7	339.	20.8	330.	0.	446.	37.4	152.	1.6	293.	0.	0.
17	2048.	39.6	888.	61.3	730.	101.8	370.	30.5	360.	0.	430.	36.5	150.	2.2	280.	0.	0.
18	2114.	41.2	907.	63.8	794.	110.4	398.	35.8	396.	0.	413.	35.6	147.	2.7	265.	0.	0.
19	2182.	42.9	927.	66.3	860.	120.6	429.	36.8	432.	0.	395.	34.7	144.	3.3	251.	0.	0.
20	2253.	44.7	948.	68.9	929.	131.2	464.	33.4	465.	0.	378.	33.8	141.	3.6	235.	0.	0.
21	2207.	0.	921.	0.	929.	141.0	503.	0.	428.	0.	356.	32.6	137.	3.9	219.	0.	0.
22	2189.	0.	893.	0.	929.	150.3	543.	0.	386.	0.	335.	31.4	132.	4.2	203.	0.	0.
23	5.	0.	862.	0.	929.	145.5	568.	0.	361.	0.	314.	30.1	128.	4.6	186.	0.	0.

24	2051.	0.	830.	0.	929.	142.2	579.	0.	350.	0.	292.	28.7	123.	5.1	170.	0.	0.
25	1994.	0.	795.	0.	928.	143.0	581.	0.	347.	0.	271.	27.3	117.	5.3	153.	0.	0.
26	1934.	0.	757.	0.	926.	146.7	577.	3.6	349.	0.	250.	25.9	112.	5.5	138.	0.	0.
27	1871.	0.	717.	0.	922.	151.7	584.	0.	339.	0.	231.	24.4	106.	5.7	125.	0.	0.
28	1804.	0.	674.	0.	916.	145.4	587.	0.	330.	0.	214.	22.9	100.	5.8	114.	0.	0.
29	1734.	0.	627.	0.	907.	136.6	580.	6.4	327.	0.	200.	21.5	95.	5.9	105.	0.	0.
30	1661.	0.	577.	0.	895.	130.4	564.	16.3	331.	0.	189.	20.1	89.	5.7	100.	0.	0.
31	1601.	0.	562.	0.	895.	128.0	540.	23.6	355.	0.	144.	18.9	83.	5.4	60.	0.	0.
32	1535.	0.	545.	0.	895.	128.4	523.	17.0	372.	0.	95.	17.9	78.	5.0	16.	0.	0.
33	1466.	0.	527.	0.	895.	133.7	521.	2.9	375.	0.	43.	-13.5	43.	6.5	0.	0.	0.
34	1396.	0.	508.	0.	878.	135.6	526.	0.	352.	0.	10.	-13.4	10.	0.	0.	0.	0.
35	1326.	0.	489.	0.	837.	134.6	532.	0.	305.	0.	0.	9.0	0.	0.	0.	0.	0.
36	1254.	0.	468.	0.	786.	129.4	533.	0.	253.	0.	0.	17.9	0.	0.	0.	0.	0.
37	1179.	0.	446.	0.	732.	120.2	520.	13.5	212.	0.	0.	-13.5	0.	0.	0.	0.	0.
38	1108.	0.	422.	0.	685.	113.1	497.	22.5	188.	0.	0.	-13.4	0.	0.	0.	0.	0.
39	1034.	0.	398.	0.	637.	107.4	470.	27.2	167.	0.	0.	9.0	0.	0.	0.	0.	0.
40	958.	0.	372.	0.	586.	102.8	444.	28.6	143.	0.	0.	17.9	0.	0.	0.	0.	0.
41	879.	0.	345.	0.	534.	94.5	418.	25.7	116.	0.	0.	-13.5	0.	0.	0.	0.	0.
42	796.	0.	312.	0.	483.	81.5	386.	31.6	97.	0.	0.	-13.4	0.	0.	0.	0.	0.
43	709.	0.	278.	0.	431.	67.1	346.	40.4	85.	0.	0.	9.0	0.	0.	0.	0.	0.
44	619.	0.	243.	0.	376.	56.3	299.	46.5	77.	0.	0.	17.9	0.	0.	0.	0.	0.
45	526.	0.	207.	0.	319.	49.6	254.	44.9	65.	0.	0.	-13.5	0.	0.	0.	0.	0.
46	429.	0.	168.	0.	260.	44.3	217.	37.2	43.	0.	0.	-13.4	0.	0.	0.	0.	0.
47	328.	0.	129.	0.	199.	37.8	188.	29.3	11.	0.	0.	9.0	0.	0.	0.	0.	0.
48	223.	0.	88.	0.	135.	3.6	135.	0.	0.	0.	0.	17.9	0.	0.	0.	0.	0.
49	114.	0.	45.	0.	69.	0.	69.	0.	0.	0.	0.	-13.5	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	-13.4	0.	0.	0.	0.	0.

PRESENT WORTHED
CUMULATIVE EXPENDITURES
(BILLIONS OF \$)
ECONOMIC COST CASE

ECONOMIC COST CASE																

YR	CAPITAL INVESTMENTS				EXPENSES											
**	*****				*****											
	FOSSIL	HTGR LWR	FBR	TOTAL	FOSSIL	LWR				FBR				TOTALS		
	*****	*****	*****	*****	*****	*****				*****				*****		
						FABRICATION RECOVERY O&M	URANIUM FEED	SEP WK	PU SALES	PU PURCHASES	FABRICATION RECOVERY O&M	PU SALES	PU PURCHASES	WITH PU	W*O PU	
					FUEL O&M											
77	11.45	5.18	0.	16.63	15.47	1.21	0.47	0.18	0.	0.	0.	0.	0.	33.96	33.96	
78	19.44	9.17	0.	28.61	30.42	2.49	1.35	0.70	0.	0.	0.	0.	0.	63.57	63.57	
79	26.96	13.58	0.	40.54	44.86	3.86	2.29	1.30	0.	0.	0.	0.	0.	92.86	92.86	
80	34.26	18.11	0.	52.37	58.80	5.32	3.30	1.98	0.	0.	0.	0.	0.	121.76	121.76	
81	41.26	22.86	0.	64.13	72.24	6.86	4.36	2.71	0.	0.	0.	0.	0.	150.30	150.30	
82	48.00	27.80	0.	75.80	85.20	8.60	5.49	3.61	0.	0.	0.	0.	0.	178.49	178.49	
83	54.61	32.87	0.	87.38	97.69	10.22	6.68	4.36	0.	0.	0.	0.	0.	206.34	206.34	
84	60.82	38.06	0.	98.88	109.73	12.04	7.93	5.28	0.	0.	0.	0.	0.	233.85	233.85	
85	66.95	43.33	0.	110.28	121.31	13.94	9.24	6.25	0.	0.	0.	0.	0.	261.03	261.03	
86	72.94	48.66	0.	121.59	132.44	15.93	10.61	7.27	0.19	0.19	0.	0.	0.	287.84	287.84	
87	78.79	54.02	0.	132.81	143.14	18.04	11.79	8.20	0.39	0.39	0.	0.	0.	313.98	313.98	
88	84.53	59.39	0.	143.93	153.41	20.29	12.97	9.12	0.59	0.59	0.	0.	0.	339.71	339.71	
89	90.19	64.76	0.	154.94	163.28	22.65	14.15	10.04	0.79	0.79	0.	0.	0.	365.06	365.06	
90	95.76	70.10	0.	165.86	172.77	25.12	15.34	10.95	0.99	0.99	0.	0.	0.	390.05	390.05	
91	101.65	75.41	0.	177.06	181.89	27.65	16.75	11.95	1.27	1.27	0.	0.	0.	415.29	415.29	
92	107.62	80.54	0.	188.16	190.61	30.25	18.09	12.92	1.57	1.57	0.	0.	0.	440.03	440.03	
93	113.67	85.50	0.	199.17	198.98	32.91	19.42	13.89	1.87	1.87	0.	0.	0.	464.38	464.38	
94	119.70	90.40	0.	210.11	207.01	35.63	20.77	14.86	2.19	2.19	0.	0.	0.	488.37	488.37	
95	125.82	95.15	0.	220.97	214.71	38.40	22.08	15.81	2.50	2.50	0.	0.	0.	511.97	511.97	
96	132.02	99.73	0.	231.75	222.11	41.20	23.45	16.79	2.86	2.86	0.	0.	0.	535.30	535.30	
97	138.31	104.17	0.	242.48	229.24	44.02	24.77	17.76	3.23	3.23	0.	0.	0.	558.26	558.26	
98	144.67	108.47	0.	253.13	236.11	46.86	26.05	18.71	3.62	3.62	0.	0.	0.	580.87	580.87	
99	151.11	112.63	0.	263.74	242.73	49.72	27.30	19.67	4.05	4.05	0.	0.	0.	603.15	603.15	
00	157.62	116.67	0.	274.29	249.16	52.58	28.50	20.61	4.52	4.52	0.	0.	0.	625.14	625.14	
01	159.57	123.36	0.	282.92	255.12	55.52	30.20	21.73	5.05	5.05	0.	0.	0.	645.49	645.49	
02	161.55	130.19	0.	291.74	260.63	58.53	31.96	22.88	5.57	5.57	0.	0.	0.	665.74	665.74	
03	163.51	136.94	0.	300.45	265.73	61.59	33.73	24.02	6.07	6.07	0.	0.	0.	685.53	685.53	
04	165.45	143.73	0.	309.18	270.49	64.71	35.39	25.13	6.59	6.59	0.	0.	0.	704.90	704.90	
05	167.37	150.58	0.	317.95	274.84	67.91	36.94	26.24	7.22	7.22	0.	0.	0.	723.88	723.88	
06	169.26	157.41	0.	326.68	278.79	71.19	38.66	27.46	8.08	8.08	0.	0.	0.	742.78	742.78	
07	171.14	164.17	0.	335.31	282.48	74.54	40.35	28.67	9.16	9.16	0.	0.	0.	761.34	761.34	
08	173.11	169.70	0.	342.81	285.99	77.93	42.02	29.83	10.42	10.42	0.	0.	0.	778.56	778.56	
09	175.04	175.12	0.	350.15	289.32	81.33	43.67	30.94	11.74	11.74	0.	0.	0.	795.41	795.41	
10	176.93	180.43	0.	357.36	292.49	84.76	45.33	32.02	13.16	13.16	0.	0.	0.	811.96	811.96	
11	178.79	185.63	0.	364.43	295.51	88.18	47.04	33.10	14.72	14.72	0.	0.	0.	828.25	828.25	
12	180.91	190.37	0.	371.28	298.42	91.59	48.74	34.15	16.47	16.47	0.	0.	0.	844.18	844.18	
13	182.98	195.02	0.	378.00	301.24	94.97	50.43	35.16	18.36	18.36	0.	0.	0.	859.80	859.80	
14	185.02	199.57	0.	384.59	303.95	98.34	52.11	36.12	20.33	20.33	0.	0.	0.	875.11	875.11	
15	18	204.04	0.	391.05	306.58	101.67	53.80	37.04	22.34	22.34	0.	0.	0.	890.15	890.15	

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	18	20		40	13	1.9L	55.1	37.1	24.1	40						
17	190.91	212.71	0.	403.62	311.60	108.24	57.42	38.86	26.54	26.54	0.	0.	0.	0.	904.80	904.80
18	192.80	216.92	0.	409.72	314.00	111.46	59.45	39.78	28.79	28.79	0.	0.	0.	0.	919.74	919.74
19	194.65	221.05	0.	415.71	316.33	114.64	61.67	40.70	31.24	31.24	0.	0.	0.	0.	934.41	934.41
20	196.48	225.10	0.	421.58	318.60	117.78	64.06	41.59	33.87	33.87	0.	0.	0.	0.	949.05	949.05
21	196.48	225.10	0.	421.58	320.68	120.71	66.30	42.39	36.67	36.67	0.	0.	0.	0.	963.61	963.61
22	196.48	225.10	0.	421.58	322.60	123.46	68.43	43.09	39.33	39.33	0.	0.	0.	0.	971.67	971.67
23	196.48	225.10	0.	421.58	324.35	126.03	70.39	43.69	41.88	41.88	0.	0.	0.	0.	979.16	979.16
24	196.48	225.10	0.	421.58	325.96	128.42	72.22	44.21	44.38	44.38	0.	0.	0.	0.	986.04	986.04
25	196.48	225.10	0.	421.58	327.41	130.64	73.95	44.68	46.88	46.88	0.	0.	0.	0.	992.38	992.38
26	196.48	225.10	0.	421.58	328.72	132.70	75.59	45.12	49.39	49.39	0.	0.	0.	0.	998.26	998.26
27	196.48	225.10	0.	421.58	329.89	134.62	77.15	45.52	51.77	51.77	0.	0.	0.	0.	1003.71	1003.71
28	196.48	225.10	0.	421.58	330.93	136.39	78.61	45.89	53.98	53.98	0.	0.	0.	0.	1008.77	1008.77
29	196.48	225.10	0.	421.58	331.83	138.04	80.01	46.23	56.02	56.02	0.	0.	0.	0.	1013.40	1013.40
30	196.48	225.10	0.	421.58	332.61	139.55	81.39	46.56	57.94	57.94	0.	0.	0.	0.	1017.69	1017.69
31	196.48	225.10	0.	421.58	333.34	140.94	82.48	46.85	59.77	59.77	0.	0.	0.	0.	1021.70	1021.70
32	196.48	225.10	0.	421.58	334.02	142.19	83.39	47.12	61.58	61.58	0.	0.	0.	0.	1025.17	1025.17
33	196.48	225.10	0.	421.58	334.65	143.31	84.18	47.38	63.53	63.53	0.	0.	0.	0.	1028.31	1028.31
34	196.48	225.10	0.	421.58	335.24	144.32	84.90	47.57	65.55	65.55	0.	0.	0.	0.	1031.09	1031.09
35	196.48	225.10	0.	421.58	335.79	145.22	85.62	47.76	67.40	67.40	0.	0.	0.	0.	1033.62	1033.62
36	196.48	225.10	0.	421.58	336.29	146.02	86.17	47.90	68.99	68.99	0.	0.	0.	0.	1035.96	1035.96
37	196.48	225.10	0.	421.58	336.76	146.72	86.65	48.01	70.46	70.46	0.	0.	0.	0.	1037.95	1037.95
38	196.48	225.10	0.	421.58	337.18	147.35	87.11	48.11	71.82	71.82	0.	0.	0.	0.	1039.72	1039.72
39	196.48	225.10	0.	421.58	337.56	147.90	87.53	48.19	73.03	73.03	0.	0.	0.	0.	1041.33	1041.33
40	196.48	225.10	0.	421.58	337.90	148.38	87.88	48.26	74.07	74.07	0.	0.	0.	0.	1042.77	1042.77
A-385	41	196.48	225.10	0.	421.58	338.21	148.79	88.16	48.31	74.99	74.99	0.	0.	0.	1044.01	1044.01
	42	196.48	225.10	0.	421.58	338.48	149.14	88.39	48.36	75.79	75.79	0.	0.	0.	1045.05	1045.05
	43	196.48	225.10	0.	421.58	338.70	149.44	88.62	48.39	76.45	76.45	0.	0.	0.	1045.95	1045.95
	44	196.48	225.10	0.	421.58	338.89	149.69	88.85	48.42	77.00	77.00	0.	0.	0.	1046.74	1046.74
	45	196.48	225.10	0.	421.58	339.04	149.88	89.04	48.45	77.51	77.51	0.	0.	0.	1047.43	1047.43
	46	196.48	225.10	0.	421.58	339.16	150.03	89.18	48.47	77.99	77.99	0.	0.	0.	1048.00	1048.00
	47	196.48	225.10	0.	421.58	339.24	150.15	89.23	48.47	78.37	78.37	0.	0.	0.	1048.42	1048.42
	48	196.48	225.10	0.	421.58	339.30	150.22	89.23	48.47	78.63	78.63	0.	0.	0.	1048.54	1048.67
	49	196.48	225.10	0.	421.58	339.33	150.25	89.23	48.47	78.92	78.92	0.	0.	0.	1048.58	1048.80
	50	196.48	225.10	0.	421.58	339.33	150.25	89.23	48.47	79.18	78.85	0.	0.	0.	1048.58	1048.86
												0.	0.	0.	1048.53	1048.86