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DOE/EV-0027

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Office of Technology Impacts Inventory of Reports

October 1978

U.S. Department of Energy
Assistant Secretary for Environment
Office of Technology Impacts

MASTER

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Washington, D.C. 20545

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ABSTRACT

The Inventory of OTI Reports is a bibliographic listing of reports on environmental analyses, assessments, and related studies sponsored by the Office of Technology Impacts (OTI). The Office supports the Assistant Secretary for Environment (ASEV) in the U.S. Department of Energy (DOE). OTI conducts assessments of the environmental impacts of advanced energy technologies and evaluates policy options and their implications. These analyses are an integral part of ASEV's contribution to DOE's energy policy formulation. Revisions of this Inventory are planned on an annual basis.

OFFICE OF TECHNOLOGY IMPACTS

Inventory of Reports

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INTRODUCTION

This Inventory of OTI Reports is a bibliographic listing of reports sponsored by the Office of Technology Impacts (OTI). This listing contains reports produced as of April 1978, by OTI and its predecessor offices under the former Energy Research and Development Administration (ERDA). To provide others with information on the products and progress of OTI assessment and policy evaluation efforts, the Inventory of OTI Reports will be revised on an annual basis.

In January 1978, OTI was created to analyze the impacts of energy-related environmental policies, laws, and regulations, to assess the environmental impacts, identify the environmental issues, and specify the research requirements for energy technologies being developed by DOE, and to assess the national and regional environmental, health, and safety impacts of DOE policies and programs. The work of OTI is carried out through four program areas. The functions of each program area are briefly described below.

Policy Analysis Program

- o identifies emerging and existing environmental policy issues,
- o conducts options analyses for identifying the environmental impacts of alternative energy policies, and
- o evaluates the environmental impacts of alternative energy policies

Technology Assessment Program

- o conducts assessments on the nationwide environmental impacts of specific technologies, and
- o prepares and updates EDPs and Environmental Readiness Documents (ERDs)

National Impact Program

- o develops new analytical techniques or adapts existing analytical techniques for assessment needs,
- o provides information bases on the energy and environmental research programs, and
- o maintains data bases on national economics trends, technology characterization, and other data which are fundamental to the assessment process

Regional Impacts Program

- o conducts Regional Characterization studies of each of six major regions of the Nation,
- o supports an Issue Identification program to define the major environmental issues in each region of the Nation, and
- o sponsors special Mitigation Studies and Case Studies which suggest avenues for alleviating or resolving major regional environmental issues

Reports in this Inventory are organized by program area. This Inventory was compiled by Art Garcia and Sandra Rogowski.

SUMMARY

The current Inventory lists reports prepared as of April 11, 1978, which are under OTI cognizance. As indicated, some of these reports are in draft form and are pending completion. Of the reports listed, the major completed products of each OTI program area are described below and outlined in Table 1.

1. Policy Analysis

Evaluation of key state and national legislative precedents for their impact on future energy growth in all regions of the U.S.

2. Technology Assessment

2.1 The National Coal Utilization Assessment (NCUA) Project for several regions of the Nation.

2.2 An Assessment series on the Imperial Valley Environmental Plan (IVEP).

2.3 Of the 35 EDPs prepared for FY 1977, 11 were completed and released in final form.

3. National Impact

3.1 An Environmental Analysis of the (1977) National Energy Plan (NEP) resulting in 8 technology impact reports which investigated the broad national impacts of the NEP.

3.2 Release of the first draft Annual Environmental Analysis Report (AEAR). The AEAR is a detailed analytical investigation of the national environmental impacts of future energy growth to the year 2000 based on the initiatives of the NEP.

3.3 Series on "Water for Energy" in conjunction with the Water Resources Council (WRC).

3.4 The "FY 1976 Federal Inventory."

4. Regional Impacts

4.1 Perspectives on the Energy Future of the Northeast.

4.2 Series on "Environmental Characterization of the Lake Michigan Region."

- 4.3 Series on "Socioeconomic Assessment of Energy Development in Mercer County, North Dakota."
- 4.4 Series on "Air Quality and Energy Development in the Rocky Mountain West."
- 4.5 Series on "Energy Development in Resource Rich States."

TABLE 1. OUTLINE OF MAJOR OTI PROJECTS AS OF APRIL 11, 1978

<u>MAJOR OTI PROJECTS</u>	<u>REPORT INDEX NUMBERS</u>	<u>APPLICABLE REGIONS OR TECHNOLOGIES</u>
1. <u>Policy Analysis -</u> State and National Legislative Precedents	BNL-MT-5 LLL-MT-3 LLL-CC-1 OFF-MT-4	Northeast California California U.S.A.
2. <u>Technology Assessment</u>		
2.1 NCUA	ANL-C-7, -13, -2, -21, -20 BNL-CA-1, -2 BNL-CC-1, -2 BNL-MT-2 ORN-C-1, -2, -3 ORN-CA-1 PNL-C-8, -CA-1	Midwest Northeast Northeast Northeast Southwest Southwest Northwest
2.2 IVEP	LLL-GT-4, -13, -8, -10 LLL-GT-6, -1, -2, -3	California California
2.3 EDPs (finalized reports only)	DOE-GT-2, -1 DOE-OL-2 DOE-SH-1, -2 DOE-SA-1 DOE-SA-4 DOE-SA-5 DOE-KT-2	Geothermal Oil Shale Solar Heating Ocean Thermal Solar Thermal Power Photovoltaics Electric Vehicle
3. <u>National Impact</u>		
3.1 NEP Analyses	ANL-MT-6 ANL-C-10 BNL-CC-3 BNL-MT-3 LAS-SA-1 ORN-MT-17 OFF-C-1, -2	U.S.A. U.S.A. U.S.A. Northeast U.S.A. U.S.A. U.S.A.

MAJOR OTI PROJECTS

3.2 AEAR - 1977

3.3 Water for Energy

3.4 Federal Inventory - 1976

4. Regional Impacts

4.1 Perspectives - Northeast

4.2 Environmental Characterization
of Lake Michigan Region4.3 Energy Development in
Mercer County, North Dakota4.4 Air Quality in the Rocky
Mountain West4.5 Energy Development in
Resource Rich StatesREPORT INDEX NUMBERS

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LAS-MT-15, -16
ORN-MT-44, -45
OFF-27, -28, -31, -32
OFF-35
OFF-36

OFF-MT-5

BNL-MT-12

ANL-MT-5, -12, -13
ANL-MT-29, -10, -14
ANL-MT-20, -21, -22
ANL-MT-23, -24, -16

ANL-CA-7, -6

LAS-MT-2, -3, -4

OFF-MT-9
OFF-MT-10
OFF-MT-11
OFF-MT-12
OFF-MT-3APPLICABLE REGIONS OR TECHNOLOGIES

U.S.A.

U.S.A.
Western U.S.A.
Eastern U.S.A.
U.S.A.
Appalachia
River Basins

U.S.A.

Northeast

Lake Michigan
Lake Michigan
Lake Michigan
Lake Michigan

North Dakota

Rocky Mountain

Texas
North Dakota
Wyoming
Colorado
Alaska

OFFICE OF TECHNOLOGY IMPACTS
INVENTORY OF REPORTS

SUBJECT AREA: POLICY ANALYSIS

AS OF: APRIL 11, 1978

OTI INDEX NUMBER	TITLE	ON NTIS	AUTHOR(S)	DATE/ STATUS	REGION/ REPORT NUMBER
OFF-MT-18	Social Science Energy Review Vol. 1 No. 1	No	Yale U.	Winter 78 Final	U. S. A. COO-4287-7
OFF-MT-13	"Not on my Block You Don't : Facility Siting and the Strategic Importance of Compensation	No	M. O'Hare MIT	Fall 1977 Final	U. S. A.
OFF-MT-4	Impact of The Safe Drinking Water Act on Energy Development	No	Energy Resources Co., Inc.	9/77 Draft	U. S. A.
OFF-MT-14	Managing the Socioeconomic Impacts of Energy Development	No	OPA&E	9/77 Final	U. S. A. ERDA 77-79
OFF-MT-15	Models and Methodologies for Assessing the Impact of Energy Developments	No	OPA&E	9/77 Final	U. S. A. ERDA 77-91
OFF-MT-16	Assistance from Energy Developers	No	OPA&E	9/77 Final	U. S. A. ERDA 77-90
OFF-MT-17	Opportunities for Company-Community Cooperation in Mitigating Energy Facility Impacts	No	MIT	8/77 Draft	U. S. A.
BNL-MT-5	State Legislatures and Energy Policy in the Northeast: Energy Facility Siting and Legislative Action	Yes	D. Morell, G. Singer	6/77 Final	NE BNL-50679
OFF-MT-24	Federal Aid to Energy Impacted Communities -- A Review of Related Programs and Legislative Proposals	No	S. Brody MIT	5/77 Final	U. S. A.

SUBJECT AREA: POLICY ANALYSISAS OF: APRIL 11, 1978

<u>OTI INDEX NUMBER</u>	<u>TITLE</u>	<u>ON NTIS</u>	<u>AUTHOR(S)</u>	<u>DATE/ STATUS</u>	<u>REGION/ REPORT NUMBER</u>
LLL-MT-3	Legislative History of the California Environmental Quality Act	Yes	J. Wharton, M. Lewis	12/76 Final	California UCRL-52188
LLL-CC-1	The Clean Air Act: SO ₂ Regulation and Power Plant Operation	Yes	J. Wharton	11/76 Final	California UCRL-52182

OFFICE OF TECHNOLOGY IMPACTS
INVENTORY OF REPORTS

SUBJECT AREA: TECHNOLOGY ASSESSMENT (Coal)

AS OF: APRIL 11, 1978

OTI INDEX NUMBER	TITLE	ON NTIS	AUTHOR(S)	DATE/ STATUS	REGION/ REPORT NUMBER
PNL-C-8	The Impact of Increased Coal Consumption in the Pacific Northwest	Yes	J. B. Burnham	3/78 Final	NW BNWL-RAP-21
ORN-C-3	A Preliminary Regional Assessment of Coal Utilization in the South, Volume 1	No	R. M. Davis, et al.	2/78 Draft	SE ORNL/TM-6122
BNL-CC-1	Coal Utilization in the Northeast, Vol. 3. An Assessment of the Acid Rain Problem	No	E. N. Ziegler, R. E. Meyers	1/78 Draft	NE BNL-23598
BNL-MT-1	NCUA, Vol. 7. Price-Induced Patterns of Energy Consumption in the Energy Intensive Industries of the Northeast	No	R. Goettle, et al.	12/77 Draft	NE BNL-23602
BNL-MT-2	Coal Utilization in the Northeast, Vol. 6. Industrial Energy Use	No	E. Rubin, E. Medine	12/77 Draft	NE BNL-23601
BNL-CA-1	Coal Utilization in the Northeast, Vol. 1. Issues and Siting Scenarios	No	P. Meier, et al.	12/77 Draft	NE BNL-23596
BNL-CC-2	NCUA Databook for the Quantitation of Health Effects from Coal Energy Systems	No	S. Morris, K. Novak	12/77 Draft	NE BNL-23606
BNL-CA-2	NCUA, Vol. 5. Offshore Siting for Coal Fired Electric Generation Facilities	No	D. Morell, et al.	12/77 Draft	NE BNL-23600
ORN-MT-9	Verification of Methodology for Computing Ground-Level Air Concentrations of SO ₂ and Suspended Particulates for Both Point and Dispersed Sources	No	C. W. Miller, R. E. Moore	12/77 Final	Tennessee

SUBJECT AREA: TECHNOLOGY ASSESSMENT (Coal)AS OF: APRIL 11, 1978

OTI INDEX NUMBER	TITLE	ON NTIS	AUTHOR(S)	DATE/ STATUS	REGION/ REPORT NUMBER
ANL-C-2	Coal-Related Issues Identified by State and Regional Groups in the Midwest	No	M. L. Hilton	11/77 Draft	MW
ANL-C-7	National Coal Utilization Assessment Vol. 1. An Integrated Assessment of Increased Coal Use in the Midwest: Impacts and Constraints	No	L. J. Hoover, et al.	10/77 Draft	MW ANL/A-11
ANL-C-21	National Coal Utilization Assessment. An Integrated Assessment of Increased Coal Use in the Midwest: Impacts and Constraints. Vol. 2.	No	L. J. Hoover, et al.	10/77 Draft	MW ANL/AA-11
PNL-C-1	Constraints on Coal Availability: The Effects of Depletion	No	T. J. Foley, A. E. Davis	10/77 Final	Generic
ORN-C-1	Coal and Energy: A Southern Perspective -- Regional Characterization Report for the National Coal Utilization Assessment	Yes	F. D. Boercker, et al.	8/77 Final	SE ORNL/TM-5900
ORN-CA-1	Engineering Evaluations of Coal Conversion Processes: Part 1. Hydrocarbonization and Synthoil-Information Base, Process Selection, and Preliminary Evaluation of Alternatives	Yes	R. Salmon, et al.	8/77 Final	U. S. A. ORNL/TM-5034
ANL-C-20	NCUA: The Price and Availability of Low Sulfur Coal in Eastern Markets	Yes	G. C. Krohm, C. D. Dux	7/77 Final	E ANL/AA-12
ANL-CA-1	Preliminary Assessment of the Health and Environmental Impacts of Fluidized-Bed Combustion of Coal as Applied to Electrical Utility Systems	No	K. Hub, et al.	2/77 Final	U. S. A.

SUBJECT AREA: TECHNOLOGY ASSESSMENT (Coal)

AS OF: APRIL 11, 1978

OTI INDEX NUMBER	TITLE	ON NTIS	AUTHOR(S)	DATE/ STATUS	REGION/ REPORT NUMBER
ANL-C-13	A Preliminary Assessment of the Health and Environmental Effects of Coal Utilization in the Midwest, Vol. 1. Energy Scenarios, Technology Characterizations, Air and Water Resource Impacts, and Health Effects	No	L. J. Habegger, et al.	1/77 Draft	MW
PNL-C-3	Potential Impacts on Instream Flow Requirements on Coal Development in the Northern Great Plains	Yes	S. Shupe	1/77 Final	NW BNWL-2084- RAP-13
ORN-C-2	Ecological Impacts: Constraints on the Rapidly Expanded Use of Coal	No	J. R. Hyndman, J. S. Olson	1977 Draft	U. S. A.
ANL-C-19	The Price and Availability of Low Sulfur Coal in Eastern Markets	No	G. C. Krohm, C. D. Dux	Not Dated (At least 1977) Draft	U. S. A.
ANL-C-18	Modifications and Costs of Converting to Low Sulfur Western Coals	No	G. N. Reddy, G. C. Krohm	Not Dated (At least 1976) Draft	MW
ANL-C-20	Modeling Long-Term Coal Production with the Argonne Coal Market Model	No	C. D. Dux, et al.	Not Dated (At least 1976) Draft	U. S. A.
ANL-CA-2	Extraction of North Dakota Lignite: Environmental and Reclamation Issues	No	J. R. LaFevers, et al.	12/76 Final	N. Dakota ANL/AA-7

SUBJECT AREA: TECHNOLOGY ASSESSMENT (Coal)AS OF: APRIL 11, 1978

OTI INDEX NUMBER	TITLE	ON NTIS	AUTHOR(S)	DATE/ STATUS	REGION/ REPORT NUMBER
PNL-CA-1	Regional Air Quality Assessment for Probable Near-Term Coal-Related Energy Development in the Northwest	Yes	D. Renne, D. Elliot	10/76 Final	NW BNWL-2084- RAP-9
PNL-CA-2	The Potential for Producing and Marketing Gasoline Substitutes from Western Coal	Yes	J. W. Currie, D. J. Braun	9/76 Final	NW, RM BNWL-2084- RAP-4
ANL-CA-3	A Socioeconomic Assessment of Energy Development in a Small Rural County: Coal Gasification in Mercer, County, North Dakota. Vol. 2	No	T. E. Baldwin, et al.	8/76 Final	N. Dakota ANL/AA-5
PNL-C-4	Dynamic Analysis of the Environmental and Social Impacts of Coal Development in the Eastern Powder River Basin of Wyoming, 1960-2010	Yes	J. J. Jacobsen	7/76 Final	RM BNWL-2084- RAP-3
ANL-C-17	Assessment of Trace Element Body Burdens Due to Projected Coal Utilization in the Illinois River Basin	No	J. R. Gasper, P. A. Dauzvardis	Not Dated Draft	Ill. River Basin

SUBJECT AREA: TECHNOLOGY ASSESSMENT (Geothermal)

AS OF: APRIL 11, 1978

OTI INDEX NUMBER	TITLE	ON NTIS	AUTHOR(S)	DATE/ STATUS	REGION/ REPORT NUMBER
LLL-GT-1	Potential Growth of Electric Power Production from Imperial Valley Geothermal Resources	Yes	D. L. Ermak	9/77 Final	SW UCRL-52252
LLL-GT-2	A Scenario for Geothermal Electric Power Development in Imperial Valley	No	D. L. Ermak	8/77 Draft	SW UCRL-7990-6 Rev. 1
LBL-GT-2	Human and Moral Assessment of Geothermal Development in Lake County, Calif.	No	C. W. Churchman, et al.	7/77 Draft	California
LLL-GT-6	Imperial Valley Environmental Project: Quarterly Data Report	No	R. Hyholm, L. R. Anspaugh	4/77 Draft	California UCID-17444-1
LLL-GT-7	The LLL Geothermal Energy Program Status Report: January 1976 - January 1977	Yes	A. L. Austin, et al.	4/77 Final	California UCRL-50046-76
LLL-GT-10	Geologic Characteristics of a Portion of the Salton Sea Geothermal Field	Yes	J. D. Tewhey	4/77 Final	California UCRL-52267
LBL-GT-1	76 Lake County Economy: Potential Socioeconomic Impacts of Geothermal Development	No	L. R. Vollintine, et al.	2/77 Final	California LBL-5944
LLL-MT-7	On the Geophysical and Geothermal Models of the Earth's Shields and Rift Zones	Yes	D. H. Chung	2/77 Final	U. S. A. UCRL-52238
LLL-GT-6	Potential Effects of Geothermal Energy Conversion on Imperial Valley Ecosystems	Yes	J. H. Shinn	12/76 Final	California UCRL-52196
LLL-NA-1	A Computational Model of the Stemming Operation for Cased Holes	Yes	S. C. Cowin	1/77 Final	U. S. A. UCRL-52206

SUBJECT AREA: TECHNOLOGY ASSESSMENT (Geothermal)AS OF: APRIL 11, 1978

OTI INDEX NUMBER	TITLE	ON NTIS	AUTHOR(S)	DATE/ STATUS	REGION/ REPORT NUMBER
LLL-GT-3	The Geysers Geothermal Power Plant: Environmental Impact of the Release of ^{222}Rn	No	L. R. Anspaugh, et al.	1/77 Draft	California UCRL-79038
LLL-GT-13	Potential Effects of Geothermal Energy Conversion on Imperial Valley Ecosystems	Yes	J. H. Shinn (ed.)	12/76 Final	California UCRL-52196
LLL-GT-4	A Description of Imperial Valley, California for the Assessment of Impacts of Geothermal Energy Develop- ment	Yes	D. Layton, D. Ermak	8/76 Final	California UCRL-52121
LLL-MT-5	Imperial Valley Environmental Project: Progress Report	Yes	P. Phelps, L. Ans- pauth (eds.)	10/76 Final	California UCRL-50044- 76-1
LLL-GT-5	An Overview of the Imperial Valley Environmental Project	Yes	L. R. Anspaugh, P. L. Phelps (eds.)	4/76 Draft	California UCID-17067
LLL-MT-6	Energy and Technology Review	No	Not stated	1976 Final	U. S. A. UCRL-52000- 76-5
LLL-GT-8	Characteristics of Geothermal Wells Located in the Salton Sea Geothermal Field, Imperial County, California	Yes	T. D. Palmer	12/75 Final	California UCRL-51976
LLL-GT-9	Present Status and Future Prospects for Nonelectrical Uses of Geothermal Resources	Yes	J. H. Howard, ed.	10/75 Final	Global UCRL-51926
LLL-GT-12	Potential Power Generation & Gas Production from Gulf Coast Geo- pressure Reservoirs	Yes	P. A. House, et al.	5/75 Final	Texas & Louisiana Gulf Coast

SUBJECT AREA: TECHNOLOGY ASSESSMENT (EDP's)AS OF: APRIL 11, 1978

OTI INDEX NUMBER	TITLE	ON NTIS	AUTHOR(S)	DATE/ STATUS	REGION/ REPORT NUMBER
DOE-N-4	Mining and Milling EDP	No	Not stated	2/78 Draft	U. S. A.
DOE-NA-2	Uranium Enrichment Program EDP	No	Not stated	1/78 Draft	U. S. A.
DOE-MT-3	Energy Technology Characteristics for Section 13(A) Water Assessments	No	Not stated	1/78 Final	Missouri, Colorado, and Ohio River Basins
DOE-NG-1	Enhanced Gas Recovery EDP	No	C. B. Wilson, R. Franklin	12/77 Draft	U. S. A.
DOE-OL-1	Oil Supply EDP	No	C. B. Wilson, R. Franklin	11/77 Draft	U. S. A.
DOE-CA-5	Magnetohydrodynamics Program EDP	No	G. Rotariu, J. Siegel	10/77 Draft	U. S. A.
DOE-N-1	Decontamination and Decommissioning EDP	No	A. F. Kluk, C. M. Campbell	9/77 Draft	U. S. A.
DOE-NA-3	Space Applications EDP	No	T. J. Dobry, Jr., W. N. Thomasson	9/77 Draft	U. S. A.; Global
DOE-NA-4	Magnetic Fusion Program EDP	No	J. E. Baublitz, R. P. Blaunstein	9/77 Draft	U. S. A.

SUBJECT AREA: TECHNOLOGY ASSESSMENT (EDP's)AS OF: APRIL 11, 1978

OTI INDEX NUMBER	TITLE	ON NTIS	AUTHOR(S)	DATE/ STATUS	REGION/ REPORT NUMBER
DOE-KA-1	Energy Storage Systems EDP	No	L. Holt, G. Hagey	9/77 Draft	U. S. A.
DOE-KI-1	Industrial Energy Conservation EDP	No	R. Shene- man, D. Moses	9/77 Draft	U. S. A.
DOE-KT-1	Transportation Energy Conservation EDP	No	D. Max- field, D. Moses	9/77 Draft	U. S. A.
DOE-KA-2	Conservation Research and Technology EDP	No	M. Shapiro, D. O. Moses	9/77 Draft	U. S. A.
DOE-KA-3	Electric Energy Systems EDP	No	D. O. Moses, L. T. Krezanosky	9/77 Draft	U. S. A.
DOE-KB-1	Building and Community Systems EDP	No	J. Duane, G. Hagey	9/77 Draft	U. S. A.
DOE-CA-6	Advanced Power Systems Program EDP	No	J. Siegel, B. Almaula	9/77 Draft	U. S. A.
DOE-CA-1	Direct Combustion Program EDP	No	J. Siegel, W. Wilson	9/77 Draft	U. S. A.
DOE-CA-2	Coal Liquefaction Program EDP	No	A. Hemen- way, B. Almaula	9/77 Draft	U. S. A.
DOE-C-1	Coal Extraction, Beneficiation and Transportation EDP	No	R. M. Jameson	9/77 Draft	U. S. A.

SUBJECT AREA: TECHNOLOGY ASSESSMENT (EDP's)AS OF: APRIL 11, 1978

OTI INDEX NUMBER	TITLE	ON NTIS	AUTHOR(S)	DATE/ STATUS	REGION/ REPORT NUMBER
DOE-CA-3	Underground Coal Conversion	No	A. Hemenway	9/77 Draft	U. S. A.
DOE-GT-1	Geothermal Energy Systems EDP	No	A. Jelacic, H. R. Wasson	9/77 Final	U. S. A.
DOE-N-3	Defense Waste Management EDP	No	Not stated	9/77 Draft	U. S. A.
DOE-CA-4	Coal Gasification Program EDP	No	J. Nardella, B. Almaula	9/77 Draft	U. S. A.
DOE-KT-2	Electric Vehicle Systems EDP	Yes	D. Maxfield, G. Hagey	8/77 Final	U. S. A. EDP/C-01- (77)
DOE-GT-2	Hydrothermal Energy Systems EDP	Yes	R. R. Loose, H. R. Wasson	6/77 Final	U. S. A. EDP/G-01 (77)
DOE-OL-2	Oil Shale EDP	Yes	J. D. Powderly, R. Franklin	6/77 Final	U. S. A.
DOE-NC-1	Commercial Waste Management Program EDP	No	Not stated	3/77 Draft	U. S. A.
DOE-SH-1	Solar Agriculture and Industrial Process Heat EDP	No	Not stated	1977 Final	U. S. A.
DOE-SA-1	Ocean Thermal Energy Conversion EDP	No	Not stated	1977 Final	U. S. A.

SUBJECT AREA: TECHNOLOGY ASSESSMENT (EDP's)AS OF: APRIL 11, 1978

OTI INDEX NUMBER	TITLE	ON NTIS	AUTHOR(S)	DATE/ STATUS	REGION/ REPORT NUMBER
DOE-SA-2	Fuels from Biomass EDP	No	Not stated	1977 Draft	U. S. A.
DOE-SA-3	Wind Energy Conversion EDP	No	Not stated EEAI	1977 Draft	U. S. A.
DOE-SA-4	Solar Thermal Power Systems EDP	No	Not stated EEAI	1977 Final	U. S. A.
DOE-SA-5	Photovoltaics EDP	No	Not stated EEAI	1977 Final	U. S. A.
DOE-SH-2	Solar Heating and Cooling of Buildings EDP	No	Not stated EEAI	1977 Final	U. S. A.
DOE-N-2	Special Nuclear Materials Production	No	Not stated	No date Draft	U. S. A.
DOE-NA-1	Advanced Isotope Separation EDP	No	Not stated	No date Draft	U. S. A.

OFFICE OF TECHNOLOGY IMPACTS
INVENTORY OF REPORTS

SUBJECT AREA: NATIONAL IMPACT (NEP)

AS OF: APRIL 11, 1978

OTI INDEX NUMBER	TITLE	ON NTIS	AUTHOR(S)	DATE/ STATUS	REGION/ REPORT NUMBER
OFF-MT-39	Summary and Status of Environmental Development Plans -- Department of Energy	No	Not stated	3/78 Final	U. S. A. M78-8
OFF-MT-26	Annotated Briefing on the EV Information Activity Survey	No	J. W. Halsey, E. F. Fullenwider	2/78 Final	U. S. A.
LAS-SA-1	Prospects for Solar Energy: The Impact of the National Energy Plan	Yes	F. Roach, et al.	12/77 Final	U. S. A. LA-7064-MS
OFF-C-2	Productivity and Occupational Health Safety Implications of the National Energy Plan's Coal Mining Goal	No	D. W. Cunete, et al.	10/77 Draft	U. S. A.
ANL-C-10	Socioeconomic Implications of the National Energy Plan: Comparative Social Costs of Increased Coal Production to 1985	No	E. J. Stenehjém, J. E. Metzger	9/77 Draft	Continental U. S. A.
BNL-CC-3	An Assessment of the Solid Waste Impact of the National Energy Plan	No	P. Meier, et al.	9/77 Draft	U. S. A.
OFF-C-1	Briefing on the Impacts of the National Energy Plan on Regional Coal Production	No	I. W. Yabroff, E. M. Dickson	9/77 Draft	U. S. A. CRESS Rpt. #34
OFF-MT-37	Annual Environmental Analysis Report (AEAR): National Energy Plan. Vol. 2.	No	R. J. Kalagher, et al.	9/77 Draft	U. S. A.

SUBJECT AREA: NATIONAL IMPACT (NEP)AS OF: APRIL 11, 1978

OTI INDEX NUMBER	TITLE	ON NTIS	AUTHOR(S)	DATE/ STATUS	REGION/ REPORT NUMBER
OFF-MT-38	Annual Environmental Analysis Report (AEAR): National Energy Plan. Vol. 4.	No	R. J. Kalagher, et al.	9/77 Draft	U. S. A.
OFF-MT-1	Annual Environmental Analysis Report (AEAR): National Energy Plan. Vol. 1.	No	R. J. Kalagher, et al.	9/77 Draft	U. S. A. MTR-7626
ANL-MT-6	Water Pollution Impacts of the National Energy Plan	No	L. Habegger, et al.	8/77 Draft	Continental U. S. A.
BNL-MT-3	Preliminary Assessment of the Impacts of the National Energy Plan on the Northeast	No	P. Meier, et al.	8/77 Draft	NE
BNL-CC-4	Preliminary Assessment of the Solid Waste Management Impact of the National Energy Plan	No	P. Meier, et al.	8/77 Draft	U. S. A.
ORN-MT-17	Nationwide Assessment of Water Quantity Impacts of the National Energy Plan. Vol. 1. Summary and Conclusions	Yes	J. E. Dobson, et al.	8/77 Final	U. S. A. ORNLM-TM-6098
OFF-MT-25	Annotated Briefing on the AES Information Activity Survey	No	E. D. Fullenwider	8/77 Final	U. S. A.
OFF-MT-5	Inventory of Federal Energy-Related Environment and Safety Research for FY 1976. Vol. 4.	Yes	Aerospace Corp.	4/77 Final	U. S. A. ERDA 77-50/4
BNL-MT-19	Regional Disaggregation of ERDA's Forecast 2 Energy Scenario for the Year 2000	No	R. J. Goettle, J. Brainard, I. Bhasin	3/77 Draft	U. S. A.

SUBJECT AREA: NATIONAL IMPACT (Water for Energy)

AS OF: APRIL 11, 1978

OTI INDEX NUMBER	TITLE	ON NTIS	AUTHOR(S)	DATE/ STATUS	REGION/ REPORT NUMBER
OFF-MT-28	Technical Guidelines for the Assessment of Water Resources Requirements and Water Supply Availability for Nonnuclear Energy Projects--Commercial Application	No	Y. Gordon	9/77 Draft	U. S. A. MTR-7634
LAS-MT-15	Water Requirements for Future Energy Development in the West: State Perspective	Yes	W. D. Gertsch, et al.	8/77 Draft	RM, SW, California LA-6688-MS
ORN-MT-44	Survey of State Views on Energy Development in the Eastern United States for 1975, 1985, and 2000	Yes	R. H. Ross, E. B. Lewis	8/77 Final	MW, E ORN/EIS-101
OFF-MT-27	Technical Guidelines for the Assessment of Water Resources Requirements and Water Supply Availability for Nonnuclear Energy Technology Development	No	Not stated	8/77 Draft	U. S. A.
OFF-MT-29	Methodology and Conceptualized Data System to Determine Instream Flow Needs for Energy Assessment under Section 13(a) of the Nonnuclear Act, Vol. 1. of Model	No	R. P. Hayden	8/77 Draft	U. S. A.
OFF-MT-31	A Methodology and Conceptualized Data System to Determine Instream Flow Needs under Section 13(a) of the Nonnuclear Act, Vol. 3. Initial Stream Priorities	No	R. P. Hayden U.S. DOI	8/77 Draft	U. S. A.
LAS-MT-16	Water for Energy in the West: An Analysis of the Impact of Federal Energy Supply and Demand Projections.	No	R. G. Palmer, et al.	6/77 Draft	RM, SW

SUBJECT AREA: NATIONAL IMPACT (Water for Energy)AS OF: APRIL 11, 1978

OTI INDEX NUMBER	TITLE	ON NTIS	AUTHOR(S)	DATE/ STATUS	REGION/ REPORT NUMBER
ORN-MT-45	Regional Implications of National Energy Scenarios: Projected Energy Demands for Water Subareas	No	D. P. Vogt	5/77 Draft	U. S. A.
OFF-MT-36	Review of Present Modified Flow Estimates for the Water Resources Council	No	U. of Texas	5/77 Final	Selected River Basins
OFF-MT-30	A Methodology and Conceptualized Data System to Determine Instream Flow Needs for Energy Assessment under Section 13(a) of the Nonnuclear Act, Vol. 2. Data Management System	No	Not stated	4/77 Draft	U. S. A.
OFF-MT-35	Water for Energy: Case Study Assessments in Appalachia	No	N. V. Arvanitidis, et al. Intasa Inc.	4/77 Draft	Appalachia
OFF-MT-34	Preliminary Survey of Federal Water Quality Data Bases for Use in Assessing Impacts of Energy Development	No	CEQ	12/76 Draft	U. S. A.
OFF-MT-32	Sample Survey of Available Information for a Water for Energy Assessment, Vol. 1. Main Report	No	A. D. Little	6/76 Final	Selected States
OFF-MT-33	Sample Survey of Available Information for a Water for Energy Assessment, Vol. 2. Appendices	No	A. D. Little	6/76 Final	Selected States

SUBJECT AREA: NATIONAL IMPACT (Special Studies)

AS OF: APRIL 11, 1978

OTI INDEX NUMBER	TITLE	ON NTIS	AUTHOR(S)	DATE/ STATUS	REGION/ REPORT NUMBER
OFF-MT-2	Feasibility Study of an Environmental Data System for Evaluating New Energy Developments	No	A. D. Little	11/77 Final	U. S. A.
LLL-N-1	Dose Assessment in the Bikini Atoll	Yes	W. L. Robison, et al.	6/77 Final	Bikini Atoll UCRL-51879 Part 5
OFF-KI-1	Opportunities for Energy Conservation in the Treatment of Industrial Wastewaters	No	MIT	5/77 Final	U. S. A.
LBL-SH-1	Ecological Considerations of The Solar Alternative	Yes	M. Davidson et al.	2/77 Final	U. S. A. LBL-5927
OFF-MT-6	Public Health Hazards from Electricity-Producing Plants	No	J. Neyman	2/77 Final	U. S. A.
LLL-N-2	Evaluation of the Radionuclide Concentrations in Soil and Plants from the 1975 Terrestrial Survey of Bikini and Eneu Islands	Yes	C. S. Colsher, et al.	1/77 Final	Bikini & Eneu Is. UCRL-51879 Part 3
LLL-N-3	Evaluation of the Radiological Quality of the Water on Bikini and Eneu Islands in 1975: Dose Assessment Based on Initial Sampling	Yes	V. E. Noshkin, et al.	1/77 Final	Bikini & Eneu Is. UCRL-51874 Part 4
ORN-MT-24	The Global Carbon Cycle and Climate: Constraints on the Expanded Use of Fossil Fuels	No	W. R. Emanuel, et al.	1977 Draft	Global
ORN-MT-26	Composite Hazard Index for Assessing Limiting Exposures to Environmental Pollutants -- Formulation and Derivation	No	P. J. Walsh, et al.	1977 Draft	U. S. A.

SUBJECT AREA: NATIONAL IMPACT (Special Studies)

AS OF: APRIL 11, 1978

OTI INDEX NUMBER	TITLE	ON NTIS	AUTHOR(S)	DATE/ STATUS	REGION/ REPORT NUMBER
OFF-MT-7	National Plan for Energy Research, Development and Demonstration. Sixth Public Meeting	No	Not stated	12/76 Final	U. S. A. ERDA-71/1 (PM-6)
LLL-N-4	Derivation of Plant-Soil Relationships for Dose Assessment on Bikini Atoll	Yes	C. S. Colsher	11/76 Draft	Bikini Atoll UCID-17313
OFF-MT-8	A National Plan for Energy Research, Development and Demonstration. Third Public Meeting	No	Not stated	5/76 Final	U. S. A. ERDA-76/1 (PM-3)
ORN-MT-25	Optimal Siting of Energy Facilities for Minimum Air Pollutant Exposure on a Regional Scale	No	W. R. Emanuel, et al.	Draft	US

OFFICE OF TECHNOLOGY IMPACTS
INVENTORY OF REPORTS

SUBJECT AREA: REGIONAL IMPACTS (Northeast)

AS OF: APRIL 11, 1978

ANL-CC-1	An Analysis of the Impacts of Alternative Coal Facilities on Three West Virginia Counties	No	D. Dixon-Davis, et al.	7/77 Draft	W. Virginia
BNL-MT-4	A Perspective on the Energy Future of the Northeast United States	Yes	J. Brainard, et al.	6/77 Final	NE BNL-50550
BNL-MT-18	Mid-Atlantic Briefing Document	No	Manson Brainard	1977 Draft	NE BNL-50703
BNL-MT-6	Annual Report for Fiscal Year 1976	Yes	P. M. Meier	12/76 Final	NE BNL-50668
BNL-MT-7	The Energy Situation in New England	Yes	J. P. Brainard, et al.	11/76 Final	NE BNL-50580
BNL-MT-12	A Perspective on the Energy Future of the Northeast: Health and Environmental Impacts of Alternative Energy Futures for the Northeast	No	L. D. Hamilton, et al.	3/76 Draft	NE BNL-21611

SUBJECT AREA: REGIONAL IMPACTS (Midwest)AS OF: APRIL 11, 1978

ANL-C-4	Biological Aspects of Surface Coal Mine Reclamation, Black Mesa and San Juan Basin	No	B. Green	12/77 Final	Arizona & New Mexico
ANL-C-6	Western Coal Shipment on the Great Lakes: Background and Research Needs	No	L. R. Lewis, R. C. Stupka	10/77 Final	MW & Western States
ANL-MT-4	Regional Comparative Assessment - Work Statement	No	None Given	10/77 Final	MW
ANL-CA-7	Survey of Federal and Selected State Laws and Regulations Relevant to Coal Fired MHD Power Plants: A Support Document to the EDP of the Magneto-hydrodynamics Program of the Department of Energy	No	M. Sauer	10/77 Final	Selected States and USA in General
ANL-MT-29	Environmental Status of the Lake Michigan Region, Vol. 14. Birds of the Lake Michigan Drainage Basin	Yes	G. J. Wallace	7/77 Final	MW ANL/ES-40
ANL-CA-5	Social Costs for Alternative High-BTU Gas Supply Systems Incomplete Copy	No	None stated	6/77 Draft	NW & Gulf Coast
ANL-C-11	Assessment of the Health and Environmental Effects of Power Generation in the Midwest, Vol. 2. Ecological Effects	No	A. J. Dvorak, et al.	4/77 Draft	MW ANL/ES-00
ANL-MT-5	A Model for Predicting Fish Impingement at Cooling Water Intakes	Yes	I. P. Murarka	1/77 Final	Generic ANL/AA-8
ANL-MT-7	A Framework for Detailed Site-Specific Studies of Local Socio-economic Impacts from Energy Development	No	T. E. Baldwin, et al.	12/76 Draft	N. Dakota & USA

SUBJECT AREA: REGIONAL IMPACTS (Midwest)AS OF: APRIL 11, 1978

ANL-MT-8	A Framework for Comparative Analysis of Socioeconomic Impact: CASE-I	No	E. J. Stenehjem, et al.	12/76 Draft	Generic
ANL-MT-9	Present Energy Problems and Future Trends in the Midwest	No	G. C. Krohm, et al.	12/76 Draft	MW
ANL-MT-10	Environmental Status of the Lake Michigan Region; Vol. 4. Phytoplankton of Lake Michigan	Yes	S. J. Tarapchak, E. F. Stoermer	12/76 Final	MW: Lake Michigan ANL/ES-40
ANL-MT-11	An Evaluation of Regional Trends in Power Plant Siting and Energy Transport	No	R. R. Cirillo, et al.	12/76 Draft	Generic
ANL-C-3	Modeling Long-Term Regional Coal Production	No	C. D. Dux, et al.	11/76 Draft	Generic
ANL-MT-12	Environmental Status of the Lake Michigan Region, Vol. 8. Atmospheric Environment of the Lake Michigan Drainage Basin	Yes	D. F. Gatz, S. A. Changnon, Jr.	11/76 Final	MW: Lake Michigan ANL/ES-40
ANL-MT-27	Bibliography of Energy-Related Integrated Assessments	No	M. Hilton	11/76 Draft	Generic
ANL-MT-13	Environmental Status of the Lake Michigan Region. Vol. 17. Inland	No	G. C. Becker	9/76 Draft	MW: Lake Michigan ANL/ES-40
ANL-CA-7	Socioeconomic Assessment of Energy Development in a Small Rural County: Coal Gasification in Mercer County, North Dakota, Volume 2	No	T. E. Baldwin, et al.	8/76 Draft	N. Dakota

SUBJECT AREA: REGIONAL IMPACTS (Midwest)AS OF: APRIL 11, 1978

ANL-MT-28	Regional Energy Demand Modeling	No	K. W. Costello	8/76 Draft	Generic
ANL-CA-6	Socioeconomic Assessment of Energy Development in a Small Rural County: Coal Gasification in Mercer County, N. Dakota, Vol. 1	Yes	T. E. Baldwin, et al.	8/76 Final	N. Dakota ANL/AA-5
ANL-MT-14	Environmental Status of the Lake Michigan Region, Vol. 16. Amphibians and Reptiles of the Lake Michigan Drainage Basin	Yes	E. D. Pentecost, R. C. Vogt	7/76 Final	NW: Lake Michigan ANL/ES-40
ANL-MT-15	A Long-Term Econometric Analysis of Electricity Demand in the Ohio River Basin	No	G. C. Krohm, et al.	5/76 Draft	Ill., Ind., Ohio, Penn., Ky., Tenn., W. Va.
ANL-MT-16	Environmental Status of the Lake Michigan Region, Vol. 3. Chemistry of Lake Michigan	Yes	M. S. Torrey	5/76 Final	MW: Lake Michigan ANL/ES-40
ANL-MT-17	Forecasting the Local Economic Impacts of Energy Resource Development: A Methodological Approach	Yes	E. J. Stenehjem	12/75 Final	Generic ANL/AA-3
ANL-MT-19	Social Cost Studies Program. Electrical Utility Generating System Reliability Analysis Code, SYSREL	Yes	K. Hub, et al.	9/75 Final	Generic ANL/AA-4
ANL-MT-1	SITE: A Methodology for Assessment of Energy Facility Siting Patterns	No	N. A. Frigerio, et al.	8/75 Final	Generic ANL/AA-2
ANL-MT-20	Environmental Status of the Lake Michigan Region, Vol. 2. Physical Limnology of Lake Michigan. Part 1. Physical Characteristics. Part 2. Diffusion and Dispersion	Yes	C. H. Mortimer (Part 1); G. T. Csanady (Part 2)	6/75 Final	MW: Lake Michigan ANL/ES-40

SUBJECT AREA: REGIONAL IMPACTS (Midwest)AS OF: APRIL 11, 1978

ANL-MT-25	Regional Energy Modeling: An Evaluation of Alternative Approaches	Yes	A. S. Cohen, K. W. Costello	6/75 Final	Generic ANL/AA-1
ANL-MT-26	Regional Studies Advisory Board Research Recommendations	No	Not stated	4/75 Final	Generic
ANL-MT-21	Environmental Status of the Lake Michigan Region, Vol. 10. Vegetation of the Lake Michigan Drainage Basin	Yes	F. Stearns, N. Kobriger	4/75 Final	MW: Lake Michigan ANL/ES-40
ANL-MT-22	Environmental Status of the Lake Michigan Region, Vol. 9. Soils of the Lake Michigan Drainage Basin - an Overview	Yes	F. Stearns, et al.	6/74 Final	MW: Lake Michigan ANL/ES-40
ANL-MT-23	Environmental Status of the Lake Michigan Region, Vol. 15. Mammals of the Lake Michigan Drainage Basin	Yes	C. A. Long	5/74 Final	MW: Lake Michigan ANL/ES-40
ANL-MT-24	Environmental Status of the Lake Michigan Region, Vol. 7. Earthquake History and Measurement with Appli- cation to the Lake Michigan Drainage Basin	Yes	R. B. Keener	2/74 Final	MW: Lake Michigan ANL/ES-40

SUBJECT AREA: REGIONAL IMPACTS (Southeast)AS OF: APRIL 11, 1978

ORN-MT-41	Annual Progress Report - Environmental Sciences Division	Yes	S. I. Auerbach, et al.	12/77 Final	SE ORNL-5257
ORN-MT-13	Energy Conditions in the South: 1975	Yes	P. L. Rice	12/77 Final	SE ORNL/TM-5568
ORN-MT-8	The Application of a Time-Series Methodology to Federal Program Allocations	Yes	B. H. Bronfman	11/77 Final	Urban ORNL/TM-6116
ORN-MT-7	Multiregion -- A Simulation-Forecasting Model of BEA Economic Area Population and Employment	Yes	R. J. Olsen, et al.	10/77 Final	Generic ORNL/RUS-25
ORN-K-1	Energetics of Managed Land-Use Systems	No	J. M. Klopatek	10/77 Final	Generic
ORN-KT-1	Transportation Energy Conservation Data Book: Edition 2	Yes	D. B. Shonka, et al.	10/77 Final	Generic ORNL-5320
ORN-MT-43	The Role of Social Science Research in Meeting Energy Demands	No	T. Wilbanks	10/77 Draft	Generic ORNL-5351
ORN-MT-1	Developments in Ecology in Systems Analysis and Land-Use Planning	Yes	H. H. Shugart, et al.	9/77 Final	U. S. A. ORNL/TM-6009
ORN-N-9	Post Licensing Study of Community Effects at Two Operating Nuclear Power Plants	Yes	B. J. Purdy, et al.	9/77 Final	NE ORNL/NUREG/ TM-22
ORN-MT-31	Shift-Share Analysis Revisited: The Allocation Effect and Stability of Regional Structure	Yes	H. W. Herzog, R. J. Olsen	8/77 Final	Generic ORNL/TM-5918

SUBJECT AREA: REGIONAL IMPACTS (Southeast)AS OF: APRIL 11, 1978

ORN-N-1	Study of Community Leaders in a Nuclear Host Community: Local Issues, Expectations and Support and Opposition	Yes	B. H. Bronfman	8/77 Final	Tennessee ORNL/TM-5997
ORN-MT-6	Regional Studies Program Annual Report	Yes	R. M. Davis, et al.	8/77 Final	SE ORNL/TM-5838
ORN-MT-10	Water Resource Aspects of Inexhaustible Technology Deployment	No	J. R. Hyndman, J. F. Roach	8/77 Final	Generic
ORN-N-6	Citizens' Views About the Proposed Hartsville Nuclear Power Plant: A Survey of Resident's Perceptions in August 1975	Yes	E. D. Sundstrom, et al.	5/77 Final	SE ORNL/TM-5801
ORN-MT-19	Spectral Analysis of Forest Model Time Series	No	W. R. Emanuel, et al.	4/77 Final	SE ORNL-1059
ORN-MT-11	TEHM: A Terrestrial Ecosystem Hydrology Model	Yes	D. D. Huff, et al.	4/77 Final	Generic ORNL/NSF/ EATC-27
ORN-MT-2	CUMEX - A Cumulative Hazard Index for Assessing Limiting Exposures to Environmental Pollutants	Yes	P. J. Walsh, et al.	4/77 Final	Generic ORNL-5263
ORN-SA-1	User's Manual for FORAR, a Stand Model for Composition and Growth of Upland Forests of Southern Arkansas	Yes	D. L. Mielke, et al.	4/77 Final	Arkansas ORNL/TM-5767
ORN-N-2	The AIRDOS-II Computer Code for Estimating Radiation Dose to Man from Airborne Radionuclides in Areas Surrounding Nuclear Facilities	Yes	R. E. Moore	4/77 Final	Generic ORNL-5245

SUBJECT AREA: REGIONAL IMPACTS (Southeast)AS OF: APRIL 11, 1978

ORN-MT-12	Discrete Event Approach to Pollution Transport and Vegetation Effects	Yes	B. D. Murphy, K. R. Dixon	3/77 Final	Generic ORNL/CSD/TM-11
ORN-MT-23	A Composite Hazard Index for Assessing Limiting Exposures to Environmental Pollutants -- Case Study	No	E. M. Rupp, et al.	1977 Draft	Generic
ORN-MT-18	Regional Analysis and Environmental Impact Assessment	No	D. C. Parzyck, et al.	Not dated Draft	Generic
ORN-MT-20	Spectral Analysis and Forest Dynamics: The Effects of Perturbations on Long-Term Dynamics	No	W. R. Emanuel, et al.	1977 Final	SE
ORN-MT-21	RETADD: A Regional Trajectory and Diffusion-Deposition Model	No	C. L. Begovich, et al.	1977 Draft	Generic ORNL-TM-5859
ORN-MT-28	The Influence of Ground Cover on the Dry Disposition Rates of Gaseous Materials	Yes	B. D. Murphy	8/76 Final	Generic UCCND/CSD-19
ORN-MT-30	Regional Ecological Studies	Yes	M. M. McCarthy, et al.	7/76 Final	SE ORNL/RUS-24
ORN-MT-29	Structural Niches in a Forest Floor Small Mammal Community	Yes	R. D. Dheser, et al.	6/76 Final	Generic ORNL/TM-5004
ORN-MT-16	Development of an Appalachian Deciduous Forest Succession Model and its Application to Assessment of the Impact of the Chestnut Blight	No	H. H. Shugart, D. C. West	5/76 Final	SE

SUBJECT AREA: REGIONAL IMPACTS (Southeast)AS OF: APRIL 11, 1978

ORN-MI-27 Studies on Niche Theory and on
 Ecological Succession at the
 EDFB/IBP Oak Ridge Site

No	H. H. Shugart, et al.	Not Dated (At least 1975) Draft	Generic
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SUBJECT AREA: REGIONAL IMPACTS (Rocky Mountain)AS OF: APRIL 11, 1978

LAS-MT-1	Breaking the Stalemate: An Analysis of Boom Town Mitigation Policies	No	A. Ford	11/77 Final	Generic LA-7046-MS
LAS-MT-2	Air Quality and Energy Development in the Rocky Mountain West	Yes	G. Hinman, E. Leonard	9/77 Final	RM LA-6674
LAS-MT-3	Effects of Energy Development on Air Quality in the Rocky Mountain West	No	G. Hinman, E. Leonard	4/77 Final	RM LA-UR-77-1057
LAS-MT-13	A Time Series Profile of Urban Infrastructure Stocks in Selected Boom Towns in the Rocky Mountain States	Yes	A. F. Mehr, R. Cummings	4/77 Draft	RM LA-6687-MS
LAS-MT-4	Air Optimization Model of Energy Related Economic Development in the Upper Colorado River Basin under Conditions of Water and Energy Resource Scarcity	Yes	G. E. Morris	3/77 Final	RM LA-6732-T
LAS-MT-5	Methodology for the Analysis of the Impacts of Electric Power Production in the West: Executive Summary	Yes	A. Ford, H. W. Lorber	1/77 Final	W LA-6720-PR
LAS-CA-2	A Local Impact Model	Yes	M. D. McKay, L. A. Bruckner	1/77 Final	Generic LA-6665-MS
LAS-MT-12	A Prototype for a Regional Energy Information System	No	E. M. Leonard, L. L. Lynch	11/76 Final	Generic LA-UR-76-1428
LAS-MT-10	Appropriate Technology and Navajo Economic Development	Yes	C. D. Kolsted, et al.	10/76 Final	RM LA-6489

SUBJECT AREA: REGIONAL IMPACTS (Rocky Mountain)

AS OF: APRIL 11, 1978

LAS-MT-11 Proceedings Workshop on ERDA-Regional
 Program for the Rocky Mountain States

No	R. E.	10/76	RM
	Malenfunt	Final	LA-6541-C

SUBJECT AREA: REGIONAL IMPACTS (Far West)

AS OF: APRIL 11, 1978

LBL-MT-3	Potential Impacts of a 1978 California Drought	No	J. Sathaye	1/78 Draft	California
LBL-MT-4	A Water Conservation Scenario for Residential and Industrial Sectors in California: Potential Savings of Water and Related Energy	Yes	P. Benenson	8/77 Final	California LBL-6817
LLL-MT-1	Pumping Energy Requirements for Irrigation in California	No	G. T. Knutson, et al.	7/77 Final	California Spec. Pub. 3215
LBL-C-2	Impacts of Future Coal Use in California - Interim Report, NCUA	No	W. Siri, et al.	7/77 Final	California UCID-3941
LAS-MT-14	Energy Flow Patterns for 1975	Yes	R. B. Kidman, et al.	6/77 Draft	Generic LA-6770
LBL-MT-1	Effects of the Drought on California Electricity Supply and Demand	No	P. Benenson, et al.	6/77 Final	California LBL-6356
LBL-CC-1	Work Statement for an Assessment of Coal Utilization in California	No	Not stated	3/77 Final	California
LBL-MT-2	Production Cycles in Aquatic Microcosms	Yes	A. Jassby, et al.	2/77 Final	Generic LBL-5965
LLL-N-5	A Comparison of <u>In Situ</u> Gamma Soil Analysis and Soil Sampling Data for Mapping ^{241}Am and ^{239}Pu Soil Concentrations at the Nevada Test Site	No	J. Kirby, et al.	11/76 Draft	Nevada UCRL-78273

SUBJECT AREA: REGIONAL IMPACTS (Far West)AS OF: APRIL 11, 1978

LLL-MT-4	The 1972 Flow of Electrical Energy in California and its Relationship to Selected County Level Charac- teristic Parameters	Yes	K. Haven	10/76 Final	California UCRL-52143
LAS-MT-8	Summary Description of the BOOM 1 Model	Yes	A. Ford	9/76 Final	Generic LA-6424-MS
LAS-MT-9	User's Guide to the BOOM 1 Model	Yes	A. Ford	8/76 Final	Generic LA-6396-MS

SUBJECT AREA: REGIONAL IMPACTS (Pacific Northwest)AS OF: APRIL 11, 1978

PNL-MT-1	Energy and Water Consumption of Pacific Northwest Irrigation Systems	Yes	L. King, et al.	9/77 Final	NW BNWL-RAP-19
PNL-MT-5	The ELSA/ELDA Model, Linking Methodology and Simulation Results	No	A. E. Davis, D. W. Fraley	9/77 Draft	NW PNL-RAP-17
PNL-MT-2	Organizations Influencing Northwest Energy Policy and Management	Yes	G. L. Wilfert	8/77 Final	M BNWL-RAP-20 UC-11
PNL-C-6	Big Game Resource in the Powder River Basin Region, Montana-Wyoming	Yes	W. H. Rickard	7/77 Final	NW BNWL-2084-RAP-11
PNL-CC-2	Preliminary Assessment of the Health and Environmental Effects of Coal Utilization in the Pacific Northwest	No	J. Burnham	7/77 Draft	NW PNL-RAP-21
PNL-MT-6	Social Impact Assessment and Management Methodology Using Social Indicators and Planning Strategies	No	M. E. Olsen, et al.	7/77 Draft	Generic BNWL-20-84, RAP-18
PNL-CC-3	The Management of Social and Economic Impacts Associated with the Construction of Large-Scale Projects: Experience from the Western Coal Development Communities	Yes	M. Greene, M. Curry	6/77 Final	NW BNWL-RAP-16
PNL-MT-3	Energy Policy and Public Acceptance: Current and Future Directions	Yes	M. Curry, et al.	5/77 Final	NW BNWL-2084-RAP-15
PNL-N-1	Citizen Involvement in Energy Decision Making	Yes	M. Curry, M. Olsen	3/77 Final	NW BNWL-2084-RAP-14

SUBJECT AREA: REGIONAL IMPACTS (Pacific Northwest)AS OF: APRIL 11, 1978

PNL-MT-10	An Approach to Valuing Visual Pollution from Western Electricity Production	Yes	L. E. Erickson	2/77 Final	NW BNWL-2103
PNL-MT-12	Power Plant Construction: Productivity and Construction Period	Yes	S. C. Schute	2/77 Final	Generic BNWL-2124
PNL-MT-13	Social Values and Environmental Assessment in Thermal Power Plant Siting	No	J. C. King	2/77 Final	Generic BNWL-SA-6065
PNL-MT-4	ELSA: An Electric Power Supply Analysis Model for the Pacific Northwest	Yes	T. P. Harrington, J. J. Jacobsen	11/76 Final	NW BNWL-2084-RAP-8
PNL-K-1	Conserving Energy by Changing Societal Goals	No	M. E. Olsen	10/76 Final	Generic
PNL-CC-4	Estimating Agricultural Production and its Response to SO ₂ in the Pacific Northwest	Yes	R. Sauer	10/76 Final	NW BNWL-2084-RAP-10
PNL-MT-7	Systems Methodology for Assessing the Demographic Implications of Energy Development	Yes	J. J. Jacobsen	9/76 Final	Generic BNWL-2084-RAP-6
PNL-MT-8	Toward a Methodology for Conducting Social Impact Assessments Using Quality of Social Life Indicators	Yes	M. E. Olsen, et al.	7/76 Final	Generic BNWL-2084-RAP-2
PNL-C-5	A Program Plan for Performing Social Impact Assessment: A Case Study of Coal Development in the Powder River Region	Yes	M. Curry, et al.	6/76 Final	NW BNWL-2084-RAP-1
PNL-MT-11	Pacific Northwest Regional Assessment Program 1975 Annual Report	Yes	Not stated	6/76 Final	NW BNWL-2084-RAP-1

SUBJECT AREA: REGIONAL IMPACTS (Pacific Northwest)AS OF: APRIL 11, 1978

PNL-C-7	A New Look at Low Sulfur Coal Resources in Montana and Wyoming	No	D. S. Renne	6/76 Final	NW BNWL-SA-5847
PNL-MT-9	Environmental and Socioeconomic Aspects of Energy in the Pacific Northwest	No	H. Hollis- ter, W. H. Swift	12/75 Final	NW

SUBJECT AREA: REGIONAL IMPACTS (Offsite)AS OF: APRIL 11, 1978

OFF-KB-1	Energy Conservation and Thermal Comfort in a New York City High Rise Office Building	No	Not stated	1978 Final	New York
OFF-MT-22	Social and Economic Consequences of Energy Facility Siting in New England: First Summary Report	No	D. Sander- son, MIT	1/78 Draft	NE
OFF-MT-3	Alaska Regional Energy Resources Planning Project. Incomplete copy	No	ADC	8/77 Draft	Alaska
OFF-MT-23	Fair Compensation and the Boom Town Problem	No	M. O'Hare, D. Sander- son, MIT	7/77 Final	Generic
OFF-MT-9	State Response to the Adverse Impacts of Energy Development in Texas	No	D. Stinson MIT	6/77 Final	Texas
OFF-MT-20	Mapping Project on Energy and the Social Sciences	No	C. Walker Yale U.	6/77 Draft	Generic COO-4287-6
OFF-MT-21	Predicting the Local Impacts of Energy Development: A Critical Guide to Forecasting Methods and Models	No	D. Sander- son, M. O'Hare MIT	5/77 Final	Generic
OFF-MT-12	State Response to the Adverse Impacts of Energy Development in Colorado	No	L. A. Monaco MIT	5/77 Final	Colorado
OFF-MT-10	State Responses to the Adverse Impacts of Energy Development in No. Dakota	No	C. Lu MIT	5/77 Final	No. Dakota
OFF-MT-11	State Responses to the Adverse Impacts of Energy Development in Wyoming	No	R. B. Foster MIT	4/77	Wyoming

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OFF-MT-19 EIA Review

No	W.	Not	Generic
	Lairdman	stated	
	MIT	Final	