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LABORATORY**



**Energy Availabilities for State
and Local Development:
1975 Data Volume**

J. B. Mills
P. L. Rice
D. P. Vogt

**OPERATED BY
UNION CARBIDE CORPORATION
FOR THE UNITED STATES
DEPARTMENT OF ENERGY**

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ENERGY AVAILABILITIES FOR STATE AND LOCAL DEVELOPMENT:
1975 DATA VOLUME

J. B. Mills
P. L. Rice
D. P. Vogt

Economic Analysis Section
Energy Division

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ABSTRACT

This report is one of a continuing series developed by the Oak Ridge National Laboratory with financial support from the Economic Development Administration to present the supply, demand, and net imports of seven fuel types of four final consuming sectors for Bureau of Economic Analysis Areas (BEAs), states, census regions, and the nation in 1975. The data are formatted to present regional energy availability from primary extraction as well as from regional transformation processes. The tables depict energy balances between availability and use for each specific fuel. In keeping with the Metric Conversion Act of 1975 this volume has been reported in joules rather than in Btu's. This is an appropriate time to implement metric units in our series since the underlying data base has been considerably expanded resulting in more accurate regional data.

The objective of this series is to provide a consistent base of historic and projected energy information within a standard format. Such a framework should aid regional policy makers in their consideration of regional growth issues that may be influenced by the regional energy system. For analysis of specific regions, however, this basic data should be supplemented by additional information which only the local policy analyst can bring to bear in his assessment of the energy conditions that characterize his region.

I. INTRODUCTION

This volume supplements *Energy Availabilities for State and Local Development: A Methodological and Data Overview*¹ and the data volumes for 1972, 1973, and 1974. The 1975 data volume contains energy supply and demand information for the United States, 9 census regions, 50 states, and 173 BEAs. Energy demand in 1975 for four final consuming sectors as well as domestic supply and net imports of seven fuel types are presented in the form of energy balance statements for each of these geographic regions in this volume.

The regional energy statements present a consistent format for monitoring and reporting changes in historic and projected energy availability that have generally been measured at the national level. However, at the regional level the unequal distribution and the impact of such changes have been more difficult to measure. The identification of areas with significant differences in energy supply and use patterns could pinpoint potential shortages of energy and provide the Economic Development Administration and other users with information to plan and implement economic development programs at both the national and regional level.

ORNL has developed a computerized Regional Energy Balance System (REBS).² In designing this system we have focused primarily on the relationship between economic activity and energy usage. The selection of an appropriate regional grid was, therefore, based on a system of functional economic regions for which reliable economic data were available. BEA regions, defined in Section VI, by design represent labor market boundaries and are approximate energy load centers, a concept commonly used in electricity consumption analysis. BEAs can be

¹P. L. Rice and D. P. Vogt, *Energy Availabilities for State and Local Development: A Methodological and Data Overview*, ORNL/TM-5890, June 1977.

²The Regional Energy Balance System is discussed in *Energy Availabilities for State and Local Development: A Methodological and Data Overview*, Ibid.

disaggregated by county groups and these BEA portions then reaggregated consistent with state boundaries to facilitate comparisons by state energy offices. By using the 173 BEA regions as a basic unit of analysis, we have retained a sufficient level of detail to conduct meaningful regional economic analysis at the substate, state, and multistate level.

A brief description of the regional energy statements included in this report precedes the presentation of the data. A bibliographic list of the major data sources and a section presenting the relevant joules conversion factors are also included.

One caveat is in order. The numbers reported here should be interpreted as our best estimates of regional energy consumption and availability given the available published sources and the adequacy of our procedure. The data do not represent an aggregation of exact information in all cases.

II. THE STRUCTURE OF THE REGIONAL ENERGY BALANCE STATEMENT

The Regional Energy Balance Statement is designed to show *where* and in *what* fuel form a region's energy is expected to be used and *how* this energy is likely to be provided. Each table is separated into three major sections representing energy consumption, domestic production, and energy imports of the region. The data are internally processed in thermal equivalent units incorporating average conversion measures (see Section V). The 1975 tables differ from those for previous years in that they are presented in metric units. The unit of measure used is 10^{12} joules where 1054.8 joules equals one (1) Btu. The use of metric units also serves to underscore a substantial revision of the basic data used to construct the final demand portion of the tables.

The consumption section is further classified into two subsections. The first category reports energy used by ultimate consumers in the residential and commercial, industrial, transportation, and miscellaneous sectors. This category is termed "Final Demand." The second category contains energy transformation processes. These processes consume energy in one form and provide it to final demand sectors in a second form. Total energy consumption by the transformation sector is defined as a (net) conversion loss and interpreted as a component of final regional demand. A positive number in the transformation sector represents an input to the conversion process, and a negative number represents an output.

The energy supply sector consists of fossil fuel extraction and electricity generated by hydropower, nuclear, solar, and geothermal sources. Nuclear power generation is included here because it was felt that it was unnecessary to trace the flow of uranium from point of extraction to point of processing, to point of end use. Most BEA areas using enriched uranium must import it.

Finally, regional net imports represent the projected balance between energy consumption and production in the region. The net imports reflect the underlying regional capacity to provide fuel to local users.

However, this figure does not measure the gross volume of exports and imports because there may be substantial counterflows. Moreover, the tables do not describe the source, destination, or reliability of the actual interregional energy flows.

Regional Consumption

Table 1 illustrates 1975 energy production and usage in the United States. The 1974, 1973, and 1972 tables are presented in Tables 2, 3, and 4 to facilitate temporal comparisons.

During 1975 rising energy prices and an unsettled state of the economy continued to reduce energy consumption in the United States. Total energy consumed by the final demand sectors declined by 5.6% from 1974 to 1975 as compared to a decline of 3.7% from 1973 to 1974 and a rise of 3.8% from 1972 to 1973. While real GNP fell by 2% from 1974 to 1975, the recession bottomed out in the first quarter of 1975 and real GNP increased for the remainder of the year. This suggests a large portion of this decline in energy consumption resulted from conservation measures, price induced or otherwise.

Total net usage of energy declined by 2.9%, 2.6 percentage points less than final demand, reflecting a probable change in the rate of inventory accumulations during 1975. This is indicated by the relatively large (2%) losses and omissions computed for 1975 relative to 1972 and 1973. Losses and omissions are determined by comparing total consumption and supply. Total consumption (the sum of the demand and transformation sectors) declined by 3.5% while total supply (domestic production and net imports) declined 2.9%. Consumption thus declined at a faster rate than supply, indicating a buildup in inventories (or in the case of some fuels, a decline in the rate of inventory depletion).

While the decrease in final demand for energy is not evenly distributed across sectors and fuels, the reader should be warned that a number of definitional changes were introduced. Direct comparisons between the components of the final demand sectors in the 1975 tables and the tables for earlier years may be inappropriate in some instances. These changes are described more fully in Section III.

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,636,687	834,122	-	2,399,729	-	7,305,041	175,021	3,496,413	16,937,016	23%
INDUSTRIAL	1,424,135	1,237,241	979,004	4,406,267	-	7,356,228	3,646,940	2,439,647	21,489,465	30%
TRANSPORTATION	2,014,833	662,735	12,648,130	2,192,474	-	738,350	386	95,329	18,352,241	25%
MISCELLANEOUS USES	183,190	207,818	-	55,335	-	904,709	993	207,111	1,569,159	2%
TOTAL FINAL DEMAND SECTORS	6,258,847	2,941,917	13,627,134	9,053,806	-	16,304,331	3,823,341	6,238,502	58,247,882	81%
TRANSFORMATION										
ELECTRICITY GEN.	223,496	3,091,661	-	32,406	-	3,380,445	10,299,910	-5,167,284	11,360,635	16%
PETROLEUM PRODUCTS	-5,950,269	-2,990,533	-13,244,872	-6,425,930	27,783,688	1,103,045	-	-	275,127	0%
NATURAL GAS	-	-	-	-2,534,975	-	2,738,386	-	-	203,410	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-5,726,773	101,127	-13,244,872	-8,928,499	27,783,688	7,221,877	10,299,910	-5,167,284	12,339,173	17%
TOTAL GROSS FLOWS	6,482,343	6,033,579	13,627,134	3,096,213	27,783,688	23,526,208	14,123,252	6,238,502	70,587,056	98%
LOSSES & OMISSIONS	-189,958	-187,661	-14,703	-524	120,517	307,958	1,009,978	681,180	1,726,786	2%
TOTAL NET USAGE	342,116	2,855,384	367,558	124,782	27,904,205	23,834,165	15,133,230	1,752,398	72,313,842	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	18,586,804	22,883,304	15,876,588	-	58,346,697	97%
HYDROELECTRIC	-	-	-	-	-	-	-	1,096,465	1,096,465	2%
NUCLEAR	-	-	-	-	-	-	-	621,620	621,620	1%
GEO. & SOLAR	-	-	-	-	-	-	-	12,052	12,052	0%
TOTAL SUPPLY	-	-	-	-	18,586,804	22,883,304	16,876,588	1,730,139	60,076,836	
NET IMPORTS OF REGION	342,116	2,855,384	367,558	124,782	9,317,400	950,861	-1,743,357	22,258	12,237,005	

NOTES:

1	TRANSFORMATION LOSS FOR ELECTRICITY GEN.	= 69.65%
2	TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS	= 0.95%
3	TRANSFORMATION LOSS FOR NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR SYN-GAS	= 0.0%

UNITED STATES

1974

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	3,027,587	940,063	-	2,312,440	-	7,471,365	313,806	3,487,156	17,552,417	24%
INDUSTRIAL	775,797	1,286,440	-	1,286,440	-	10,567,171	4,355,691	2,562,763	23,718,866	32%
TRANSPORTATION	2,237,977	747,856	13,424,759	2,294,828	-	722,423	2,203	15,359	19,445,406	26%
MISCELLANEOUS USES	62,645	226,649	-	139,546	-	458,186	-	89,029	976,059	1%
TOTAL FINAL DEMAND SECTORS	6,104,010	3,201,008	13,424,759	8,917,817	-	19,219,145	4,671,701	6,154,308	61,692,748	83%
TRANSFORMATION										
ELECTRICITY GEN.	316,495	3,198,511	-	36,719	-	3,692,679	9,159,112	-5,195,272	11,208,344	15%
PETROLEUM PRODUCTS	-5,983,011	-2,589,555	-12,933,255	-6,608,706	27,094,239	1,158,753	-	-	138,464	0%
NATURAL GAS	-	-	-	-1,488,934	-	1,625,741	-	-	136,808	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-5,666,516	609,055	-12,933,255	-8,060,921	27,094,239	6,477,172	9,159,112	-5,195,272	11,483,615	15%
TOTAL GROSS FLOWS	6,420,505	6,399,619	13,424,759	8,954,536	27,094,239	25,696,317	13,830,813	6,154,308	73,176,363	98%
LOSSES & OMISSIONS	186,880	-38,163	-85,253	-506,334	247,048	463,571	562,341	601,124	1,331,216	2%
TOTAL NET USAGE	624,374	3,771,900	406,251	250,562	27,341,287	26,159,889	14,393,156	1,560,160	74,507,579	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	19,583,370	25,084,521	15,841,051	-	60,508,942	98%
HYDROELECTRIC	-	-	-	-	-	-	-	1,094,834	1,037,954	2%
NUCLEAR	-	-	-	-	-	-	-	410,240	410,240	1%
GEO. & SOLAR	-	-	-	-	-	-	-	9,390	9,390	0%
TOTAL SUPPLY	-	-	-	-	19,583,370	25,084,521	15,841,051	1,514,464	62,023,406	
NET IMPORTS OF REGION	624,374	3,771,900	406,251	250,562	7,757,917	1,075,368	-1,447,895	45,696	12,484,173	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=	68.33%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=	.49%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	=	8.42%
4	TRANSFORMATION LOSS FOR	SYN-GAS	=	0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	3,298,361	1,076,305	-	2,535,739	-	7,583,969	312,764	3,482,040	18,289,178	24%
INDUSTRIAL	846,430	1,345,459	-	4,216,819	-	11,238,155	4,616,430	2,522,184	24,785,476	32%
TRANSPORTATION	2,277,418	772,633	13,982,320	2,156,433	-	784,353	3,155	17,947	19,994,259	26%
MISCELLANEOUS USES	73,103	258,550	-	111,073	-	468,287	-	89,020	1,000,033	1%

TOTAL FINAL DEMAND SECTORS	6,495,311	3,452,947	13,982,320	9,020,004	-	20,074,764	4,932,349	6,111,191	64,068,946	84%

TRANSFORMATION										
ELECTRICITY GEN.	277,432	3,396,063	-	83,091	-	3,909,504	9,112,375	-5,268,257	11,510,209	15%
PETROLEUM PRODUCTS	-6,324,502	-2,351,518	-13,278,952	-6,889,077	27,758,196	1,265,374	-	-	179,521	0%
NATURAL GAS	-	-	-	-1,413,347	-	1,624,384	-	-	211,037	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	0%

NET FUEL USED IN TRANSFORMATION	-6,047,070	1,044,545	-13,278,952	-8,219,333	27,758,196	6,799,262	9,112,375	-5,268,257	11,900,767	16%

TOTAL GROSS FLOWS LESSSES & OMISSIONS	6,772,723	6,849,010	13,982,320	9,103,155	26,316,075	26,874,026	14,044,724	6,111,191	75,969,713	100%
	411,444	-59,503	-442,669	-430,110	42,084	101,762	233,522	488,746	335,281	0%

TOTAL NET USAGE	859,685	4,427,989	260,699	370,621	27,800,281	26,975,788	14,278,247	1,331,681	76,304,994	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	20,561,047	25,822,864	15,634,046	-	62,017,956	98%
HYDROELECTRIC	-	-	-	-	-	-	-	978,800	978,800	2%
NUCLEAR	-	-	-	-	-	-	-	293,604	293,604	0%
GEO.&SOLAR	-	-	-	-	-	-	-	7,880	7,880	0%

TOTAL SUPPLY	-	-	-	-	20,561,047	25,822,864	15,634,046	1,280,284	63,298,240	

NET IMPORTS OF REGION	859,685	4,427,989	260,699	370,621	7,239,234	1,152,924	-1,355,799	51,397	13,006,754	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 68.60%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.62%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 12.99%
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0%

Table 4. REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
[ALL UNITS IN 10 ⁹ BTU'S]									
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	3,337,145	1,040,221	-	2,456,895	-	7,504,118	244,554	3,235,708	17,818,641
INDUSTRIAL	755,133	1,253,129	-	3,947,091	-	11,032,659	4,172,407	2,374,657	23,535,077
TRANSPORTATION	1,972,981	681,337	13,408,303	1,990,064	-	823,047	-	16,088	18,891,822
MISCELLANEOUS USES	66,516	243,288	-	31,694	-	459,193	-	81,360	887,052
TOTAL FINAL DEMAND SECTORS	6,131,775	3,222,975	13,408,303	8,425,744	-	19,819,017	4,416,961	5,707,813	61,132,592
TRANSFORMATION									
ELECTRICITY GEN.	304,389	2,889,173	-	153,719	-	4,172,768	8,127,743	5,021,829	10,625,964
PETROLEUM PRODUCTS	-5,862,760	-1,923,298	-2,709,766	-6,531,917	25,966,176	1,275,506	-	-	214,042
NATURAL GAS	-	-	-	-1,587,200	-	1,751,116	-	-	163,915
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-5,558,371	965,875	-12,709,767	-7,965,298	25,966,176	7,199,390	8,127,743	5,021,829	11,003,921
TOTAL GROSS FLOWS LOSSES & OMISSIONS	6,436,165	6,112,143	13,408,303	8,579,463	25,966,176	27,018,409	12,544,704	5,707,813	72,136,513
	-176,000	76,765	-566,765	46,767	-154,100	-615,850	1,713,884	515,431	686,597
TOTAL NET USAGE	397,404	4,112,085	131,771	507,213	25,812,076	26,402,557	14,258,588	1,201,415	72,823,110
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	20,891,586	25,333,750	15,685,560	-	61,910,898
HYDROELECTRIC	-	-	-	-	-	-	-	979,865	979,865
NUCLEAR	-	-	-	-	-	-	-	193,092	193,092
GEO. & SOLAR	-	-	-	-	-	-	-	819	819
TOTAL SUPPLY	-	-	-	-	20,891,586	25,333,750	15,685,560	1,173,776	63,084,674
NET IMPORTS OF REGION	394,404	4,112,085	131,771	507,213	4,920,490	1,068,807	-1,426,972	27,639	9,738,436

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 0.0 %
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0 %

A portion of electricity generation is included as a transformation sector in which the output is total generated electricity by fossil plants (in joules) less the joule content of the fuels consumed, where the conversion rate for electrical output is that of end use rather than fossil fuel equivalents. The output (indicated as negative demand) of electricity by fossil fuel plants in 1975 was 5.2 EJs requiring total fuel consumption of 3.4 EJs of natural gas, 10.3 EJs of coal, and 3.3 EJs of petroleum products.³ The fuel loss in the conversion process, treated as the consumption of this sector, was 11.9 EJs, implying an efficiency in the transformation of fossil fuels of approximately 31%.

The fuel mix of the electric utility sector changed slightly in favor of coal between 1973 and 1974. More significantly, the share of electricity generated by fossil fuel (80% in 1973) decreased by 3% from 1973 to 1974 and by 2% from 1974 to 1975.

The net consumption of fuel used in all transformation sectors is presented in the row labeled "Net Fuel Used in Transformation." In 1975 the transformation sectors converted 27.8 EJs of oil, 7.2 EJs of gas, and 10.3 EJs of coal into 27.8 EJs of refined petroleum products and 5.2 EJs of electricity. The transformation process required the consumption of 12.3 EJs of energy.

Two additional summary rows are presented in the consumption portion of the tables. The row labeled "Total Gross Flows," is the column sum of the positive elements in both the final demand and the transformation sectors. This value represents the gross consumption of each fuel (neglecting the regional production of transformed energy products). This row is used primarily to allocate losses and omissions. A positive value in the losses and omissions row indicates an under-assignment of fuels to specific categories, inventory accumulations, or distribution losses. A negative error value indicates an over-assignment of consumption to a particular fuel or sector, an understatement of production, or a depletion of stocks. The overall error, indicated in the "Sector

³An EJ is defined as an exajoule (10^{18} joules) and is equal to 1.0548 quads (10^{15} Btus).

Total" column, was 2% of gross flows in 1975. The overall error for 1975 is higher than in 1972 and 1973, indicating an increase in inventories.

The total regional demand for fuel less the supply of energy by the transformation sector, presented in the row labeled "Total Net Usage," decreased by 2.9% between 1974 and 1975 to 72.3 EJs. This energy demand is met by primary regional production and regional imports.

Regional Supply

The total supply of all forms of primary energy is given in the row labeled "Total Supply." Distillate oil, residual oil, gasoline, and other hydrocarbons have zero values, indicating that these products are not regarded as primary energy sources. The domestic production of crude oil, natural gas, and coal declined by 3.6% between 1974 and 1975 as compared to a decline of 2.4% between 1973 and 1974. The other primary fuels considered in the analysis include electricity generated by hydroelectric, nuclear, geothermal, and solar sources. Electricity generated by these sources increased by 14.2% from 1974 to 1975.

Primary electricity generation from hydro and nuclear sources was converted to joules by the end use rate of 3,599,821 J/kWh, rather than fossil fuel equivalents in order to maintain overall balance in the tables. The fossil fuel equivalent conversion rates are often used in supply-oriented analysis to address the potential effects of fuel switching in electrical generation. This approach would artificially inflate the total energy produced in a region, however, and might lead to a different impression of the importance of each fuel and its contribution to end use electrical consumption.

To investigate the implications of fuel switching in electrical generation, the increase in generation by hydro and nuclear power and the reduction in demand for fossil fuels can be derived by using the appropriate transformation loss for the region. No effort was made in this study to provide a direct comparison of the fossil fuel savings attained from substituting geothermal, solar, or hydroelectric inputs, though this can be done easily using the information available in the table notes.

For example, the average transformation loss for fossil fuel generation of electricity is approximately 70%. For every kWh generated by hydro or nuclear sources, 11,999,405 joules of fossil fuels do not have to be consumed. To get the same end use availability of electricity, 8,399,583 joules of energy do not have to be produced. Since the uranium refinement process itself requires electricity, the net saving in nuclear generation would be somewhat less.

Regional Imports

The data in the tables represent the spatial patterns of consumption and production, but do not characterize the interrelationships of the flows. The concept of regional imports considered is a simple accounting statement of the difference between how much is used in a region and how much is produced.

The tables were constructed to balance so that the sum of row totals equals the sum of column totals. The last row thus represents the net regional imports by fuel (a negative number indicates exports). The number in the last row and column provides a measure of the net energy imports of the region, characterizing it by its external reliance upon energy supplies.

At the national level, the tables report estimated net imports equal to the actual data (12.2 EJ in 1975, a 2% decline from the 1974 figure). Any initial differences between estimated and measured net imports at the national level are then allocated to regions based on each region's share of total gross usage of each fuel. These differences are reported in the row labeled "Losses and Omissions."

Net regional imports by fuel type are computed as total net usage less regional supply. The regional imports, unlike the national imports, are not a direct measure of the actual import/export flows of energy, but are derived from the consumption and production data.

The interpretation of these regional imports must be qualified. A region may show up as a net importer of energy, though these imports may be supplied under long-term contractual agreement with producers in

other regions. Consequently, even though a region may appear vulnerable to changes in the energy distribution system, the region could in actuality have a fairly stable energy position. In a number of cases there are substantial counterflows of energy, where a region may export as well as import a given fuel.

Certainly not all of the regionally produced energy is used to satisfy local demand, nor should that be inferred from the tables.

The tables indicate the net amount of energy imported, but do not indicate the source. To reiterate, there is no attempt made in the regional energy balance tables to depict energy flows among BEAs or states.⁴

⁴P. L. Rice, State Energy Flows in 1975, ORNL/TM-6977, October 1977.

III. SPECIAL CHARACTERISTICS OF THE 1975 DATA TABLES

The presentation format of the data and the methodology used in constructing the Regional Energy Balance Statements provide a consistent framework for examining the variety of interactions involved in energy production and consumption. There are, however, several methodological differences in our approach to measuring energy consumption in the final demand sectors for 1975 as compared to the methods used in 1972 through 1974.

The final demand portion of the table is composed of four elements: (1) residential and commercial, (2) industrial, (3) transportation, and (4) miscellaneous.

In earlier volumes of this series a set of national coefficients, modified by each state's relative use of energy as compared to the national average were applied to population and two digit regional employment patterns to disaggregate state energy totals for these sectors into substate components.⁵ In this way, we accounted for substate differences in economic composition as a determinant of energy consumption. In order to obtain a higher degree of regional discrimination in the 1975 data series, we developed a more detailed state level data base before the substate regionalization. The sectoral level, which was used for the improved state series, was based on the sectoral definitions used in ORNL's MULTIREGION⁶ model. The relationship between the aggregated sectors reported in the tables and the underlying detailed sectoral information actually maintained in the basic data series is presented in Tables 5 and 6. The REBS aggregate fuels are defined in Table 7.

In developing this series, improvements over the earlier data were obtained for all the major sectors by integrating, in a consistent manner, a wide variety of different energy consumption data series. The details of this procedure are too extensive to document here but are maintained at

⁵P. L. Rice and D. P. Vogt, *Energy Availabilities for State and Local Development: A Methodological Overview*, ORNL/TM-5890, June 1977.

⁶R. J. Olson et al., *MULTIREGION: A Simulation-Forecasting Model of BEA Economic Area Population and Employment*, ORNL/RUS-25, Dec. 1977.

Table 5. The relationship between MULTIREGION codes and the Standard Industrial Classification

MULTIREGION code	SIC code	MULTIREGION industry name
1	1, 2, 7	Agriculture
2	8, 9	Forestry and fisheries
3	10	Metal mining
4	11, 12	Coal mining
5	13	Crude petrol, and natural gas mining
6	14	Nonmetallic except fuels mining
7	15-17	Contract construction
8	20	Food and kindred products
9	22	Textile mill products
10	23	Apparel
11	27	Printing and publishing
12	28	Chemicals and allied products
13	24, 25	Lumber products and furniture
14	35	Nonelectrical machinery
15	36	Electrical equipment
16	371	Motor vehicles and equipment
17	372-379	Other transportation equipment
18	26	Paper and allied products
19	29	Petroleum refining
20	33	Primary metals
21	34	Fabricated metals and ordnance
22	30-32, 38, 39, 21	All other manufacturing
23	40	Railroad transportation
24	42	Trucking and warehousing
25	41, 44-47	Other transportation
26	48	Communications
27	49	Public utilities
28	50, 51	Wholesale trade
29	52-59	Retail trade
30	60-67	Finance, insurance, and real estate
31	70, 72	Lodging and personal services
32	73, 75, 76	Business and repair services
33	78, 79, 84	Amusement and recreation services
34	88	Private households
35	80-83, 86, 89	Professional services
36	43, 91-96, 972	Public administration
37	971	Armed forces
38		Population

Table 6. Components of the REBS final demand sectors

Final demand sector (REBS)	SIC code	MULTIREGION code
Residential		38
Commercial*	48-89	26-35*
Industrial	01-39	1-22
Transportation†	40-42, 44-47	23-25
Miscellaneous uses	43, 91-96, 972 971 Military	36

* Fuel use by electric utilities to generate power is not included here. Fuels used to heat an electric utilities office building would be included however.

† In addition to the fuels used by the designated industries, this sector also included fuels used for transportation by other sectors, i.e., gasoline used to power private automobiles.

ORNL in the form of working papers describing the detailed energy series by state and MULTIREGION sector. The general nature of the improvements is as follows: energy use by the industrial sector was collected at the two-digit level and a matrix balance technique was implemented to assure consistency with state and national totals and to estimate appropriate values for gaps in our basic data sources (see Section IV). A similar procedure was used to provide detailed data for the transportation sector.⁷ Finally, residential and commercial energy consumption was decomposed at the state rather than the national level through the use of a much broader data base on a fuel-by-fuel basis.

Having obtained the more refined state-level detailed energy consumption data series by MULTIREGION sector and fuel type, we then were able to use a simpler disaggregation procedure to allocate this state total to substate areas. Initially, the state level consumption

⁷The primary data for this sector are in the form of unpublished tables developed by David Greene, Transportation Energy Group, Regional and Urban Studies Section, Energy Division, ORNL, in the preparation of an end use energy consumption data base for the transportation sector.

Table 7. Definition of the REBS fuel aggregates

Component fuel names	Aggregate fuel name
Electricity	Electricity
Anthracite coal	Coal
Bituminous coal	Coal
Metallurgical coal	Coal
Natural gas	Natural gas
Distillate fuel oil	Distillate
Diesel fuel	Distillate
Residual fuel oil	Residual
Kerosene	Other hydrocarbons
Asphalt	Other hydrocarbons
Road oil	Other hydrocarbons
Liquid propane gas	Other hydrocarbons
Liquid refinery gas	Other hydrocarbons
Still gas	Other hydrocarbons
Gasoline	Other hydrocarbons
Jet fuel (naphtha)	Other hydrocarbons
Jet fuel (kerosene)	Other hydrocarbons
Lubricants	Other hydrocarbons
Miscellaneous feedstocks	Other hydrocarbons
Petroleum coke	Other hydrocarbons
Wax	Other hydrocarbons
Naphtha	Other hydrocarbons
Special naphtha	Other hydrocarbons
Ethane	Other hydrocarbons

estimates were allocated to substate areas based on each substate region's share of the state's employment in that sector under consideration.⁸ In several instances we were then able to override these simple share-down estimates based on more exact regional values from secondary sources, e.g., jet fuel and marine bunkering fuel were allocated only to those substate areas which had commercial airports and harbors. In both cases, we were able to use a regionally specific activity variable to allocate fuel consumption to the relevant BEAs.

The energy supply and transformation data is obtained by accumulating region-specific information, but the regional consumption data, which may not be comparable to other series, is estimated with an allocation procedure. The structure for generating the balance statements uses the information contained in the more reliable national energy supply and import data to provide a measure of the error in the consumption estimates. Once energy supply and transformation data are accumulated and net imports determined, the amount of energy available for consumption is known. The difference between availability and consumption is estimated as "Losses and Omissions." Since these consumption estimates are developed by a non-statistical process, a traditional measure of error for each component is not available. An average measure of the uncertainty associated with the data can be constructed, however, by applying the ratio of "Losses and Omissions" to total consumption to individual sector consumption estimates.

A large number of significant digits were retained in generating the tables to ensure that the summation of BEA data would be consistent with the national totals presented in the U.S. table. The individual consumption figures should be viewed as "best" point estimates but not interpreted as exact figures.

⁸While we still ignore substate differences in energy prices, we are continually investigating methods of incorporating this variable in our model. An example of work in this area is David Paul Vogt, *A Framework for the Analysis of Regional Energy Consumption*, a paper presented at the Eastern Economic Association Meeting, Boston, Mass., May 10, 1979.

Regional Consumption of Coal

In computing the 1972 data table, we observed a relatively large error for "Losses and Omissions" of 13.7% of gross flows for coal. Most of this error was accounted for by unreported shipments and changes in inventories as explained in Supplement I. In the 1975 table we compute an error of 7.2% of gross flows which is similarly accounted for.

A portion of the difference between the production and consumption data for coal is attributable to unreported shipments of coal (provided to mine-mouth operations or delivered from captive mines). It appears that in 1975 about 2.1% of gross flows should be accounted for by this coal consumption of industrial users.

Secondly, changes in inventories are reported in the "Losses and Omissions" row since this coal is reported as shipped, but not consumed. Historical aggregate time series indicate an error of about 5.1% of gross flows should be accounted for by the increase in stocks which occurred in 1975. Following an inventory depletion in 1971, the utilities increased their coal stocks in 1972. The 1973 data indicate a subsequent depletion of these accumulated stocks which continued into 1974. In 1975 this trend was reversed and stocks increased. The negative error due to stock accumulation compounds the error of 2.1% due to unreported shipments yielding a net error of 7.2% of gross flows.

Summary

The Regional Energy Balance Statements were developed to provide an overall view of the relationship of a region's net energy consumption and production patterns. To interpret the complete energy picture for a single region, one may wish to bring additional data to bear such as information as to actual flows and prior commitments.

The tables are not intended to suggest historical or potential limits on specific regions, but to provide a consistent base of energy information. Such a framework should aid regional policy makers in their consideration of the regional growth implications of the regional

energy system. The general framework must be supplemented by region-specific information which only the local policy analyst can bring to bear in an assessment of the energy conditions which characterize each region.

IV. DATA SOURCES

Demand

The input data required to perform the regional demand disaggregation is extensive and is only summarized here. To perform the regional disaggregation of the basic state level data series, 133,110 regional energy coefficients were estimated. The published primary data sources do not provide a consistent series for all sectors and fuels considered, such that many approximations and independent judgments were necessary. Consequently, the computer allocation procedure was in some cases overridden to provide an appropriate estimate.

For purposes of this report, only the major primary sources are listed below. One of the outputs of the computer program is a complete list of the specific sources used to determine the values for the energy and activity variables. Since this is a voluminous listing, it is not included in this document, but is available at Oak Ridge National Laboratory as supporting documentation.

Population and Employment Data:

Bjornstad, D. J., et al., *Long-term Projections of Population and Employment for Regions of the United States (Series TOPS-R2. ORPERS)*, ORNL/TM-6557, December 1978.

Olson, R. J., et al., *MULTIREGION: A Simulation-Forecasting Model of BEA Economic Area Population and Employment*, ORNL/RUS-25, December 1977.

U.S. Bureau of the Census, *Annual Survey of Manufactures*, Government Printing Office, Washington, D.C., 1977.

U.S. Bureau of the Census, *County Business Patterns: 1972*, Government Printing Office, Washington, D.C., 1973.

U.S. Bureau of the Census, *County Business Patterns: 1975*, Government Printing Office, Washington, D.C., 1978.

U.S. Bureau of the Census, *Detailed Housing Characteristics, Census of Housing: 1970*, Government Printing Office, Washington, D.C.

U.S. Bureau of the Census, *Statistical Abstract of the United States: 1972*, (93rd edition), Government Printing Office, Washington, D.C., 1972.

U.S. Bureau of the Census, *Statistical Abstract of the United States: 1973*, (94th edition), Government Printing Office, Washington, D.C., 1973.

U.S. Bureau of the Census, *Statistical Abstract of the United States: 1974*, (95th edition), Government Printing Office, Washington, D.C., 1974.

U.S. Bureau of the Census, *Statistical Abstract of the United States: 1975*, (96th edition), Government Printing Office, Washington, D.C., 1975.

Energy Data:

American Gas Association, *Gas Facts: 1975*, Arlington, Va., 1976.

Cohn, Steve, *Fuel Choice and Aggregate Energy Demand in the Commercial Sector*, ORNL/CON-27, December 1978.

Edison Electric Institute, *Statistical Yearbook of the Electric Utility Industry for 1975*, New York, 1976.

Hoch, Irving, *Energy Use in the United States by State and Region, Resources for the Future*, Washington, D.C., 1978.

Jack Faucett Associates, Inc., *National Energy Accounts: Energy Flows in the U.S., 1947-1972*, JACKFAU-75-122-8, Chevy Chase, Md., Nov. 1975.

U.S. Bureau of the Census, *Fuels and Electric Energy Consumed, Annual Survey of Manufactures: 1975*, U.S. Government Printing Office, Washington, D.C., 1977.

U.S. Bureau of Mines, *Crude Petroleum, Petroleum Products, and Natural Gas Liquids: 1975, Mineral Industry Surveys*, U.S. Government Printing Office, Washington, D.C., 1977.

- U.S. Bureau of Mines, *Metals, Minerals, and Fuels, Minerals Yearbook*, Vol. 1, U.S. Government Printing Office, Washington, D.C., 1977.
- U.S. Bureau of Mines, *Natural Gas Production and Consumption: 1975, Mineral Industry Surveys*, U.S. Government Printing Office, Washington, D.C., 1976.
- U.S. Economic Research Service, *Energy and U.S. Agriculture: 1974 Data Base*, Government Printing Office, Washington, D.C., 1977.
- U.S. Energy Information Administration, *Sales of Fuel Oil and Kerosene in 1976*, Energy Data Reports, Government Printing Office, Washington, D.C., 1977.
- U.S. Energy Information Administration, *Sales of Liquefied Petroleum Gases and Ethane in 1976*, Energy Data Reports, Government Printing Office, Washington, D.C., 1978.
- U.S. Federal Highway Administration, *Highway Statistics: 1975*, Government Printing Office, Washington, D.C., 1976.
- U.S. Federal Power Commission, *Capacity, Generation, Fuel Consumption by Month: 1972-1975*, Form 4 Data Tape, Washington, D.C.

Supply

Like the demand data, the documentation of each supply variable is difficult given the variety of sources utilized and the different allocation techniques employed. The primary distinguishing feature between the supply and demand data, however, is that the majority of the supply data is available at the county level, such that the allocation schemes play a minor role in determining BEA energy production. The numbers generally represent actual rather than estimated production. The data sources employed and a short description of the methodology are indicated below for coal, oil, natural gas, and associated petroleum and natural gas products.

Coal Production:

1975 *Minerals Yearbook*, U.S. Department of the Interior, Bureau of Mines, Washington, D.C., 1978.

Crude Oil and Natural Gas:

All oil and gas producing states were surveyed to obtain county (or field) estimates of their 1975 production of oil and natural gas. New York was the only state which did not respond to the survey. The oil and gas production in that state was allocated to BEA 9 (Cattaraugus and Allegany Counties) based on the location of oil and gas fields in the state. West Virginia reported that they do not maintain county or field-level information for oil and gas production. Oil and gas production was allocated based on 1974 levels, which were in turn determined from information in the *Minerals Yearbook*. These two states accounted for less than 0.1% of the total oil production and about 0.8% of the total gas production in 1975.

The oil and gas production estimates by county for Louisiana, Texas, and Mississippi were used to allocate the reported state total of the Bureau of Mines to eliminate definitional inconsistencies between the state agencies and the Bureau of Mines concerning condensate, casinghead gas, gas from wet zones, etc.

The estimates of all other state agencies were assumed to supersede those of the Bureau of Mines when differences occurred.

For natural gas estimates, it was necessary to allocate the Bureau of Mines state totals for Kentucky, Illinois, Indiana, North Dakota, Pennsylvania, and Maryland, since these states reported crude oil production by county, but no information was provided on natural gas. Together, these states accounted for only 0.9% of the total natural gas production. The 1974 estimates upon which the allocations were based were determined from a regression analysis utilizing information on drilling activity such as footage, success ratios, the number of proven gas and oil wells, the percentage of gas from associated wells, etc. Even with these

allocations, 99% of the total natural gas produced in 1975 was distributed among counties exactly according to state agency reports.

These state agencies are as follows:

Alabama State Oil and Gas Board
 Alaska Department of Natural Resources
 Arizona Oil and Gas Conservation Commission
 Arkansas Oil and Gas Commission
 California Resources Agency, Division of Oil and Gas
 Colorado Oil and Gas Conservation Commission
 Florida Department of Natural Resources
 Illinois State Geological Survey
 Indiana Department of Natural Resources
 Kansas Geological Survey
 Kentucky Department of Mines and Minerals
 Louisiana Department of Conservation
 Michigan Department of Natural Resources
 Mississippi State Oil and Gas Board
 Missouri State Oil and Gas Council
 Montana Oil and Gas Conservation Division
 Nebraska Oil and Gas Conservation Commission
 Nevada Department of Conservation and Natural Resources
 New Mexico Oil Conservation Commission
 North Dakota Geological Survey
 Ohio Department of Natural Resources
 Oklahoma Corporation Commission — Oil and Gas Conservation Division
 Pennsylvania Department of Environmental Resources
 South Dakota Geological Survey
 Tennessee Department of Conservation — Division of Geology
 Texas Railroad Commission
 Utah Division of Oil and Gas Conservation
 West Virginia Geological and Economic Survey
 Wyoming Oil and Gas Conservation Division

Twenty-nine of the 30 oil producing states accounted for 99.9% of oil production.

Petroleum Refining:

The output of jet fuel, kerosene, distillates, residual oil, asphalt, and other hydrocarbons is reported by refining district (11) rather than by state in the *Minerals Yearbook*. Gasoline production is reported by state.⁹ County production of each output, excluding asphalt, was determined by using county refining capacity (available by plant) and crude oil and natural gas liquids demanded by refineries in each state. Asphalt production by county was determined based upon a plant's specific capacity for asphalt production. The gasoline production numbers, then, are controlled at the state level, and the other hydrocarbons controlled at the refinery region level (11 regions). The demand for natural gas by refiners was allocated based upon refining capacity. Crude runs to stills were allocated based upon the input and output of each state as well as the county refining capacity.

Natural Gas Processing:

Annual reports containing information about the number of plants, their capacity, throughput, and production are submitted to the *Oil and Gas Journal*, Petroleum Publishing Company, Tulsa, Oklahoma, when capacity is in excess of 75 million cubic feet per day. A complete survey was conducted in 1974 and 1976 and published in the *International Petroleum Encyclopedia*, Petroleum Publishing Company, Tulsa, Oklahoma. The data are given alphabetically by plant and aggregated to counties to serve as the basis for allocating the capacity of the smaller plants (less than 70 Mft³ daily).

The state output of natural gas liquids is published in *Crude Petroleum, Petroleum Products, and Natural Gas Liquids: 1975*, U.S. Department of the Interior, Bureau of Mines, Washington, D.C., 1977.

⁹Some states are lumped together in the reporting of both gasoline production and crude runs to stills (demand for crude). The disaggregation to states was then based upon reported plant refining capacity.

The state output is allocated to counties based upon processing capacity. The throughput of these processing plants is defined to include extraction loss; gas used at plants, returned to formation, vented and flared; and any other gas which is not shipped to transmission companies or directly delivered to consumers. The U.S. throughput is allocated based on the actual output of each state and its processing capacity in each county.

V. CONVERSION FACTORS TO 10^{12} JOULES

Fuel	Units	Conversion factor
Crude oil	1,000 barrels	6.11784
Natural gas (consumption)	1,000,000 cubic feet	1.08012
Natural gas (production)	1,000,000 cubic feet	1.15290
Electricity	1,000,000 kilowatt hours	3.59898
Distillate oil and diesel fuel	1,000 barrels	6.14421
Residual oil	1,000 barrels	6.63153
Gasoline and Naphtha	1,000 barrels	5.53559
Asphalt and road oil	1,000 barrels	6.99965
Kerosene	1,000 barrels	5.98072
Jet fuel (kerosene)	1,000 barrels	5.98072
Jet fuel (naphtha)	1,000 barrels	5.64845
Ethane	1,000 barrels	3.25129
Liquid gases	1,000 barrels	4.23080
Lubricants	1,000 barrels	6.39715
Wax	1,000 barrels	5.84080
Coke (coal)	1,000 tons	31.70708
Coke (petroleum)	1,000 barrels	6.35412
Still gas	1,000 barrels	6.32880
Refinery gas	1,000 barrels	6.11362
Natural gas liquids	1,000 barrels	4.25362
Petroleum feedstocks	1,000 barrels	6.11362
Naphthas	1,000 barrels	5.53559
Miscellaneous petroleum products	1,000 barrels	6.11362
Anthracite coal	1,000 tons	26.79192
Bituminous coal		
Alabama	1,000 tons	27.15055
Alaska	1,000 tons	24.11273
Arizona	1,000 tons	23.03683
Arkansas	1,000 tons	26.85521
California	1,000 tons	26.83411

Fuel	Units	Conversion factor
Bituminous coal (continued)		
Colorado	1,000 tons	23.54314
Connecticut	1,000 tons	28.18426
Delaware	1,000 tons	28.18426
District of Columbia	1,000 tons	28.26864
Florida	1,000 tons	26.85521
Georgia	1,000 tons	26.85521
Hawaii	1,000 tons	26.47970
Idaho	1,000 tons	22.76258
Illinois	1,000 tons	24.02834
Indiana	1,000 tons	24.47136
Iowa	1,000 tons	24.02834
Kansas	1,000 tons	25.67383
Kentucky	1,000 tons	26.85521
Louisiana	1,000 tons	27.15055
Maine	1,000 tons	28.26864
Maryland	1,000 tons	28.26864
Massachusetts	1,000 tons	28.26864
Michigan	1,000 tons	25.94808
Minnesota	1,000 tons	22.76258
Mississippi	1,000 tons	27.15055
Missouri	1,000 tons	24.02834
Montana	1,000 tons	22.76258
Nebraska	1,000 tons	25.67383
Nevada	1,000 tons	23.03683
New Hampshire	1,000 tons	28.26864
New Jersey	1,000 tons	28.18426
New Mexico	1,000 tons	24.34478
New York	1,000 tons	28.18426
North Carolina	1,000 tons	26.85521
North Dakota	1,000 tons	14.93597
Ohio	1,000 tons	25.94808
Oklahoma	1,000 tons	26.62315

Fuel	Units	Conversion factor
Oregon	1,000 tons	26.83411
Pennsylvania	1,000 tons	28.18426
Rhode Island	1,000 tons	28.26864
South Carolina	1,000 tons	26.85521
South Dakota	1,000 tons	15.06254
Tennessee	1,000 tons	26.85521
Texas	1,000 tons	13.92336
Utah	1,000 tons	26.83411
Vermont	1,000 tons	28.26864
Virginia	1,000 tons	27.80453
Washington	1,000 tons	20.39983
West Virginia	1,000 tons	28.26864
Wisconsin	1,000 tons	24.02834
Wyoming	1,000 tons	21.74998

1 Btu = 1054.8 Joules

VI. MULTIREGION POPULATION AND EMPLOYMENT ESTIMATES
FOR 1975

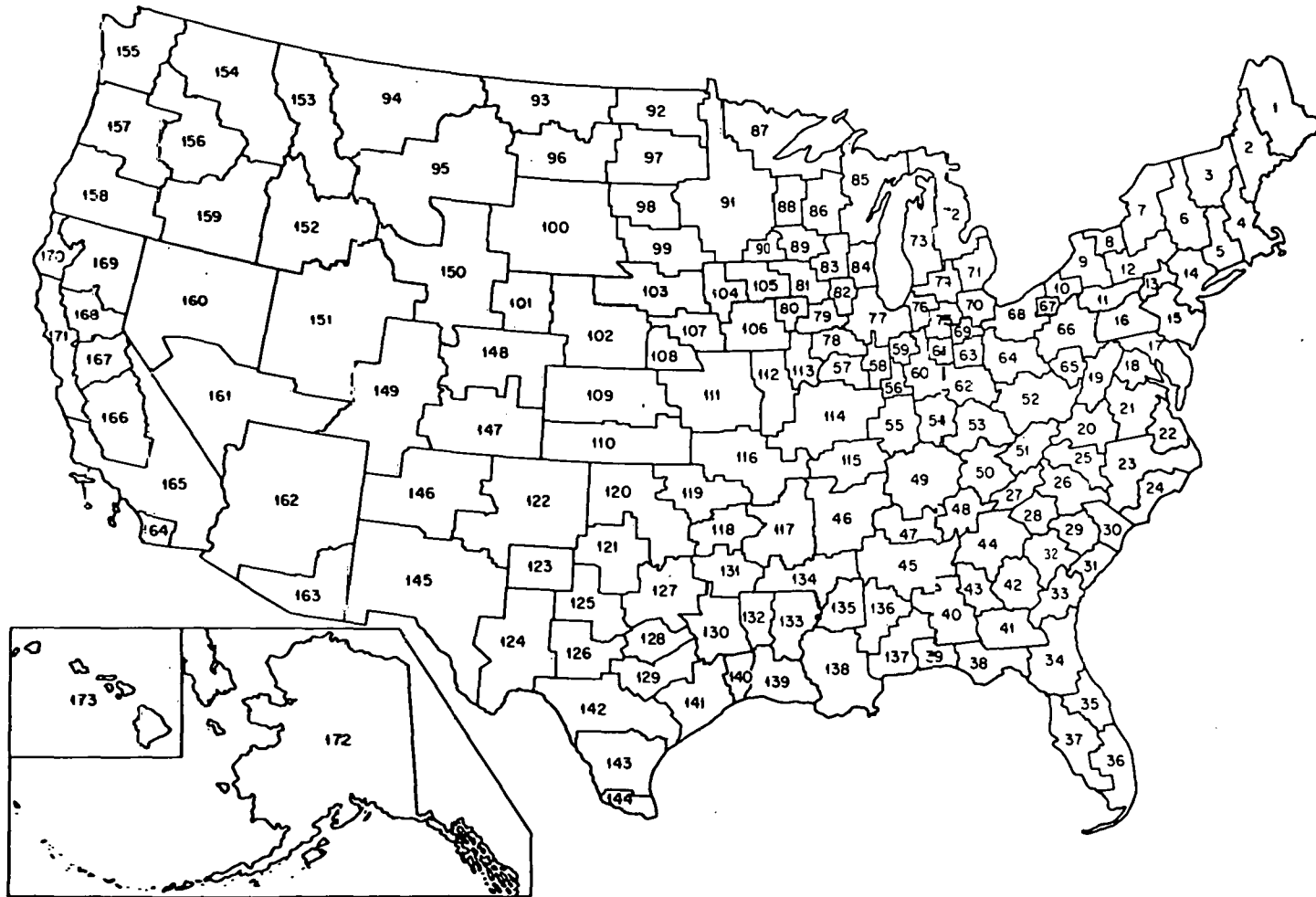
BEA Number	BEA Name	Population (Thousands of persons)	Employment (Thousands of persons)
0	United States Total	213445	87689
1	Bangor, ME	340	127
2	Portland-South Portland, ME	792	318
3	Burlington, VT	534	216
4	Boston, MA	6542	2792
5	Hartford, CT	3070	1358
6	Albany-Schenectady-Troy, NY	1385	559
7	Syracuse, NY	1474	570
8	Rochester, NY	1041	451
9	Buffalo, NY	1778	705
10	Erie, PA	473	182
11	Williamsport, PA	435	168
12	Binghamton, NY-PA	775	298
13	Wilkes Barre-Hazleton, PA	712	294
14	New York, NY	18115	7774
15	Philadelphia, PA-NJ	7489	3182
16	Harrisburg, PA	1810	787
17	Baltimore MD	2794	1208
18	Washington, DC-MD-VA	3268	1540
19	Staunton, VA	432	181
20	Roanoke, VA	884	374
21	Richmond, VA	1071	466
22	Norfolk-Portsmouth, VA	1305	545
23	Raleigh, NC	1761	730
24	Wilmington, NC	526	214
25	Greensboro-Winston Salem-High Point, NC	1210	552
26	Charlotte, NC	1599	739
27	Asheville, NC	424	171
28	Greenville, SC	891	387
29	Columbia, SC	675	277
30	Florence, SC	436	164
31	Charleston, SC	473	186
32	Augusta, GA	470	198
33	Savannah, GA	429	168
34	Jacksonville, FL	1205	472
35	Orlando, FL	1130	433
36	Miami, FL	3004	1169
37	Tampa-St. Petersburg, FL	2289	781
38	Tallahassee, FL	392	151
39	Pensacola, FL	415	168
40	Montgomery, AL	728	276
41	Albany, GA	486	188

BEA Number	BEA Name	Population (Thousands)	Employment (Thousands of persons)
42	Macon, GA	514	204
43	Columbus, GA-AL	485	206
44	Atlanta, GA	2581	1145
45	Birmingham, AL	1810	680
46	Memphis, TN-AR	1783	678
47	Huntsville, AL	708	282
48	Chattanooga, TN-GA	789	317
49	Nashville, TN	1551	644
50	Knoxville, TN	983	353
51	Bristol, VA-TN	810	284
52	Huntington-Ashland, WV-KY-OH	1344	427
53	Lexington, KY	827	305
54	Louisville, KY-IN	1262	532
55	Evansville, IN-KY	788	313
56	Terre Haute, IN	254	103
57	Springfield, IL	502	214
58	Champaign-Urbana, IL	394	174
59	Lafayette-West Lafayette, IN	256	110
60	Indianapolis, IN	1671	718
61	Anderson, IN	553	225
62	Cincinnati, OH-KY-IN	1928	770
63	Dayton, OH	1164	502
64	Columbus, OH	1858	757
65	Clarksburg, WV	346	121
66	Pittsburgh, PA	3656	1370
67	Youngstown-Warren, OH	775	300
68	Cleveland, OH	4230	1794
69	Lima, OH	282	115
70	Toledo, OH	1084	445
71	Detroit, MI	5276	2071
72	Saginaw, MI	858	308
73	Grand Rapids, MI	1208	453
74	Lansing, MI	1078	447
75	Fort Wayne, IN	621	271
76	South Bend, IN	772	325
77	Chicago, IL	8243	3623
78	Peoria, IL	654	279
79	Davenport-Rock Island-Moline, IA-IL	617	258
80	Cedar Rapids, IA	337	147
81	Dubuque, IA	309	122
82	Rockford, IL	564	246
83	Madison, WI	490	218
84	Milwaukee, WI	2121	921
85	Appleton-Oshkosh, WI	979	372
86	Wausau, WI	379	147
87	Duluth-Superior, MN-WI	426	153

BEA Number	BEA Name	Population (Thousands of persons)	Employment (Thousands of persons)
88	Eau Claire, WI	240	94
89	LaCrosse, WI	282	112
90	Rochester, MN	252	106
91	Minneapolis-St. Paul, MN	3078	1327
92	Grand Forks, ND	230	83
93	Minot, ND	181	66
94	Great Falls, MT	228	91
95	Billings, MT	263	104
96	Bismark, ND	149	54
97	Fargo-Moorhead, ND-MN	345	129
98	Aberdeen, SD	134	51
99	Sioux Falls, SD	366	147
100	Rapid City, SD	242	92
101	Scottsbluff, NE	104	40
102	Grand Island, NE	332	138
103	Sioux City, IA-NE	457	181
104	Fort Dodge, IA	265	105
105	Waterloo, IA	431	172
106	Des Moines, IA	808	348
107	Omaha, NE-IA	835	356
108	Lincoln, NE	337	151
109	Salina, KS	348	137
110	Wichita, KS	729	289
111	Kansas City, MO-KS	2296	1012
112	Columbia, MO	425	177
113	Quincy, IL	295	121
114	St. Louis, MO-IL	3242	1328
115	Paducah, KY	586	210
116	Springfield, MO	901	330
117	Little Rock-North Little Rock, AR	962	357
118	Fort Smith, AR-OK	340	129
119	Tulsa, OK	1089	433
120	Oklahoma City, OK	1241	510
121	Wichita Falls, TX	460	181
122	Amarillo, TX	440	173
123	Lubbock, TX	337	132
124	Odessa, TX	321	128
125	Abilene, TX	274	102
126	San Angelo, TX	131	55
127	Dallas, TX	2946	1329
128	Killeen-Temple, TX	466	191
129	Austin, TX	672	268
130	Tyler, TX	599	229
131	Texarkana, TX-AR	356	132
132	Shreveport, LA	464	164
133	Monroe, LA	546	179

BEA Number	BEA Name	Population (Thousands)	Employment (Thousands of persons)
134	Greenville, MS	496	165
135	Jackson, MS	550	202
136	Meridian, MS	411	144
137	Mobile, AL	774	284
138	New Orleans, LA	2253	806
139	Lake Charles, LA	775	277
140	Beaumont-Port Arthur-Orange, TX	403	151
141	Houston, TX	2696	1151
142	San Antonio, TX	1343	502
143	Corpus Christi, TX	533	193
144	McAllen-Pharr-Edinburg, TX	413	122
145	El Paso, TX	744	273
146	Albuquerque, NM	642	229
147	Colorado Springs, CO	571	229
148	Denver, CO	1750	744
149	Grand Junction, CO	289	105
150	Cheyenne, WY	246	100
151	Salt Lake City, UT	1210	454
152	Idaho Falls, ID	337	131
153	Butte, MT	256	94
154	Spokane, WA	730	279
155	Seattle-Everett, WA	2434	1032
156	Yakima, WA	429	161
157	Portland, OR-WA	1781	714
158	Eugene, OR	605	228
159	Boise City, ID	304	123
160	Reno, NV	249	103
161	Las Vegas, NV	385	162
162	Phoenix, AZ	1637	616
163	Tucson, AZ	544	202
164	San Diego, CA	1574	662
165	Los Angeles-Long Beach, CA	10943	4707
166	Fresno, CA	1102	401
167	Stockton, CA	705	258
168	Sacramento, CA	1204	473
169	Redding, CA	194	70
170	Eureka, CA	126	46
171	San Francisco-Oakland, CA	5383	2372
172	Anchorage, AK	350	140
173	Honolulu, HI	864	377

First Code	State Name	Population (Thousands)	Employment (of persons)
0	US Total	213445	87689
1	Alabama	3633	1366
2	Alaska	350	140
4	Arizona	2181	818
5	Arkansas	2086	763
6	California	21232	8989
8	Colorado	2521	1050
9	Connecticut	3102	1377
10	Delaware	574	241
11	Dist of Columbia	716	393
12	Florida	8256	3107
13	Georgia	4967	2107
15	Hawaii	864	377
16	Idaho	795	308
17	Illinois	11195	4865
18	Indiana	5327	2228
19	Iowa	2879	1200
20	Kansas	2290	940
21	Kentucky	3387	1281
22	Louisiana	3788	1344
23	Maine	1055	414
24	Maryland	4160	1813
25	Massachusetts	5877	2508
26	Michigan	9155	3554
27	Minnesota	3961	1665
28	Mississippi	2318	824
29	Missouri	4783	1987
30	Montana	734	283
31	Nebraska	1538	653
32	Nevada	592	251
33	New Hampshire	769	320
34	New Jersey	7186	3100
35	New Mexico	1122	398
36	New York	18219	7600
37	North Carolina	5470	2374
38	North Dakota	633	232
39	Ohio	10791	4467
40	Oklahoma	2736	1087
41	Oregon	2288	907
42	Pennsylvania	12015	4927
44	Rhode Island	974	418
45	South Carolina	2821	1157
46	South Dakota	679	267
47	Tennessee	4217	1716
48	Texas	12236	4979
49	Utah	1211	453
50	Vermont	472	190
51	Virginia	4970	2118
53	Washington	3550	1457
54	West Virginia	1802	608
55	Wisconsin	4611	1925
56	Wyoming	357	142



Location of BEA areas

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VII. REGIONAL ENERGY BALANCE STATEMENTS

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Census Region Tables

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REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	511,435	180,721	-	93,587	-	196,975	425	158,550	1,141,694	38%
INDUSTRIAL	49,980	171,917	31,909	44,145	-	42,642	6,998	74,671	422,285	14%
TRANSPORTATION	87,114	17,178	669,830	235,144	-	2,544	-	2,533	1,014,345	34%
MISCELLANEOUS USES	18,495	21,244	-	2,998	-	8,983	-	5,035	56,758	2%

TOTAL FINAL DEMAND SECTORS	667,026	391,082	701,739	375,875	-	251,145	7,423	240,790	2,635,084	89%

TRANSFORMATION										
ELECTRICITY GEN.	5,178	452,691	-	386	-	2,724	50,712	-162,496	349,196	12%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	5,178	452,691	-	386	-	2,724	50,712	-162,496	349,196	12%

TOTAL GROSS FLOWS	672,204	843,773	701,739	376,261	-	253,870	58,136	240,790	2,984,280	100%
LOSSES & OMISSIONS	-19,698	-26,243	-757	-21	-	3,323	4,157	26,291	-12,948	0%

TOTAL NET USAGE	652,506	817,530	700,982	376,239	-	257,193	62,293	104,586	2,971,332	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	21,777	21,777	23%
NUCLEAR	-	-	-	-	-	-	-	71,938	71,938	77%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	93,715	93,715	

NET IMPORTS OF REGION	652,506	817,530	700,982	376,239	-	257,193	62,293	10,870	2,877,616	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=68.24%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	920,024	430,837	-	253,447	-	1,087,395	62,536	454,891	3,209,133	32%
INDUSTRIAL	240,968	295,903	92,748	368,432	-	456,965	993,523	308,518	2,757,061	27%
TRANSPORTATION	222,009	104,636	1,692,177	166,292	-	37,154	-	24,910	2,247,179	22%
MISCELLANEOUS USES	29,776	66,442	-	8,174	-	52,041	-	29,132	185,568	2%
TOTAL FINAL DEMAND SECTORS	1,412,779	897,820	1,784,925	796,346	-	1,633,556	1,056,060	817,452	8,398,943	84%

TRANSFORMATION										
ELECTRICITY GEN.	63,710	786,023	-	27	-	24,929	1,267,177	-636,930	1,504,937	15%
PETROLEUM PRODUCTS	-623,918	-379,854	-1,172,691	-535,475	2,637,243	12,237	-	-	-62,458	0%
NATURAL GAS	-	-	-	-200	-	216	-	-	15	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-550,208	406,169	-1,172,691	-535,648	2,637,243	37,383	1,267,177	-636,930	1,442,494	14%
TOTAL GROSS FLOWS	1,476,490	1,683,844	1,784,325	795,374	2,637,243	1,670,939	3,323,238	817,452	9,903,896	99%
LOSSES & OMISSIONS	-43,266	-52,372	-1,325	-45	11,439	21,872	166,138	89,257	191,097	2%
TOTAL NET USAGE	309,304	1,251,617	610,307	260,652	2,648,683	1,692,812	2,489,376	269,778	10,032,535	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	24,370	52,523	2,371,280	-	2,448,173	91%
HYDROELECTRIC	-	-	-	-	-	-	-	112,570	112,570	4%
NUCLEAR	-	-	-	-	-	-	-	115,700	115,700	4%
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	24,370	52,523	2,371,280	228,271	2,676,445	

NET IMPORTS OF REGION	609,304	1,251,617	610,307	260,652	2,624,312	1,640,288	118,096	41,507	7,356,089	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=70.26%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-2.36%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.32%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	536,151	80,324	-	484,389	-	2,328,126	62,050	595,002	4,086,043	27%
INDUSTRIAL	220,382	158,115	185,482	634,134	-	1,335,010	1,395,204	537,450	4,465,781	30%
TRANSPORTATION	340,203	12,885	2,390,086	148,192	-	88,303	-	14,420	2,994,091	20%
MISCELLANEOUS USES	19,105	8,587	-	8,328	-	89,262	-	43,991	169,275	1%

TOTAL FINAL DEMAND SECTORS	1,115,842	259,913	2,575,568	1,275,045	-	3,840,702	1,457,255	1,190,864	11,715,192	78%

TRANSFORMATION										
ELECTRICITY GEN.	54,048	162,958	-	9,806	-	136,419	3,433,507	-1,122,716	2,574,023	18%
PETROLEUM PRODUCTS	-1,002,875	-326,887	-2,464,357	-873,402	4,627,384	126,503	-	-	86,364	1%
NATURAL GAS	-	-	-	-43,272	-	46,744	-	-	3,472	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-948,826	-163,929	-2,464,357	-906,867	4,627,384	309,666	3,433,507	-1,122,716	2,763,860	18%

TOTAL GROSS FLOWS	1,169,891	422,871	2,575,568	1,284,851	4,627,384	4,150,369	4,890,762	1,190,864	14,479,052	97%
LOSSES & OMISSIONS	-34,282	-13,152	-2,779	-74	20,072	54,328	349,746	130,030	503,889	3%

TOTAL NET USAGE	132,733	82,831	108,431	368,103	4,647,456	4,204,697	5,240,509	198,178	14,982,942	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	376,794	199,900	3,258,882	-	3,835,577	96%
HYDROELECTRIC	-	-	-	-	-	-	-	13,978	13,978	0%
NUCLEAR	-	-	-	-	-	-	-	143,220	143,220	4%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	376,794	199,900	3,258,882	157,198	3,992,776	

NET IMPORTS OF REGION	132,733	82,831	108,431	368,103	4,270,662	4,004,797	1,981,626	40,979	10,990,166	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=70.43%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.82%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	176,959	14,084	-	287,925	-	789,507	10,093	266,436	1,545,107	27%
INDUSTRIAL	189,081	43,549	176,341	219,978	-	503,389	143,549	132,076	1,407,965	25%
TRANSPORTATION	178,887	5,710	1,066,187	174,285	-	125,322	-	6,298	1,556,693	27%
MISCELLANEOUS USES	7,048	1,820	-	5,233	-	80,904	-	12,469	107,476	2%
TOTAL FINAL DEMAND SECTORS	551,976	65,165	1,242,529	687,424	-	1,499,223	153,643	417,281	4,617,243	81%
TRANSFORMATION										
ELECTRICITY GEN.	22,445	41,668	-	3,571	-	281,864	918,511	-355,339	913,891	16%
PETROLEUM PRODUCTS	-397,739	-74,234	-845,150	-268,188	1,538,427	85,766	-	-	38,880	1%
NATURAL GAS	-	-	-	-135,129	-	145,971	-	-	10,842	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-374,323	-32,366	-845,150	-399,746	1,538,427	513,602	918,511	-355,339	963,614	17%
TOTAL GROSS FLOWS	573,351	107,033	1,242,529	690,995	1,538,427	2,012,826	1,072,154	417,281	5,580,858	98%
LOSSES & OMISSIONS	-16,861	-3,329	-1,340	-39	6,673	26,347	76,671	45,562	133,684	2%
TOTAL NET USAGE ¹	160,791	29,469	396,037	287,537	1,545,100	2,039,174	1,148,826	107,504	5,714,543	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	530,400	1,027,489	289,909	-	1,847,799	94%
HYDROELECTRIC	-	-	-	-	-	-	-	55,747	55,747	3%
NUCLEAR	-	-	-	-	-	-	-	64,671	64,671	3%
GEO. & SOLAR	-	-	-	-	-	-	-	155	155	0%
TOTAL SUPPLY	-	-	-	-	530,400	1,027,489	289,909	120,574	1,968,373	
NET IMPORTS OF REGION	160,791	29,469	396,037	287,637	1,014,700	1,011,685	658,916	-13,069	3,746,170	

NOTES:

1	TRANSFORMATION LOSS FOR ELECTRICITY GEN.	= 72.00%
2	TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS	= 2.39%
3	TRANSFORMATION LOSS FOR NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	255,404	78,131	-	305,618	-	526,823	22,829	654,006	1,842,813	19%
INDUSTRIAL	257,699	336,874	133,872	232,907	-	476,150	517,870	328,483	2,293,867	24%
TRANSPORTATION	294,573	57,801	2,097,849	413,300	-	44,030	-	15,630	2,928,246	30%
MISCELLANEOUS USES	24,075	58,006	-	14,899	-	53,730	-	32,490	183,173	2%
TOTAL FINAL DEMAND SECTORS	831,753	530,813	2,231,722	971,725	-	1,100,775	540,699	1,030,610	7,238,100	75%
TRANSFORMATION										
ELECTRICITY GEN.	39,763	865,569	-	18,387	-	212,512	2,081,429	-995,411	2,222,250	23%
PETROLEUM PRODUCTS	-119,309	-72,641	-200,895	-115,794	506,117	2,330	-	-	-223	0%
NATURAL GAS	-	-	-	-54,998	-	59,412	-	-	4,414	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-79,545	792,927	-200,895	-152,405	506,117	274,225	2,081,429	-995,411	2,226,441	23%
TOTAL GROSS FLOWS	871,517	1,396,383	2,231,722	990,112	506,117	1,375,001	2,622,129	1,030,610	9,464,765	97%
LOSSES & OMISSIONS	-25,538	-43,431	-2,408	-57	2,195	17,998	187,512	112,532	248,803	3%
TOTAL NET USAGE	726,668	1,280,309	2,028,418	819,262	508,313	1,393,000	2,809,642	147,730	9,713,346	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	270,387	244,459	4,152,245	-	4,667,091	95%
HYDROELECTRIC	-	-	-	-	-	-	-	72,396	72,396	1%
NUCLEAR	-	-	-	-	-	-	-	164,522	164,522	3%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	270,387	244,459	4,152,245	236,918	4,904,009	
NET IMPORTS OF REGION	726,668	1,280,309	2,028,418	819,262	237,926	1,148,540	-1,342,602	-89,187	4,809,336	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.06%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-0.04%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	SASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	43,766	1,056	-	223,281	-	316,217	11,148	293,788	889,259	16%
INDUSTRIAL	99,424	65,172	52,920	385,423	-	444,816	403,292	311,482	1,762,532	32%
TRANSPORTATION	161,384	51,738	860,735	136,119	-	111,464	-	5,944	1,327,358	24%
MISCELLANEOUS USES	11,791	5,791	-	4,035	-	33,117	-	10,114	64,851	1%

TOTAL FINAL DEMAND SECTORS	316,366	123,760	913,625	748,860	-	905,615	414,441	621,330	4,044,001	73%

TRANSFORMATION										
ELECTRICITY GEN.	12,884	62,352	-	-	-	40,799	1,589,145	-503,211	1,201,969	22%
PETROLEUM PRODUCTS	-248,932	-93,491	-475,237	-280,358	1,097,562	44,276	-	-	42,819	1%
NATURAL GAS	-	-	-	-20,217	-	21,839	-	-	1,622	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-236,048	-31,138	-475,237	-300,575	1,097,562	106,915	1,589,145	-503,211	1,246,411	23%

TOTAL GROSS FLOWS	329,251	186,112	913,625	748,860	1,097,562	1,012,531	2,003,586	621,330	5,290,413	96%
LOSSES & OMISSIONS	-9,648	-5,788	-985	-43	4,760	13,254	143,279	67,842	212,671	4%

TOTAL NET USAGE	70,670	86,833	435,402	448,242	1,102,333	1,025,785	2,146,866	185,961	5,503,085	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	421,023	199,333	4,691,732	-	5,312,089	98%
HYDROELECTRIC	-	-	-	-	-	-	-	98,838	98,838	2%
NUCLEAR	-	-	-	-	-	-	-	10,094	10,094	0%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	421,023	199,333	4,691,732	108,933	5,421,022	

NET IMPORTS OF REGION	70,670	86,833	436,402	448,242	681,300	826,451	-2,544,866	77,028	82,062	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 70.49%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 3.75%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 7.43%
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	45,198	2,624	-	390,767	-	614,021	53	420,477	1,473,142	12%
INDUSTRIAL	162,238	58,467	138,288	1,974,017	-	3,051,450	25,612	291,627	5,701,702	47%
TRANSPORTATION	318,130	254,331	1,468,341	187,650	-	202,350	-	9,396	2,440,210	20%
MISCELLANEOUS USES	33,924	32,022	-	7,414	-	302,699	-	24,209	400,270	3%
TOTAL FINAL DEMAND SECTORS	559,491	347,445	1,606,629	2,559,849	-	4,170,532	25,666	745,711	10,015,326	82%

TRANSFORMATION										
ELECTRICITY GEN.	1,745	77,356	-	-	-	2,187,465	125,928	-788,410	1,504,085	13%
PETROLEUM PRODUCTS	-2,712,934	-1,022,656	-5,729,825	-3,016,618	11,924,238	700,328	-	-	142,521	1%
NATURAL GAS	-	-	-	-1,990,989	-	2,150,749	-	-	159,759	1%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-2,711,189	-945,309	-5,729,825	-5,007,608	11,924,238	5,038,543	125,928	-788,410	1,906,366	16%
TOTAL GROSS FLOWS LOSSES & OMISSIONS	561,237 -16,446	424,802 -13,212	1,606,629 -1,733	2,559,849 -147	11,924,238 51,723	9,209,075 120,546	151,594 10,840	745,711 81,423	11,921,693 232,995	98% 2%
TOTAL NET USAGE	-2,168,143	-611,076	-4,124,929	-2,447,905	11,975,962	9,329,622	162,435	38,724	12,154,688	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	12,545,022	18,618,054	242,777	-	31,405,855	100%
HYDROELECTRIC	-	-	-	-	-	-	-	30,398	30,398	0%
NUCLEAR	-	-	-	-	-	-	-	17,557	17,557	0%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	12,545,022	18,618,054	242,777	47,955	31,453,811	

NET IMPORTS OF REGION	-2,168,143	-611,076	-4,124,929	-2,447,905	-569,060	-9,288,432	-80,342	-9,230	-19,299,122	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 67.05%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.13%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	59,312	6,783	-	153,326	-	417,400	5,289	159,819	801,933	21%
INDUSTRIAL	83,344	27,573	59,040	120,836	-	381,110	96,270	127,389	895,565	24%
TRANSPORTATION	142,824	419	681,091	227,916	-	75,647	345	3,373	1,131,617	30%
MISCELLANEOUS USES	9,924	3,056	-	3,862	-	42,724	852	11,887	72,308	2%
TOTAL FINAL DEMAND SECTORS	295,405	37,833	740,131	505,942	-	916,883	102,758	302,469	2,901,425	77%

TRANSFORMATION										
ELECTRICITY GEN.	14,325	63,922	-	216	-	176,171	745,527	-280,870	719,292	19%
PETROLEUM PRODUCTS	-327,295	-120,045	-520,949	-216,829	1,135,077	62,423	-	-	12,380	0%
NATURAL GAS	-	-	-	-247,233	-	267,070	-	-	19,837	1%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-312,970	-56,122	-520,949	-463,846	1,135,077	505,665	745,527	-280,870	751,510	20%
TOTAL GROSS FLOWS	309,731	101,756	740,131	506,159	1,135,077	1,422,548	848,286	302,469	3,652,935	97%
LOSSES & OMISSIONS	-9,076	-3,164	-798	-29	4,923	18,621	60,662	33,026	104,164	3%
TOTAL NET USAGE	-26,640	-21,454	218,383	42,066	1,140,000	1,441,169	908,948	54,625	3,757,100	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	2,039,675	2,046,754	1,774,932	-	5,921,362	98%
HYDROELECTRIC	-	-	-	-	-	-	-	119,980	119,980	2%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	50	50	0%
TOTAL SUPPLY	-	-	-	-	2,039,675	2,046,754	1,774,932	120,030	6,041,393	

NET IMPORTS OF REGION	-26,640	-21,454	218,383	42,066	-959,674	-605,584	-865,983	-65,405	-2,284,292	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 71.92%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.0%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	88,435	39,558	-	197,386	-	1,028,473	594	493,439	1,847,887	25%
INDUSTRIAL	121,016	79,645	108,400	426,390	-	664,683	64,616	327,948	1,792,702	24%
TRANSPORTATION	269,705	158,033	1,721,861	498,570	-	51,463	40	12,823	2,712,498	36%
MISCELLANEOUS USES	29,047	10,845	-	10,387	-	241,274	141	37,779	329,475	4%
TOTAL FINAL DEMAND SECTORS	508,204	288,082	1,830,262	1,132,736	-	1,985,895	65,393	871,990	6,682,564	89%
TRANSFORMATION										
ELECTRICITY GEN.	8,423	578,919	-	11	-	317,558	87,970	-321,896	670,987	9%
PETROLEUM PRODUCTS	-517,262	-900,711	-1,834,763	-1,119,263	4,317,635	69,209	-	-	14,843	0%
NATURAL GAS	-	-	-	-42,935	-	46,381	-	-	3,446	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	0%
NET FUEL USED IN TRANSFORMATION	-508,839	-321,792	-1,834,763	-1,162,187	4,317,635	433,150	87,970	-321,896	689,276	9%
TOTAL GROSS FLOWS	516,627	867,001	1,830,262	1,132,747	4,317,635	2,419,045	153,363	871,990	7,371,840	98%
LOSSES & OMISSIONS	-15,139	-26,966	-1,974	-65	18,728	31,665	10,967	95,212	112,427	2%
TOTAL NET USAGE	-15,774	-60,676	-6,476	-29,516	4,336,364	2,450,710	164,330	645,306	7,484,268	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	2,319,130	494,789	94,827	-	2,908,747	83%
HYDROELECTRIC	-	-	-	-	-	-	-	570,780	570,780	16%
NUCLEAR	-	-	-	-	-	-	-	33,914	33,914	1%
GEO. & SOLAR	-	-	-	-	-	-	-	11,846	11,846	0%
TOTAL SUPPLY	-	-	-	-	2,319,130	494,789	94,827	616,541	3,525,289	
NET IMPORTS OF REGION	-15,774	-60,676	-6,476	-29,516	2,017,233	1,955,921	69,503	28,765	3,958,979	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=67.58%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.34%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

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REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	11,003	313	-	65,020	-	78,009	352	78,558	233,258	13%
INDUSTRIAL	25,616	36,229	13,272	174,736	-	158,231	228,242	68,444	704,774	40%
TRANSPORTATION	51,060	43,860	233,536	42,881	-	19,658	-	1,838	392,836	22%
MISCELLANEOUS USES	7,001	4,189	-	1,267	-	4,112	-	971	17,543	1%
TOTAL FINAL DEMAND SECTORS	94,682	84,592	246,809	283,907	-	260,012	228,595	149,813	1,348,412	77%
TRANSFORMATION										
ELECTRICITY GEN.	3,160	656	-	-	-	6,474	469,726	-143,155	336,861	19%
PETROLEUM PRODUCTS	-21,940	-8,736	-4,322	-43,317	73,953	4,482	-	-	68	0%
NATURAL GAS	-	-	-	-1,475	-	1,593	-	-	118	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-18,780	-8,130	-4,322	-44,793	73,953	12,551	469,726	-143,155	337,048	19%
TOTAL GROSS FLOWS	97,843	85,248	246,809	283,907	73,953	272,563	698,321	149,813	1,685,461	96%
LOSSES & OMISSIONS	-2,867	-2,651	-256	-16	320	3,567	49,938	16,358	64,383	4%
TOTAL NET USAGE	73,035	73,310	242,220	239,098	74,273	276,131	748,259	23,015	1,749,844	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	85,489	44,061	614,470	-	744,020	93%
HYDROELECTRIC	-	-	-	-	-	-	-	43,874	43,874	5%
NUCLEAR	-	-	-	-	-	-	-	10,094	10,094	1%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	85,489	44,061	614,470	53,968	797,989	
NET IMPORTS OF REGION	73,035	73,810	242,220	239,098	-11,215	232,070	133,789	-30,952	951,855	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 70.18%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.09%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.41%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
(ALL UNITS IN 10**12 JOULES)									
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	15,660	85	-	3,374	-	9,516	162	5,329	33,829 15%
INDUSTRIAL	5,726	4,104	3,165	10,510	-	3,307	-	735	27,549 12%
TRANSPORTATION	10,006	3,251	22,864	87,528	-	565	15	305	124,539 54%
MISCELLANEOUS USES	3,866	78	-	409	-	8,900	88	248	13,592 6%
TOTAL FINAL DEMAND SECTORS	35,260	7,519	26,030	101,522	-	22,290	266	6,619	199,509 87%
TRANSFORMATION									
ELECTRICITY GEN.	4,265	9	-	-	-	21,190	6,196	-6,798	24,864 11%
PETROLEUM PRODUCTS	-15,592	-27,321	-53,196	-29,300	126,360	2,088	-	-	2,938 1%
NATURAL GAS	-	-	-	-3,258	-	3,519	-	-	261 0%
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-1,826	-27,311	-53,196	-32,558	126,360	26,799	6,196	-6,798	28,065 12%
TOTAL GROSS FLOWS	39,526	7,529	26,030	101,522	126,360	49,089	6,463	6,619	227,575 100%
LOSSES & OMISSIONS	-1,158	-234	-28	-5	548	642	462	722	949 0%
TOTAL NET USAGE	22,675	-20,026	-27,194	68,957	126,908	49,731	6,925	544	228,524
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	440,361	184,774	18,470	-	643,606 100%
HYDROELECTRIC	-	-	-	-	-	-	-	1,284	1,284 0%
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	440,361	184,774	18,470	1,284	644,891
NET IMPORTS OF REGION	22,675	-20,026	-27,194	68,957	-313,452	-135,042	-11,544	-740	-416,367

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 79.53%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 2.29%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,706	53	-	16,521	-	52,120	-	39,725	111,132	17%
INDUSTRIAL	17,794	4,497	8,928	10,018	-	68,228	1,345	29,986	140,800	22%
TRANSPORTATION	21,775	1	148,910	66,955	-	19,382	-	530	257,555	40%
MISCELLANEOUS USES	446	6	-	671	-	3,692	-	2,824	7,642	1%
TOTAL FINAL DEMAND SECTORS	42,722	4,563	157,839	94,167	-	143,425	1,345	73,068	517,131	80%
TRANSFORMATION										
ELECTRICITY GEN.	11,521	36,679	-	-	-	19,109	98,110	-52,075	113,345	18%
PETROLEUM PRODUCTS	-848	-1,465	-32	-1,551	6,741	112	-	-	2,956	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	10,673	35,214	-32	-1,551	6,741	19,222	98,110	-52,075	116,302	18%
TOTAL GROSS FLOWS	54,244	41,242	157,839	94,167	6,741	162,647	99,455	73,068	633,433	98%
LOSSES & OMISSIONS	-1,589	-1,282	-170	-5	29	2,129	7,112	7,978	14,200	2%
TOTAL NET USAGE	51,806	38,494	157,636	92,610	6,770	164,776	106,568	28,970	647,633	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	3,882	289	160,934	-	165,106	86%
HYDROELECTRIC	-	-	-	-	-	-	-	26,185	26,185	14%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	3,882	289	160,934	26,185	191,292	
NET IMPORTS OF REGION	51,806	38,494	157,636	92,610	2,887	164,487	-54,366	2,785	456,341	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=68.52%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=43.14%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	4,934	-	-	53,011	-	73,913	-	32,717	164,577	23%
INDUSTRIAL	21,523	17,455	11,317	66,058	-	129,221	168	22,018	287,765	40%
TRANSPORTATION	31,923	71	135,263	29,310	-	14,414	-	665	211,649	29%
MISCELLANEOUS USES	1,260	-	-	588	-	3,629	-	1,690	7,169	1%
TOTAL FINAL DEMAND SECTORS	59,641	17,527	145,581	168,969	-	221,179	168	57,093	671,161	93%
TRANSFORMATION										
ELECTRICITY GEN.	379	27,947	-	-	-	34,042	-	-19,061	43,308	6%
PETROLEUM PRODUCTS	-25,848	-10,351	-39,906	-43,068	113,750	5,462	-	-	37	0%
NATURAL GAS	-	-	-	-2,565	-	2,770	-	-	205	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-25,469	17,596	-39,906	-45,633	113,750	42,276	-	-19,061	43,552	6%
TOTAL GROSS FLOWS	30,021	45,475	146,581	168,969	113,750	263,456	168	57,093	714,713	99%
LOSSES & OMISSIONS	-1,758	-1,414	-158	-9	493	3,448	12	6,233	6,846	1%
TOTAL NET USAGE	32,413	33,709	106,516	123,325	114,244	266,904	180	44,265	721,560	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	99,532	40,162	13,104	-	152,800	84%
HYDROELECTRIC	-	-	-	-	-	-	-	12,356	12,356	7%
NUCLEAR	-	-	-	-	-	-	-	17,557	17,557	10%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	99,532	40,162	13,104	29,914	182,714	
NET IMPORTS OF REGION	32,413	33,709	106,516	123,325	14,711	226,742	-12,923	14,351	538,846	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 69.44%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.03%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.42%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	11,842	9,872	-	146,614	-	909,767	-	313,179	1,391,276	26%
INDUSTRIAL	68,504	36,461	75,428	333,398	-	522,912	58,589	161,607	1,256,903	23%
TRANSPORTATION	172,202	132,034	1,292,905	191,093	-	32,943	-	9,421	1,830,600	34%
MISCELLANEOUS USES	20,772	5,999	-	7,647	-	226,158	-	31,887	292,465	5%
TOTAL FINAL DEMAND SECTORS	273,321	184,358	1,368,333	678,754	-	1,691,781	58,589	516,096	4,771,246	88%
TRANSFORMATION										
ELECTRICITY GEN.	1,384	519,547	-	4	-	296,365	-	-273,390	543,912	10%
PETROLEUM PRODUCTS	-400,142	-696,873	-1,356,932	-873,847	3,278,710	53,546	-	-	4,461	0%
NATURAL GAS	-	-	-	-39,677	-	42,861	-	-	3,184	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	0%
NET FUEL USED IN TRANSFORMATION	-398,757	-177,325	-1,356,932	-913,520	3,278,710	392,774	-	-273,390	551,558	10%
TOTAL GROSS FLOWS	274,706	703,915	1,368,333	678,758	3,278,710	2,084,556	58,589	516,096	5,322,805	99%
LOSSES & OMISSIONS	-8,049	-21,893	-1,476	-39	14,222	27,286	4,189	56,352	70,591	1%
TOTAL NET USAGE	-133,485	-14,350	9,924	-234,804	3,292,932	2,111,843	62,779	299,058	5,393,396	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,878,769	310,014	-	-	2,188,784	92%
HYDROELECTRIC	-	-	-	-	-	-	-	145,467	145,467	6%
NUCLEAR	-	-	-	-	-	-	-	21,998	21,998	1%
GEO. & SOLAR	-	-	-	-	-	-	-	11,756	11,756	0%
TOTAL SUPPLY	-	-	-	-	1,878,769	310,014	-	179,223	2,368,007	
NET IMPORTS OF REGION	-133,485	-14,850	9,924	-234,804	1,414,162	1,801,828	62,779	119,835	3,025,389	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=66.55%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.13%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	9,293	1,415	-	49,413	-	148,102	267	35,901	244,393	30%
INDUSTRIAL	13,486	2,295	13,463	13,611	-	65,209	35,459	16,426	159,951	20%
TRANSPORTATION	21,977	30	164,527	17,398	-	7,738	15	928	212,656	27%
MISCELLANEOUS USES	2,795	854	-	1,173	-	9,344	47	3,142	17,357	2%
TOTAL FINAL DEMAND SECTORS	47,553	4,595	177,991	81,586	-	230,445	35,790	56,397	634,360	79%
TRANSFORMATION										
ELECTRICITY GEN.	2,148	5,850	-	-	-	58,788	134,432	-53,172	144,047	18%
PETROLEUM PRODUCTS	-31,802	-9,649	-51,880	-17,171	104,246	6,241	-	-	-14	0%
NATURAL GAS	-	-	-	-27,917	-	30,555	-	-	2,239	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-29,653	-3,798	-51,990	-45,088	104,246	91,186	134,432	-53,172	146,272	18%
TOTAL GROSS FLOWS	49,702	10,446	177,991	81,586	104,246	321,631	170,222	56,397	780,647	97%
LOSSES & OMISSIONS	-1,456	-324	-192	-4	452	4,210	12,172	6,158	21,015	3%
TOTAL NET USAGE	16,443	472	125,998	36,493	104,699	325,841	182,395	9,383	801,647	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	233,008	197,753	193,548	-	624,310	99%
HYDROELECTRIC	-	-	-	-	-	-	-	6,166	6,166	1%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	233,008	197,753	193,548	6,166	630,476	
NET IMPORTS OF REGION	5,443	472	125,919	36,493	-128,309	128,087	-11,152	3,217	171,171	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=73.04%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-0.01%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	95,436	21,028	-	20,473	-	46,896	-	44,707	228,542	34%
INDUSTRIAL	13,482	33,293	7,838	12,623	-	14,827	1,796	20,879	104,741	16%
TRANSPORTATION	16,085	3,878	174,231	38,013	-	518	-	639	233,367	35%
MISCELLANEOUS USES	1,334	1,927	-	622	-	1,149	-	856	5,889	1%
TOTAL FINAL DEMAND SECTORS	126,338	60,127	182,069	71,733	-	63,392	1,796	67,083	572,541	85%
TRANSFORMATION										
ELECTRICITY GEN.	1,140	146,888	-	276	-	371	120	-46,113	102,682	15%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	1,140	146,888	-	276	-	371	120	-46,113	102,682	15%
TOTAL GROSS FLOWS	127,478	207,015	182,069	72,010	-	63,763	1,916	67,083	675,224	100%
LOSSES & OMISSIONS	-3,735	-6,438	-196	-4	-	834	137	7,324	-2,078	0%
TOTAL NET USAGE	123,743	200,577	181,873	72,005	-	64,598	2,053	28,294	673,145	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	1,768	1,768	6%
NUCLEAR	-	-	-	-	-	-	-	29,300	29,300	94%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	31,069	31,069	
NET IMPORTS OF REGION	123,743	200,577	181,873	72,005	-	64,598	2,053	-2,774	642,076	

NOTES:

1	TRANSFORMATION LOSS FOR ELECTRICITY GEN.	=69.01%
2	TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	14,724	2,177	-	6,197	-	10,303	-	9,759	43,162	16%
INDUSTRIAL	8,356	17,302	5,259	41,296	-	7,700	604	8,496	89,015	33%
TRANSPORTATION	5,171	5,836	26,654	36,045	-	137	-	246	74,092	28%
MISCELLANEOUS USES	459	958	-	169	-	1,373	-	141	3,103	1%
TOTAL FINAL DEMAND SECTORS	28,712	26,275	31,914	83,709	-	19,513	604	18,643	209,373	78%
TRANSFORMATION										
ELECTRICITY GEN.	826	40,953	-	8,746	-	340	26,777	-21,713	55,931	21%
PETROLEUM PRODUCTS	-63,506	-38,661	-117,835	-37,317	256,082	1,217	-	-	-22	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-62,679	2,292	-117,835	-28,571	256,082	1,557	26,777	-21,713	55,909	21%
TOTAL GROSS FLOWS	29,539	67,228	31,914	92,456	256,082	21,071	27,381	18,643	265,305	99%
LOSSES & OMISSIONS	-865	-2,090	-34	-5	1,110	275	1,958	2,035	2,384	1%
TOTAL NET USAGE	-34,832	26,476	-85,956	55,133	257,192	21,347	29,339	-1,033	267,667	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	-	-	-
NET IMPORTS OF REGION	-34,832	26,476	-85,956	55,133	257,192	21,347	29,339	-1,033	267,667	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 72.04%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = -0.01%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0%
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	11,462	26,701	-	4,382	-	22,297	282	16,376	81,503	40%
INDUSTRIAL	1,265	175	1,859	990	-	229	1	691	5,214	3%
TRANSPORTATION	3,860	455	31,581	44,465	-	1,280	-	630	82,274	41%
MISCELLANEOUS USES	2,022	13,895	-	951	-	3,579	-	183	20,632	10%
TOTAL FINAL DEMAND SECTORS	18,610	41,228	33,441	50,789	-	27,387	283	17,883	189,625	93%
TRANSFORMATION										
ELECTRICITY GEN.	551	13,845	-	-	-	-	3,132	-4,391	13,138	6%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	551	13,845	-	-	-	-	3,132	-4,391	13,138	6%
TOTAL GROSS FLOWS	19,162	55,074	33,441	50,789	-	27,387	3,416	17,883	202,764	100%
LOSSES & OMISSIONS	-561	-1,712	-36	-2	-	358	244	1,952	241	0%
TOTAL NET USAGE	18,600	53,351	33,405	50,786	-	27,746	3,660	15,444	203,005	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	3	3	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	3	3	
NET IMPORTS OF REGION	18,600	53,361	33,405	50,786	-	27,746	3,660	15,441	203,002	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 74.95%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL CNETS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	23,191	7,033	-	69,380	-	36,494	-	202,365	338,466	18%
INDUSTRIAL	52,840	71,560	19,253	22,635	-	66,170	4,693	40,743	279,898	15%
TRANSPORTATION	72,751	14,518	524,535	53,505	-	3,909	-	4,737	674,057	36%
MISCELLANEOUS USES	4,719	1,301	-	2,543	-	6,930	-	6,727	22,221	1%
TOTAL FINAL DEMAND SECTORS	155,502	94,414	543,889	148,065	-	113,504	4,693	254,573	1,314,643	70%
TRANSFORMATION										
ELECTRICITY GEN.	23,150	452,136	-	9,556	-	151,761	154,624	-249,018	541,213	29%
PETROLEUM PRODUCTS	-2,531	-1,545	-	-4,112	8,162	49	-	-	22	0%
NATURAL GAS	-	-	-	-28,921	-	31,242	-	-	2,320	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	19,619	450,591	-	-23,475	8,162	183,052	154,624	-249,018	543,555	29%
TOTAL GROSS FLOWS	177,653	546,550	543,889	157,523	8,162	296,557	159,317	254,573	1,858,199	99%
LOSSES & OMISSIONS	-5,205	-16,999	-586	-9	35	3,881	11,393	27,796	20,306	1%
TOTAL NET USAGE	169,916	528,005	543,302	124,580	8,197	300,439	170,711	33,352	1,878,505	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	255,055	51,448	-	-	306,504	91%
HYDROELECTRIC	-	-	-	-	-	-	-	843	843	0%
NUCLEAR	-	-	-	-	-	-	-	30,129	30,129	9%
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	255,055	51,448	-	30,973	337,477	
NET IMPORTS OF REGION	169,916	528,005	543,302	124,580	-246,858	248,990	170,711	2,379	1,541,027	

NOTES:

1	TRANSFORMATION LOSS FOR ELECTRICITY GEN.	= 63.49%
2	TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS	= 0.27%
3	TRANSFORMATION LOSS FOR NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	11,059	7,595	-	42,752	-	128,283	914	95,636	286,241	21%
INDUSTRIAL	43,387	26,286	20,796	26,732	-	118,216	17,482	49,403	302,305	22%
TRANSPORTATION	51,133	2,797	340,873	39,657	-	7,071	-	2,652	444,185	32%
MISCELLANEOUS USES	1,341	1,226	-	1,996	-	8,783	-	1,360	14,709	1%
TOTAL FINAL DEMAND SECTORS	106,921	37,906	361,669	111,138	-	262,354	18,396	149,053	1,047,441	76%
TRANSFORMATION										
ELECTRICITY GEN.	6,616	26,517	-	-	-	43,509	339,871	-123,602	293,312	21%
PETROLEUM PRODUCTS	-8,214	-5,000	-15,238	-20,657	48,808	156	-	-	-146	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-1,598	21,916	-15,238	-20,657	48,808	43,665	339,871	-123,602	293,165	21%
TOTAL GROSS FLOWS	113,538	64,323	361,659	111,138	48,808	306,020	358,267	149,053	1,340,754	97%
LOSSES & EMISSIONS	-3,327	-2,016	-330	-6	211	4,005	25,620	16,275	40,373	3%
TOTAL NET USAGE	101,996	57,806	346,040	90,475	49,020	310,026	383,888	41,726	1,380,980	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	1,987	-	1,987	7%
HYDROELECTRIC	-	-	-	-	-	-	-	15,401	15,401	54%
NUCLEAR	-	-	-	-	-	-	-	11,131	11,131	39%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	1,987	26,532	28,519	
NET IMPORTS OF REGION	101,996	57,806	346,040	90,475	49,020	310,026	381,900	15,193	1,352,460	

NOTES:

- | | | | |
|---|-------------------------|--------------------|---------|
| 1 | TRANSFORMATION LOSS FOR | ELECTRICITY GEN. | =70.35% |
| 2 | TRANSFORMATION LOSS FOR | PETROLEUM PRODUCTS | =-0.30% |
| 3 | TRANSFORMATION LOSS FOR | NATURAL GAS | = 0.0 % |
| 4 | TRANSFORMATION LOSS FOR | SYN-GAS | = 0.0 % |

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
(ALL UNITS IN 10**12 JOULES)									
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	515	6	-	5,390	-	1,586	-	13,727	22,825 10%
INDUSTRIAL	3,741	4,574	3,911	5,338	-	460	-	4,565	22,591 10%
TRANSPORTATION	5,350	6,909	38,124	73,819	-	49	-	602	125,455 58%
MISCELLANEOUS USES	1,406	1	-	761	-	263	-	255	2,687 1%
TOTAL FINAL DEMAND SECTORS	11,613	11,492	42,035	86,909	-	2,360	-	19,149	173,560 80%
TRANSFORMATION									
ELECTRICITY GEN.	2,634	58,889	-	-	-	-	-	-19,599	41,925 19%
PETROLEUM PRODUCTS	-21,504	-37,441	-72,898	-41,124	172,294	2,861	-	-	2,187 1%
NATURAL GAS	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-18,869	21,448	-72,898	-41,124	172,294	2,861	-	-19,599	44,112 20%
TOTAL GROSS FLOWS	14,248	70,381	42,035	86,909	172,294	5,222	-	19,149	217,673 100%
LOSSES & OMISSIONS	-417	-2,189	-45	-5	747	68	-	2,090	249 0%
TOTAL NET USAGE	-7,673	30,751	-30,907	45,779	173,041	5,290	-	1,641	217,923
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	65	65 42%
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	89	89 58%
TOTAL SUPPLY	-	-	-	-	-	-	-	155	155
NET IMPORTS OF REGION	-7,673	30,751	-30,907	45,779	173,041	5,290	-	1,486	217,768

NOTES:

- | | | | |
|---|-------------------------|--------------------|----------|
| 1 | TRANSFORMATION LOSS FOR | ELECTRICITY GEN. | = 68.14% |
| 2 | TRANSFORMATION LOSS FOR | PETROLEUM PRODUCTS | = 1.25% |
| 3 | TRANSFORMATION LOSS FOR | NATURAL GAS | = 0.0% |
| 4 | TRANSFORMATION LOSS FOR | SYN-GAS | = 0.0% |

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	17,493	488	-	15,102	-	19,370	2,369	21,685	76,509	30%
INDUSTRIAL	9,861	1,144	8,408	9,889	-	29,329	1,153	23,241	83,029	33%
TRANSPORTATION	11,656	15	56,543	13,113	-	5,255	171	526	87,282	34%
MISCELLANEOUS USES	1,134	45	-	215	-	948	297	949	3,590	1%

TOTAL FINAL DEMAND SECTORS	40,146	1,694	64,952	38,320	-	54,903	3,992	46,402	250,412	98%

TRANSFORMATION										
ELECTRICITY GEN.	30	-	-	-	-	20	-	-12	37	0%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	30	-	-	-	-	20	-	-12	37	0%

TOTAL GROSS FLOWS	40,177	1,694	64,952	38,320	-	54,923	3,992	46,402	250,450	98%
LOSSES & OMISSIONS	-1,177	-52	-70	-2	-	718	285	5,066	4,768	2%

TOTAL NET USAGE	38,999	1,641	64,882	38,318	-	55,642	4,277	51,456	255,219	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	36,905	36,905	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	36,905	36,905	

NET IMPORTS OF REGION	38,999	1,641	64,882	38,318	-	55,642	4,277	14,551	218,313	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 75.00%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	119,369	60,153	-	134,683	-	733,738	12,183	164,905	1,225,033	32%
INDUSTRIAL	55,085	39,462	58,733	215,459	-	340,235	149,533	114,464	972,975	25%
TRANSPORTATION	111,884	2,405	623,529	33,063	-	30,183	-	6,405	807,472	21%
MISCELLANEOUS USES	5,342	5,838	-	2,708	-	22,172	-	20,145	56,208	1%
TOTAL FINAL DEMAND SECTORS	291,682	107,859	682,263	385,915	-	1,126,330	161,717	305,921	3,061,689	80%
TRANSFORMATION										
ELECTRICITY GEN.	23,549	47,977	-	17	-	36,797	777,312	-253,235	532,419	17%
PETROLEUM PRODUCTS	-479,763	-156,410	-1,193,079	-382,148	2,175,214	57,590	-	-	21,402	1%
NATURAL GAS	-	-	-	-34,748	-	37,536	-	-	2,787	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-456,214	-108,433	-1,193,079	-416,878	2,175,214	131,924	777,312	-253,235	656,610	17%
TOTAL GROSS FLOWS	315,231	155,837	682,253	385,933	2,175,214	1,258,255	939,029	305,921	3,718,299	97%
LOSSES & OMISSIONS	-9,237	-4,846	-736	-22	9,435	16,470	67,151	33,403	111,618	3%
TOTAL NET USAGE	-173,769	-5,420	-511,552	-30,985	2,184,649	1,274,725	1,006,181	86,089	3,829,917	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	159,471	1,659	1,430,551	-	1,591,682	95%
HYDROELECTRIC	-	-	-	-	-	-	-	373	373	0%
NUCLEAR	-	-	-	-	-	-	-	80,331	80,331	5%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	159,471	1,659	1,430,551	80,704	1,572,387	

NET IMPORTS OF REGION	-173,769	-5,420	-511,552	-30,985	2,025,177	1,273,066	-424,369	5,384	2,157,530	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 71.41%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.96%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	89,825	9,753	-	74,121	-	238,732	14,584	79,811	506,829	20%
INDUSTRIAL	46,986	52,646	27,793	119,866	-	228,655	410,101	88,155	974,205	39%
TRANSPORTATION	59,746	2,178	329,135	23,554	-	13,338	-	1,233	429,187	17%
MISCELLANEOUS USES	2,824	1,130	-	1,136	-	6,986	-	1,835	13,913	1%

TOTAL FINAL DEMAND SECTORS	199,383	65,708	356,929	218,678	-	487,713	424,686	171,035	1,924,136	77%

TRANSFORMATION										
ELECTRICITY GEN.	2,366	8,913	-	-	-	11,873	652,005	-207,031	468,127	19%
PETROLEUM PRODUCTS	-205,179	-66,891	-433,866	-211,337	916,599	27,480	-	-	21,305	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-202,812	-57,978	-438,866	-211,337	916,599	39,354	652,005	-207,031	489,933	20%

TOTAL GROSS FLOWS	201,750	74,621	356,929	218,678	916,599	527,068	1,076,691	171,035	2,414,069	96%
LOSSES & OMISSIONS	-5,912	-2,320	-335	-12	3,975	6,899	76,996	18,675	97,915	4%

TOTAL NET USAGE	-9,341	5,409	-82,321	7,328	920,575	533,967	1,153,687	-17,320	2,511,984	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	28,339	398	614,792	-	643,530	100%
HYDROELECTRIC	-	-	-	-	-	-	-	1,598	1,598	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	28,339	398	614,792	1,598	645,128	

NET IMPORTS OF REGION	-9,341	5,409	-82,321	7,328	892,235	533,566	538,894	-18,918	1,866,856	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.34%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 2.31%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	26,711	681	-	53,937	-	152,956	2,210	43,931	280,428	29%
INDUSTRIAL	34,132	3,556	42,143	30,544	-	102,011	33,055	25,690	271,135	28%
TRANSPORTATION	32,746	17	177,688	22,719	-	19,706	-	702	253,581	26%
MISCELLANEOUS USES	585	46	-	650	-	18,627	-	1,832	21,742	2%

TOTAL FINAL DEMAND SECTORS	94,175	4,302	219,331	107,852	-	293,302	35,266	72,156	826,887	85%

TRANSFORMATION										
ELECTRICITY GEN.	3,159	1,375	-	-	-	50,686	118,592	-45,787	128,025	13%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	3,159	1,375	-	-	-	50,686	118,592	-45,787	128,025	13%

TOTAL GROSS FLOWS	97,334	5,677	219,831	107,852	-	343,988	153,858	72,156	954,912	98%
LOSSES & OMISSIONS	-2,852	-176	-237	-6	-	4,502	11,002	7,878	20,111	2%

TOTAL NET USAGE	94,482	5,501	219,594	107,845	-	348,491	164,860	34,247	975,024	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	14,945	-	14,945	56%
HYDROELECTRIC	-	-	-	-	-	-	-	3,158	3,158	12%
NUCLEAR	-	-	-	-	-	-	-	8,248	8,248	31%
GEO. & SOLAR	-	-	-	-	-	-	-	142	142	1%

TOTAL SUPPLY	-	-	-	-	-	-	14,945	11,548	26,494	

NET IMPORTS OF REGION	34,482	5,501	219,594	107,845	-	348,491	149,915	22,698	948,530	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 73.66%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	6,045	970	-	38,353	-	115,582	-	42,030	202,982	20%
INDUSTRIAL	25,700	6,823	22,146	66,367	-	150,085	3,267	21,194	295,585	29%
TRANSPORTATION	29,763	51	155,081	26,750	-	73,054	-	1,253	285,954	28%
MISCELLANEOUS USES	912	167	-	986	-	22,072	-	1,235	25,374	2%
TOTAL FINAL DEMAND SECTORS	62,420	8,013	177,228	132,458	-	360,795	3,267	65,712	809,896	78%
TRANSFORMATION										
ELECTRICITY GEN.	9,403	27,274	-	-	-	134,421	76,603	-67,701	190,002	17%
PETROLEUM PRODUCTS	-222,942	-28,357	-474,604	-148,863	844,463	42,738	-	-	12,433	1%
NATURAL GAS	-	-	-	-127,005	-	137,195	-	-	10,190	1%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION										
	-213,538	-1,032	-474,604	-275,868	844,463	314,355	76,603	-67,701	202,626	20%
TOTAL GROSS FLOWS										
LOSSES & OMISSIONS	71,824	35,288	177,228	132,458	844,463	675,150	79,871	65,712	1,012,523	98%
	-2,104	-1,097	-191	-7	3,663	8,837	5,711	7,175	21,986	2%
TOTAL NET USAGE	-153,222	5,833	-297,567	-143,418	848,126	683,988	85,583	5,186	1,034,510	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	364,608	994,568	12,297	-	1,371,475	100%
HYDROELECTRIC	-	-	-	-	-	-	-	16	16	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	364,608	994,568	12,297	16	1,371,491	
NET IMPORTS OF REGION										
	-153,222	5,833	-297,567	-143,418	483,518	-310,580	73,285	5,169	-336,981	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 72.67%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.40%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	9,814	480	-	50,367	-	113,058	5,020	51,627	230,370	17%
INDUSTRIAL	21,826	4,223	12,480	41,534	-	73,108	67,666	110,771	331,611	24%
TRANSPORTATION	31,899	27	214,837	28,856	-	26,956	-	974	303,551	22%
MISCELLANEOUS USES	1,049	48	-	1,122	-	11,351	-	5,187	19,259	1%
TOTAL FINAL DEMAND SECTORS	64,590	4,780	227,317	121,880	-	224,974	72,687	168,561	884,792	64%
TRANSFORMATION										
ELECTRICITY GEN.	43	666	-	-	-	293	574,810	-164,977	410,835	30%
PETROLEUM PRODUCTS	-65,957	-21,499	-152,090	-77,453	330,350	8,031	-	-	21,379	2%
NATURAL GAS	-	-	-	-16,496	-	17,819	-	-	1,323	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-65,914	-20,833	-152,090	-93,949	330,350	26,144	574,810	-164,977	433,539	31%
TOTAL GROSS FLOWS	64,633	5,446	227,317	121,880	330,350	251,119	647,497	168,561	1,318,332	95%
LOSSES & OMISSIONS	-1,894	-169	-245	-7	1,432	3,287	46,303	18,405	67,113	5%
TOTAL NET USAGE	-3,217	-16,222	74,981	27,924	331,783	254,406	693,801	21,988	1,385,445	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	46,225	69,763	3,856,851	-	3,972,850	100%
HYDROELECTRIC	-	-	-	-	-	-	-	12,465	12,465	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	46,225	69,753	3,856,861	12,465	3,985,315	
NET IMPORTS OF REGION	-3,217	-16,222	74,981	27,924	285,557	184,642	-3,163,059	9,522	-2,599,870	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 71.35%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 6.32%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	3,857	65	-	59,773	-	96,991	-	70,808	231,496	9%
INDUSTRIAL	52,764	28,812	17,309	556,012	-	786,846	41	66,808	1,508,595	56%
TRANSPORTATION	73,043	97,854	236,252	49,010	-	68,449	-	1,535	526,146	20%
MISCELLANEOUS USES	9,215	16,976	-	925	-	17,616	-	4,676	49,411	2%
TOTAL FINAL DEMAND SECTORS	138,881	143,711	253,562	665,720	-	969,903	41	143,830	2,315,649	86%
TRANSFORMATION										
ELECTRICITY GEN.	542	37,790	-	-	-	384,662	-	-141,241	281,752	10%
PETROLEUM PRODUCTS	-756,442	-303,005	-1,650,589	-836,797	3,388,431	157,551	-	-	-854	0%
NATURAL GAS	-	-	-	-576,458	-	622,714	-	-	46,256	2%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-755,900	-265,216	-1,650,589	-1,413,255	3,388,431	1,164,927	-	-141,241	327,154	12%
TOTAL GROSS FLOWS LOSSES & OMISSIONS	139,423	181,501	253,562	665,720	3,388,431	2,134,831	41	143,830	2,643,658	98%
	-4,085	-5,645	-273	-38	14,697	27,944	2	15,704	48,307	2%
TOTAL NET USAGE	-621,105	-127,150	-1,397,301	-747,573	3,403,129	2,162,776	44	18,293	2,691,112	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	3,971,967	8,153,587	-	-	12,125,554	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	3,971,967	8,153,587	-	-	12,125,554	
NET IMPORTS OF REGION	-621,105	-127,150	-1,397,301	-747,573	-568,837	-5,990,811	44	18,293	-9,434,442	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=66.61%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-0.02%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	50,189	12,224	-	14,103	-	1,074	113	11,603	89,309	27%
INDUSTRIAL	4,940	68,580	2,744	2,508	-	688	4,591	10,239	94,294	29%
TRANSPORTATION	80,261	6,335	67,759	42,831	-	23	-	126	127,336	39%
MISCELLANEOUS USES	2,145	1,463	-	287	-	165	-	810	4,873	1%
TOTAL FINAL DEMAND SECTORS	67,536	88,603	70,503	59,731	-	1,953	4,705	22,780	315,814	97%
TRANSFORMATION										
ELECTRICITY GEN.	254	18,648	-	-	-	-	-	-5,693	13,209	4%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	254	18,648	-	-	-	-	-	-5,693	13,209	4%
TOTAL GROSS FLOWS	67,790	107,251	70,503	59,731	-	1,953	4,705	22,780	329,023	101%
LOSSES & OMISSIONS	-1,986	-3,335	-76	-3	-	25	336	2,487	-2,552	0%
TOTAL NET USAGE	65,804	103,916	70,427	59,727	-	1,979	5,041	19,574	326,471	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	6,595	6,595	2%
NUCLEAR	-	-	-	-	-	-	-	16,208	16,208	7%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	22,803	22,803	
NET IMPORTS OF REGION	65,804	103,916	70,427	59,727	-	1,979	5,041	-3,229	303,667	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.38%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	59,015	19,558	-	31,256	-	100,720	395	72,807	293,754	26%
INDUSTRIAL	28,100	31,340	32,770	14,445	-	34,711	118,114	24,980	294,463	25%
TRANSPORTATION	32,222	15,334	235,846	56,107	-	2,079	-	2,517	344,108	31%
MISCELLANEOUS USES	3,963	8,914	-	2,703	-	7,430	-	1,030	24,042	2%

DEMAND SECTORS	133,302	75,147	268,617	104,513	-	144,940	118,509	101,336	946,367	84%

TRANSFORMATION										
ELECTRICITY GEN.	4,225	119,245	-	-	-	137	109,476	-72,533	160,550	14%
PETROLEUM PRODUCTS	-13,216	-8,045	-	-33,986	54,967	247	-	-	-31	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED										
IN TRANSFORMATION	-8,991	111,201	-	-33,986	54,967	385	109,476	-72,533	150,519	14%

TOTAL GROSS FLOWS	137,527	194,392	268,617	104,513	54,967	145,325	227,986	101,336	1,106,918	98%
LOSSES & OMISSIONS	-4,030	-6,045	-289	-6	238	1,902	16,303	11,064	19,137	2%

TOTAL NET USAGE	120,281	180,302	268,327	70,521	55,206	147,228	244,290	39,868	1,126,024	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	73,668	-	73,668	75%
HYDROELECTRIC	-	-	-	-	-	-	-	8,319	8,319	9%
NUCLEAR	-	-	-	-	-	-	-	15,790	15,790	16%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	73,668	24,109	97,777	

NET IMPORTS OF REGION	120,281	180,302	268,327	70,521	55,206	147,228	170,621	15,758	1,028,246	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=68.88%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-0.06%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	274,293	131,703	-	36,734	-	123,740	311	72,499	539,282	45%
INDUSTRIAL	19,276	45,897	14,555	20,389	-	19,533	610	30,426	150,689	11%
TRANSPORTATION	46,720	6,619	299,936	41,983	-	1,793	-	1,372	398,425	28%
MISCELLANEOUS USES	11,066	13,941	-	1,338	-	6,010	-	2,143	34,500	2%
TOTAL FINAL DEMAND SECTORS	351,356	198,161	314,491	100,445	-	151,077	921	106,441	1,222,897	87%
TRANSFORMATION										
ELECTRICITY GEN.	2,934	261,810	-	109	-	1,551	22,731	-94,268	194,869	14%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	2,934	261,810	-	109	-	1,551	22,731	-94,268	194,869	14%
TOTAL GROSS FLOWS	354,291	459,972	314,491	100,555	-	152,629	23,653	106,441	1,417,767	101%
LOSSES & OMISSIONS	-10,382	-14,306	-339	-5	-	1,997	1,691	11,622	-9,721	0%
TOTAL NET USAGE	343,909	445,666	314,152	100,549	-	154,627	25,345	23,795	1,408,045	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	6,403	6,403	32%
NUCLEAR	-	-	-	-	-	-	-	13,610	13,610	68%
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	20,013	20,013	
NET IMPORTS OF REGION	343,909	445,666	314,152	100,549	-	154,627	25,345	3,782	1,388,031	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=67.40%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	145,243	4,261	-	94,988	-	557,586	6,799	118,856	927,736	30%
INDUSTRIAL	32,051	16,310	30,179	93,454	-	275,204	257,150	98,490	803,341	26%
TRANSPORTATION	52,055	2,325	569,236	33,961	-	18,835	-	1,845	678,260	22%
MISCELLANEOUS USES	5,206	968	-	1,608	-	22,642	-	6,314	36,739	1%
TOTAL FINAL DEMAND SECTORS	234,556	24,365	599,415	224,012	-	874,269	263,949	225,507	2,446,078	80%
TRANSFORMATION										
ELECTRICITY GEN.	8,805	93,742	-	-	-	61,254	542,662	-215,855	490,609	16%
PETROLEUM PRODUCTS	-58,910	-19,205	-107,860	-53,791	253,873	7,208	-	-	21,313	1%
NATURAL GAS	-	-	-	-8,523	-	9,208	-	-	684	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-50,105	74,536	-107,860	-62,315	253,873	77,671	542,662	-215,855	512,607	17%
TOTAL GROSS FLOWS	243,362	118,107	599,415	224,012	253,873	951,940	806,612	225,507	2,958,685	97%
LOSSES & OMISSIONS	-7,131	-3,673	-646	-12	1,101	12,460	57,682	24,623	84,402	3%
TOTAL NET USAGE	177,320	95,228	490,908	161,684	254,974	964,401	864,294	34,275	3,043,087	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	149,397	118,377	-	-	267,775	89%
HYDROELECTRIC	-	-	-	-	-	-	-	5,792	5,792	2%
NUCLEAR	-	-	-	-	-	-	-	25,833	25,833	9%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	149,397	118,377	-	31,626	299,401	
NET IMPORTS OF REGION	177,320	95,228	490,908	161,684	105,576	846,023	864,294	2,649	2,743,686	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.45%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 8.16%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	80,192	4,264	-	61,126	-	154,165	3,505	57,490	360,744	30%
INDUSTRIAL	32,320	21,745	40,513	43,495	-	110,592	49,073	33,128	330,969	28%
TRANSPORTATION	35,689	4,041	223,164	26,407	-	6,258	-	1,283	301,845	25%
MISCELLANEOUS USES	1,057	264	-	770	-	7,607	-	2,334	12,034	1%
TOTAL FINAL DEMAND SECTORS	149,259	30,317	263,678	131,800	-	278,723	52,578	94,236	1,005,593	85%
TRANSFORMATION										
ELECTRICITY GEN.	4,149	5,631	-	3,529	-	23,939	172,874	-53,292	156,831	13%
PETROLEUM PRODUCTS	-95,240	-30,750	-212,460	-68,648	382,475	25,515	-	-	890	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-91,091	-25,118	-212,460	-65,119	382,475	49,455	172,874	-53,292	157,721	13%
TOTAL GROSS FLOWS	153,408	35,948	268,678	135,329	382,475	328,178	225,452	94,236	1,163,315	98%
LOSSES & OMISSIONS	-4,495	-1,118	-299	-7	1,659	4,295	16,122	10,289	26,455	2%
TOTAL NET USAGE	53,672	4,079	55,927	66,573	384,134	332,474	241,575	51,233	1,189,771	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	2,620	2,620	7%
NUCLEAR	-	-	-	-	-	-	-	35,103	35,103	93%
GEO. SOLAR	-	-	-	-	-	-	-	12	12	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	37,736	37,736	
NET IMPORTS OF REGION	53,672	4,079	55,927	66,673	384,134	332,474	241,575	13,497	1,152,035	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 74.64%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.22%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	12,447	202	-	52,600	-	44,636	-	46,327	156,215	19%
INDUSTRIAL	23,713	12,905	10,672	118,634	-	108,171	2,333	19,972	296,403	36%
TRANSPORTATION	24,707	7,830	143,174	28,944	-	42,175	-	1,062	247,894	30%
MISCELLANEOUS USES	1,845	268	-	744	-	10,634	-	1,673	15,168	2%

TOTAL FINAL DEMAND SECTORS	62,715	21,207	153,846	200,924	-	205,618	2,333	69,036	715,682	87%

TRANSFORMATION										
ELECTRICITY GEN.	1,632	61,029	-	-	-	34,032	38,448	-41,104	94,038	11%
PETROLEUM PRODUCTS	-143,602	-57,521	-279,625	-135,295	586,580	29,612	-	-	147	0%
NATURAL GAS	-	-	-	-2,245	-	2,426	-	-	180	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-141,969	3,508	-279,625	-137,541	586,580	66,070	38,448	-41,104	94,366	11%

TOTAL GROSS FLOWS	64,348	82,237	153,846	200,924	586,580	271,688	40,781	69,036	810,048	99%
LOSSES & OMISSIONS	-1,885	-2,557	-156	-11	2,544	3,556	2,916	7,538	11,934	1%

TOTAL NET USAGE	-81,140	22,158	-125,944	63,371	589,124	275,245	43,698	35,470	821,982	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	285,132	85,478	-	-	370,611	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	285,132	85,478	-	-	370,611	

NET IMPORTS OF REGION	-81,140	22,158	-125,944	63,371	303,992	189,766	43,698	35,470	451,371	

NOTES:

1	TRANSFORMATION LOSS FOR ELECTRICITY GEN.	=69.58%
2	TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS	= 0.02%
3	TRANSFORMATION LOSS FOR NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	31,878	7,265	-	80,522	-	245,869	2,474	76,870	444,880	29%
INDUSTRIAL	27,303	8,181	25,791	46,434	-	79,522	49,299	35,033	271,575	18%
TRANSPORTATION	39,689	630	320,787	25,271	-	13,183	-	2,179	401,743	26%
MISCELLANEOUS USES	2,144	1,271	-	1,777	-	23,372	-	3,582	32,147	2%

TOTAL FINAL DEMAND SECTORS	101,015	17,348	346,579	154,016	-	361,947	51,773	117,664	1,150,346	75%

TRANSFORMATION										
ELECTRICITY GEN.	4,381	2,399	-	42	-	28,411	426,197	-140,789	320,643	21%
PETROLEUM PRODUCTS	-5,347	-6,532	-109,305	-39,082	208,362	10,135	-	-	12,230	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-45,965	-4,132	-109,305	-39,040	208,362	38,546	426,197	-140,789	332,873	22%

TOTAL GROSS FLOWS	103,397	19,747	346,579	154,058	208,362	400,494	477,971	117,664	1,483,220	97%
LOSSES & OMISSIONS	-3,088	-614	-373	-8	903	5,242	34,180	12,847	49,089	3%

TOTAL NET USAGE	50,961	12,601	236,899	114,967	209,266	405,737	512,152	-10,276	1,532,309	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	348	-	135,472	-	135,820	96%
HYDROELECTRIC	-	-	-	-	-	-	-	5,142	5,142	4%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	348	-	135,472	5,142	140,962	

NET IMPORTS OF REGION	50,961	12,501	236,899	114,967	208,918	405,737	376,680	-15,418	1,391,347	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.49%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 5.50%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	7,799	762	-	15,292	-	43,076	135	12,702	79,769	28%
INDUSTRIAL	8,397	2,481	8,691	22,820	-	38,160	292	18,202	99,046	34%
TRANSPORTATION	19,367	266	52,882	10,437	-	2,928	10	375	86,267	30%
MISCELLANEOUS USES	350	918	-	254	-	5,313	15	639	7,491	3%

TOTAL FINAL DEMAND SECTORS	35,913	4,430	61,573	48,804	-	89,478	453	31,920	272,574	94%

TRANSFORMATION										
ELECTRICITY GEN.	7	10	-	216	-	1,143	24,778	-6,092	20,063	7%
PETROLEUM PRODUCTS	-80,249	-24,331	-150,390	-68,330	296,513	15,689	-	-	-11,098	-3%
NATURAL GAS	-	-	-	-2,353	-	2,543	-	-	189	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-80,241	-24,320	-150,390	-70,467	296,513	19,375	24,778	-6,092	9,154	3%

TOTAL GROSS FLOWS	35,921	4,440	61,573	49,020	296,513	108,854	25,231	31,920	292,828	102%
LOSSES & OMISSIONS	-1,052	-138	-56	-2	1,286	1,424	1,804	3,485	6,740	2%

TOTAL NET USAGE	-45,380	-20,028	-88,882	-21,666	297,799	110,279	27,036	29,313	288,470	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	200,931	29,384	502,006	-	732,322	95%
HYDROELECTRIC	-	-	-	-	-	-	-	36,504	36,504	5%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	50	50	0%

TOTAL SUPPLY	-	-	-	-	200,931	29,384	502,006	36,555	768,877	

NET IMPORTS OF REGION	-45,380	-20,028	-88,882	-21,666	96,867	80,894	-474,970	-7,241	-480,407	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 76.71%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= -3.55%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.47%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISMILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS {ALL UNITS IN 10**12 JOULES}	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	10,823	551	-	23,255	-	78,362	154	25,683	144,830	27%
INDUSTRIAL	37,745	914	18,437	21,898	-	53,870	8,522	12,846	154,236	28%
TRANSPORTATION	25,469	955	92,980	24,889	-	12,154	-	549	156,998	29%
MISCELLANEOUS USES	887	39	-	487	-	6,315	-	1,956	9,685	2%
TOTAL FINAL DEMAND SECTORS	74,925	2,460	111,418	75,530	-	150,702	8,676	41,035	465,750	86%
TRANSFORMATION										
ELECTRICITY GEN.	1,730	4,364	-	-	-	40,745	32,816	-22,162	57,496	11%
PETROLEUM PRODUCTS	-2,616	-331	-5,568	-2,507	22,748	473	-	-	12,198	2%
NATURAL GAS	-	-	-	-939	-	1,015	-	-	75	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-386	4,033	-5,568	-3,447	22,748	42,235	32,816	-22,162	69,770	13%
TOTAL GROSS FLOWS	76,656	6,825	111,418	75,530	22,748	192,937	41,493	41,035	535,521	99%
LOSSES & OMISSIONS	-2,246	-212	-120	-4	98	2,525	2,967	4,480	7,488	1%
TOTAL NET USAGE	71,793	6,282	105,729	73,079	22,847	195,463	44,460	23,354	543,010	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	37,439	4,300	-	-	41,739	62%
HYDROELECTRIC	-	-	-	-	-	-	-	4,366	4,366	6%
NUCLEAR	-	-	-	-	-	-	-	21,319	21,319	32%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	37,439	4,300	-	25,686	67,425	
NET IMPORTS OF REGION	71,793	6,282	105,729	73,079	-14,591	191,162	44,460	-2,332	475,584	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 72.18%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 52.53%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.48%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,665	167	-	5,121	-	24,323	114	19,076	51,468	16%
INDUSTRIAL	4,162	611	3,091	2,657	-	11,360	548	7,202	29,633	9%
TRANSPORTATION	5,465	2	52,418	67,203	-	526	-	382	125,998	40%
MISCELLANEOUS USES	454	49	-	245	-	2,141	-	737	3,628	1%
TOTAL FINAL DEMAND SECTORS	12,748	831	55,509	75,227	-	38,351	663	27,398	210,729	67%
TRANSFORMATION										
ELECTRICITY GEN.	353	8,329	-	-	-	27,166	102,160	-43,089	94,920	30%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	353	8,329	-	-	-	27,166	102,160	-43,089	94,920	30%
TOTAL GROSS FLOWS	13,101	9,160	55,509	75,227	-	65,517	102,823	27,398	305,650	97%
LOSSES & OMISSIONS	-383	-284	-59	-4	-	857	7,353	2,991	10,469	3%
TOTAL NET USAGE	12,717	8,875	55,449	75,222	-	66,375	110,177	-12,699	316,119	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	701	-	-	-	701	10%
HYDROELECTRIC	-	-	-	-	-	-	-	6,083	6,083	90%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	701	-	-	6,083	6,784	
NET IMPORTS OF REGION	12,717	8,875	55,449	75,222	-701	66,375	110,177	-18,782	309,334	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=68.78%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	35,046	4,589	-	9,870	-	5,882	-	12,157	67,547	30%
INDUSTRIAL	5,079	14,885	2,337	4,567	-	1,038	-	4,969	32,878	15%
TRANSPORTATION	4,083	98	49,898	35,435	-	35	-	158	89,709	40%
MISCELLANEOUS USES	771	419	-	178	-	513	-	270	2,152	1%
TOTAL FINAL DEMAND SECTORS	44,980	19,992	52,235	50,052	-	7,471	-	17,555	192,287	86%
TRANSFORMATION										
ELECTRICITY GEN.	165	15,116	-	-	-	190	27,480	-13,215	29,737	13%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	165	15,116	-	-	-	190	27,480	-13,215	29,737	13%
TOTAL GROSS FLOWS	45,146	35,108	52,235	50,052	-	7,662	27,480	17,555	222,025	99%
LOSSES & OMISSIONS	-1,322	-1,091	-56	-2	-	100	1,965	1,916	1,508	1%
TOTAL NET USAGE	43,823	34,017	52,179	50,049	-	7,762	29,445	6,256	223,533	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	3,861	3,861	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	3,861	3,861	
NET IMPORTS OF REGION	43,823	34,017	52,179	50,049	-	7,762	29,445	2,394	219,672	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 69.23%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	237,616	61,427	-	44,369	-	205,441	3,051	91,409	643,315	35%
INDUSTRIAL	70,557	90,224	16,750	131,628	-	65,837	1,253	60,879	437,130	24%
TRANSPORTATION	62,996	22,411	417,348	47,366	-	3,760	-	2,712	556,596	30%
MISCELLANEOUS USES	11,600	14,291	-	1,825	-	5,976	-	1,512	35,207	2%
TOTAL FINAL DEMAND SECTORS	382,771	188,354	434,098	225,190	-	281,015	4,304	156,515	1,672,249	90%
TRANSFORMATION										
ELECTRICITY GEN.	13,786	158,651	-	-	-	8,915	63,427	-73,328	171,451	9%
PETROLEUM PRODUCTS	-238,260	-145,059	-472,505	-243,328	1,095,066	4,686	-	-	599	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-224,473	13,592	-472,505	-243,328	1,095,066	13,601	63,427	-73,328	172,050	9%
TOTAL GROSS FLOWS	396,558	347,005	434,098	225,190	1,095,066	294,616	67,731	156,515	1,844,300	100%
LOSSES & OMISSIONS	-11,620	-10,792	-458	-12	4,750	3,856	4,843	17,089	7,645	0%
TOTAL NET USAGE	146,677	191,153	-38,875	-18,151	1,099,816	298,473	72,575	100,276	1,851,945	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	35	35	0%
NUCLEAR	-	-	-	-	-	-	-	11,334	11,334	100%
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	11,370	11,370	
NET IMPORTS OF REGION	146,677	191,153	-38,875	-18,151	1,099,816	298,473	72,575	88,905	1,840,574	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=70.04%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.05%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,108	8	-	22,022	-	38,924	-	12,211	75,274	12%
INDUSTRIAL	10,289	1,061	7,320	23,507	-	61,785	5	9,982	113,952	18%
TRANSPORTATION	18,196	-	85,776	28,608	-	32,789	-	223	169,593	27%
MISCELLANEOUS USES	1,052	1	-	526	-	15,172	-	1,675	18,427	3%
TOTAL FINAL DEMAND SECTORS	31,647	1,070	97,096	74,663	-	148,671	5	24,092	377,247	61%
TRANSFORMATION										
ELECTRICITY GEN.	208	11,299	-	-	-	70,455	180,771	-70,667	192,067	31%
PETROLEUM PRODUCTS	-41,467	-32,170	-54,852	-35,020	177,655	6,290	-	-	20,435	3%
NATURAL GAS	-	-	-	-167,626	-	181,076	-	-	13,449	2%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-41,258	-20,871	-54,852	-202,646	177,655	257,822	180,771	-70,667	225,952	36%
TOTAL GROSS FLOWS	31,855	12,369	97,096	74,663	177,655	406,494	180,776	24,092	603,200	97%
LOSSES & OMISSIONS	-933	-384	-104	-4	770	5,321	12,927	2,630	20,222	3%
TOTAL NET USAGE	-10,544	-20,185	42,138	-127,987	178,426	411,815	193,704	-43,943	623,423	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	581,577	1,387,055	213,893	-	2,182,525	100%
HYDROELECTRIC	-	-	-	-	-	-	-	227	227	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	581,577	1,337,055	213,893	227	2,182,753	
NET IMPORTS OF REGION	-10,544	-20,185	42,138	-127,987	-403,150	-975,240	-20,188	-44,171	-1,559,330	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 73.10%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 11.11%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	469,557	310,705	-	128,036	-	469,242	10,667	189,570	1,577,780	42%
INDUSTRIAL	58,132	88,096	39,522	63,065	-	99,167	169,951	115,525	633,461	17%
TRANSPORTATION	65,623	56,322	715,961	72,246	-	8,516	-	14,351	933,021	25%
MISCELLANEOUS USES	10,082	31,530	-	4,072	-	26,933	-	24,510	97,229	3%
TOTAL FINAL DEMAND SECTORS	603,395	486,754	755,484	267,421	-	603,859	180,618	343,958	3,241,492	85%
TRANSFORMATION										
ELECTRICITY GEN.	28,919	559,249	-	27	-	14,703	172,595	-236,777	538,718	14%
PETROLEUM PRODUCTS	-48,477	-29,510	-74,542	-51,307	202,757	968	-	-	-111	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-19,558	529,739	-74,542	-51,280	202,757	15,672	172,595	-236,777	538,606	14%
TOTAL GROSS FLOWS	632,315	1,046,004	755,484	267,448	202,757	619,532	353,214	343,958	3,780,211	99%
LOSSES & OMISSIONS	-18,529	-32,533	-815	-15	879	8,109	25,258	37,556	19,911	1%
TOTAL NET USAGE	565,308	983,960	680,126	216,125	203,637	627,641	378,473	144,738	3,800,010	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	5,350	7,362	-	-	12,713	8%
HYDROELECTRIC	-	-	-	-	-	-	-	104,118	104,118	63%
NUCLEAR	-	-	-	-	-	-	-	47,219	47,219	29%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	5,350	7,362	-	151,337	164,050	
NET IMPORTS OF REGION	565,308	983,960	680,126	216,125	198,286	620,275	378,473	-6,599	3,635,959	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.47%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-0.05%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	48,199	5,474	-	68,262	-	43,390	6,578	99,286	271,190	18%
INDUSTRIAL	52,372	74,769	20,498	42,756	-	56,806	45,259	75,710	368,173	25%
TRANSPORTATION	48,693	1,408	334,851	45,200	-	4,730	-	1,946	436,830	30%
MISCELLANEOUS USES	3,646	1,048	-	1,705	-	4,041	-	4,576	15,019	1%
TOTAL FINAL DEMAND SECTORS	152,912	82,700	355,350	157,924	-	108,969	51,838	181,519	1,091,213	74%
TRANSFORMATION										
ELECTRICITY GEN.	851	1,271	-	-	-	108	488,927	-161,558	329,600	22%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	851	1,271	-	-	-	108	488,927	-161,558	329,600	22%
TOTAL GROSS FLOWS	153,763	83,971	355,350	157,924	-	109,077	540,765	181,519	1,420,814	96%
LOSSES & OMISSIONS	-4,505	-2,611	-383	-9	-	1,427	38,671	19,820	52,408	4%
TOTAL NET USAGE	149,257	81,359	354,966	157,915	-	110,505	579,437	39,781	1,473,223	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	25,380	25,380	83%
NUCLEAR	-	-	-	-	-	-	-	5,125	5,125	17%
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	30,505	30,505	
NET IMPORTS OF REGION	149,257	81,359	354,966	157,915	-	110,505	579,437	9,275	1,442,717	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=67.11%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL		
			(ALL UNITS IN 10**12 JOULES)								

FINAL DEMAND SECTORS											
RESIDENTIAL, COMM.	10,074	290	-	10,267	-	21,049	1,508	10,294	53,484	23%	
INDUSTRIAL	15,882	1,538	16,674	7,259	-	4,447	329	1,917	48,048	20%	
TRANSPORTATION	9,607	6	41,934	23,635	-	570	-	209	75,964	32%	
MISCELLANEOUS USES	1,024	26	-	284	-	1,738	-	723	3,797	2%	

TOTAL FINAL DEMAND SECTORS	36,587	1,861	58,608	41,447	-	27,805	1,837	13,145	181,294	77%	

TRANSFORMATION											
ELECTRICITY GEN.	11	43	-	-	-	168	64,253	-17,731	46,745	20%	
PETROLEUM PRODUCTS	-25,591	-8,263	-43,210	-9,087	80,376	6,903	-	-	1,127	0%	
NATURAL GAS	-	-	-	-6,835	-	7,383	-	-	548	0%	
SYN-GAS	-	-	-	-	-	-	-	-	-	-	

NET FUEL USED IN TRANSFORMATION	-25,579	-8,220	-43,210	-15,922	80,376	14,456	64,253	-17,731	48,421	21%	

TOTAL GROSS FLOWS	36,599	1,904	58,608	41,447	80,376	42,261	66,090	13,145	229,716	98%	
LOSSES & OMISSIONS	-1,072	-59	-63	-2	348	553	4,726	1,435	5,866	2%	

TOTAL NET USAGE	9,935	-6,417	15,334	25,522	80,725	42,814	70,816	-3,149	235,582		

SUPPLY OF ENERGY											
FOSSIL FUEL	-	-	-	-	125,119	28,575	127,194	-	280,888	96%	
HYDROELECTRIC	-	-	-	-	-	-	-	12,040	12,040	4%	
NUCLEAR	-	-	-	-	-	-	-	-	-	-	
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-	

TOTAL SUPPLY	-	-	-	-	125,119	28,575	127,194	12,040	292,929		

NET IMPORTS OF REGION	9,935	-6,417	15,334	25,522	-44,393	14,239	-56,377	-15,190	-57,346		

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=72.50%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.29%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	82,736	2,050	-	116,766	-	618,535	19,303	166,818	1,006,210	23%
INDUSTRIAL	65,757	42,246	39,366	170,590	-	348,371	525,911	192,952	1,385,695	32%
TRANSPORTATION	86,813	3,930	613,742	29,249	-	18,433	-	4,002	756,171	18%
MISCELLANEOUS USES	3,802	348	-	1,979	-	21,842	-	12,467	40,440	1%
TOTAL FINAL DEMAND SECTORS	239,109	48,575	653,108	318,586	-	1,007,683	545,215	376,241	3,188,519	74%
TRANSFORMATION										
ELECTRICITY GEN.	15,778	8,687	-	9,786	-	4,961	1,227,868	-369,292	897,790	21%
PETROLEUM PRODUCTS	-239,114	-77,953	-690,934	-212,399	1,212,316	28,879	-	-	20,793	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-223,335	-69,266	-690,934	-202,613	1,212,316	33,841	1,227,868	-369,292	918,583	21%
TOTAL GROSS FLOWS	254,887	57,262	653,103	128,372	1,212,316	1,041,524	1,773,083	376,241	4,107,102	96%
LOSSES & OMISSIONS	-7,469	-1,781	-704	-18	5,258	13,633	126,796	41,081	176,796	4%
TOTAL NET USAGE	8,304	-22,471	-38,530	115,954	1,217,575	1,055,157	1,899,879	48,030	4,283,899	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	39,585	79,464	1,213,538	-	1,332,588	100%
HYDROELECTRIC	-	-	-	-	-	-	-	26	26	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	39,585	79,464	1,213,538	26	1,332,615	
NET IMPORTS OF REGION	8,304	-22,471	-38,530	115,954	1,177,989	975,693	686,340	48,004	2,951,283	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 70.95%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.68%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0%
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	8,225	253	-	47,553	-	118,964	53	55,041	230,091	19%
INDUSTRIAL	16,507	2,235	19,182	74,218	-	161,278	959	21,520	295,902	24%
TRANSPORTATION	30,244	159	174,865	29,571	-	27,386	-	1,324	263,552	22%
MISCELLANEOUS USES	1,489	167	-	1,499	-	144,487	-	4,791	152,436	13%

TOTAL FINAL DEMAND SECTORS	56,466	2,815	194,048	152,843	-	452,117	1,013	82,678	941,983	78%

TRANSFORMATION										
ELECTRICITY GEN.	340	193	-	-	-	324,973	1	-109,151	216,356	18%
PETROLEUM PRODUCTS	-266,093	-33,847	-560,821	-195,838	1,017,237	51,699	-	-	12,336	1%
NATURAL GAS	-	-	-	-172,164	-	185,980	-	-	13,815	1%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-265,752	-33,654	-560,821	-368,002	1,017,237	562,653	1	-109,151	242,508	20%

TOTAL GROSS FLOWS	56,807	3,008	194,048	152,843	1,017,237	1,014,770	1,014	82,678	1,184,491	98%
LOSSES & OMISSIONS	-1,664	-93	-209	-8	4,412	13,283	72	9,027	24,819	2%

TOTAL NET USAGE	-210,950	-30,932	-366,983	-215,167	1,021,650	1,028,053	1,087	-17,445	1,209,311	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	997,921	1,810,397	76,487	-	2,884,805	100%
HYDROELECTRIC	-	-	-	-	-	-	-	11,181	11,181	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	997,921	1,810,397	76,487	11,181	2,895,987	

NET IMPORTS OF REGION	-210,950	-30,932	-366,983	-215,167	23,728	-782,343	-75,400	-28,627	-1,686,676	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=66.47%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.15%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMME.	21,725	13,949	-	16,312	-	38,099	213	61,843	151,844	25%
INDUSTRIAL	12,282	13,399	8,665	15,275	-	49,926	2,627	52,876	155,052	26%
TRANSPORTATION	41,833	2,535	145,223	69,503	-	9,462	9	1,069	269,638	45%
MISCELLANEOUS USES	834	1,928	-	417	-	1,126	17	842	5,167	1%
TOTAL FINAL DEMAND SECTORS	76,675	31,812	153,888	101,210	-	98,615	2,867	116,632	581,702	98%
TRANSFORMATION										
ELECTRICITY GEN.	127	-	-	-	-	2	-	-32	97	0%
PETROLEUM PRODUCTS	-3,016	-5,152	-	-15,794	26,472	393	-	-	2,901	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-2,889	-5,152	-	-15,794	26,472	395	-	-32	2,998	1%
TOTAL GROSS FLOWS	76,803	31,812	153,888	101,210	26,472	99,010	2,867	116,632	584,701	98%
LOSSES & OMISSIONS	-2,250	-989	-166	-5	114	1,296	205	12,735	10,939	2%
TOTAL NET USAGE	71,535	25,670	153,722	85,409	26,587	100,306	3,073	129,334	595,640	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	123,280	123,280	100%
NUCLEAR	-	-	-	-	-	-	-	7	7	0%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	123,288	123,288	
NET IMPORTS OF REGION	71,535	25,670	153,722	85,409	26,587	100,306	3,073	6,046	472,352	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 74.80%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 10.80%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	212,850	58,704	-	81,041	-	412,712	48,818	173,911	988,037	23%
INDUSTRIAL	112,279	117,582	36,476	173,739	-	291,959	822,319	132,112	1,586,468	38%
TRANSPORTATION	93,389	25,902	558,867	46,679	-	24,877	-	7,845	757,561	17%
MISCELLANEOUS USES	8,093	20,521	-	2,276	-	19,131	-	3,109	53,132	1%

TOTAL FINAL DEMAND SECTORS	426,612	222,711	595,343	303,735	-	748,681	871,137	316,978	3,485,200	80%

TRANSFORMATION										
ELECTRICITY GEN.	21,005	68,123	-	-	-	1,310	1,031,154	-326,825	794,767	18%
PETROLEUM PRODUCTS	-337,181	-205,284	-625,643	-240,839	1,339,419	6,583	-	-	-52,946	0%
NATURAL GAS	-	-	-	-200	-	216	-	-	15	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-316,176	-137,161	-625,643	-241,039	1,339,419	8,109	1,031,154	-326,825	731,837	17%

TOTAL GROSS FLOWS	447,617	290,834	595,343	303,735	1,339,419	756,790	1,902,292	316,978	4,279,984	98%
LOSSES & OMISSIONS	-13,116	-9,045	-642	-17	5,809	9,906	136,036	34,610	163,540	4%

TOTAL NET USAGE	97,319	76,503	-30,942	62,678	1,345,229	766,697	2,038,328	24,764	4,380,578	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	19,019	45,161	2,371,280	-	2,435,460	97%
HYDROELECTRIC	-	-	-	-	-	-	-	8,416	8,416	0%
NUCLEAR	-	-	-	-	-	-	-	57,146	57,146	2%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	19,019	45,161	2,371,280	65,563	2,501,023	

NET IMPORTS OF REGION	97,319	76,503	-30,942	62,678	1,326,210	721,536	-332,951	-40,798	1,879,555	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=70.86%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-4.68%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.32%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	36,037	9,519	-	5,778	-	17,252	-	10,154	78,741	36%
INDUSTRIAL	4,435	5,763	2,478	2,937	-	5,058	-	5,125	25,799	12%
TRANSPORTATION	6,183	206	43,203	41,652	-	145	-	147	96,539	45%
MISCELLANEOUS USES	2,466	3,330	-	459	-	977	-	479	7,713	4%
TOTAL FINAL DEMAND SECTORS	49,121	18,819	50,682	50,828	-	23,434	-	15,907	208,794	97%
TRANSFORMATION										
ELECTRICITY GEN.	152	10,225	-	-	-	11	-	-2,875	7,514	3%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	152	10,225	-	-	-	11	-	-2,875	7,514	3%
TOTAL GROSS FLOWS	49,274	29,044	50,682	50,828	-	23,446	-	15,907	216,308	100%
LOSSES & OMISSIONS	-1,443	-903	-54	-2	-	306	-	1,736	-361	0%
TOTAL NET USAGE	47,830	28,141	50,627	50,825	-	23,752	-	14,768	215,947	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	12	12	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	12	12	
NET IMPORTS OF REGION	47,830	28,141	50,627	50,825	-	23,752	-	14,756	215,934	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 72.32%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	14,200	1,063	-	27,572	-	32,560	4,297	51,527	131,222	16%
INDUSTRIAL	19,687	41,053	14,321	22,737	-	75,566	37,483	51,539	262,389	33%
TRANSPORTATION	18,999	2,426	188,980	41,936	-	3,489	-	811	256,643	32%
MISCELLANEOUS USES	1,331	553	-	1,092	-	7,965	-	2,729	13,673	2%
TOTAL FINAL DEMAND SECTORS	54,218	45,036	203,301	93,332	-	119,582	41,780	106,608	663,928	83%
TRANSFORMATION										
ELECTRICITY GEN.	722	29,176	-	-	-	15,733	118,180	-53,018	110,795	14%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	722	29,176	-	-	-	15,733	118,180	-53,018	110,795	14%
TOTAL GROSS FLOWS	54,941	74,273	203,301	93,339	-	135,315	159,961	106,608	774,723	97%
LOSSES & OMISSIONS	-1,609	-2,310	-219	-5	-	1,771	11,439	11,640	20,706	3%
TOTAL NET USAGE	53,331	71,963	203,082	93,333	-	137,087	171,400	65,230	795,429	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	15,882	15,882	18%
NUCLEAR	-	-	-	-	-	-	-	70,057	70,057	82%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	85,939	85,939	
NET IMPORTS OF REGION	53,331	71,963	203,082	93,333	-	137,087	171,400	-20,709	709,489	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 67.63%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	11,234	61	-	14,462	-	21,622	240	10,135	57,756	28%
INDUSTRIAL	15,997	788	10,633	3,967	-	2,759	2	2,266	36,414	18%
TRANSPORTATION	5,922	6	49,550	24,611	-	394	-	120	80,605	39%
MISCELLANEOUS USES	436	5	-	277	-	1,170	-	805	2,696	1%
TOTAL FINAL DEMAND SECTORS	33,591	861	60,183	43,318	-	25,947	242	13,328	177,473	87%
TRANSFORMATION										
ELECTRICITY GEN.	579	778	-	-	-	3,491	27,173	-7,875	24,147	12%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-349	-	376	-	-	27	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	579	778	-	-349	-	3,867	27,173	-7,875	24,174	12%
TOTAL GROSS FLOWS	34,170	1,640	60,183	43,318	-	29,814	27,415	13,328	201,648	99%
LOSSES & OMISSIONS	-1,001	-51	-64	-2	-	390	1,960	1,455	2,686	1%
TOTAL NET USAGE	33,168	1,589	60,118	42,956	-	30,205	29,376	6,908	204,334	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	2,885	44	-	-	2,930	9%
HYDROELECTRIC	-	-	-	-	-	-	-	28,402	28,402	91%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	2,885	44	-	28,402	31,332	
NET IMPORTS OF REGION	33,168	1,589	60,118	42,966	-2,885	30,160	29,376	-21,493	173,001	

NOTES:

1	TRANSFORMATION LOSS FOR ELECTRICITY GEN.	=75.41%
2	TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR NATURAL GAS	= 7.28%
4	TRANSFORMATION LOSS FOR SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	10,500	60	-	55,292	-	80,511	5,775	117,275	269,415	17%
INDUSTRIAL	28,266	11,814	16,494	50,517	-	105,304	105,050	112,292	429,742	28%
TRANSPORTATION	53,716	20	269,157	35,437	-	22,675	-	2,069	383,075	25%
MISCELLANEOUS USES	1,894	1,284	-	900	-	6,518	-	2,281	12,880	1%
TOTAL FINAL DEMAND SECTORS	94,378	13,179	285,652	142,147	-	215,010	110,825	233,919	1,095,113	71%
TRANSFORMATION										
ELECTRICITY GEN.	8,048	-	-	-	-	-	506,160	-153,974	360,233	23%
PETROLEUM PRODUCTS	-17,431	-5,683	-40,199	-24,290	106,679	2,145	-	-	21,223	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-9,383	-5,683	-40,199	-24,290	106,679	2,145	506,160	-153,974	381,457	25%
TOTAL GROSS FLOWS	102,426	13,179	285,652	142,147	106,679	217,159	616,985	233,919	1,476,571	96%
LOSSES & OMISSIONS	-3,001	-409	-308	-8	462	2,842	44,121	25,541	69,240	4%
TOTAL NET USAGE	81,993	7,086	245,144	117,848	107,141	220,002	661,107	105,486	1,545,811	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	4,175	30	220,401	-	224,607	84%
HYDROELECTRIC	-	-	-	-	-	-	-	42,498	42,498	16%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	4,175	30	220,401	42,498	267,106	
NET IMPORTS OF REGION	81,993	7,086	245,144	117,848	102,966	219,971	440,706	62,988	1,278,705	

NOTES:

1	TRANSFORMATION LOSS FOR ELECTRICITY GEN.	=70.06%
2	TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS	=19.50%
3	TRANSFORMATION LOSS FOR NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	28,181	2,305	-	230,429	-	324,151	-	261,909	846,977	11%
INDUSTRIAL	71,443	9,962	90,478	1,257,727	-	1,974,103	24,442	181,279	3,609,439	48%
TRANSPORTATION	182,919	156,245	921,959	79,758	-	92,109	-	5,869	1,438,861	19%
MISCELLANEOUS USES	21,958	14,877	-	4,400	-	136,966	-	13,049	191,254	3%
TOTAL FINAL DEMAND SECTORS	304,502	183,391	1,012,438	1,572,316	-	2,527,331	24,442	462,109	6,086,532	81%
TRANSFORMATION										
ELECTRICITY GEN.	483	11,425	-	-	-	1,443,787	125,927	-518,955	1,062,667	14%
PETROLEUM PRODUCTS	-1,664,549	-675,460	-3,478,507	-1,940,914	7,404,819	485,614	-	-	131,300	2%
NATURAL GAS	-	-	-	-1,239,801	-	1,339,283	-	-	99,482	1%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-1,564,066	-664,035	-3,478,507	-3,130,716	7,404,819	3,268,686	125,327	-518,955	1,293,150	17%
TOTAL GROSS FLOWS	304,985	194,817	1,012,438	1,572,316	7,404,819	5,796,017	150,370	462,109	7,379,683	98%
LOSSES & OMISSIONS	-8,937	-6,059	-1,092	-90	32,119	75,869	10,753	50,457	153,020	2%
TOTAL NET USAGE	-1,368,501	-486,702	-2,467,162	-1,608,490	7,436,939	5,871,887	161,123	-6,388	7,532,704	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	7,475,601	8,613,908	153,185	-	16,242,694	100%
HYDROELECTRIC	-	-	-	-	-	-	-	6,859	6,859	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	7,475,601	8,513,908	153,185	6,859	16,249,554	
NET IMPORTS OF REGION	-1,368,501	-486,702	-2,467,162	-1,608,490	-38,662	-2,742,020	7,937	-13,248	-8,716,850	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=67.19%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.66%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	10,491	2,488	-	19,639	-	66,030	1,816	13,143	113,609	25%
INDUSTRIAL	8,987	10,076	5,701	21,086	-	43,444	56,955	12,233	158,485	35%
TRANSPORTATION	22,798	67	76,336	14,259	-	1,002	102	231	114,798	25%
MISCELLANEOUS USES	2,978	1,025	-	603	-	2,849	410	1,661	9,528	2%

TOTAL FINAL DEMAND SECTORS	45,256	13,657	82,038	55,588	-	113,325	59,284	27,269	396,420	88%

TRANSFORMATION										
ELECTRICITY GEN.	24	1,008	-	-	-	2,943	54,368	-16,859	41,485	9%
PETROLEUM PRODUCTS	-77,736	-23,568	-124,284	-36,694	247,051	15,269	-	-	36	0%
NATURAL GAS	-	-	-	-11,180	-	12,078	-	-	897	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-77,712	-22,560	-124,284	-47,875	247,051	30,291	54,368	-16,859	42,419	9%

TOTAL GROSS FLOWS	45,280	14,665	82,038	55,588	247,051	143,617	113,653	27,269	438,840	97%
LOSSES & OMISSIONS	-1,326	-456	-38	-3	1,071	1,879	8,127	2,977	12,181	3%

TOTAL NET USAGE	-33,783	-9,358	-42,335	7,710	248,123	145,497	121,781	13,387	451,022	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	244,860	63,535	186,792	-	495,188	99%
HYDROELECTRIC	-	-	-	-	-	-	-	3,869	3,869	1%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	244,860	63,535	186,792	3,869	499,057	

NET IMPORTS OF REGION	-33,783	-9,358	-42,335	7,710	3,263	81,961	-65,011	9,518	-48,034	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 71.10%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.01%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	CCAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	20,432	1,657	-	6,626	-	2,128	-	7,426	38,271	31%
INDUSTRIAL	2,765	3,516	1,955	1,119	-	1,494	-	3,030	13,882	11%
TRANSPORTATION	3,781	40	29,301	35,227	-	27	-	89	68,966	56%
MISCELLANEOUS USES	711	163	-	111	-	165	-	475	1,628	1%

TOTAL FINAL DEMAND SECTORS	27,691	5,377	31,756	43,084	-	3,816	-	11,022	122,749	99%

TRANSFORMATION										
ELECTRICITY GEN.	530	2	-	-	-	599	379	-329	1,182	1%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	530	2	-	-	-	599	379	-329	1,182	1%

TOTAL GROSS FLOWS	28,222	5,379	31,756	43,084	-	4,415	379	11,022	123,931	100%
LOSSES & OMISSIONS	-827	-167	-34	-2	-	57	27	1,203	257	0%

TOTAL NET USAGE	27,395	5,212	31,722	43,081	-	4,473	406	11,897	124,188	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	3,134	3,134	20%
NUCLEAR	-	-	-	-	-	-	-	12,820	12,820	80%
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	15,954	15,954	

NET IMPORTS OF REGION	27,395	5,212	31,722	43,081	-	4,473	405	-4,057	108,234	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=78.23%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	57,869	6,183	-	44,440	-	73,030	5,894	87,486	274,903	22%
INDUSTRIAL	37,459	55,261	15,146	35,540	-	34,027	63,976	35,041	276,454	22%
TRANSPORTATION	42,111	14,963	310,879	64,993	-	4,367	-	2,012	439,329	34%
MISCELLANEOUS USES	5,922	29,902	-	3,478	-	10,290	-	15,435	65,030	5%
TOTAL FINAL DEMAND SECTORS	143,363	106,311	326,026	148,453	-	121,716	69,870	139,976	1,055,717	83%
TRANSFORMATION										
ELECTRICITY GEN.	3,818	177,330	-	-	-	535	110,965	-90,195	202,454	16%
PETROLEUM PRODUCTS	-23,286	-14,184	-49,604	-14,423	101,012	460	-	-	-25	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-19,468	163,145	-49,604	-14,423	101,012	996	110,965	-90,195	202,429	16%
TOTAL GROSS FLOWS	147,181	283,641	326,026	148,453	101,012	122,713	180,836	139,976	1,258,172	99%
LOSSES & OMISSIONS	-4,312	-8,822	-351	-8	438	1,606	12,931	15,283	16,764	1%
TOTAL NET USAGE	119,581	260,634	276,070	134,021	101,450	124,319	193,768	65,064	1,274,912	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	17	7,750	987,338	-	995,106	96%
HYDROELECTRIC	-	-	-	-	-	-	-	4,882	4,882	0%
NUCLEAR	-	-	-	-	-	-	-	32,288	32,288	3%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	17	7,750	987,338	37,171	1,032,278	
NET IMPORTS OF REGION	119,581	260,634	276,070	134,021	101,433	116,568	-793,569	27,893	242,634	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.18%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-0.02%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	38,691	15,643	-	24,693	-	69,503	219	99,358	248,110	24%
INDUSTRIAL	30,761	21,106	17,230	61,868	-	88,075	3,399	108,164	330,605	32%
TRANSPORTATION	39,713	13,301	222,742	76,625	-	8,442	14	1,423	362,264	35%
MISCELLANEOUS USES	2,167	2,838	-	1,151	-	4,825	34	4,545	15,563	1%
TOTAL FINAL DEMAND SECTORS	111,332	52,889	239,973	164,339	-	170,847	3,668	213,492	956,544	91%

TRANSFORMATION										
ELECTRICITY GEN.	10	472	-	7	-	-	81,773	-22,075	60,187	6%
PETROLEUM PRODUCTS	-76,907	-133,923	-351,736	-159,196	713,798	10,319	-	-	2,353	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-76,896	-133,451	-351,736	-159,189	713,798	10,319	81,773	-22,075	62,541	6%
TOTAL GROSS FLOWS	111,343	53,362	239,973	164,347	713,798	181,167	85,441	213,492	1,019,085	97%
LOSSES & OMISSIONS	-3,262	-1,659	-258	-9	3,096	2,371	6,110	23,311	29,698	3%
TOTAL NET USAGE	31,173	-82,221	-112,022	5,141	716,894	183,538	91,551	214,727	1,048,783	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	76,356	-	76,356	20%
HYDROELECTRIC	-	-	-	-	-	-	-	300,682	300,682	77%
NUCLEAR	-	-	-	-	-	-	-	11,908	11,908	3%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	76,356	312,590	388,947	

NET IMPORTS OF REGION	31,173	-82,221	-112,022	5,141	716,894	183,538	15,195	-97,863	659,836	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 73.16%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.32%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL		
			(ALL UNITS IN 10**12 JOULES)								

FINAL DEMAND SECTORS											
RESIDENTIAL, COMM.	5,681	2,344	-	11,372	-	79,742	4,466	18,760	122,368	9%	
INDUSTRIAL	12,229	19,122	3,967	25,771	-	82,731	230,255	41,875	415,952	32%	
TRANSPORTATION	19,629	62	103,545	36,388	-	17,025	-	74	176,726	13%	
MISCELLANEOUS USES	668	204	-	257	-	3,305	-	304	4,741	0%	

TOTAL FINAL DEMAND SECTORS	38,209	21,734	107,512	73,790	-	182,805	234,721	61,015	719,788	55%	

TRANSFORMATION											
ELECTRICITY GEN.	-	4,692	-	82	-	386	729,473	-219,381	515,253	39%	
PETROLEUM PRODUCTS	-8,553	-5,205	-18,217	-5,297	37,084	168	-	-	-20	0%	
NATURAL GAS	-	-	-	-26,076	-	28,170	-	-	2,093	0%	
SYN-GAS	-	-	-	-	-	-	-	-	-	-	

NET FUEL USED IN TRANSFORMATION	-8,553	-512	-18,217	-31,291	37,084	28,725	729,473	-219,381	517,327	39%	

TOTAL GROSS FLOWS	38,209	26,426	107,512	73,872	37,084	211,530	964,195	61,015	1,237,135	94%	
LOSSES & OMISSIONS	-1,119	-821	-116	-4	160	2,768	68,951	6,662	76,481	6%	

TOTAL NET USAGE	28,536	20,399	89,179	42,494	37,245	214,299	1,033,146	-151,703	1,313,597		

SUPPLY OF ENERGY											
FOSSIL FUEL	-	-	-	-	15,313	185,255	3,089,251	-	3,289,824	100%	
HYDROELECTRIC	-	-	-	-	-	-	-	1,683	1,683	0%	
NUCLEAR	-	-	-	-	-	-	-	-	-	-	
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-	

TOTAL SUPPLY	-	-	-	-	15,313	185,255	3,089,251	1,683	3,291,507		

NET IMPORTS OF REGION	28,536	20,399	89,179	42,494	21,931	29,039	-2,056,104	-153,386	-1,977,910		

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=70.14%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-0.05%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	98,976	4,105	-	63,829	-	179,533	9,178	64,610	420,233	32%
INDUSTRIAL	20,502	6,951	29,408	34,764	-	142,043	52,507	43,387	329,564	25%
TRANSPORTATION	29,703	2,045	254,442	28,363	-	7,512	-	932	322,999	25%
MISCELLANEOUS USES	1,929	301	-	895	-	15,617	-	3,228	21,972	2%
TOTAL FINAL DEMAND SECTORS	151,110	13,403	283,851	127,852	-	344,706	61,686	112,158	1,094,769	83%
TRANSFORMATION										
ELECTRICITY GEN.	3,548	3,638	-	2	-	21,531	233,659	-77,302	185,077	14%
PETROLEUM PRODUCTS	-19,907	-6,425	-33,617	-13,725	69,381	5,343	-	-	1,049	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-16,358	-2,787	-33,617	-13,722	69,381	26,875	233,659	-77,302	186,126	14%
TOTAL GROSS FLOWS	154,658	17,041	233,851	127,854	69,381	371,581	295,345	112,158	1,280,896	97%
LOSSES & OMISSIONS	-4,532	-530	-306	-7	300	4,864	21,120	12,246	33,156	3%
TOTAL NET USAGE	130,219	10,085	249,927	114,121	69,682	376,445	316,466	47,103	1,314,052	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	6,187	6,187	14%
NUCLEAR	-	-	-	-	-	-	-	37,056	37,056	86%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	43,243	43,243	
NET IMPORTS OF REGION	130,219	10,085	249,927	114,121	69,682	376,445	316,466	3,859	1,270,809	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 70.54%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.40%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS:										
RESIDENTIAL, COMM.	6,753	1,394	-	10,214	-	25,452	586	5,373	49,774	13%
INDUSTRIAL	10,365	5,404	3,434	17,245	-	63,591	509	10,113	110,665	30%
TRANSPORTATION	21,586	35	39,696	9,950	-	5,974	45	175	77,464	21%
MISCELLANEOUS USES	711	156	-	171	-	3,263	81	258	4,643	1%
TOTAL FINAL DEMAND SECTORS	39,417	6,991	43,130	37,583	-	98,281	1,222	15,920	242,547	65%
TRANSFORMATION										
ELECTRICITY GEN.	30	744	-	-	-	544	150,906	-38,900	113,325	30%
PETROLEUM PRODUCTS	-95,192	-28,861	-139,508	-58,061	302,868	18,819	-	-	64	0%
NATURAL GAS	-	-	-	-38,155	-	41,216	-	-	3,061	1%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-95,161	-28,116	-139,508	-96,216	302,868	60,580	150,906	-38,900	116,450	31%
TOTAL GROSS FLOWS	39,448	7,735	43,130	37,583	302,868	158,862	152,129	15,920	358,998	96%
LOSSES & OMISSIONS	-1,155	-240	-46	-2	1,313	2,079	10,879	1,738	14,565	4%
TOTAL NET USAGE	-56,900	-21,366	-96,424	-58,635	304,182	160,941	163,008	-21,242	373,564	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	834,714	368,735	517,757	-	1,721,207	100%
HYDROELECTRIC	-	-	-	-	-	-	-	4,038	4,038	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	834,714	368,735	517,757	4,038	1,725,246	
NET IMPORTS OF REGION	-56,900	-21,366	-96,424	-58,635	-530,531	-207,793	-354,749	-25,281	-1,351,682	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=74.45%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.02%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

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REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	15,969	3,656	-	4,534	-	335	36	3,680	28,213	24%
INDUSTRIAL	1,596	30,091	910	995	-	215	2,102	4,056	39,977	35%
TRANSPORTATION	4,050	2,244	22,043	16,001	-	5	-	48	44,397	38%
MISCELLANEOUS USES	861	471	-	98	-	50	-	252	1,744	2%

TOTAL FINAL DEMAND SECTORS	22,478	36,464	22,953	21,529	-	610	2,139	8,057	114,333	99%

TRANSFORMATION										
ELECTRICITY GEN.	205	2,369	-	-	-	-	-	-655	1,919	2%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	205	2,369	-	-	-	-	-	-655	1,919	2%

TOTAL GROSS FLOWS	22,684	38,833	22,953	21,629	-	610	2,139	8,057	116,253	101%
LOSSES & OMISSIONS	-664	-1,207	-24	-1	-	-	152	879	-857	0%

TOTAL NET USAGE	22,019	37,625	22,928	21,628	-	610	2,292	8,282	115,395	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	82	-	82	9%
HYDROELECTRIC	-	-	-	-	-	-	-	855	855	91%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	82	855	937	

NET IMPORTS OF REGION	22,019	37,625	22,928	21,628	-	610	2,209	7,426	114,458	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=74.56%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	37,616	8,976	-	10,547	-	1,315	77	9,091	67,624	30%
INDUSTRIAL	4,066	39,439	2,036	2,590	-	574	2,489	6,678	57,846	25%
TRANSPORTATION	6,416	4,093	50,555	28,380	-	14	-	84	39,545	39%
MISCELLANEOUS USES	1,343	1,024	-	202	-	157	-	568	3,296	1%

TOTAL FINAL DEMAND SECTORS	49,442	53,534	52,551	41,721	-	2,062	2,565	16,423	218,311	95%

TRANSFORMATION										
ELECTRICITY GEN.	58	16,279	-	-	-	-	-	-5,039	11,297	5%
PETROLEUM PRODUCTS	-38,899	-23,683	-77,143	-39,726	178,786	764	-	-	97	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-38,841	-7,403	-77,143	-39,726	178,786	764	-	-5,039	11,394	5%

TOTAL GROSS FLOWS	49,500	69,813	52,551	41,721	178,786	2,826	2,566	16,423	229,706	100%
LOSSES & OMISSIONS	-1,450	-2,171	-56	-2	775	37	183	1,793	-891	0%

TOTAL NET USAGE	9,150	43,959	-24,638	1,992	179,561	2,863	2,749	13,176	228,814	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	5,740	5,740	26%
NUCLEAR	-	-	-	-	-	-	-	16,208	16,208	74%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	21,948	21,948	

NET IMPORTS OF REGION	9,150	43,959	-24,638	1,992	179,561	2,863	2,749	-8,771	206,866	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 69.15%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.05%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	23,391	2,198	-	7,344	-	2,804	-	8,418	44,157	31%
INDUSTRIAL	3,171	8,667	2,114	1,664	-	1,422	-	3,570	20,611	15%
TRANSPORTATION	3,910	52	33,987	34,408	-	30	-	104	72,494	52%
MISCELLANEOUS USES	762	205	-	125	-	225	-	472	1,793	1%
TOTAL FINAL DEMAND SECTORS	31,235	11,123	36,102	43,543	-	4,485	-	12,565	139,056	99%
TRANSFORMATION										
ELECTRICITY GEN.	543	2	-	-	-	599	379	-331	1,192	1%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	543	2	-	-	-	599	379	-331	1,192	1%
TOTAL GROSS FLOWS	31,778	11,126	36,102	43,543	-	5,084	379	12,565	140,249	100%
LOSSES & OMISSIONS	-931	-346	-38	-2	-	66	27	1,372	145	0%
TOTAL NET USAGE	30,847	10,779	36,063	43,540	-	5,150	406	13,606	140,396	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	4,239	4,239	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	4,239	4,239	
NET IMPORTS OF REGION	30,847	10,779	36,063	43,540	-	5,150	406	9,367	136,157	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 79.27%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	296,133	126,747	-	43,958	-	127,825	267	80,819	675,753	42%
INDUSTRIAL	23,622	48,006	16,608	21,649	-	22,008	532	33,297	155,725	10%
TRANSPORTATION	51,145	6,263	340,268	107,888	-	1,789	-	1,477	508,832	32%
MISCELLANEOUS USES	12,686	15,656	-	1,756	-	5,510	-	2,556	39,265	2%
TOTAL FINAL DEMAND SECTORS	383,587	196,673	356,877	175,252	-	158,234	800	118,152	1,389,578	87%
TRANSFORMATION										
ELECTRICITY GEN.	3,143	268,687	-	109	-	768	50,212	-104,099	218,823	14%
PETROLEUM PRODUCTS	-82,219	-50,057	-163,054	-83,968	377,889	1,617	-	-	206	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-79,076	218,630	-163,054	-83,358	377,889	2,385	50,212	-104,099	219,030	14%
TOTAL GROSS FLOWS	386,730	465,361	356,877	175,362	377,889	160,620	51,013	118,152	1,508,608	100%
LOSSES & OMISSIONS	-11,332	-14,474	-335	-10	1,639	2,102	3,648	12,901	-5,911	0%
TOTAL NET USAGE	293,178	400,829	193,438	91,384	379,528	162,723	54,661	26,954	1,602,697	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	910	910	5%
NUCLEAR	-	-	-	-	-	-	-	9,313	9,313	53%
GEO. & SOLAR	-	-	-	-	-	-	-	7,446	7,446	42%
TOTAL SUPPLY	-	-	-	-	-	-	-	17,671	17,671	
NET IMPORTS OF REGION	293,178	400,829	193,438	91,384	379,528	152,723	54,661	9,283	1,585,026	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 57.76%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.05%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
FINAL DEMAND SECTORS									
RESIDENTIAL,CCMM.	106,130	30,831	-	20,626	-	49,585	34	43,010	250,219 38%
INDUSTRIAL	13,369	34,513	8,019	12,163	-	13,522	1,417	20,456	103,872 16%
TRANSPORTATION	16,402	2,997	169,047	32,461	-	517	-	610	222,037 34%
MISCELLANEOUS USES	2,422	3,331	-	679	-	1,521	-	935	8,990 1%
TOTAL FINAL DEMAND SECTORS	138,325	71,673	177,067	65,931	-	65,545	1,452	65,023	585,119 89%
TRANSFORMATION									
ELECTRICITY GEN.	901	105,780	-	67	-	1,356	120	-32,997	75,229 11%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	901	105,780	-	67	-	1,356	120	-32,997	75,229 11%
TOTAL GROSS FLOWS	139,227	177,454	177,057	65,998	-	67,002	1,572	65,023	650,348 100%
LOSSES & OMISSIONS	-4,079	-5,519	-131	-3	-	377	112	7,099	-1,704 0%
TOTAL NET USAGE	135,147	171,934	176,875	65,994	-	67,380	1,685	39,125	658,643
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	9,190	9,190 17%
NUCLEAR	-	-	-	-	-	-	-	46,416	46,416 83%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	55,606	55,606
NET IMPORTS OF REGION	135,147	171,934	176,875	65,994	-	67,880	1,635	-16,481	603,036

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 69.51%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0%
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	38,665	21,477	-	9,812	-	33,577	711	14,111	118,356	43%
INDUSTRIAL	5,842	11,609	4,637	5,226	-	7,442	10,776	9,326	54,862	20%
TRANSPORTATION	4,767	1,477	56,705	7,793	-	311	-	1,155	72,211	26%
MISCELLANEOUS USES	1,439	3,887	-	487	-	3,136	-	2,820	11,772	4%

TOTAL FINAL DEMAND SECTORS	50,715	38,452	61,343	23,320	-	44,468	11,488	27,413	257,203	94%

TRANSFORMATION										
ELECTRICITY GEN.	675	23,313	-	-	-	63	-	-7,894	16,157	6%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	675	23,313	-	-	-	63	-	-7,894	16,157	6%

TOTAL GROSS FLOWS	51,390	61,765	61,343	23,320	-	44,531	11,488	27,413	273,360	100%
LOSSES & OMISSIONS	-1,505	-1,921	-56	-1	-	582	821	2,993	903	0%

TOTAL NET USAGE	49,884	59,844	61,277	23,319	-	45,114	12,310	22,512	274,263	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	4,859	4,859	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	4,859	4,859	

NET IMPORTS OF REGION	49,884	59,844	61,277	23,319	-	45,114	12,310	17,652	269,404	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 67.18%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	37,571	22,533	-	10,343	-	37,186	862	14,521	123,020	39%
INDUSTRIAL	6,094	9,350	4,617	4,743	-	11,575	26,507	13,343	76,232	24%
TRANSPORTATION	3,893	1,939	57,604	7,119	-	341	-	783	71,683	23%
MISCELLANEOUS USES	1,287	2,896	-	289	-	1,764	-	1,703	7,941	3%
TOTAL FINAL DEMAND SECTORS	48,847	36,720	62,222	22,495	-	50,869	27,369	30,351	278,877	89%
TRANSFORMATION										
ELECTRICITY GEN.	3	22,122	-	-	-	-	23,052	-13,539	31,638	10%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	3	22,122	-	-	-	-	23,052	-13,539	31,638	10%
TOTAL GROSS FLOWS	48,850	58,843	62,222	22,495	-	50,868	50,422	30,351	310,515	99%
LOSSES & OMISSIONS	-1,431	-1,830	-57	-1	-	655	3,605	3,314	4,255	1%
TOTAL NET USAGE	47,419	57,012	62,155	22,494	-	51,514	54,023	20,126	314,771	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	8,109	8,109	30%
NUCLEAR	-	-	-	-	-	-	-	18,714	18,714	70%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	26,823	26,823	
NET IMPORTS OF REGION	47,419	57,012	62,155	22,494	-	51,534	54,028	-6,696	287,948	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 70.03%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
			[ALL UNITS IN 10**12 JOULES]							

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	26,484	15,665	-	7,299	-	26,179	609	10,176	36,415	41%
INDUSTRIAL	4,642	7,696	3,071	3,610	-	9,227	3,751	9,285	47,285	22%
TRANSPORTATION	2,177	934	40,243	1,210	-	172	-	420	45,160	21%
MISCELLANEOUS USES	257	1,006	-	143	-	979	-	875	3,262	2%

TOTAL FINAL DEMAND SECTORS	33,561	25,303	43,315	12,264	-	36,559	10,361	20,758	182,123	86%

TRANSFORMATION										
ELECTRICITY GEN.	12	2,147	-	-	-	27	32,329	-9,636	24,880	12%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	12	2,147	-	-	-	27	32,329	-9,636	24,880	12%

TOTAL GROSS FLOWS	33,574	27,451	43,315	12,264	-	36,586	42,690	20,758	207,004	98%
LOSSES & OMISSIONS	-983	-853	-46	-0	-	478	3,052	2,266	3,913	2%

TOTAL NET USAGE	32,590	26,597	43,263	12,263	-	37,065	45,743	13,388	210,917	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	1,104	1,104	9%
NUCLEAR	-	-	-	-	-	-	-	10,905	10,905	91%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	12,009	12,009	

NET IMPORTS OF REGION	32,590	26,597	43,263	12,263	-	37,065	45,743	1,378	198,907	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 72.08%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE (ALL UNITS IN 10**12 JOULES)	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	44,724	26,148	-	12,457	-	45,328	1,273	17,688	147,621	33%
INDUSTRIAL	8,739	14,034	3,993	11,015	-	22,369	53,119	23,023	135,293	30%
TRANSPORTATION	6,197	2,063	69,190	2,542	-	578	-	1,936	82,449	18%
MISCELLANEOUS USES	512	1,907	-	272	-	1,862	-	1,622	6,176	1%

TOTAL FINAL DEMAND SECTORS	60,174	44,152	73,184	26,286	-	70,079	54,392	44,270	372,541	83%

TRANSFORMATION										
ELECTRICITY GEN.	4	-	-	-	-	-	90,205	-28,099	52,109	14%
PETROLEUM PRODUCTS	-55,381	-33,713	-87,353	-56,238	230,182	1,133	-	-	-1,400	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-55,376	-33,713	-87,353	-56,238	230,182	1,133	90,205	-28,099	60,708	14%

TOTAL GROSS FLOWS	60,178	44,152	73,184	26,286	230,182	71,183	144,593	44,270	434,651	97%
LOSSES & OMISSIONS	-1,763	-1,373	-78	-1	998	931	10,340	4,833	13,887	3%

TOTAL NET USAGE	3,033	9,066	-14,248	-29,953	231,180	72,114	154,933	21,005	447,137	

SUPPLY OF ENERGY										
POSSIL FUEL	-	-	-	-	14,505	5,809	-	-	20,315	19%
HYDROELECTRIC	-	-	-	-	-	-	-	88,923	88,923	81%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	14,505	5,809	-	88,923	109,239	

NET IMPORTS OF REGION	3,033	9,066	-14,248	-29,953	216,675	66,305	154,933	-67,918	337,898	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=63.35%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-0.61%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	8,079	2,056	-	3,185	-	15,845	1,920	6,530	37,618	24%
INDUSTRIAL	4,708	4,692	1,485	7,873	-	13,968	36,485	5,588	74,802	48%
TRANSPORTATION	3,037	458	21,659	718	-	495	-	301	26,672	17%
MISCELLANEOUS USES	189	323	-	60	-	508	-	83	1,165	1%
TOTAL FINAL DEMAND SECTORS	16,016	7,532	23,144	11,836	-	30,819	38,406	12,503	140,258	91%
TRANSFORMATION										
ELECTRICITY GEN.	605	-	-	-	-	-	17,950	-4,116	14,439	9%
PETROLEUM PRODUCTS	-30,029	-18,282	-55,719	-21,449	119,288	586	-	-	-5,506	-3%
NATURAL GAS	-	-	-	-80	-	86	-	-	6	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-29,423	-18,282	-55,719	-21,529	119,288	572	17,950	-4,116	8,839	6%
TOTAL GROSS FLOWS	16,621	7,532	23,144	11,836	119,288	31,492	56,356	12,503	154,704	100%
LOSSES & OMISSIONS	-487	-234	-24	-0	517	412	4,030	1,365	5,578	4%
TOTAL NET USAGE	-13,894	-10,984	-32,600	-9,693	119,805	31,904	60,387	9,751	154,676	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	7,612	12,705	12,711	-	33,028	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. ESOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	7,612	12,705	12,711	-	33,028	
NET IMPORTS OF REGION	-13,894	-10,984	-32,600	-9,693	112,193	19,199	47,675	9,751	121,647	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=77.91%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-4.68%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.32%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	7,534	1,977	-	2,932	-	14,715	1,768	6,113	35,042	23%
INDUSTRIAL	4,098	3,690	1,564	2,743	-	8,417	22,297	4,475	47,287	32%
TRANSPORTATION	2,878	576	20,293	949	-	572	-	223	25,494	17%
MISCELLANEOUS USES	185	372	-	55	-	475	-	77	1,167	1%
TOTAL FINAL DEMAND SECTORS	14,697	6,617	21,857	6,681	-	24,182	24,066	10,889	108,992	73%
TRANSFORMATION										
ELECTRICITY GEN.	310	416	-	-	-	58	49,124	-15,009	34,899	23%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-120	-	129	-	-	9	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	310	416	-	-120	-	187	49,124	-15,009	34,908	23%
TOTAL GROSS FLOWS	15,007	7,034	21,857	6,681	-	24,370	73,190	10,889	143,900	96%
LOSSES & OMISSIONS	-439	-218	-23	-0	-	315	5,233	1,189	6,059	4%
TOTAL NET USAGE	14,567	6,815	21,833	6,560	-	24,685	78,424	-2,930	149,960	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	164	16,135	376,710	-	393,010	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	164	16,135	376,710	-	393,010	
NET IMPORTS OF REGION	14,567	5,815	21,833	6,560	-164	8,553	-298,285	-2,930	-243,050	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 69.93%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.32%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
	(ALL UNITS IN 10**12 JOULES)									

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	19,399	9,421	-	5,394	-	20,273	919	7,791	52,200	37%
INDUSTRIAL	3,902	4,367	3,143	3,191	-	6,924	12,022	6,286	39,839	24%
TRANSPORTATION	2,768	642	31,417	570	-	253	-	674	36,326	22%
MISCELLANEOUS USES	162	710	-	111	-	800	-	617	2,402	1%

TOTAL FINAL DEMAND SECTORS	25,233	15,142	34,560	9,268	-	28,251	12,942	15,369	140,769	85%

TRANSFORMATION										
ELECTRICITY GEN.	-	58	-	-	-	457	27,008	-5,783	21,740	13%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-	58	-	-	-	457	27,008	-5,783	21,740	13%

TOTAL GROSS FLOWS	25,233	15,200	34,560	9,268	-	28,709	39,950	15,369	162,509	96%
LOSSES & OMISSIONS	-739	-472	-37	-0	-	375	2,856	1,678	3,660	2%

TOTAL NET USAGE	24,494	14,727	34,523	9,267	-	29,085	42,807	11,264	166,170	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	167	2,783	14,345	-	17,296	100%
HYDROELECTRIC	-	-	-	-	-	-	-	23	23	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	167	2,783	14,345	23	17,319	

NET IMPORTS OF REGION	24,494	14,727	34,523	9,267	-167	25,301	28,462	11,240	148,850	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 73.99%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	12,207	3,127	-	4,797	-	23,915	2,894	9,872	56,814	37%
INDUSTRIAL	4,788	4,398	2,535	2,947	-	9,373	13,107	5,334	42,986	28%
TRANSPORTATION	4,440	912	32,893	1,502	-	902	-	297	40,949	27%
MISCELLANEOUS USES	449	771	-	140	-	1,206	-	196	2,763	2%
TOTAL FINAL DEMAND SECTORS	21,886	9,709	35,429	9,386	-	35,399	15,002	15,700	143,513	94%
TRANSFORMATION										
ELECTRICITY GEN.	212	-	-	-	-	-	6,923	-1,171	5,963	4%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	212	-	-	-	-	-	6,923	-1,171	5,963	4%
TOTAL GROSS FLOWS	22,098	9,709	35,429	9,386	-	35,399	22,926	15,700	149,477	98%
LOSSES & OMISSIONS	-647	-301	-38	-0	-	463	1,639	1,714	2,828	2%
TOTAL NET USAGE	21,450	9,407	35,391	9,386	-	35,862	24,565	16,243	152,306	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	371	371	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	371	371	
NET IMPORTS OF REGION	21,450	9,407	35,391	9,386	-	35,862	24,565	15,871	151,935	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=83.58%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	512,107	269,806	-	122,635	-	477,188	9,312	207,953	1,599,003	40%
INDUSTRIAL	88,548	121,514	34,255	142,320	-	99,843	67,552	109,236	563,271	17%
TRANSPORTATION	99,891	68,818	824,513	110,630	-	10,283	-	11,828	1,115,965	28%
MISCELLANEOUS USES	13,733	27,952	-	3,973	-	22,349	-	18,134	86,142	2%
TOTAL FINAL DEMAND SECTORS	714,280	488,091	858,768	359,560	-	509,564	75,865	347,152	3,464,383	87%
TRANSFORMATION										
ELECTRICITY GEN.	40,296	689,893	-	236	-	22,090	14,947	-236,675	530,788	13%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	40,296	689,893	-	236	-	22,090	14,947	-236,675	530,788	13%
TOTAL GROSS FLOWS	754,576	1,177,984	853,758	369,796	-	631,755	91,812	347,152	3,995,171	100%
LOSSES & OMISSIONS	-22,112	-36,638	-926	-21	-	8,269	6,565	37,905	-6,957	0%
TOTAL NET USAGE	732,464	1,141,346	857,842	369,775	-	640,024	98,378	148,381	3,988,213	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	1,989	1,989	10%
NUCLEAR	-	-	-	-	-	-	-	17,599	17,599	90%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	19,588	19,588	
NET IMPORTS OF REGION	732,464	1,141,346	857,842	369,775	-	640,024	98,378	128,793	3,968,625	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 69.16%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
(ALL UNITS IN 10**12 JOULES)									
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	167,387	44,412	-	51,082	-	240,790	21,262	107,844	532,780 29%
INDUSTRIAL	63,541	85,573	22,417	159,740	-	129,225	247,533	72,052	780,085 35%
TRANSPORTATION	57,215	22,564	371,634	70,325	-	13,283	-	3,711	538,734 24%
MISCELLANEOUS USES	9,356	20,726	-	2,014	-	12,660	-	2,115	46,874 2%
TOTAL FINAL DEMAND SECTORS	297,499	173,277	394,051	283,163	-	395,953	268,796	185,724	1,998,474 90%
TRANSFORMATION									
ELECTRICITY GEN.	16,079	138,563	-	8,746	-	2,272	156,770	-96,099	225,332 10%
PETROLEUM PRODUCTS	-477,867	-290,934	-901,636	-369,246	1,975,148	9,324	-	-	-55,212 -1%
NATURAL GAS	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-461,787	-152,371	-901,636	-360,499	1,975,148	11,596	156,770	-96,099	171,120 8%
TOTAL GROSS FLOWS	313,579	311,840	394,051	291,910	1,975,148	407,556	425,567	185,724	2,224,806 100%
LOSSES & OMISSIONS	-9,189	-9,699	-425	-16	8,567	5,334	30,433	20,279	45,284 2%
TOTAL NET USAGE	-173,477	11,207	-508,010	-77,352	1,983,715	412,891	456,000	109,904	2,214,878
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	11,334	11,334 100%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	11,334	11,334
NET IMPORTS OF REGION	-173,477	11,207	-503,010	-77,352	1,983,715	412,891	456,000	98,569	2,203,543

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=70.20%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-2.78%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	31,581	8,432	-	12,201	-	61,526	7,355	25,678	146,775	22%
INDUSTRIAL	15,816	16,308	7,996	11,438	-	33,611	76,867	17,613	190,251	27%
TRANSPORTATION	15,758	2,401	85,815	5,008	-	2,597	-	1,490	113,072	17%
MISCELLANEOUS USES	1,494	3,775	-	420	-	3,537	-	574	9,803	1%
TOTAL FINAL DEMAND SECTORS	64,651	31,517	93,811	29,069	-	101,273	84,222	45,356	449,902	67%
TRANSFORMATION										
ELECTRICITY GEN.	1,787	2,723	-	-	-	62	268,422	-79,038	193,957	29%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	1,787	2,723	-	-	-	62	268,422	-79,038	193,957	29%
TOTAL GROSS FLOWS	66,439	34,240	93,811	29,069	-	101,335	352,644	45,356	643,859	96%
LOSSES & OMISSIONS	-1,946	-1,064	-1011	-1	-	1,326	25,218	4,952	28,382	4%
TOTAL NET USAGE	64,492	33,175	93,710	29,067	-	102,662	377,862	-28,729	672,242	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	1,775	-	1,775	3%
HYDROELECTRIC	-	-	-	-	-	-	-	7,715	7,715	12%
NUCLEAR	-	-	-	-	-	-	-	57,146	57,146	86%
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	1,775	64,862	66,637	
NET IMPORTS OF REGION	64,492	33,175	93,710	29,067	-	102,662	376,087	-93,592	605,604	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 71.05%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	47,494	12,169	-	21,590	-	65,585	298	47,576	194,714	24%
INDUSTRIAL	23,407	30,575	23,588	15,075	-	30,977	112,084	23,053	258,761	32%
TRANSPORTATION	25,146	11,446	158,662	42,069	-	1,467	-	1,884	240,677	30%
MISCELLANEOUS USES	2,165	4,980	-	1,356	-	4,108	-	593	13,205	2%

TOTAL FINAL DEMAND SECTORS	98,213	59,172	182,251	80,091	-	102,133	112,382	73,109	707,358	88%

TRANSFORMATION										
ELECTRICITY GEN.	2,760	73,077	-	-	-	360	46,824	-37,039	85,984	11%
PETROLEUM PRODUCTS	-13,216	-8,043	-	-33,986	54,967	247	-	-	-31	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-10,456	65,033	-	-33,986	54,967	508	46,824	-37,039	85,952	11%

TOTAL GROSS FLOWS	100,973	132,249	182,251	80,091	54,967	102,746	159,207	73,109	793,342	98%
LOSSES & OMISSIONS	-2,958	-4,113	-136	-4	238	1,344	11,385	7,982	13,677	2%

TOTAL NET USAGE	84,798	120,092	182,054	46,100	55,206	104,091	170,592	44,052	806,989	

SUPPLY OF ENERGY										
POSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	8,190	8,190	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	8,190	8,190	

NET IMPORTS OF REGION	84,798	120,092	182,054	46,100	55,206	104,091	170,592	35,862	798,798	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.99%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-0.06%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	48,354	35,773	-	25,208	-	74,425	1,758	63,475	248,995	30%
INDUSTRIAL	9,709	4,249	15,136	5,187	-	5,281	4,980	4,976	49,521	6%
TRANSPORTATION	18,483	10,962	181,880	87,686	-	3,340	-	1,565	303,918	37%
MISCELLANEOUS USES	5,815	27,559	-	3,858	-	12,369	-	7,477	57,080	7%
TOTAL FINAL DEMAND SECTORS	82,361	78,545	197,016	121,941	-	95,417	6,739	77,495	659,516	80%
TRANSFORMATION										
ELECTRICITY GEN.	3,061	109,532	-	-	-	41	109,180	-69,306	152,508	19%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	3,061	109,532	-	-	-	41	109,180	-69,306	152,508	19%
TOTAL GROSS FLOWS	85,422	188,078	197,016	121,941	-	95,458	115,919	77,495	812,024	99%
LOSSES & OMISSIONS	-2,503	-5,849	-212	-7	-	1,249	8,289	8,461	9,428	1%
TOTAL NET USAGE	82,919	182,228	195,803	121,934	-	95,707	124,208	16,650	821,452	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	3	3	0%
NUCLEAR	-	-	-	-	-	-	-	15,790	15,790	100%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	15,793	15,793	
NET IMPORTS OF REGION	82,919	182,228	195,803	121,934	-	96,707	124,208	856	805,659	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=68.75%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	4,072	533	-	3,569	-	9,577	655	6,770	25,179	15%
INDUSTRIAL	4,209	4,895	2,025	3,793	-	6,848	7,707	4,132	33,612	20%
TRANSPORTATION	3,818	422	27,566	3,236	-	1,136	-	133	36,313	22%
MISCELLANEOUS USES	97	75	-	64	-	429	-	227	894	1%
TOTAL FINAL DEMAND SECTORS	12,197	5,927	29,591	10,662	-	17,991	8,362	11,265	95,999	57%
TRANSFORMATION										
ELECTRICITY GEN.	-	2,635	-	82	-	-	85,134	-23,003	54,850	39%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-	2,635	-	82	-	-	85,134	-23,003	64,850	39%
TOTAL GROSS FLOWS	12,197	8,563	29,591	10,745	-	17,991	93,497	11,265	160,849	96%
LOSSES & OMISSIONS	-357	-266	-31	-0	-	235	6,686	1,230	7,495	4%
TOTAL NET USAGE	11,840	8,297	29,559	10,744	-	18,227	100,183	-10,507	168,344	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	50,883	-	50,883	100%
HYDROELECTRIC	-	-	-	-	-	-	-	157	157	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	50,883	157	51,040	
NET IMPORTS OF REGION	11,840	8,297	29,559	10,744	-	18,227	49,303	-10,664	117,304	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 73.82%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
<small>(ALL UNITS IN 10**12 JOULES)</small>										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	10,136	990	-	7,961	-	12,597	1,048	15,095	47,829	21%
INDUSTRIAL	11,140	17,025	2,313	3,129	-	12,113	22,084	11,624	86,031	39%
TRANSPORTATION	9,996	1,453	54,596	3,485	-	552	-	445	70,529	32%
MISCELLANEOUS USES	56	156	-	109	-	419	-	498	1,241	1%
TOTAL FINAL DEMAND SECTORS	31,330	19,625	57,509	20,685	-	25,683	23,132	27,664	205,632	92%
TRANSFORMATION										
ELECTRICITY GEN.	863	84	-	-	-	330	17,234	-5,487	13,025	6%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	863	84	-	-	-	330	17,234	-5,487	13,025	6%
TOTAL GROSS FLOWS	32,194	19,709	57,509	20,685	-	26,013	40,367	27,664	218,657	98%
LOSSES & OMISSIONS	-943	-613	-52	-1	-	340	2,886	3,020	4,628	2%
TOTAL NET USAGE	31,251	19,096	57,447	20,684	-	26,353	43,253	25,197	223,285	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	1,893	1,893	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	1,893	1,893	
NET IMPORTS OF REGION	31,251	19,096	57,447	20,684	-	26,353	43,253	23,304	221,392	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 73.36%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL		
			(ALL UNITS IN 10**12 JOULES)								
FINAL DEMAND SECTORS											
RESIDENTIAL, COMM.	12,555	4,502	-	9,591	-	16,147	1,269	19,642	50,708	20%	
INDUSTRIAL	11,091	19,530	3,728	9,987	-	10,535	23,775	8,821	37,470	29%	
TRANSPORTATION	9,673	2,364	67,665	7,802	-	747	-	434	88,688	29%	
MISCELLANEOUS USES	505	2,389	-	413	-	1,367	-	1,860	6,535	2%	
TOTAL FINAL DEMAND SECTORS	33,825	25,786	71,394	27,795	-	28,793	25,045	30,758	243,403	80%	
TRANSFORMATION											
ELECTRICITY GEN.	735	54,763	-	-	-	-	25,752	-23,899	57,351	19%	
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	-	
SYN-GAS	-	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION	735	54,763	-	-	-	-	25,752	-23,899	57,351	19%	
TOTAL GROSS FLOWS	34,560	80,549	71,394	27,795	-	28,758	50,798	30,758	300,754	99%	
LOSSES & OMISSIONS	-1,012	-2,505	-77	-1	-	376	3,632	3,358	3,771	1%	
TOTAL NET USAGE	33,547	78,044	71,317	27,793	-	29,175	54,430	10,217	304,526		
SUPPLY OF ENERGY											
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	2,445	2,445	100%	
NUCLEAR	-	-	-	-	-	-	-	-	-	-	
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	-	2,445	2,445		
NET IMPORTS OF REGION	33,547	78,044	71,317	27,793	-	29,175	54,430	7,772	302,081		

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 70.59%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	14,718	1,460	-	12,072	-	18,050	1,549	22,393	70,245	21%
INDUSTRIAL	5,699	10,050	3,356	9,113	-	3,904	7,427	5,380	44,932	14%
TRANSPORTATION	10,400	4,661	80,983	30,288	-	1,370	-	491	128,195	39%
MISCELLANEOUS USES	3,459	18,031	-	1,391	-	3,353	-	6,011	32,247	10%
TOTAL FINAL DEMAND SECTORS	34,277	34,203	34,339	52,865	-	26,579	8,977	34,276	275,620	83%
TRANSFORMATION										
ELECTRICITY GEN.	1,300	77,287	-	-	-	164	595	-24,419	54,928	17%
PETROLEUM PRODUCTS	-23,286	-14,184	-49,604	-14,423	101,012	460	-	-	-25	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-21,986	63,102	-49,604	-14,423	101,012	625	595	-24,419	54,903	17%
TOTAL GROSS FLOWS	35,578	111,491	84,339	52,865	101,012	27,304	9,573	34,276	330,548	100%
LOSSES & OMISSIONS	-1,042	-3,467	-9	-3	438	357	684	3,742	618	0%
TOTAL NET USAGE	11,248	93,838	84,344	38,439	101,450	27,661	10,257	13,599	331,141	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	15	15	0%
NUCLEAR	-	-	-	-	-	-	-	32,288	32,288	100%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	32,304	32,304	
NET IMPORTS OF REGION	11,248	93,838	84,644	38,439	101,450	27,661	10,257	-18,704	298,837	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.22%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-0.02%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	15,811	1,829	-	21,985	-	14,135	2,118	32,297	88,176	20%
INDUSTRIAL	15,616	15,775	7,595	13,114	-	12,650	9,825	15,484	90,101	20%
TRANSPORTATION	12,065	322	109,301	13,727	-	1,106	-	396	136,920	31%
MISCELLANEOUS USES	1,671	497	-	797	-	1,787	-	2,082	6,817	2%

TOTAL FINAL DEMAND SECTORS	45,165	18,425	116,897	49,624	-	29,699	11,943	50,261	322,016	73%

TRANSFORMATION										
ELECTRICITY GEN.	524	585	-	-	-	108	153,157	-50,303	104,072	24%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	524	585	-	-	-	108	153,157	-50,303	104,072	24%

TOTAL GROSS FLOWS	45,689	19,010	116,897	49,624	-	29,808	165,101	50,261	426,089	96%
LOSSES & OMISSIONS	-1,338	-591	-126	-2	-	390	11,805	5,488	15,625	4%

TOTAL NET USAGE	44,350	18,419	116,770	49,621	-	30,198	176,903	5,445	441,714	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	5,132	5,132	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	5,132	5,132	

NET IMPORTS OF REGION	44,350	18,419	116,770	49,621	-	30,198	176,908	313	436,582	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 67.42%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	4,155	419	-	6,546	-	3,900	632	8,962	24,617	20%
INDUSTRIAL	5,167	6,546	2,146	4,745	-	3,674	3,425	4,075	29,782	24%
TRANSPORTATION	4,965	214	36,670	10,416	-	733	-	154	50,553	41%
MISCELLANEOUS USES	1,056	340	-	526	-	989	-	1,288	4,202	3%
TOTAL FINAL DEMAND SECTORS	15,346	7,520	36,216	22,234	-	9,298	4,058	14,481	109,155	69%
TRANSFORMATION										
ELECTRICITY GEN.	25	421	-	-	-	-	14,660	-4,313	10,794	9%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	25	421	-	-	-	-	14,660	-4,313	10,794	9%
TOTAL GROSS FLOWS	15,371	7,942	36,216	22,234	-	9,298	18,719	14,481	119,950	98%
LOSSES & OMISSIONS	-450	-247	-39	-1	-	121	1,338	1,581	2,303	2%
TOTAL NET USAGE	14,921	7,695	36,177	22,232	-	9,419	20,058	11,749	122,254	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	5,125	5,125	100%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	5,125	5,125	
NET IMPORTS OF REGION	14,921	7,695	36,177	22,232	-	9,419	20,058	6,624	117,129	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 71.45%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	10,816	1,206	-	14,939	-	9,875	1,454	21,852	50,148	20%
INDUSTRIAL	11,504	16,212	4,141	8,464	-	15,496	10,715	21,004	97,538	29%
TRANSPORTATION	10,292	339	72,391	7,154	-	990	-	489	91,658	31%
MISCELLANEOUS USES	324	75	-	138	-	465	-	440	1,445	0%
TOTAL FINAL DEMAND SECTORS	32,939	17,834	76,533	30,696	-	26,830	12,170	43,786	240,791	81%
TRANSFORMATION										
ELECTRICITY GEN.	16	-	-	-	-	-	73,749	-25,691	48,074	16%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	16	-	-	-	-	-	73,749	-25,691	48,074	16%
TOTAL GROSS FLOWS	32,956	17,834	76,533	30,696	-	26,830	85,919	43,786	238,866	97%
LOSSES & OMISSIONS	-965	-554	-32	-1	-	351	6,144	4,781	9,671	3%
TOTAL NET USAGE	31,990	17,279	76,450	30,694	-	27,182	92,063	22,876	298,537	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	2,269	2,269	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	2,269	2,269	
NET IMPORTS OF REGION	31,990	17,279	76,450	30,694	-	27,182	92,063	20,606	296,268	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 65.17%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
[ALL UNITS IN 10**12 JOULES]										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	13,949	1,604	-	19,508	-	13,528	1,977	29,631	80,200	18%
INDUSTRIAL	15,910	29,069	4,982	13,894	-	25,990	17,326	33,070	140,243	32%
TRANSPORTATION	17,479	601	96,574	12,778	-	1,591	-	802	129,928	29%
MISCELLANEOUS USES	377	86	-	168	-	735	-	530	1,898	0%
TOTAL FINAL DEMAND SECTORS	47,717	31,361	101,557	46,351	-	41,946	19,303	64,034	352,271	80%
TRANSFORMATION										
ELECTRICITY GEN.	284	-	-	-	-	-	110,655	-35,028	75,911	17%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	284	-	-	-	-	-	110,655	-35,028	75,911	17%
TOTAL GROSS FLOWS	48,001	31,361	101,557	46,351	-	41,946	129,959	64,034	428,183	97%
LOSSES & OMISSIONS	-1,406	-975	-109	-2	-	549	9,293	6,991	14,340	3%
TOTAL NET USAGE	46,595	30,385	101,447	46,348	-	42,495	139,253	35,997	442,523	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	11,238	11,238	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	11,238	11,238	
NET IMPORTS OF REGION	46,595	30,385	101,447	46,348	-	42,495	139,253	24,758	431,284	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 63.43%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0%
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS:										
RESIDENTIAL, COMM.	3,527	378	-	5,275	-	3,245	509	7,446	20,382	10%
INDUSTRIAL	4,564	10,444	1,797	3,713	-	5,311	7,425	6,369	39,627	20%
TRANSPORTATION	3,701	95	25,825	2,562	-	328	-	117	32,630	17%
MISCELLANEOUS USES	150	33	-	62	-	214	-	199	660	0%
TOTAL FINAL DEMAND SECTORS	11,943	10,953	27,623	11,613	-	9,099	7,935	14,133	93,301	48%
TRANSFORMATION										
ELECTRICITY GEN.	-	263	-	-	-	-	136,704	-46,221	90,746	46%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-	263	-	-	-	-	136,704	-46,221	90,746	46%
TOTAL GROSS FLOWS	11,943	11,216	27,623	11,613	-	9,099	144,639	14,133	184,047	94%
LOSSES & OMISSIONS	-349	-348	-29	-0	-	119	10,343	1,543	11,276	6%
TOTAL NET USAGE	11,593	10,867	27,593	11,612	-	9,218	154,982	-30,544	195,324	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	9,379	9,379	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	9,379	9,379	
NET IMPORTS OF REGION	11,593	10,867	27,593	11,612	-	9,218	154,982	-39,924	185,944	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=66.25%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	4,530	347	-	8,741	-	10,301	1,352	16,345	41,617	18%
INDUSTRIAL	6,373	12,456	4,497	8,715	-	31,566	15,273	22,003	100,886	43%
TRANSPORTATION	6,527	618	58,562	9,099	-	947	-	289	76,043	33%
MISCELLANEOUS USES	53	22	-	87	-	1,130	-	249	1,544	1%
TOTAL FINAL DEMAND SECTORS	17,484	13,443	53,060	26,644	-	43,946	16,625	38,887	220,091	94%
TRANSFORMATION										
ELECTRICITY GEN.	10	-	-	-	-	-	11,170	-3,351	7,829	3%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	10	-	-	-	-	-	11,170	-3,351	7,829	3%
TOTAL GROSS FLOWS	17,494	13,443	53,050	26,644	-	43,946	27,796	38,887	227,920	98%
LOSSES & OMISSIONS	-512	-418	-58	-1	-	575	1,987	4,246	5,808	2%
TOTAL NET USAGE	16,982	13,025	52,992	25,642	-	44,521	29,783	39,782	233,729	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	3,240	3,240	6%
NUCLEAR	-	-	-	-	-	-	-	55,043	55,043	94%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	58,283	58,283	
NET IMPORTS OF REGION	16,982	13,025	52,992	25,642	-	44,521	29,783	-18,501	175,445	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 70.03%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
			(ALL UNITS IN 10**12 JOULES)							
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	3,460	280	-	6,616	-	8,101	1,027	12,725	32,212	17%
INDUSTRIAL	4,586	4,442	3,546	4,990	-	13,195	8,307	8,337	47,405	26%
TRANSPORTATION	4,128	445	45,365	9,160	-	649	-	161	59,911	33%
MISCELLANEOUS USES	529	220	-	409	-	2,690	-	1,003	4,853	3%
TOTAL FINAL DEMAND SECTORS	12,705	5,388	48,912	21,177	-	24,537	9,334	22,226	144,383	78%
TRANSFORMATION										
ELECTRICITY GEN.	265	326	-	-	-	6,879	43,056	-16,805	33,724	18%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	265	326	-	-	-	6,879	43,056	-16,805	33,724	18%
TOTAL GROSS FLOWS	12,970	5,715	48,912	21,177	-	31,517	52,391	22,226	178,107	97%
LOSSES & OMISSIONS	-380	-177	-52	-1	-	412	3,746	2,426	5,974	3%
TOTAL NET USAGE	12,590	5,538	48,859	21,175	-	31,929	56,138	7,848	184,081	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	5,978	5,978	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	5,978	5,978	
NET IMPORTS OF REGION	12,590	5,538	48,859	21,175	-	31,929	56,138	1,869	178,102	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=66.74%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,159	147	-	4,249	-	4,855	664	7,738	19,814	15%
INDUSTRIAL	3,857	12,802	2,565	3,098	-	11,798	4,017	8,333	46,474	35%
TRANSPORTATION	2,960	329	30,191	5,029	-	484	-	127	39,122	30%
MISCELLANEOUS USES	60	24	-	66	-	698	-	181	1,030	1%

TOTAL FINAL DEMAND SECTORS	9,037	13,303	32,756	12,444	-	17,836	4,682	16,381	106,441	81%

TRANSFORMATION										
ELECTRICITY GEN.	400	106	-	-	-	2,206	28,238	-9,726	21,225	16%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	400	106	-	-	-	2,206	28,238	-9,726	21,225	16%

TOTAL GROSS FLOWS	9,438	13,409	32,756	12,444	-	20,043	32,920	16,381	127,667	97%
LOSSES & OMISSIONS	-276	-417	-35	-0	-	262	2,354	1,788	3,675	3%

TOTAL NET USAGE	9,161	12,992	32,721	12,443	-	20,305	35,274	8,443	131,343	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	15,014	15,014	100%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	15,014	15,014	

NET IMPORTS OF REGION	9,161	12,992	32,721	12,443	-	20,305	35,274	-6,570	116,329	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 63.58%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,369	174	-	4,615	-	5,398	720	8,562	21,840	16%
INDUSTRIAL	1,698	3,523	1,918	1,147	-	5,432	1,818	2,976	18,514	13%
TRANSPORTATION	3,452	713	31,661	13,864	-	965	-	151	50,808	37%
MISCELLANEOUS USES	661	276	-	485	-	2,873	-	1,169	5,465	4%

TOTAL FINAL DEMAND SECTORS	8,181	4,686	33,580	20,112	-	14,669	2,538	12,861	96,630	70%

TRANSFORMATION										
ELECTRICITY GEN.	37	28,738	-	-	-	3,922	24,226	-18,625	38,299	28%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	37	28,738	-	-	-	3,922	24,226	-18,625	38,299	28%

TOTAL GROSS FLOWS	8,218	33,424	33,580	20,112	-	18,591	26,765	12,861	134,929	98%
LOSSES & OMISSIONS	-240	-1,039	-36	-1	-	243	1,914	1,404	2,243	2%

TOTAL NET USAGE	7,978	32,384	33,544	20,111	-	18,835	28,679	-4,360	137,173	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	3,222	3,222	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	3,222	3,222	

NET IMPORTS OF REGION	7,978	32,384	33,544	20,111	-	18,835	28,679	-7,582	133,951	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=67.28%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	1,473	444	-	4,231	-	9,252	321	8,468	24,192	19%
INDUSTRIAL	4,977	5,376	2,148	4,554	-	14,601	5,656	7,548	45,064	36%
TRANSPORTATION	3,037	194	31,364	3,659	-	68	-	124	38,748	31%
MISCELLANEOUS USES	221	149	-	295	-	1,313	-	187	2,167	2%

TOTAL FINAL DEMAND SECTORS	9,710	6,164	33,513	12,740	-	25,736	5,978	16,329	110,172	89%

TRANSFORMATION										
ELECTRICITY GEN.	2,033	5	-	-	-	2,724	11,488	-4,975	11,276	9%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	2,033	5	-	-	-	2,724	11,488	-4,975	11,276	9%

TOTAL GROSS FLOWS	11,744	6,169	33,513	12,740	-	28,460	17,467	16,329	121,449	98%
LOSSES & OMISSIONS	-344	-191	-36	-0	-	372	1,249	1,782	2,831	2%

TOTAL NET USAGE	11,399	5,977	33,476	12,740	-	28,833	18,716	13,136	124,281	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	328	328	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	328	328	

NET IMPORTS OF REGION	11,399	5,977	33,476	12,740	-	23,833	18,716	12,808	123,953	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=59.39%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	916	553	-	3,680	-	10,505	95	7,831	23,584	20%
INDUSTRIAL	5,966	4,791	2,333	3,421	-	10,455	1,810	4,072	32,851	28%
TRANSPORTATION	4,820	277	30,341	4,194	-	647	-	218	40,500	35%
MISCELLANEOUS USES	130	106	-	185	-	791	-	114	1,329	1%

TOTAL FINAL DEMAND SECTORS	11,834	5,729	32,674	11,482	-	22,399	1,906	12,237	98,265	85%

TRANSFORMATION										
ELECTRICITY GEN.	210	13,049	-	-	-	10,747	-	-7,322	16,685	14%
PETROLEUM PRODUCTS	-5,933	-3,611	-11,005	-14,919	35,250	112	-	-	-106	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-5,722	9,438	-11,005	-14,919	35,250	10,860	-	-7,322	16,579	14%

TOTAL GROSS FLOWS	12,045	18,779	32,674	11,482	35,250	33,259	1,906	12,237	114,950	99%
LOSSES & OMISSIONS	-352	-584	-35	-0	152	435	136	1,336	1,087	1%

TOTAL NET USAGE	5,759	14,583	21,633	-3,437	35,403	33,695	2,042	6,251	115,932	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	11,131	11,131	100%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	11,131	11,131	

NET IMPORTS OF REGION	5,759	14,583	21,633	-3,437	35,403	33,695	2,042	-4,879	104,800	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.50%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-0.30%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	3,319	1,108	-	10,151	-	8,272	26	28,806	51,685 17%
INDUSTRIAL	9,957	25,767	2,321	4,015	-	15,949	1,585	7,054	67,151 23%
TRANSPORTATION	16,775	1,264	16,565	8,269	-	581	-	843	104,404 35%
MISCELLANEOUS USES	1,106	308	-	548	-	1,412	-	1,288	4,664 2%
TOTAL FINAL DEMAND SECTORS	31,158	28,448	79,490	22,985	-	26,215	1,611	37,993	227,905 77%
TRANSFORMATION									
ELECTRICITY GEN.	7,844	77,912	-	-	-	7,958	-	-28,244	65,471 22%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-25,451	-	27,493	-	-	2,042 1%
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	7,844	77,912	-	-25,451	-	35,451	-	-28,244	67,513 23%
TOTAL GROSS FLOWS	39,003	106,361	79,490	22,985	-	61,667	1,611	37,993	295,418 100%
LOSSES & OMISSIONS	-1,142	-3,308	-95	-1	-	807	115	4,148	532 0%
TOTAL NET USAGE	37,860	103,053	79,404	-2,467	-	62,475	1,726	13,898	295,951
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	-	-
NET IMPORTS OF REGION	37,860	103,053	79,404	-2,467	-	62,475	1,726	13,898	295,951

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=59.86%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
	(ALL UNITS IN 10**12 JOULES)								
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	3,149	953	-	9,495	-	4,967	-	27,613	46,179 19%
INDUSTRIAL	6,674	3,273	2,738	1,711	-	4,597	622	4,070	23,688 9%
TRANSPORTATION	8,242	1,112	70,912	5,277	-	323	-	451	86,319 34%
MISCELLANEOUS USES	696	195	-	387	-	1,078	-	1,034	3,391 1%
TOTAL FINAL DEMAND SECTORS	18,762	5,534	73,650	16,871	-	10,965	622	33,170	159,578 63%
TRANSFORMATION									
ELECTRICITY GEN.	304	96,489	-	4,242	-	34,825	-	-44,291	91,574 36%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	304	96,489	-	4,242	-	34,825	-	-44,291	91,574 36%
TOTAL GROSS FLOWS	19,067	102,024	73,650	21,113	-	45,795	622	33,170	251,152 100%
LOSSES & OMISSIONS	-558	-3,173	-79	-1	-	599	44	3,621	453 0%
TOTAL NET USAGE	18,508	98,851	73,570	21,112	-	46,394	666	-7,498	251,606
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	152	-	-	-	152 100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	152	-	-	-	152
NET IMPORTS OF REGION	18,508	98,851	73,570	21,112	-152	46,394	666	-7,498	251,453

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=67.40%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	8,918	2,732	-	35,305	-	13,811	-	75,480	126,248	21%
INDUSTRIAL	15,877	9,397	6,329	4,851	-	12,844	1,825	9,601	61,226	10%
TRANSPORTATION	26,401	9,456	194,330	26,346	-	2,352	-	2,382	261,770	44%
MISCELLANEOUS USES	1,016	298	-	637	-	1,909	-	1,765	5,627	1%
TOTAL FINAL DEMAND SECTORS	52,214	21,884	201,659	57,140	-	30,917	1,825	89,230	454,873	76%
TRANSFORMATION										
ELECTRICITY GEN.	2,890	117,563	-	4,019	-	80,560	-	-65,177	139,856	23%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	2,890	117,563	-	4,019	-	80,560	-	-65,177	139,856	23%
TOTAL GROSS FLOWS	55,104	139,448	201,659	61,160	-	111,477	1,825	89,230	594,730	99%
LOSSES & OMISSIONS	-1,614	-4,337	-217	-3	-	1,459	130	9,743	5,159	1%
TOTAL NET USAGE	53,490	135,111	201,442	61,156	-	112,936	1,956	33,796	599,890	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	26,026	376	-	-	26,402	47%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	30,129	30,129	53%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	26,026	376	-	30,129	56,531	
NET IMPORTS OF REGION	53,490	135,111	201,442	61,156	-26,026	112,560	1,956	3,667	543,358	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 68.21%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0%
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	6,119	1,836	-	19,198	-	9,772	-	54,906	91,833	17%
INDUSTRIAL	16,453	17,200	5,633	6,456	-	23,449	1,522	15,909	96,625	16%
TRANSPORTATION	17,802	1,744	143,109	6,107	-	544	-	840	170,149	31%
MISCELLANEOUS USES	613	184	-	402	-	1,239	-	1,132	3,573	1%
TOTAL FINAL DEMAND SECTORS	40,990	20,966	148,743	32,165	-	35,005	1,522	72,789	352,182	64%
TRANSFORMATION										
ELECTRICITY GEN.	13,494	158,206	-	1,276	-	14,586	96,131	-90,650	193,044	35%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	13,494	158,206	-	1,276	-	14,586	96,131	-90,650	193,044	35%
TOTAL GROSS FLOWS	54,484	179,172	148,743	33,441	-	49,592	97,653	72,789	545,226	99%
LOSSES & OMISSIONS	-1,596	-5,572	-150	-1	-	643	6,983	7,947	8,248	1%
TOTAL NET USAGE	52,887	173,599	148,583	33,439	-	50,241	104,636	-9,913	553,475	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	3,401	62	-	-	3,463	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	3,401	62	-	-	3,463	
NET IMPORTS OF REGION	52,887	173,599	148,583	33,439	-3,401	50,179	104,636	-9,913	550,011	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 69.05%
 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	1,085	328	-	3,287	-	1,712	-	9,538	15,952 17%
INDUSTRIAL	3,845	8,650	1,172	957	-	3,380	103	1,508	19,619 21%
TRANSPORTATION	4,024	286	25,295	1,402	-	82	-	111	31,203 33%
MISCELLANEOUS USES	282	86	-	197	-	624	-	562	1,753 2%
TOTAL FINAL DEMAND SECTORS	9,237	9,351	26,468	5,845	-	5,800	103	11,720	68,528 72%

TRANSFORMATION									
ELECTRICITY GEN.	347	8,369	-	20	-	1,915	24,135	-10,202	24,586 26%
PETROLEUM PRODUCTS	-2,531	-1,545	-	-4,112	8,162	49	-	-	22 0%
NATURAL GAS	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-2,184	6,824	-	-4,092	8,162	1,965	24,135	-10,202	24,608 26%
TOTAL GROSS FLOWS	9,584	17,721	25,468	5,865	8,162	7,765	24,239	11,720	93,136 98%
LOSSES & OMISSIONS	-280	-551	-28	-0	35	101	1,733	1,279	2,289 2%
TOTAL NET USAGE	6,772	15,625	25,439	1,752	8,197	7,867	25,972	2,798	95,425

SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	843	843 100%
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	843	843

NET IMPORTS OF REGION	6,772	15,625	26,439	1,752	8,197	7,867	25,972	1,954	94,582

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 70.67%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.27%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	995	263	-	3,820	-	2,264	3	9,387	16,735	11%
INDUSTRIAL	5,122	10,813	709	10,985	-	14,528	2,846	5,786	50,793	34%
TRANSPORTATION	3,441	1,143	26,030	6,995	-	380	-	220	38,212	26%
MISCELLANEOUS USES	1,042	257	-	422	-	880	-	977	3,581	2%
TOTAL FINAL DEMAND SECTORS	10,601	12,478	26,740	22,224	-	18,054	2,850	16,372	109,322	74%
TRANSFORMATION										
ELECTRICITY GEN.	16	501	-	-	-	11,911	34,356	-13,174	33,612	23%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-3,470	-	3,748	-	-	278	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	16	501	-	-3,470	-	15,560	34,356	-13,174	33,890	23%
TOTAL GROSS FLOWS	10,618	12,979	26,740	22,224	-	33,715	37,206	16,372	143,213	97%
LOSSES & OMISSIONS	-311	-403	-28	-1	-	441	2,660	1,787	4,144	3%
TOTAL NET USAGE	10,307	12,575	26,711	18,753	-	34,156	39,867	4,985	147,358	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	256,822	87,081	-	-	343,903	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	256,822	87,081	-	-	343,903	
NET IMPORTS OF REGION	10,307	12,575	26,711	18,753	-256,822	-52,921	39,867	4,985	-196,545	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 71.94%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,114	60	-	13,005	-	15,339	70	15,345	45,936	22%
INDUSTRIAL	3,778	2,804	3,282	5,483	-	12,975	8,231	5,940	42,496	20%
TRANSPORTATION	11,034	18,235	49,491	20,762	-	7,970	-	494	107,988	52%
MISCELLANEOUS USES	4,054	2,589	-	440	-	1,368	-	253	8,706	4%

TOTAL FINAL DEMAND SECTORS	20,982	23,689	52,773	39,693	-	37,653	8,302	22,033	205,127	98%

TRANSFORMATION										
ELECTRICITY GEN.	-	-	-	-	-	2,559	496	-801	2,255	1%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-	-	-	-	-	2,559	496	-801	2,255	1%

TOTAL GROSS FLOWS	20,982	23,689	52,773	39,693	-	40,213	8,799	22,033	207,382	99%
LOSSES & OMISSIONS	-614	-736	-56	-2	-	526	629	2,405	2,150	1%

TOTAL NET USAGE	20,367	22,952	52,716	39,690	-	40,739	9,428	23,637	209,533	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	8,448	8,448	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	8,448	8,448	

NET IMPORTS OF REGION	20,367	22,952	52,716	39,690	-	40,739	9,428	15,188	201,084	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 73.78%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	964	598	-	4,145	-	11,908	89	8,689	26,395	25%
INDUSTRIAL	5,534	2,043	3,241	3,209	-	9,013	1,354	4,010	28,406	26%
TRANSPORTATION	3,550	91	35,094	1,490	-	258	-	121	40,606	38%
MISCELLANEOUS USES	112	101	-	165	-	721	-	109	1,210	1%

TOTAL FINAL DEMAND SECTORS	10,161	2,834	38,335	9,011	-	21,901	1,444	12,930	96,619	90%

TRANSFORMATION										
ELECTRICITY GEN.	801	16	-	-	-	-	11,200	-3,369	8,650	8%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	801	16	-	-	-	-	11,200	-3,369	8,650	8%

TOTAL GROSS FLOWS	10,963	2,851	38,335	9,011	-	21,901	12,644	12,930	105,270	98%
LOSSES & OMISSIONS	-321	-38	-41	-0	-	286	904	1,411	2,151	2%

TOTAL NET USAGE	10,642	2,762	38,294	9,010	-	22,188	13,549	10,973	107,421	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	2,325	2,325	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	2,325	2,325	

NET IMPORTS OF REGION	10,642	2,762	38,294	9,010	-	22,188	13,549	8,647	105,095	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 71.97%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	OTHER GASOLINE CARBONS	HYDRO- CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)									
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	1,054	676	-	4,400	-	12,798	94	9,396	28,421 17%
INDUSTRIAL	5,745	2,556	2,294	2,487	-	11,259	1,614	4,837	30,795 19%
TRANSPORTATION	3,651	99	35,126	1,475	-	276	-	131	40,761 25%
MISCELLANEOUS USES	183	196	-	295	-	1,423	-	247	2,346 1%
TOTAL FINAL DEMAND SECTORS	10,635	3,528	37,421	8,658	-	25,759	1,709	14,613	102,326 62%
TRANSFORMATION									
ELECTRICITY GEN.	51	74	-	-	-	8,113	71,558	-23,613	56,184 34%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	51	74	-	-	-	8,113	71,558	-23,613	56,184 34%
TOTAL GROSS FLOWS	10,687	3,603	37,421	8,658	-	33,872	73,268	14,613	158,510 96%
LOSSES & OMISSIONS	-313	-112	-40	-0	-	443	5,239	1,595	6,812 4%
TOTAL NET USAGE	10,374	3,491	37,380	8,658	-	34,316	78,508	-7,404	165,323
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	1,951	1,951 100%
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	1,951	1,951
NET IMPORTS OF REGION	10,374	3,491	37,380	8,658	-	34,316	78,508	-9,356	163,372

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 70.41%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0%
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	1,124	430	-	5,652	-	11,420	74	9,284	27,986	28%
INDUSTRIAL	2,239	1,420	1,563	2,385	-	11,916	5,067	5,969	30,561	30%
TRANSPORTATION	3,273	682	30,781	2,630	-	440	-	121	37,929	37%
MISCELLANEOUS USES	435	275	-	401	-	1,440	-	177	2,730	3%
TOTAL FINAL DEMAND SECTORS	7,072	2,808	32,344	11,071	-	25,218	5,142	15,551	99,209	98%
TRANSFORMATION										
ELECTRICITY GEN.	-	-	-	-	-	-	-	-	-	-
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION										
	-	-	-	-	-	-	-	-	-	-
TOTAL GROSS FLOWS	7,072	2,808	32,344	11,071	-	25,218	5,142	15,551	99,209	98%
LOSSES & OMISSIONS	-207	-87	-34	-0	-	330	367	1,698	2,065	2%
TOTAL NET USAGE	6,865	2,721	32,309	11,070	-	25,548	5,509	17,250	101,274	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	4,219	4,219	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	4,219	4,219	
NET IMPORTS OF REGION										
	6,865	2,721	32,309	11,070	-	25,548	5,509	13,030	97,055	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 0.0 %
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISPERILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	6,256	4,547	-	22,476	-	69,315	473	52,536	155,605	20%
INDUSTRIAL	17,601	10,645	9,653	11,718	-	58,557	9,373	24,141	141,700	18%
TRANSPORTATION	30,305	2,216	177,500	28,539	-	5,366	-	1,861	245,790	32%
MISCELLANEOUS USES	403	457	-	665	-	3,326	-	602	5,456	1%
TOTAL FINAL DEMAND SECTORS	54,566	17,866	187,163	63,400	-	136,565	9,847	79,141	548,552	70%
TRANSFORMATION										
ELECTRICITY GEN.	779	6,868	-	-	-	24,648	257,111	-86,110	203,297	26%
PETROLEUM PRODUCTS	-2,281	-1,389	-4,232	-5,738	13,558	43	-	-	-40	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-1,502	5,479	-4,232	-5,738	13,558	24,591	257,111	-86,110	203,257	26%
TOTAL GROSS FLOWS	55,346	24,735	187,163	63,400	13,558	161,257	266,959	79,141	751,850	97%
LOSSES & OMISSIONS	-1,621	-769	-231	-3	58	2,110	19,090	8,641	27,305	4%
TOTAL NET USAGE	51,442	22,576	182,728	57,559	13,617	163,368	286,049	1,672	779,115	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	6,295	6,295	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	6,295	6,295	
NET IMPORTS OF REGION	51,442	22,576	182,728	57,659	13,617	163,368	286,049	-4,622	772,820	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 70.25%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= -0.29%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	6,420	165	-	34,025	-	38,705	143	39,344	118,805	14%
INDUSTRIAL	16,089	10,845	6,004	62,079	-	85,827	145,802	34,980	361,630	43%
TRANSPORTATION	24,173	10,845	112,058	12,013	-	8,801	-	853	168,745	20%
MISCELLANEOUS USES	1,527	760	-	432	-	2,340	-	486	5,547	1%

TOTAL FINAL DEMAND SECTORS	48,211	22,617	118,063	108,550	-	135,675	145,946	75,663	654,728	78%

TRANSFORMATION										
ELECTRICITY GEN.	439	-	-	-	-	239	219,221	-68,478	151,421	18%
PETROLEUM PRODUCTS	-14,022	-5,615	-2,762	-27,684	47,263	2,864	-	-	43	0%
NATURAL GAS	-	-	-	-1,976	-	2,134	-	-	158	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-13,582	-5,615	-2,762	-29,660	47,263	5,239	219,221	-68,478	151,623	18%

TOTAL GROSS FLOWS	48,651	22,617	118,063	108,550	47,263	140,914	365,167	75,663	806,351	96%
LOSSES & OMISSIONS	-1,425	-703	-127	-6	205	1,844	26,113	8,261	34,162	4%

TOTAL NET USAGE	33,203	16,297	115,173	78,883	47,468	142,758	391,280	15,447	840,513	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	432	5,614	584,876	-	590,923	98%
HYDROELECTRIC	-	-	-	-	-	-	-	11,797	11,797	2%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	432	5,614	584,876	11,797	602,721	

NET IMPORTS OF REGION	33,203	16,297	115,173	78,883	47,035	137,144	-193,595	3,649	237,792	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=68.86%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.09%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.41%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	4,821	36	-	30,274	-	39,964	1,593	43,038	119,730	22%
INDUSTRIAL	14,543	5,557	8,053	34,342	-	53,117	18,563	25,653	159,831	29%
TRANSPORTATION	25,156	854	115,251	23,601	-	14,752	-	950	180,566	32%
MISCELLANEOUS USES	1,402	755	-	482	-	3,563	-	1,093	7,297	1%
TOTAL FINAL DEMAND SECTORS	45,924	7,204	123,304	88,700	-	111,397	20,157	70,736	467,425	84%
TRANSFORMATION										
ELECTRICITY GEN.	2,731	18,460	-	-	-	16,218	43,194	-24,569	56,035	10%
PETROLEUM PRODUCTS	-17,431	-5,683	-40,199	-24,290	106,679	2,149	-	-	21,223	4%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-14,699	12,776	-40,199	-24,290	106,679	18,369	43,194	-24,569	77,258	14%
TOTAL GROSS FLOWS	48,656	25,664	123,304	88,700	106,679	129,765	63,351	70,736	544,684	98%
LOSSES & OMISSIONS	-1,425	-798	-133	-5	462	1,698	4,530	7,723	12,053	2%
TOTAL NET USAGE	29,799	19,182	82,972	64,404	107,141	131,464	67,881	53,891	556,737	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	-	-	-
NET IMPORTS OF REGION	29,799	19,182	82,972	64,404	107,141	131,464	67,881	53,891	556,737	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.52%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=19.50%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,208	52	-	12,389	-	14,860	197	15,939	45,656	14%
INDUSTRIAL	4,137	5,980	2,796	52,890	-	31,634	42,322	14,046	153,809	48%
TRANSPORTATION	5,977	3,911	44,972	5,749	-	2,890	-	218	63,719	20%
MISCELLANEOUS USES	1,146	607	-	348	-	1,390	-	364	3,857	1%
TOTAL FINAL DEMAND SECTORS	13,470	10,552	47,768	71,378	-	50,784	42,520	30,569	267,043	84%
TRANSFORMATION										
ELECTRICITY GEN.	2,448	-	-	-	-	-	57,325	-17,329	42,444	13%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	2,448	-	-	-	-	-	57,325	-17,329	42,444	13%
TOTAL GROSS FLOWS	15,919	10,552	47,768	71,378	-	50,784	99,845	30,569	309,487	97%
LOSSES & OMISSIONS	-466	-328	-51	-4	-	604	7,140	3,337	10,292	3%
TOTAL NET USAGE	15,452	10,224	47,717	71,374	-	51,449	106,985	16,577	319,779	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	407	-	407	1%
HYDROELECTRIC	-	-	-	-	-	-	-	26,718	25,718	72%
NUCLEAR	-	-	-	-	-	-	-	10,094	10,094	27%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	407	36,812	37,219	
NET IMPORTS OF REGION	15,452	10,224	47,717	71,374	-	51,449	106,578	-20,234	282,560	

NOTES:

1	TRANSFORMATION LOSS FOR ELECTRICITY GEN.	= 71.01%
2	TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS	= 0.0%
3	TRANSFORMATION LOSS FOR NATURAL GAS	= 0.0%
4	TRANSFORMATION LOSS FOR SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL		
			(ALL UNITS IN 10**12 JOULES)								
FINAL DEMAND SECTORS											
RESIDENTIAL, COMM.	1,911	257	-	9,712	-	15,955	701	18,642	47,181	15%	
INDUSTRIAL	5,859	3,348	2,841	10,598	-	28,493	22,880	23,823	97,846	32%	
TRANSPORTATION	7,792	396	49,886	2,147	-	1,795	-	281	62,300	20%	
MISCELLANEOUS USES	59	23	-	78	-	553	-	198	912	0%	
TOTAL FINAL DEMAND SECTORS	15,622	4,026	52,728	22,536	-	46,798	23,582	42,946	208,240	68%	
TRANSFORMATION											
ELECTRICITY GEN.	-	-	-	-	-	-	118,890	-33,514	85,376	28%	
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	-	
SYN-GAS	-	-	-	-	-	-	-	-	-	-	
NET FUEL USED IN TRANSFORMATION											
	-	-	-	-	-	-	118,890	-33,514	85,376	28%	
TOTAL GROSS FLOWS											
LOSSES & OMISSIONS	-457	-125	-55	-1	-	612	10,188	4,689	14,849	5%	
TOTAL NET USAGE	15,164	3,900	52,671	22,535	-	47,410	152,661	14,121	308,466		
SUPPLY OF ENERGY											
FOSSIL FUEL	-	-	-	-	-	-	63,211	-	63,211	81%	
HYDROELECTRIC	-	-	-	-	-	-	-	14,902	14,902	19%	
NUCLEAR	-	-	-	-	-	-	-	-	-	-	
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-	
TOTAL SUPPLY	-	-	-	-	-	-	63,211	14,902	78,114		
NET IMPORTS OF REGION											
	15,164	3,900	52,671	22,535	-	47,410	89,449	-780	230,351		

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 71.81%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	4,014	54	-	20,838	-	33,914	2,154	40,003	100,981	19%
INDUSTRIAL	9,061	2,981	7,203	9,495	-	27,413	21,865	24,998	103,020	19%
TRANSPORTATION	16,608	6	100,788	15,131	-	9,031	-	642	142,208	26%
MISCELLANEOUS USES	894	486	-	459	-	3,290	-	1,392	6,523	1%

TOTAL FINAL DEMAND SECTORS	30,579	3,529	107,991	45,924	-	73,650	24,020	67,036	352,733	65%

TRANSFORMATION										
ELECTRICITY GEN.	6,671	-	-	-	-	-	224,484	-66,729	154,426	30%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	6,671	-	-	-	-	-	224,484	-66,729	164,426	30%

TOTAL GROSS FLOWS	37,251	3,529	107,991	45,924	-	73,650	248,505	67,036	517,159	95%
LOSSES & OMISSIONS	-1,091	-109	-116	-2	-	964	17,771	7,319	24,734	5%

TOTAL NET USAGE	36,159	3,419	107,874	45,922	-	74,614	266,276	7,626	541,893	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,922	2,372	32,924	-	37,219	82%
HYDROELECTRIC	-	-	-	-	-	-	-	8,381	8,381	18%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	1,922	2,372	32,924	8,381	45,601	

NET IMPORTS OF REGION	36,159	3,419	107,874	45,922	-1,922	72,242	233,351	-754	496,292	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 71.13%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
(ALL UNITS IN 10**12 JOULES)									
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	2,441	31	-	13,168	-	20,695	1,367	24,509	62,213 15%
INDUSTRIAL	7,567	2,338	3,403	13,145	-	23,318	28,267	33,411	111,953 28%
TRANSPORTATION	10,056	4	61,520	4,964	-	5,201	-	343	81,891 21%
MISCELLANEOUS USES	95	29	-	141	-	1,317	-	503	2,087 1%
TOTAL FINAL DEMAND SECTORS	20,161	2,403	64,923	31,420	-	50,832	29,634	58,768	258,145 65%
TRANSFORMATION									
ELECTRICITY GEN.	-	-	-	-	-	-	168,602	-52,676	115,925 29%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-	-	-	-	-	-	168,602	-52,676	115,925 29%
TOTAL GROSS FLOWS	20,161	2,403	64,923	31,420	-	50,832	198,236	58,768	374,070 95%
LOSSES & OMISSIONS	-590	-74	-70	-1	-	665	14,176	6,416	20,521 5%
TOTAL NET USAGE	19,570	2,329	64,853	31,418	-	51,498	212,413	12,508	394,591
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	4,265	18,168	773,053	-	795,488 98%
HYDROELECTRIC	-	-	-	-	-	-	-	12,552	12,552 2%
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	4,265	18,168	773,053	12,552	808,040
NET IMPORTS OF REGION	19,570	2,329	64,853	31,418	-4,265	33,329	-560,640	-43	-413,448

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=63.76%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	4,741	401	-	8,482	-	16,165	1,185	16,127	47,105	15%
INDUSTRIAL	7,687	4,514	2,918	12,890	-	20,456	30,296	27,946	106,711	35%
TRANSPORTATION	8,322	428	50,539	4,925	-	2,948	-	284	67,449	22%
MISCELLANEOUS USES	75	55	-	79	-	583	-	266	1,061	0%
TOTAL FINAL DEMAND SECTORS	20,827	5,400	53,458	26,378	-	40,154	31,482	44,626	222,327	72%
TRANSFORMATION										
ELECTRICITY GEN.	-	21	-	-	-	-	106,336	-34,476	71,881	23%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-	21	-	-	-	-	106,336	-34,476	71,881	23%
TOTAL GROSS FLOWS	20,827	5,421	53,458	26,378	-	40,154	137,818	44,626	294,208	95%
LOSSES & OMISSIONS	-610	-168	-57	-1	-	525	9,855	4,872	14,415	5%
TOTAL NET USAGE	20,216	5,253	53,400	26,376	-	40,679	147,674	15,023	308,624	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	17	7,750	1,323,367	-	1,331,136	100%
HYDROELECTRIC	-	-	-	-	-	-	-	2,756	2,756	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	17	7,750	1,323,367	2,756	1,333,892	
NET IMPORTS OF REGION	20,216	5,253	53,400	26,376	-17	32,929	-1,175,693	12,266	-1,025,267	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=67.58%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	4,770	1,197	-	11,581	-	57,751	2,936	15,761	94,010	10%
INDUSTRIAL	9,808	8,731	3,509	3,732	-	51,952	124,781	35,955	266,471	28%
TRANSPORTATION	17,525	121	78,222	23,721	-	12,577	-	266	132,435	14%
MISCELLANEOUS USES	390	111	-	197	-	2,546	-	514	3,762	0%
TOTAL FINAL DEMAND SECTORS	32,495	10,161	81,732	67,232	-	124,826	127,718	52,499	496,679	52%
TRANSFORMATION										
ELECTRICITY GEN.	109	2,187	-	-	-	52	548,784	-170,300	380,834	40%
PETROLEUM PRODUCTS	-56,771	-19,114	-130,527	-65,470	282,888	6,652	-	-	17,698	2%
NATURAL GAS	-	-	-	-16,307	-	17,616	-	-	1,309	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-55,661	-16,926	-130,527	-81,777	282,888	24,351	548,784	-170,300	399,841	42%
TOTAL GROSS FLOWS	32,604	12,349	81,732	67,232	282,888	149,201	676,502	52,499	896,521	94%
LOSSES & OMISSIONS	-955	-384	-38	-3	1,227	1,953	48,377	5,732	55,858	6%
TOTAL NET USAGE	-25,121	-7,148	-48,833	-14,548	284,115	151,154	724,880	-112,068	952,379	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	12,772	7,907	2,540,519	-	2,561,199	100%
HYDROELECTRIC	-	-	-	-	-	-	-	626	626	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	12,772	7,907	2,540,519	626	2,561,826	
NET IMPORTS OF REGION	-25,121	-7,148	-48,833	-14,548	271,343	143,246	-1,815,638	-112,695	-1,609,446	

NOTES:

1	TRANSFORMATION LOSS FOR ELECTRICITY GEN.	=69.10%
2	TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS	= 6.11%
3	TRANSFORMATION LOSS FOR NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,409	121	-	12,302	-	27,731	1,225	12,664	56,454	26%
INDUSTRIAL	4,920	661	3,720	2,264	-	10,325	5,795	8,075	35,773	16%
TRANSPORTATION	5,417	5	53,347	4,429	-	5,118	-	155	68,473	31%
MISCELLANEOUS USES	110	15	-	245	-	3,453	-	1,222	5,088	2%
TOTAL FINAL DEMAND SECTORS	12,858	803	57,067	19,241	-	46,680	7,020	22,118	165,790	75%
TRANSFORMATION										
ELECTRICITY GEN.	43	184	-	-	-	72	64,499	-18,870	45,930	21%
PETROLEUM PRODUCTS	-1,206	-393	-2,782	-1,416	6,042	146	-	-	390	0%
NATURAL GAS	-	-	-	-15,574	-	16,824	-	-	1,249	1%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-1,163	-208	-2,782	-16,990	6,042	17,043	64,499	-18,870	47,570	21%
TOTAL GROSS FLOWS	12,901	988	57,057	19,241	6,042	63,723	71,520	22,118	213,360	96%
LOSSES & OMISSIONS	-378	-30	-51	-1	26	334	5,114	2,415	7,918	4%
TOTAL NET USAGE	11,316	564	54,223	2,249	6,069	64,557	76,635	5,662	221,279	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	14,593	23,022	842,017	-	879,632	100%
HYDROELECTRIC	-	-	-	-	-	-	-	4,297	4,297	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	14,593	23,022	842,017	4,297	883,930	
NET IMPORTS OF REGION	11,316	564	54,223	2,249	-8,523	41,535	-765,382	1,365	-662,651	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=70.88%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 6.31%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
(ALL UNITS IN 10**12 JOULES)									
FINAL DEMAND SECTORS:									
RESIDENTIAL, COMM.	6,952	540	-	18,546	-	45,215	2,181	19,359	92,795 17%
INDUSTRIAL	6,917	2,178	4,216	18,021	-	36,833	27,693	47,583	143,443 27%
TRANSPORTATION	13,031	119	77,601	11,674	-	7,733	-	395	110,606 21%
MISCELLANEOUS USES	737	63	-	574	-	4,602	-	2,366	8,404 2%
TOTAL FINAL DEMAND SECTORS	27,748	2,900	31,817	48,817	-	94,385	29,875	69,705	355,250 67%
TRANSFORMATION									
ELECTRICITY GEN.	-	436	-	-	-	220	217,443	-69,989	148,113 28%
PETROLEUM PRODUCTS	-10,154	-3,303	-23,370	-11,901	50,761	1,234	-	-	3,285 1%
NATURAL GAS	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-10,134	-2,854	-23,370	-11,901	50,751	1,454	217,443	-69,989	151,399 28%
TOTAL GROSS FLOWS	27,743	3,339	81,317	48,817	50,751	95,840	247,318	69,705	506,649 95%
LOSSES & OMISSIONS	-813	-103	-98	-2	220	1,254	17,686	7,611	25,763 5%
TOTAL NET USAGE	16,800	-68	58,359	36,913	50,981	97,094	265,004	7,327	532,413
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	138	-	1,073	-	1,211 49%
HYDROELECTRIC	-	-	-	-	-	-	-	1,262	1,262 51%
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	138	-	1,073	1,262	2,474
NET IMPORTS OF REGION	16,800	-68	58,359	36,913	50,843	97,094	263,931	6,064	529,938

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 67.91%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 6.32%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0%
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	8,630	1,180	-	11,021	-	33,567	1,656	11,632	57,688	13%
INDUSTRIAL	8,793	3,309	5,186	11,660	-	21,451	26,301	20,214	96,918	19%
TRANSPORTATION	7,794	149	50,573	2,684	-	2,431	-	179	63,813	13%
MISCELLANEOUS USES	299	119	-	157	-	1,358	-	511	2,446	0%

TOTAL FINAL DEMAND SECTORS	25,518	4,759	55,759	25,524	-	58,809	27,957	32,537	230,865	46%

TRANSFORMATION										
ELECTRICITY GEN.	396	1,573	-	-	-	637	332,068	-96,037	238,638	48%
PETROLEUM PRODUCTS	-42,525	-13,663	-102,878	-35,800	192,256	5,220	-	-	2,408	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-42,128	-12,289	-102,878	-35,800	192,256	5,857	332,068	-96,037	241,046	48%

TOTAL GROSS FLOWS	25,915	6,333	55,759	25,524	192,256	64,666	360,026	32,537	471,912	94%
LOSSES & OMISSIONS	-759	-196	-50	-1	833	846	25,746	3,552	29,961	6%

TOTAL NET USAGE	-17,369	-7,727	-47,179	-10,278	193,090	65,513	385,772	-59,947	501,874	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	109,521	19,496	2,006,695	-	2,135,713	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	109,521	19,496	2,006,695	-	2,135,713	

NET IMPORTS OF REGION	-17,369	-7,727	-47,179	-10,278	83,568	46,016	-1,620,922	-59,947	-1,633,839	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=71.30%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.22%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	4,098	580	-	3,473	-	12,140	638	3,808	24,740	13%
INDUSTRIAL	2,036	1,051	1,999	7,061	-	6,401	7,088	2,963	28,604	15%
TRANSPORTATION	3,077	80	16,918	754	-	524	-	70	20,523	11%
MISCELLANEOUS USES	188	68	-	74	-	487	-	160	979	1%

TOTAL FINAL DEMAND SECTORS	9,402	1,780	18,015	11,364	-	19,553	7,726	7,003	74,847	39%

TRANSFORMATION										
ELECTRICITY GEN.	226	1,387	-	-	-	-	142,967	-45,140	99,441	52%
PETROLEUM PRODUCTS	-79,549	-25,934	-197,823	-63,363	360,670	9,549	-	-	3,548	2%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-79,323	-24,547	-197,823	-63,363	360,670	9,549	142,967	-45,140	102,989	54%

TOTAL GROSS FLOWS	9,529	3,167	18,015	11,364	360,670	29,102	150,693	7,003	177,837	93%
LOSSES & OMISSIONS	-282	-98	-19	-0	1,564	380	10,776	764	13,085	7%

TOTAL NET USAGE	-70,202	-22,865	-179,826	-52,000	362,235	29,483	161,470	-37,371	190,922	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	10,714	33	203,723	-	214,472	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	10,714	33	203,723	-	214,472	

NET IMPORTS OF REGION	-70,202	-22,865	-179,826	-52,000	351,520	29,450	-42,253	-37,371	-23,549	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=68.78%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.96%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	5,316	2,650	-	6,039	-	32,771	546	7,346	54,671	27%
INDUSTRIAL	3,636	1,272	4,843	3,017	-	10,021	3,954	3,864	30,611	15%
TRANSPORTATION	4,721	88	29,044	333	-	681	-	241	35,111	17%
MISCELLANEOUS USES	309	366	-	167	-	1,403	-	1,273	3,519	2%

TOTAL FINAL DEMAND SECTORS	13,983	4,377	33,888	9,558	-	44,878	4,500	12,726	123,913	61%

TRANSFORMATION										
ELECTRICITY GEN.	210	6,068	-	-	-	522	92,195	-26,618	72,378	35%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	210	6,068	-	-	-	522	92,195	-26,618	72,378	35%

TOTAL GROSS FLOWS	14,194	10,445	33,888	9,558	-	45,400	96,696	12,726	196,291	96%
LOSSES & OMISSIONS	-415	-324	-36	-0	-	590	6,914	1,389	8,120	4%

TOTAL NET USAGE	13,778	10,120	33,852	9,558	-	45,990	103,611	-12,503	204,412	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	4,268	-	103,442	-	107,710	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	4,268	-	103,442	-	107,710	

NET IMPORTS OF REGION	13,778	10,120	33,852	9,558	-4,268	45,990	169	-12,503	96,701	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 73.11%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DESTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	4,373	2,321	-	4,758	-	26,483	429	6,036	44,402	39%
INDUSTRIAL	2,562	898	3,577	3,787	-	7,106	3,168	2,678	23,779	21%
TRANSPORTATION	2,556	52	22,500	2,220	-	397	-	126	27,855	25%
MISCELLANEOUS USES	378	349	-	168	-	1,302	-	1,187	3,386	3%
TOTAL FINAL DEMAND SECTORS	9,870	3,622	26,078	10,935	-	35,290	3,597	10,029	99,424	88%
TRANSFORMATION										
ELECTRICITY GEN.	117	188	-	-	-	446	10,761	-3,352	8,160	7%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-34,748	-	37,536	-	-	2,787	2%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	117	188	-	-34,748	-	37,982	10,761	-3,352	10,948	10%
TOTAL GROSS FLOWS	9,987	3,810	26,078	10,935	-	73,272	14,358	10,029	110,373	98%
LOSSES & OMISSIONS	-292	-118	-28	-0	-	959	1,026	1,095	2,641	2%
TOTAL NET USAGE	9,695	3,692	26,050	-23,813	-	74,231	15,385	7,771	113,014	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	3,210	1,365	61,392	-	65,969	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	3,210	1,365	61,392	-	65,969	
NET IMPORTS OF REGION	9,695	3,692	26,050	-23,813	-3,210	72,865	-46,006	7,771	47,044	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 70.83%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 7.43%
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
	(ALL UNITS IN 10**12 JOULES)									
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	4,612	556	-	3,590	-	11,983	700	4,014	25,458	30%
INDUSTRIAL	2,005	1,717	2,421	3,724	-	7,380	13,691	2,847	33,788	40%
TRANSPORTATION	2,653	75	16,853	821	-	470	-	46	20,921	25%
MISCELLANEOUS USES	129	51	-	51	-	320	-	85	639	1%
TOTAL FINAL DEMAND SECTORS	9,401	2,401	19,275	8,188	-	20,155	14,391	6,994	80,808	95%
TRANSFORMATION										
ELECTRICITY GEN.	9	-	-	-	-	11	2,953	-562	2,412	3%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	9	-	-	-	-	11	2,953	-562	2,412	3%
TOTAL GROSS FLOWS	9,410	2,401	19,275	8,188	-	20,166	17,345	6,994	83,220	98%
LOSSES & OMISSIONS	-275	-74	-20	-0	-	263	1,240	763	1,896	2%
TOTAL NET USAGE	9,135	2,327	19,254	8,187	-	20,430	18,585	7,195	85,116	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	978	-	978	83%
HYDROELECTRIC	-	-	-	-	-	-	-	195	195	17%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	978	195	1,173	
NET IMPORTS OF REGION	9,135	2,327	19,254	8,187	-	20,430	17,606	7,000	83,942	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 81.10%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	29,237	3,365	-	23,366	-	76,750	4,575	25,698	162,994	31%
INDUSTRIAL	10,238	7,320	7,491	21,815	-	41,624	47,243	18,596	154,329	29%
TRANSPORTATION	20,579	839	103,072	9,735	-	5,093	-	437	139,758	27%
MISCELLANEOUS USES	1,220	583	-	499	-	3,018	-	768	6,091	1%
TOTAL FINAL DEMAND SECTORS	61,276	12,109	110,564	55,418	-	126,487	51,819	45,500	463,174	88%
TRANSFORMATION										
ELECTRICITY GEN.	126	298	-	-	-	4	65,110	-19,188	46,351	9%
PETROLEUM PRODUCTS	-11,699	-3,814	-25,026	-12,051	52,268	1,567	-	-	1,244	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-11,573	-3,515	-25,026	-12,051	52,268	1,571	65,110	-19,188	47,595	9%
TOTAL GROSS FLOWS	61,403	12,407	110,564	55,418	52,268	128,058	116,929	45,500	510,770	98%
LOSSES & OMISSIONS	-1,799	-385	-119	-3	228	1,676	8,361	4,968	12,925	2%
TOTAL NET USAGE	47,903	8,207	85,418	43,363	52,495	129,735	125,291	31,280	523,695	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	268	-	268	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	268	-	268	
NET IMPORTS OF REGION	47,903	8,207	85,418	43,363	52,495	129,735	125,022	31,280	523,426	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 70.72%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 2.31%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	9,005	919	-	7,658	-	24,220	1,513	8,083	51,402	28%
INDUSTRIAL	4,629	4,530	2,353	4,491	-	22,142	36,115	8,439	82,701	45%
TRANSPORTATION	4,159	139	33,080	1,404	-	839	-	82	39,705	22%
MISCELLANEOUS USES	204	68	-	81	-	506	-	136	996	1%
TOTAL FINAL DEMAND SECTORS	17,999	5,657	35,433	13,636	-	47,708	37,628	16,741	174,806	96%
TRANSFORMATION										
ELECTRICITY GEN.	-	2	-	-	-	-	4,502	-1,294	3,210	2%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION										
	-	2	-	-	-	-	4,502	-1,294	3,210	2%
TOTAL GROSS FLOWS	17,999	5,660	35,433	13,636	-	47,708	42,131	16,741	178,017	97%
LOSSES & OMISSIONS	-527	-175	-38	-0	-	624	3,012	1,828	4,722	3%
TOTAL NET USAGE	17,471	5,484	35,395	13,635	-	48,333	45,144	17,275	182,740	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	-	-	-
NET IMPORTS OF REGION										
	17,471	5,484	35,395	13,635	-	48,333	45,144	17,275	182,740	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 71.27%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	EASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
(ALL UNITS IN 10**12 JOULES)									

FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	13,945	480	-	22,609	-	100,638	3,449	29,640	170,764 21%
INDUSTRIAL	12,008	5,442	6,932	31,489	-	54,147	70,701	43,743	224,465 27%
TRANSPORTATION	16,739	526	111,800	7,503	-	7,336	-	688	144,595 18%
MISCELLANEOUS USES	525	50	-	349	-	4,398	-	2,035	7,059 1%
TOTAL FINAL DEMAND SECTORS	43,219	6,500	118,732	61,952	-	166,220	74,150	76,109	546,884 67%
TRANSFORMATION									
ELECTRICITY GEN.	3,561	2,303	-	-	-	2,321	318,840	-96,952	230,674 28%
PETROLEUM PRODUCTS	-17,068	-5,565	-49,321	-15,161	86,539	2,061	-	-	1,484 0%
NATURAL GAS	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-13,507	-3,261	-49,321	-15,161	86,539	4,982	318,840	-96,952	232,158 28%
TOTAL GROSS FLOWS	46,780	8,804	118,732	61,952	86,539	171,203	392,990	76,109	779,042 95%
LOSSES & OMISSIONS	-1,370	-273	-123	-3	375	2,241	28,103	8,310	37,253 5%
TOTAL NET USAGE	28,340	2,965	69,282	46,787	86,915	173,444	421,094	-12,533	816,296

SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	5	-	1,972	-	1,977 61%
HYDROELECTRIC	-	-	-	-	-	-	-	1,258	1,258 39%
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	5	-	1,972	1,258	3,236

NET IMPORTS OF REGION	28,340	2,965	69,282	46,787	86,910	173,444	419,121	-13,791	813,060

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 70.41%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.68%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
			(ALL UNITS IN 10**12 JOULES)							

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	8,827	217	-	12,582	-	66,325	2,081	17,822	107,857	34%
INDUSTRIAL	5,397	2,847	4,302	7,108	-	25,768	28,920	13,312	87,658	27%
TRANSPORTATION	6,502	403	66,385	5,435	-	1,644	-	286	80,659	25%
MISCELLANEOUS USES	884	108	-	392	-	4,098	-	2,409	7,894	2%

TOTAL FINAL DEMAND SECTORS	21,612	3,577	70,688	25,518	-	97,837	31,001	33,831	284,068	89%

TRANSFORMATION										
ELECTRICITY GEN.	2,214	503	-	-	-	175	34,360	-10,004	27,247	9%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	2,214	503	-	-	-	175	34,360	-10,004	27,247	9%

TOTAL GROSS FLOWS	23,826	4,081	70,638	25,518	-	98,012	65,361	33,831	311,316	97%
LOSSES & OMISSIONS	-698	-126	-76	-1	-	1,282	4,674	3,694	8,748	3%

TOTAL NET USAGE	23,128	3,954	70,612	25,517	-	99,295	70,035	27,520	320,064	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	7	-	-	-	7	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	7	-	-	-	7	

NET IMPORTS OF REGION	23,128	3,954	70,612	25,517	-7	99,295	70,035	27,520	320,057	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=73.14%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	14,173	501	-	19,634	-	106,730	3,401	28,913	173,354	28%
INDUSTRIAL	11,121	6,059	7,350	21,098	-	50,174	70,567	25,641	192,113	31%
TRANSPORTATION	15,259	599	106,502	7,821	-	3,955	-	658	134,896	22%
MISCELLANEOUS USES	925	105	-	457	-	4,997	-	2,773	9,259	1%

TOTAL FINAL DEMAND SECTORS	41,479	7,265	113,953	49,011	-	165,858	74,069	57,985	509,623	82%

TRANSFORMATION										
ELECTRICITY GEN.	1,202	231	-	-	-	917	125,428	-34,855	92,923	15%
PETROLEUM PRODUCTS	-2,132	-1,298	-4,543	-1,320	9,247	42	-	-	-5	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-930	-1,067	-4,543	-1,320	9,247	959	125,428	-34,855	92,918	15%

TOTAL GROSS FLOWS	42,682	7,496	113,953	49,011	9,247	166,818	199,497	57,985	602,546	97%
LOSSES & OMISSIONS	-1,250	-233	-122	-2	40	2,183	14,266	6,331	21,211	3%

TOTAL NET USAGE	39,298	5,964	109,287	47,687	9,287	169,002	213,763	29,461	623,753	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	13,773	27,213	284,728	-	325,715	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	13,773	27,213	284,728	-	325,715	

NET IMPORTS OF REGION	39,298	5,964	109,287	47,687	-4,486	141,788	-70,964	29,461	298,037	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=72.72%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-0.06%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	1,177	489	-	2,187	-	15,681	858	3,621	24,015	9%
INDUSTRIAL	2,195	2,174	753	1,011	-	11,912	11,963	4,901	34,912	13%
TRANSPORTATION	2,844	9	19,974	4,245	-	1,987	-	10	29,072	11%
MISCELLANEOUS USES	131	43	-	53	-	695	-	64	989	0%
TOTAL FINAL DEMAND SECTORS	6,348	2,717	20,727	7,498	-	30,278	12,822	8,597	88,990	33%
TRANSFORMATION										
ELECTRICITY GEN.	-	210	-	-	-	333	233,499	-72,395	151,649	60%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-	210	-	-	-	333	233,499	-72,395	151,649	60%
TOTAL GROSS FLOWS	6,348	2,928	20,727	7,498	-	30,611	246,321	8,597	250,639	93%
LOSSES & OMISSIONS	-186	-91	-22	-0	-	400	17,614	938	18,654	7%
TOTAL NET USAGE	6,162	2,837	20,705	7,498	-	31,012	263,936	-62,858	269,293	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	5,114	185,259	888,369	-	1,078,744	100%
HYDROELECTRIC	-	-	-	-	-	-	-	955	955	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	5,114	185,259	888,369	955	1,079,699	
NET IMPORTS OF REGION	6,162	2,837	20,705	7,498	-5,114	-154,247	-524,432	-63,814	-810,406	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.07%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	58,722	15,531	-	25,458	-	130,179	13,628	51,550	295,070	14%
INDUSTRIAL	45,954	45,768	10,170	63,951	-	139,177	515,824	62,009	882,856	41%
TRANSPORTATION	31,915	7,970	175,202	16,909	-	9,615	-	2,556	244,169	11%
MISCELLANEOUS USES	1,549	3,027	-	489	-	4,236	-	763	10,065	0%

TOTAL FINAL DEMAND SECTORS	138,141	72,298	185,372	106,808	-	283,208	529,452	116,880	1,432,161	67%

TRANSFORMATION										
ELECTRICITY GEN.	4,926	3,706	-	-	-	107	839,619	-247,298	501,061	28%
PETROLEUM PRODUCTS	-7,293	-4,439	-14,704	-4,805	30,525	143	-	-	-574	0%
NATURAL GAS	-	-	-	-10,691	-	11,550	-	-	858	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	0%

NET FUEL USED IN TRANSFORMATION	-2,366	-733	-14,704	-15,497	30,525	11,801	839,619	-247,298	601,345	28%

TOTAL GROSS FLOWS	143,068	76,004	185,372	106,808	30,525	295,009	1,359,071	116,880	2,034,081	95%
LOSSES & OMISSIONS	-4,192	-2,353	-200	-6	132	3,861	97,904	12,762	107,898	5%

TOTAL NET USAGE	138,876	73,651	185,172	106,802	30,393	298,870	1,456,975	104,118	1,926,183	90%

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	2,172	16,111	2,939,913	-	2,958,197	100%
HYDROELECTRIC	-	-	-	-	-	-	-	457	457	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	2,172	16,111	2,939,913	457	2,958,655	

NET IMPORTS OF REGION	131,582	69,200	170,457	91,305	28,485	282,760	-1,472,938	-118,114	-817,250	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 10.95%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= -1.87%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	8,000	1,119	-	7,419	-	38,225	1,920	11,321	58,007	20%
INDUSTRIAL	5,650	6,300	2,169	12,159	-	38,320	99,095	16,893	181,090	53%
TRANSPORTATION	6,008	429	40,315	1,125	-	1,001	-	407	49,286	14%
MISCELLANEOUS USES	195	141	-	90	-	958	-	456	1,842	1%
TOTAL FINAL DEMAND SECTORS	19,854	8,490	42,485	20,795	-	78,506	101,015	29,078	300,226	88%
TRANSFORMATION										
ELECTRICITY GEN.	663	53	-	-	-	87	39,908	-11,489	29,223	9%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	663	53	-	-	-	87	39,908	-11,489	29,223	9%
TOTAL GROSS FLOWS	20,517	8,543	42,485	20,795	-	78,594	140,924	29,078	329,449	96%
LOSSES & OMISSIONS	-601	-265	-45	-1	-	1,028	10,077	3,175	13,367	4%
TOTAL NET USAGE	19,916	8,278	42,439	20,794	-	79,622	151,002	20,763	342,817	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,037	8,153	36,056	-	45,247	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEOT. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	1,037	8,153	36,056	-	45,247	
NET IMPORTS OF REGION	19,916	8,278	42,439	20,794	-1,037	71,469	114,945	20,763	297,569	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 71.78%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	32,567	811	-	45,777	-	242,984	7,567	65,627	395,335	25%
INDUSTRIAL	24,905	18,508	14,200	72,367	-	155,286	233,693	85,606	604,569	38%
TRANSPORTATION	35,152	1,765	240,091	0,947	-	7,938	-	1,632	297,528	19%
MISCELLANEOUS USES	1,128	82	-	638	-	7,219	-	4,069	13,137	1%
TOTAL FINAL DEMAND SECTORS	93,754	21,167	254,292	129,730	-	413,428	241,261	156,936	1,310,570	82%
TRANSFORMATION										
ELECTRICITY GEN.	7,852	4,237	-	-	-	764	305,170	-92,852	225,172	14%
PETROLEUM PRODUCTS	-25,948	-8,459	-74,978	-23,049	131,556	3,133	-	-	2,255	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-18,095	-4,222	-74,978	-23,049	131,556	3,898	305,170	-92,852	227,427	14%
TOTAL GROSS FLOWS	101,607	25,404	254,292	129,730	131,556	417,327	546,431	156,936	1,537,998	96%
LOSSES & OMISSIONS	-2,977	-790	-274	-7	570	5,462	39,076	17,135	58,195	4%
TOTAL NET USAGE	72,682	16,155	179,039	106,673	132,127	422,789	585,507	81,219	1,596,194	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	24,449	42,422	173,306	-	240,178	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	24,449	42,422	173,306	-	240,178	
NET IMPORTS OF REGION	72,682	16,155	179,039	106,673	107,678	380,366	412,200	81,219	1,356,015	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 70.80%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.67%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,100	48	-	3,051	-	15,931	505	4,252	25,890	31%
INDUSTRIAL	1,715	860	1,718	7,161	-	7,758	6,779	3,623	29,615	35%
TRANSPORTATION	1,883	59	16,536	363	-	330	-	85	19,258	23%
MISCELLANEOUS USES	46	3	-	27	-	302	-	169	549	1%
TOTAL FINAL DEMAND SECTORS	5,745	971	18,254	10,603	-	24,322	7,284	8,131	75,313	89%
TRANSFORMATION										
ELECTRICITY GEN.	-	21	-	-	-	-	295	-52	263	0%
PETROLEUM PRODUCTS	-68,113	-22,205	-196,817	-60,503	345,336	8,226	-	-	5,923	7%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-68,113	-22,184	-196,817	-60,503	345,336	8,225	295	-52	6,187	7%
TOTAL GROSS FLOWS	5,745	992	18,254	10,503	345,336	32,548	7,579	8,131	81,501	96%
LOSSES & OMISSIONS	-168	-30	-19	-0	1,497	426	542	887	3,134	4%
TOTAL NET USAGE	-62,536	-21,243	-178,582	-49,899	346,834	32,975	8,121	8,966	84,635	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	-	-	-
NET IMPORTS OF REGION	-62,536	-21,243	-178,582	-49,899	346,834	32,975	8,121	8,966	84,635	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 83.33%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.68%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	9,931	252	-	11,633	-	62,649	1,722	16,294	102,484	17%
INDUSTRIAL	5,935	3,831	4,452	26,140	-	35,974	34,997	15,029	126,360	21%
TRANSPORTATION	10,651	403	63,324	2,628	-	2,224	-	477	79,711	13%
MISCELLANEOUS USES	242	18	-	125	-	1,486	-	761	2,634	0%
TOTAL FINAL DEMAND SECTORS	26,761	4,506	67,777	40,527	-	102,335	36,719	32,563	311,191	53%
TRANSFORMATION										
ELECTRICITY GEN.	1,063	3,842	-	9,786	-	-	332,021	-110,523	236,189	40%
PETROLEUM PRODUCTS	-127,984	-41,723	-369,817	-113,685	648,882	15,458	-	-	11,130	2%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-126,920	-37,880	-369,817	-103,898	648,882	15,458	332,021	-110,523	247,319	42%
TOTAL GROSS FLOWS	27,824	8,348	67,777	50,313	648,882	117,793	368,740	32,563	558,510	94%
LOSSES & OMISSIONS	-815	-259	-73	-2	2,814	1,541	26,369	3,555	33,130	6%
TOTAL NET USAGE	-100,974	-33,634	-302,113	-63,374	651,697	119,335	395,110	-74,404	591,641	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	36	-	-	-	36	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	36	-	-	-	36	
NET IMPORTS OF REGION	-100,974	-33,634	-302,113	-63,374	651,660	119,335	395,110	-74,404	591,604	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 8.12%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.68%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	84,582	2,531	-	54,779	-	324,388	3,917	69,205	539,405	34%
INDUSTRIAL	13,603	8,196	13,665	45,258	-	133,305	124,953	51,661	390,645	25%
TRANSPORTATION	31,043	1,550	326,190	18,479	-	12,333	-	1,144	390,741	25%
MISCELLANEOUS USES	2,623	372	-	888	-	12,719	-	3,547	20,150	1%

TOTAL FINAL DEMAND SECTORS	131,853	12,651	339,856	119,405	-	482,747	128,871	125,559	1,340,943	86%

TRANSFORMATION										
ELECTRICITY GEN.	4,487	46,699	-	-	-	47,310	158,254	-74,469	182,281	12%
PETROLEUM PRODUCTS	-26,013	-8,480	-47,628	-23,753	112,104	3,183	-	-	9,411	1%
NATURAL GAS	-	-	-	-443	-	478	-	-	35	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-21,526	38,218	-47,628	-24,196	112,104	50,973	158,254	-74,469	191,729	12%

TOTAL GROSS FLOWS	136,340	59,350	339,856	119,405	112,104	533,720	287,125	125,559	1,532,673	98%
LOSSES & OMISSIONS	-3,995	-1,845	-366	-6	486	6,986	20,532	13,709	35,500	2%

TOTAL NET USAGE	106,331	49,023	291,861	95,202	112,590	540,707	307,658	64,798	1,568,174	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	7,143	6,788	-	-	13,931	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	7,143	6,788	-	-	13,931	

NET IMPORTS OF REGION	106,331	49,023	291,861	95,202	105,447	533,918	307,658	64,798	1,554,242	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 71.00%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 8.16%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.49%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
[ALL UNITS IN 10**12 JOULES]										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	13,164	361	-	8,880	-	50,697	637	10,777	84,519	23%
INDUSTRIAL	3,826	1,794	3,666	19,413	-	29,107	31,424	9,594	98,827	27%
TRANSPORTATION	4,075	172	53,713	6,295	-	1,576	-	133	65,767	18%
MISCELLANEOUS USES	847	284	-	176	-	2,243	-	625	4,177	1%
TOTAL FINAL DEMAND SECTORS	21,914	2,613	57,380	34,765	-	83,425	32,061	21,131	253,292	69%
TRANSFORMATION										
ELECTRICITY GEN.	1,368	36,378	-	-	-	6,155	83,640	-36,808	90,734	25%
PETROLEUM PRODUCTS	-28,174	-9,185	-51,586	-25,726	121,417	3,447	-	-	10,192	3%
NATURAL GAS	-	-	-	-68	-	73	-	-	5	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-26,806	27,193	-51,586	-25,795	121,417	9,576	83,640	-36,808	100,932	28%
TOTAL GROSS FLOWS	23,282	38,992	57,330	34,765	121,417	93,101	115,701	21,131	354,224	97%
LOSSES & OMISSIONS	-682	-1,272	-51	-2	526	1,218	8,274	2,307	10,367	3%
TOTAL NET USAGE	-5,574	28,594	5,732	3,968	121,944	94,320	123,976	-13,369	364,592	
SUPPLY OF ENERGY										
POSSIL FUEL	-	-	-	-	53,500	13,765	-	-	67,265	97%
HYDROELECTRIC	-	-	-	-	-	-	-	2,308	2,308	3%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	53,500	13,765	-	2,308	69,574	
NET IMPORTS OF REGION	-5,574	28,594	5,732	3,968	68,444	80,555	123,976	-15,677	295,018	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 71.14%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 8.16%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.14%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	18,775	529	-	12,509	-	72,213	896	15,361	120,286	29%
INDUSTRIAL	5,430	2,394	5,202	12,408	-	39,176	40,859	12,824	118,295	29%
TRANSPORTATION	6,765	245	75,274	2,956	-	2,125	-	234	87,603	21%
MISCELLANEOUS USES	473	68	-	158	-	2,275	-	634	3,610	1%

TOTAL FINAL DEMAND SECTORS	31,444	3,238	80,476	28,033	-	115,791	41,756	29,054	329,795	81%

TRANSFORMATION										
ELECTRICITY GEN.	978	522	-	-	-	3,920	87,808	-28,498	54,731	16%
PETROLEUM PRODUCTS	-2,480	-809	-4,543	-2,265	10,693	303	-	-	898	0%
NATURAL GAS	-	-	-	-7,151	-	7,725	-	-	573	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-1,502	-286	-4,543	-9,417	10,693	11,949	87,808	-28,498	66,204	16%

TOTAL GROSS FLOWS	32,423	3,760	80,476	28,033	10,693	127,741	129,565	29,054	396,000	97%
LOSSES & OMISSIONS	-950	-116	-36	-1	46	1,672	9,265	3,172	13,000	3%

TOTAL NET USAGE	28,992	2,834	75,847	18,614	10,739	129,413	138,830	3,728	409,000	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	53,738	76,162	-	-	129,901	98%
HYDROELECTRIC	-	-	-	-	-	-	-	1,294	1,294	1%
NUCLEAR	-	-	-	-	-	-	-	1,046	1,046	1%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	53,738	76,162	-	2,340	132,242	

NET IMPORTS OF REGION	28,992	2,834	75,847	18,614	-42,998	53,250	138,830	1,387	276,758	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.43%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 8.17%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	17,626	545	-	11,216	-	67,486	800	14,426	112,101	34%
INDUSTRIAL	4,929	2,712	4,567	10,396	-	35,336	30,755	11,163	99,862	31%
TRANSPORTATION	5,289	191	67,786	2,202	-	1,590	-	175	77,236	24%
MISCELLANEOUS USES	715	80	-	257	-	3,708	-	1,033	5,795	2%
TOTAL FINAL DEMAND SECTORS	28,560	3,530	72,353	24,072	-	108,122	31,556	26,799	294,995	90%
TRANSFORMATION										
ELECTRICITY GEN.	333	7,177	-	-	-	2,975	22,961	-9,677	23,770	7%
PETROLEUM PRODUCTS	-2,241	-730	-4,103	-2,046	9,657	274	-	-	810	0%
NATURAL GAS	-	-	-	-860	-	930	-	-	69	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-1,908	6,446	-4,103	-2,907	9,657	4,180	22,961	-9,677	24,650	8%
TOTAL GROSS FLOWS	28,894	10,708	72,353	24,072	9,657	112,302	54,518	26,799	319,646	98%
LOSSES & OMISSIONS	-846	-333	-73	-1	41	1,470	3,898	2,926	7,077	2%
TOTAL NET USAGE	25,805	9,544	58,172	21,164	9,699	113,772	58,417	20,047	326,723	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	34,979	21,661	-	-	56,640	87%
HYDROELECTRIC	-	-	-	-	-	-	-	24	24	0%
NUCLEAR	-	-	-	-	-	-	-	8,739	8,739	13%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	34,979	21,661	-	8,763	65,403	
NET IMPORTS OF REGION										
	25,805	9,644	68,172	21,164	-25,279	52,111	58,417	11,284	261,320	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 71.07%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 8.15%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.48%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	9,802	1,049	-	8,378	-	29,208	1,612	9,401	59,452	31%
INDUSTRIAL	5,101	4,337	3,409	6,369	-	22,975	36,338	9,083	87,615	45%
TRANSPORTATION	7,260	193	38,256	1,780	-	1,241	-	171	48,903	25%
MISCELLANEOUS USES	213	65	-	88	-	603	-	197	1,167	1%
TOTAL FINAL DEMAND SECTORS	22,376	5,645	41,665	16,617	-	54,028	37,951	18,854	197,139	101%
TRANSFORMATION										
ELECTRICITY GEN.	285	-	-	-	-	8	67	-63	298	0%
PETROLEUM PRODUCTS	-78,378	-23,935	-148,878	-68,080	295,413	14,860	-	-	-9,000	-4%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-78,093	-23,935	-148,878	-68,080	295,413	14,863	67	-63	-8,702	-3%
TOTAL GROSS FLOWS	22,662	5,645	41,665	16,617	295,413	68,897	38,019	18,854	197,438	102%
LOSSES & OMISSIONS	-664	-175	-44	-0	1,281	901	2,718	2,058	6,075	3%
TOTAL NET USAGE	-56,380	-18,465	-107,257	-51,464	296,694	69,799	40,737	20,849	194,512	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	63	-	-	-	63	98%
HYDROELECTRIC	-	-	-	-	-	-	-	1	1	2%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	63	-	-	1	64	
NET IMPORTS OF REGION	-56,380	-18,465	-107,257	-51,464	296,631	69,799	40,737	20,848	194,448	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=82.51%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-2.90%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	12,582	1,054	-	9,802	-	38,096	1,588	10,880	74,004	31%
INDUSTRIAL	5,544	3,379	3,770	9,450	-	29,379	33,023	11,032	95,580	40%
TRANSPORTATION	5,060	231	47,462	2,398	-	1,507	-	140	57,800	24%
MISCELLANEOUS USES	246	68	-	95	-	822	-	224	1,458	1%

TOTAL FINAL DEMAND SECTORS	24,434	4,733	51,233	21,747	-	69,805	34,612	22,277	228,844	96%

TRANSFORMATION										
ELECTRICITY GEN.	39	6,112	-	-	-	-	-	-1,778	4,373	2%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	39	6,112	-	-	-	-	-	-1,778	4,373	2%

TOTAL GROSS FLOWS	24,473	10,846	51,233	21,747	-	69,805	34,612	22,277	233,218	98%
LOSSES & OMISSIONS	-717	-337	-55	-1	-	913	2,475	2,432	4,710	2%

TOTAL NET USAGE	23,756	10,509	51,178	21,746	-	70,719	37,087	22,931	237,928	

SUPPLY OF ENERGY										
POSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	409	409	2%
NUCLEAR	-	-	-	-	-	-	-	16,047	16,047	98%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	16,456	16,456	

NET IMPORTS OF REGION	23,756	10,509	51,178	21,746	-	70,719	37,087	6,474	221,471	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=71.09%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
	(ALL UNITS IN 10**12 JOULES)									
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	93,334	42,619	-	100,733	-	526,573	10,312	122,739	396,313	29%
INDUSTRIAL	39,961	54,994	28,384	220,080	-	334,836	341,220	105,997	1,125,474	36%
TRANSPORTATION	88,075	2,134	456,914	30,908	-	27,119	-	4,897	610,051	19%
MISCELLANEOUS USES	3,813	3,959	-	1,903	-	15,331	-	13,478	38,486	1%
TOTAL FINAL DEMAND SECTORS	225,184	103,707	485,299	353,626	-	903,861	351,532	247,113	2,670,326	85%
TRANSFORMATION										
ELECTRICITY GEN.	20,623	29,737	-	-	-	35,523	406,304	-135,042	357,146	11%
PETROLEUM PRODUCTS	-366,781	-119,577	-850,297	-333,642	1,651,120	46,496	-	-	27,318	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-346,157	-89,839	-850,297	-333,642	1,651,120	82,020	406,304	-135,042	384,464	12%
TOTAL GROSS FLOWS	245,808	133,445	485,299	353,626	1,651,120	985,881	757,837	247,113	3,054,790	97%
LOSSES & OMISSIONS	-7,203	-4,150	-523	-20	7,162	12,905	54,194	26,982	89,345	3%
TOTAL NET USAGE	-128,175	9,717	-365,522	19,963	1,658,282	998,786	812,031	139,052	3,144,136	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	235	235	1%
NUCLEAR	-	-	-	-	-	-	-	20,990	20,990	99%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	21,225	21,225	
NET IMPORTS OF REGION	-128,175	9,717	-365,522	19,963	1,658,282	998,786	812,031	117,826	3,122,911	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 72.56%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.61%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	7,104	3,669	-	7,882	-	43,372	711	9,810	72,551	28%
INDUSTRIAL	3,977	1,946	5,165	4,001	-	14,411	6,607	5,380	41,490	16%
TRANSPORTATION	5,609	113	36,771	471	-	877	-	291	44,134	17%
MISCELLANEOUS USES	180	212	-	95	-	812	-	737	2,037	1%
TOTAL FINAL DEMAND SECTORS	16,871	5,941	41,936	12,451	-	59,473	7,319	16,219	160,214	62%
TRANSFORMATION										
ELECTRICITY GEN.	145	52	-	-	-	1,990	118,865	-35,283	85,770	33%
PETROLEUM PRODUCTS	-408	-132	-1,014	-324	1,850	48	-	-	17	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-262	-80	-1,014	-324	1,850	2,038	118,865	-35,283	85,788	33%
TOTAL GROSS FLOWS	17,017	5,994	41,936	12,451	1,850	61,512	126,184	16,219	246,003	96%
LOSSES & OMISSIONS	-498	-186	-45	-0	8	805	9,023	1,771	10,876	4%
TOTAL NET USAGE	16,110	5,675	40,876	12,126	1,858	62,317	135,208	-17,292	256,880	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	268	-	130,666	-	130,935	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	268	-	130,666	-	130,935	
NET IMPORTS OF REGION	16,110	5,675	40,876	12,126	1,589	62,317	4,541	-17,292	125,944	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=70.85%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.94%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
			{ALL UNITS IN 10**12 JOULES}							

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	5,966	1,730	-	9,082	-	36,232	589	8,861	62,464	28%
INDUSTRIAL	5,397	2,255	5,453	8,184	-	33,471	12,579	8,463	75,805	34%
TRANSPORTATION	5,576	65	35,203	1,882	-	1,830	-	209	44,768	20%
MISCELLANEOUS USES	224	193	-	155	-	2,685	-	845	4,104	2%

TOTAL FINAL DEMAND SECTORS	17,165	4,244	40,657	19,304	-	74,219	13,169	18,380	187,142	83%

TRANSFORMATION										
ELECTRICITY GEN.	807	1,047	-	-	-	10,071	31,843	-11,545	32,224	14%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	807	1,047	-	-	-	10,071	31,843	-11,545	32,224	14%

TOTAL GROSS FLOWS	17,973	5,291	40,657	19,304	-	84,291	45,012	18,380	219,366	98%
LOSSES & OMISSIONS	-526	-164	-43	-1	-	1,103	3,218	2,007	5,593	2%

TOTAL NET USAGE	17,447	5,127	40,613	19,303	-	85,394	48,231	8,842	224,959	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	61	61	0%
NUCLEAR	-	-	-	-	-	-	-	59,340	59,340	100%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	59,402	59,402	

NET IMPORTS OF REGION	17,447	5,127	40,613	19,303	-	85,394	48,231	-50,559	165,557	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=73.62%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	OTHER GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	3,198	85	-	6,350	-	18,384	259	5,271	33,549	32%
INDUSTRIAL	3,168	133	3,365	2,562	-	10,055	3,572	2,703	26,361	25%
TRANSPORTATION	2,761	1	19,342	2,208	-	1,891	-	58	26,868	26%
MISCELLANEOUS USES	62	5	-	71	-	2,064	-	202	2,405	2%

TOTAL FINAL DEMAND SECTORS	9,190	225	23,314	11,193	-	32,394	3,932	8,235	89,186	85%

TRANSFORMATION										
ELECTRICITY GEN.	414	24	-	-	-	4,698	12,015	-4,133	13,018	12%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	414	24	-	-	-	4,698	12,015	-4,133	13,018	12%

TOTAL GROSS FLOWS	9,605	549	23,814	11,193	-	37,093	15,847	8,235	102,204	98%
LOSSES & OMISSIONS	-281	-17	-25	-0	-	485	1,133	899	2,193	2%

TOTAL NET USAGE	9,323	532	23,798	11,192	-	37,578	16,980	5,001	104,397	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	8,248	8,248	98%
GEO. & SOLAR	-	-	-	-	-	-	-	142	142	2%

TOTAL SUPPLY	-	-	-	-	-	-	-	8,390	8,390	

NET IMPORTS OF REGION	9,323	532	23,798	11,192	-	37,578	16,980	-3,389	96,007	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 75.90%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	3,758	137	-	5,192	-	14,741	347	4,361	28,589	27%
INDUSTRIAL	4,017	417	6,006	3,241	-	9,279	3,102	2,872	28,936	28%
TRANSPORTATION	2,230	36	19,823	1,909	-	1,372	-	51	25,424	24%
MISCELLANEOUS USES	55	15	-	44	-	1,040	-	154	1,310	1%

TOTAL FINAL DEMAND SECTORS	10,062	658	25,829	10,387	-	26,433	3,449	7,439	84,260	81%

TRANSFORMATION										
ELECTRICITY GEN.	162	22	-	-	-	2,561	21,833	-7,004	17,574	17%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	162	22	-	-	-	2,561	21,833	-7,004	17,574	17%

TOTAL GROSS FLOWS	10,225	680	25,829	10,387	-	28,994	25,282	7,439	101,834	97%
LOSSES & OMISSIONS	-299	-21	-27	-0	-	379	1,807	812	2,650	3%

TOTAL NET USAGE	9,925	659	25,802	10,387	-	29,373	27,090	1,246	104,485	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	15	15	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	15	15	

NET IMPORTS OF REGION	9,925	659	25,802	10,387	-	29,373	27,090	1,231	104,469	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=71.50%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	7,406	2,000	-	7,041	-	31,563	757	7,760	56,530	36%
INDUSTRIAL	3,377	1,391	4,207	3,308	-	17,412	4,439	6,034	40,172	26%
TRANSPORTATION	2,649	97	31,245	683	-	552	-	119	35,347	23%
MISCELLANEOUS USES	127	117	-	73	-	850	-	464	1,632	1%

TOTAL FINAL DEMAND SECTORS	13,561	3,606	35,452	11,108	-	50,379	5,196	14,377	133,683	86%

TRANSFORMATION										
ELECTRICITY GEN.	2,821	3,649	-	-	-	4,759	13,873	-6,415	18,688	12%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	2,821	3,649	-	-	-	4,759	13,873	-6,415	18,688	12%

TOTAL GROSS FLOWS	16,383	7,255	35,452	11,108	-	55,138	19,070	14,377	152,372	98%
LOSSES & OMISSIONS	-480	-225	-38	-0	-	721	1,363	1,569	2,910	2%

TOTAL NET USAGE	15,903	7,030	35,414	11,107	-	55,860	20,434	9,532	155,282	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	94	94	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	94	94	

NET IMPORTS OF REGION	15,903	7,030	35,414	11,107	-	55,860	20,434	9,437	155,187	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 74.45%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL		
			(ALL UNITS IN 10**12 JOULES)								

FINAL DEMAND SECTORS											
RESIDENTIAL, COMM.	10,926	539	-	6,848	-	20,292	974	7,379	46,960	41%	
INDUSTRIAL	2,086	380	3,988	2,958	-	9,205	1,301	2,760	22,681	20%	
TRANSPORTATION	2,353	193	27,588	2,792	-	676	-	66	33,669	29%	
MISCELLANEOUS USES	318	61	-	179	-	3,162	-	650	4,372	4%	

TOTAL FINAL DEMAND SECTORS	15,684	1,173	31,576	12,778	-	33,335	2,276	10,857	107,683	93%	

TRANSFORMATION											
ELECTRICITY GEN.	168	6	-	2	-	5,921	2,355	-2,199	6,254	5%	
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-	-	-	-	-	-	-	
SYN-GAS	-	-	-	-	-	-	-	-	-	-	

NET FUEL USED IN TRANSFORMATION	168	6	-	2	-	5,921	2,355	-2,199	6,254	5%	

TOTAL GROSS FLOWS	15,853	1,180	31,576	12,781	-	39,257	4,631	10,857	113,938	99%	
LOSSES & OMISSIONS	-464	-36	-34	-0	-	513	331	1,185	1,494	1%	

TOTAL NET USAGE	15,389	1,143	31,542	12,780	-	39,771	4,962	9,843	115,432		

SUPPLY OF ENERGY											
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-	
HYDROELECTRIC	-	-	-	-	-	-	-	1,109	1,109	100%	
NUCLEAR	-	-	-	-	-	-	-	-	-	-	
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-	

TOTAL SUPPLY	-	-	-	-	-	-	-	1,109	1,109		

NET IMPORTS OF REGION	15,389	1,143	31,542	12,780	-	39,771	4,962	8,733	114,323		

NOTES:

- | | | | |
|---|-------------------------|--------------------|---------|
| 1 | TRANSFORMATION LOSS FOR | ELECTRICITY GEN. | =73.99% |
| 2 | TRANSFORMATION LOSS FOR | PETROLEUM PRODUCTS | = 0.0 % |
| 3 | TRANSFORMATION LOSS FOR | NATURAL GAS | = 0.0 % |
| 4 | TRANSFORMATION LOSS FOR | SYN-GAS | = 0.0 % |

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COME.	45,824	1,960	-	29,414	-	83,450	4,222	30,100	194,973	33%
INDUSTRIAL	7,033	2,523	7,208	16,793	-	64,521	12,144	19,093	129,318	22%
TRANSPORTATION	14,256	978	113,514	13,294	-	3,623	-	459	146,127	25%
MISCELLANEOUS USES	842	131	-	392	-	5,843	-	1,414	9,625	2%
TOTAL FINAL DEMAND SECTORS	57,957	5,594	120,722	59,894	-	158,438	16,367	51,069	480,044	82%
TRANSFORMATION										
ELECTRICITY GEN.	27	2,250	-	-	-	5,786	121,179	-40,450	88,794	15%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	27	2,250	-	-	-	5,786	121,179	-40,450	88,794	15%
TOTAL GROSS FLOWS	67,984	7,845	120,722	59,894	-	164,224	137,546	51,069	568,838	97%
LOSSES & OMISSIONS	-1,992	-244	-130	-3	-	2,149	9,836	5,576	15,192	3%
TOTAL NET USAGE	65,992	7,601	120,592	59,891	-	166,374	147,383	16,194	584,030	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	-	-	-
NET IMPORTS OF REGION	55,992	7,601	120,592	59,891	-	166,374	147,383	16,194	584,030	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 8.70%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0%
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
(ALL UNITS IN 10**12 JOULES)									
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	19,289	685	-	12,677	-	42,034	1,656	13,010	89,354 29%
INDUSTRIAL	5,699	2,616	5,941	7,157	-	47,243	27,514	14,884	111,057 36%
TRANSPORTATION	6,030	338	55,858	6,961	-	1,542	-	182	70,914 23%
MISCELLANEOUS USES	646	179	-	175	-	2,645	-	616	4,263 1%
TOTAL FINAL DEMAND SECTORS	31,665	3,820	61,800	26,972	-	93,466	29,170	28,693	275,589 90%
TRANSFORMATION									
ELECTRICITY GEN.	736	117	-	-	-	1,619	28,875	-8,549	22,798 7%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	736	117	-	-	-	1,619	28,875	-8,549	22,798 7%
TOTAL GROSS FLOWS	32,401	3,937	61,800	26,972	-	95,035	58,045	28,693	298,387 98%
LOSSES & OMISSIONS	-949	-122	-56	-1	-	1,244	4,150	3,133	7,388 2%
TOTAL NET USAGE	31,451	3,815	61,733	26,970	-	96,330	62,196	23,277	305,776
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	2,385	2,385 6%
NUCLEAR	-	-	-	-	-	-	-	36,104	36,104 94%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	38,490	38,490
NET IMPORTS OF REGION	31,451	3,815	61,733	26,970	-	96,330	62,195	-15,213	267,285

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 72.73%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DESTILLATE GIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
(ALL UNITS IN 10**12 JOULES)									
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	7,993	302	-	5,224	-	4,336	755	5,124	33,736 25%
INDUSTRIAL	2,396	1,051	3,526	2,809	-	5,123	11,493	4,534	40,935 30%
TRANSPORTATION	2,611	146	21,496	1,838	-	562	-	80	26,735 20%
MISCELLANEOUS USES	111	20	-	58	-	1,026	-	212	1,428 1%
TOTAL FINAL DEMAND SECTORS	13,113	1,521	25,022	9,930	-	11,049	12,248	9,950	102,836 76%
TRANSFORMATION									
ELECTRICITY GEN.	163	243	-	-	-	5,095	32,349	-9,766	28,086 21%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	163	243	-	-	-	5,095	32,349	-9,766	28,086 21%
TOTAL GROSS FLOWS	13,276	1,764	25,022	9,930	-	16,144	44,597	9,950	130,922 97%
LOSSES & OMISSIONS	-389	-54	-27	-0	-	473	3,189	1,086	4,277 3%
TOTAL NET USAGE	12,887	1,709	24,995	9,930	-	16,617	47,787	1,271	135,200
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	1,215	1,215 100%
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	1,215	1,215
NET IMPORTS OF REGION	12,887	1,709	24,995	9,930	-	16,617	47,787	56	133,985

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=74.20%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
(ALL UNITS IN 10**12 JOULES)									
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	8,403	359	-	6,249	-	16,619	459	5,779	37,871 16%
INDUSTRIAL	7,709	2,948	1,716	3,552	-	57,269	20,564	12,375	106,135 45%
TRANSPORTATION	4,843	393	24,517	4,673	-	933	-	144	35,506 15%
MISCELLANEOUS USES	291	31	-	110	-	1,122	-	331	1,887 1%
TOTAL FINAL DEMAND SECTORS	21,247	3,732	26,233	14,586	-	75,944	21,024	18,630	181,401 77%
TRANSFORMATION									
ELECTRICITY GEN.	100	3,365	-	-	-	2,100	52,944	-14,324	44,186 19%
PETROLEUM PRODUCTS	-30,230	-3,759	-56,646	-21,166	110,840	8,109	-	-	1,146 0%
NATURAL GAS	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-30,130	-5,393	-56,646	-21,166	110,840	10,209	52,944	-14,324	45,333 19%
TOTAL GROSS FLOWS	21,348	7,098	26,233	14,586	110,840	86,153	73,968	18,630	226,734 97%
LOSSES & OMISSIONS	-625	-220	-28	-0	480	1,127	5,289	2,034	8,056 3%
TOTAL NET USAGE	-9,508	-2,880	-30,441	-6,580	111,321	87,281	79,258	6,341	234,791
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	1,870	1,870 100%
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	1,870	1,870
NET IMPORTS OF REGION	-9,508	-2,880	-30,441	-6,580	111,321	87,281	79,258	4,470	232,921

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 75.52%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.96%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	5,153	212	-	3,325	-	9,342	477	3,359	21,871	40%
INDUSTRIAL	1,145	255	2,374	1,165	-	4,864	1,129	1,515	12,450	23%
TRANSPORTATION	1,420	91	13,651	1,067	-	337	-	43	16,612	31%
MISCELLANEOUS USES	73	15	-	45	-	819	-	168	1,123	2%
TOTAL FINAL DEMAND SECTORS	7,793	574	16,025	5,604	-	15,364	1,607	5,087	52,057	96%
TRANSFORMATION										
ELECTRICITY GEN.	1,979	-	-	-	-	59	-	-489	1,549	3%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	1,979	-	-	-	-	59	-	-489	1,549	3%
TOTAL GROSS FLOWS	9,773	574	16,025	5,604	-	15,423	1,607	5,087	53,606	99%
LOSSES & OMISSIONS	-286	-17	-17	-0	-	201	114	555	550	1%
TOTAL NET USAGE	9,487	556	16,008	5,603	-	15,625	1,722	5,153	54,157	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	2,092	2,092	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	2,092	2,092	
NET IMPORTS OF REGION	9,487	556	16,008	5,603	-	15,625	1,722	3,060	52,064	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 76.00%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	5,889	241	-	3,987	-	10,737	489	3,877	25,223	28%
INDUSTRIAL	1,849	274	3,800	1,739	-	4,660	2,237	1,906	16,466	18%
TRANSPORTATION	1,965	118	16,616	1,943	-	394	-	61	21,099	23%
MISCELLANEOUS USES	176	22	-	65	-	1,041	-	227	1,532	2%
TOTAL FINAL DEMAND SECTORS	9,880	656	20,416	7,735	-	16,833	2,726	6,072	64,321	71%
TRANSFORMATION										
ELECTRICITY GEN.	779	41	-	-	-	29	31,314	-9,272	22,892	25%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	779	41	-	-	-	29	31,314	-9,272	22,892	25%
TOTAL GROSS FLOWS	10,659	697	20,416	7,735	-	16,863	34,041	6,072	97,213	97%
LOSSES & OMISSIONS	-312	-21	-22	-0	-	220	2,434	663	2,961	3%
TOTAL NET USAGE	10,347	675	20,394	7,735	-	17,083	36,475	-2,537	90,175	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	432	432	31%
NUCLEAR	-	-	-	-	-	-	-	951	951	69%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	1,383	1,383	
NET IMPORTS OF REGION	10,347	675	20,394	7,735	-	17,083	36,475	-3,921	88,791	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 71.17%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	5,066	257	-	3,875	-	9,687	222	3,585	22,694	34%
INDUSTRIAL	2,572	686	3,922	1,986	-	4,412	2,451	1,722	17,754	27%
TRANSPORTATION	1,348	87	14,745	535	-	158	-	43	16,917	26%
MISCELLANEOUS USES	36	13	-	37	-	391	-	118	598	1%
TOTAL FINAL DEMAND SECTORS	9,023	1,045	18,667	6,435	-	14,649	2,673	5,469	57,964	88%
TRANSFORMATION										
ELECTRICITY GEN.	103	1,028	-	-	-	5,078	3,494	-2,518	7,186	11%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	103	1,028	-	-	-	5,078	3,494	-2,518	7,186	11%
TOTAL GROSS FLOWS	9,127	2,073	18,667	6,435	-	19,727	6,168	5,469	65,150	99%
LOSSES & OMISSIONS	-267	-64	-20	-0	-	258	441	597	944	1%
TOTAL NET USAGE	8,859	2,009	18,647	6,434	-	19,986	6,609	3,547	66,094	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	32	32	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	32	32	
NET IMPORTS OF REGION	8,859	2,009	18,647	6,434	-	19,986	6,609	3,514	66,062	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=74.05%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	62,695	3,414	-	47,433	-	120,730	2,834	45,189	282,296	34%
INDUSTRIAL	18,513	17,856	28,028	36,732	-	54,239	25,114	20,495	200,981	24%
TRANSPORTATION	28,707	3,596	176,083	22,929	-	5,576	-	1,070	237,964	28%
MISCELLANEOUS USES	776	206	-	590	-	6,002	-	1,805	9,382	1%
TOTAL FINAL DEMAND SECTORS	110,692	25,074	204,112	107,685	-	186,549	27,949	68,561	730,625	87%
TRANSFORMATION										
ELECTRICITY GEN.	3,995	1,958	-	3,529	-	17,872	101,529	-34,214	94,671	11%
PETROLEUM PRODUCTS	-28,994	-9,361	-64,679	-20,898	116,436	7,767	-	-	270	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-24,998	-7,402	-64,679	-17,369	116,436	25,640	101,529	-34,214	94,941	11%
TOTAL GROSS FLOWS	114,688	27,033	204,112	111,214	116,436	212,189	129,478	68,561	825,566	98%
LOSSES & OMISSIONS	-3,360	-840	-220	-6	505	2,777	9,259	7,486	15,599	2%
TOTAL NET USAGE	82,333	15,831	139,212	90,309	116,941	214,967	138,737	41,833	841,166	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	1,500	1,500	4%
NUCLEAR	-	-	-	-	-	-	-	35,103	35,103	96%
GEO. & SOLAR	-	-	-	-	-	-	-	12	12	0%
TOTAL SUPPLY	-	-	-	-	-	-	-	36,617	36,617	
NET IMPORTS OF REGION	82,333	16,831	139,212	90,309	116,941	214,957	138,737	5,216	304,549	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 73.45%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.22%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	3,951	140	-	3,630	-	7,933	403	3,431	19,490	33%
INDUSTRIAL	3,712	259	4,522	1,094	-	1,389	453	724	12,256	21%
TRANSPORTATION	3,033	43	14,160	6,374	-	221	-	75	23,909	41%
MISCELLANEOUS USES	277	11	-	105	-	691	-	259	1,345	2%
TOTAL FINAL DEMAND SECTORS	10,975	454	18,782	11,205	-	10,235	857	4,491	57,002	97%
TRANSFORMATION										
ELECTRICITY GEN.	13	-	-	-	-	-	1,735	-304	1,444	2%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	13	-	-	-	-	-	1,735	-304	1,444	2%
TOTAL GROSS FLOWS	10,988	454	18,782	11,205	-	10,235	2,592	4,491	58,446	99%
LOSSES & OMISSIONS	-322	-14	-20	-0	-	133	185	490	452	1%
TOTAL NET USAGE	10,666	440	18,762	11,204	-	10,369	2,778	4,676	58,899	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	10	10	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	10	10	
NET IMPORTS OF REGION	10,666	440	18,752	11,204	-	10,369	2,778	4,666	58,888	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 82.57%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,600	93	-	3,059	-	6,581	367	2,908	15,611	25%
INDUSTRIAL	4,144	343	4,395	1,326	-	2,178	95	849	13,333	21%
TRANSPORTATION	2,886	4	12,362	6,872	-	237	-	61	22,423	36%
MISCELLANEOUS USES	308	12	-	109	-	778	-	260	1,469	2%
TOTAL FINAL DEMAND SECTORS	9,939	454	16,757	11,368	-	9,775	463	4,078	52,838	84%
TRANSFORMATION										
ELECTRICITY GEN.	5	2	-	-	-	258	9,610	-1,741	8,134	13%
PETROLEUM PRODUCTS	-3,317	-1,045	-5,838	-1,815	11,129	799	-	-	-87	0%
NATURAL GAS	-	-	-	-7,658	-	8,273	-	-	614	1%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-3,312	-1,043	-5,838	-9,474	11,129	9,331	9,610	-1,741	8,662	14%
TOTAL GROSS FLOWS	9,944	456	16,757	11,368	11,129	19,107	10,073	4,078	61,587	98%
LOSSES & OMISSIONS	-291	-14	-18	-0	48	250	720	445	1,139	2%
TOTAL NET USAGE	6,335	-602	10,901	1,893	11,177	19,357	10,793	2,782	62,639	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	119,645	14,655	26,402	-	160,703	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEOL. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	119,645	14,655	26,402	-	160,703	
NET IMPORTS OF REGION	6,335	-602	10,901	1,893	-108,468	4,702	-15,608	2,782	-98,064	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=82.37%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-0.73%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, CGMH.	2,418	233	-	4,753	-	13,320	42	3,917	24,685	29%
INDUSTRIAL	2,317	791	3,212	4,791	-	12,091	125	6,173	29,503	35%
TRANSPORTATION	5,443	82	16,502	3,187	-	761	3	106	26,187	31%
MISCELLANEOUS USES	256	804	-	140	-	2,576	9	330	4,117	5%

TOTAL FINAL DEMAND SECTORS	10,436	1,911	19,315	12,873	-	28,749	180	10,527	84,494	100%

TRANSFORMATION										
ELECTRICITY GEN.	-	-	-	-	-	-	-	-	-	-
PETROLEUM PRODUCTS	-8,108	-2,458	-15,195	-6,904	29,960	1,585	-	-	-1,121	3%
NATURAL GAS	-	-	-	-1,294	-	1,398	-	-	104	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-8,108	-2,458	-15,195	-8,198	29,960	2,984	-	-	-1,016	0%

TOTAL GROSS FLOWS	10,436	1,911	19,815	12,873	29,960	31,733	180	10,527	84,599	100%
LOSSES & OMISSIONS	-305	-59	-21	-0	129	415	12	1,149	1,320	2%

TOTAL NET USAGE	2,022	-606	4,538	4,674	30,090	32,149	193	11,677	84,798	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	32,187	22,290	-	-	54,477	85%
HYDROELECTRIC	-	-	-	-	-	-	-	9,510	9,510	15%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	32,187	22,290	-	9,510	63,987	

NET IMPORTS OF REGION	2,022	-606	4,598	4,674	-2,096	9,859	193	2,167	20,810	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 0.0 %
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= -3.55%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.47%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	3,151	411	-	5,816	-	16,299	108	4,591	30,379	21%
INDUSTRIAL	3,658	984	3,437	19,435	-	23,569	117	4,518	55,720	39%
TRANSPORTATION	8,485	102	21,649	4,227	-	1,736	7	157	36,366	26%
MISCELLANEOUS USES	109	69	-	64	-	1,532	9	161	1,947	1%

TOTAL FINAL DEMAND SECTORS	15,405	1,567	25,087	29,543	-	43,138	242	9,428	124,413	88%

TRANSFORMATION										
ELECTRICITY GEN.	4	10	-	216	-	965	17,950	-4,949	14,201	10%
PETROLEUM PRODUCTS	-5,558	-1,685	-8,147	-3,390	17,686	1,099	-	-	4	0%
NATURAL GAS	-	-	-	-2,524	-	2,726	-	-	202	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-5,554	-1,675	-8,147	-5,698	17,686	4,795	17,950	-4,949	14,408	10%

TOTAL GROSS FLOWS	15,409	1,577	25,097	29,760	17,686	47,933	18,193	9,428	138,822	98%
LOSSES & OMISSIONS	-451	-49	-27	-1	76	627	1,301	1,029	2,505	2%

TOTAL NET USAGE	9,399	-156	16,913	23,844	17,763	48,568	19,494	5,509	141,327	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	449,235	49,143	495,328	-	993,707	99%
HYDROELECTRIC	-	-	-	-	-	-	-	10,309	10,309	1%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	449,235	49,143	495,328	10,309	1,004,016	

NET IMPORTS OF REGION	9,399	-156	16,913	23,844	-431,472	-582	-475,834	-4,800	-862,689	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 74.16%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.02%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,262	64	-	2,416	-	4,872	351	2,378	12,345	13%
INDUSTRIAL	4,587	844	1,810	5,445	-	1,585	77	597	17,948	19%
TRANSPORTATION	1,964	1	10,437	4,104	-	108	-	40	16,655	17%
MISCELLANEOUS USES	227	7	-	46	-	324	-	138	744	1%
TOTAL FINAL DEMAND SECTORS	9,041	917	15,248	12,013	-	6,891	428	3,153	47,693	49%

TRANSFORMATION										
ELECTRICITY GEN.	-	41	-	-	-	84	59,551	-16,770	42,907	44%
PETROLEUM PRODUCTS	-23,558	-7,637	-39,779	-8,365	73,994	6,355	-	-	1,037	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-23,558	-7,566	-39,779	-8,365	73,994	6,439	59,551	-16,770	43,945	46%
TOTAL GROSS FLOWS	9,041	958	15,248	12,013	73,994	13,330	59,980	3,153	91,638	95%
LOSSES & OMISSIONS	-264	-29	-16	-0	320	174	4,289	344	4,817	5%
TOTAL NET USAGE	-14,782	-6,678	-24,547	3,646	74,315	13,505	64,269	-13,272	96,456	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	38,684	15,242	107,643	-	161,570	93%
HYDROELECTRIC	-	-	-	-	-	-	-	12,040	12,040	7%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	38,684	15,242	107,643	12,040	173,611	

NET IMPORTS OF REGION	-14,782	-6,678	-24,547	3,646	35,630	-1,737	-43,373	-25,312	-77,155	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=71.90%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.29%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COM. &	6,391	243	-	5,495	-	12,508	604	5,423	30,667	30%
INDUSTRIAL	6,494	349	8,094	1,679	-	1,766	778	1,075	20,238	20%
TRANSPORTATION	4,189	74	22,237	7,422	-	320	-	108	34,353	33%
MISCELLANEOUS USES	271	15	-	73	-	570	-	219	1,150	1%
TOTAL FINAL DEMAND SECTORS	17,346	683	30,331	14,671	-	15,166	1,382	6,827	86,410	84%
TRANSFORMATION										
ELECTRICITY GEN.	24	-	-	-	-	-	16,248	-2,996	13,275	13%
PETROLEUM PRODUCTS	-55,923	-18,056	-124,752	-40,308	224,580	14,982	-	-	523	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-55,899	-18,056	-124,752	-40,308	224,580	14,982	16,248	-2,996	13,798	13%
TOTAL GROSS FLOWS	17,370	683	30,331	14,671	224,580	30,149	17,630	6,827	100,209	97%
LOSSES & OMISSIONS	-509	-21	-32	-0	974	394	1,260	745	2,811	3%
TOTAL NET USAGE	-39,061	-17,393	-94,453	-25,637	225,554	30,543	18,891	4,576	103,020	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	51	51	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	51	51	
NET IMPORTS OF REGION	-39,061	-17,393	-94,453	-25,637	225,554	30,543	18,891	4,524	102,968	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 81.58%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.22%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,202	11	-	2,843	-	4,135	47	1,956	11,197	30%
INDUSTRIAL	3,903	74	2,623	891	-	262	-	336	8,092	22%
TRANSPORTATION	1,473	2	13,169	5,285	-	93	-	28	17,052	45%
MISCELLANEOUS USES	26	1	-	42	-	184	-	129	383	1%

TOTAL FINAL DEMAND SECTORS	7,606	89	12,792	9,062	-	4,676	47	2,451	36,727	98%

TRANSFORMATION										
ELECTRICITY GEN.	44	-	-	-	-	539	277	-178	682	2%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	44	-	-	-	-	539	277	-178	682	2%

TOTAL GROSS FLOWS	7,650	89	12,792	9,062	-	5,215	324	2,451	37,409	100%
LOSSES & OMISSIONS	-224	-2	-13	-0	-	68	23	267	117	0%

TOTAL NET USAGE	7,426	86	12,778	9,062	-	5,284	348	2,540	37,527	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	-	-	-

NET IMPORTS OF REGION	7,426	86	12,778	9,062	-	5,284	348	2,540	37,527	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 73.29%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	6,286	125	-	7,139	-	12,945	195	5,419	32,112	32%
INDUSTRIAL	7,293	658	6,889	2,822	-	2,789	652	1,596	22,704	23%
TRANSPORTATION	2,682	33	25,753	9,812	-	308	-	64	38,655	39%
MISCELLANEOUS USES	73	7	-	88	-	555	-	267	993	1%
TOTAL FINAL DEMAND SECTORS	16,336	824	32,643	19,863	-	16,599	848	7,348	94,465	95%
TRANSFORMATION										
ELECTRICITY GEN.	188	984	-	-	-	3,190	1,126	-1,279	4,210	4%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	188	984	-	-	-	3,190	1,126	-1,279	4,210	4%
TOTAL GROSS FLOWS	16,525	1,808	32,643	19,863	-	19,790	1,974	7,348	98,676	99%
LOSSES & OMISSIONS	-484	-56	-35	-1	-	259	141	802	625	1%
TOTAL NET USAGE	16,041	1,752	32,608	19,862	-	20,049	2,115	6,871	99,302	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	-	-	-
NET IMPORTS OF REGION	16,041	1,752	32,608	19,862	-	20,049	2,115	6,871	99,302	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 76.70%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0%
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DIESTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
[ALL UNITS IN 10**12 JOULES]										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	3,977	55	-	5,222	-	7,919	98	3,543	20,816	22%
INDUSTRIAL	5,223	375	3,436	1,672	-	3,585	15	1,345	15,657	17%
TRANSPORTATION	2,377	4	17,884	8,976	-	277	1	41	29,561	31%
MISCELLANEOUS USES	363	5	-	151	-	676	1	415	1,613	2%
TOTAL FINAL DEMAND SECTORS	11,942	440	21,322	16,023	-	12,458	116	5,345	67,649	72%
TRANSFORMATION										
ELECTRICITY GEN.	294	22	-	-	-	5	31,002	-7,383	23,940	25%
PETROLEUM PRODUCTS	-5,335	-1,618	-7,819	-3,254	16,974	1,054	-	-	3	0%
NATURAL GAS	-	-	-	-349	-	376	-	-	27	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-5,040	-1,595	-7,819	-3,603	16,974	1,436	31,002	-7,383	23,971	25%
TOTAL GROSS FLOWS	12,236	463	21,322	16,023	16,974	13,894	31,118	5,345	91,620	97%
LOSSES & OMISSIONS	-358	-14	-23	-0	73	181	2,225	583	2,667	3%
TOTAL NET USAGE	6,542	-1,169	13,480	12,419	17,048	14,076	33,344	-1,454	94,288	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	40,285	2,077	-	-	42,363	67%
HYDROELECTRIC	-	-	-	-	-	-	-	20,654	20,654	33%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	40,285	2,077	-	20,654	63,017	
NET IMPORTS OF REGION	6,542	-1,169	13,480	12,419	-23,237	11,998	33,344	-22,108	31,270	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 76.43%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.02%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.28%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
[ALL UNITS IN 10**12 JOULES]										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	795	66	-	2,067	-	5,361	26	1,662	9,979	20%
INDUSTRIAL	3,556	28	1,710	1,746	-	3,277	311	886	11,517	23%
TRANSPORTATION	1,768	60	7,230	1,246	-	597	-	31	11,035	22%
MISCELLANEOUS USES	43	5	-	21	-	358	1	83	512	1%
TOTAL FINAL DEMAND SECTORS	6,164	160	8,941	5,082	-	9,694	338	2,663	33,044	67%
TRANSFORMATION										
ELECTRICITY GEN.	71	834	-	-	-	3,493	112	-1,037	3,474	7%
PETROLEUM PRODUCTS	-2,616	-331	-5,568	-2,507	22,748	473	-	-	12,198	25%
NATURAL GAS	-	-	-	-939	-	1,015	-	-	75	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-2,545	503	-5,568	-3,447	22,748	4,982	112	-1,037	15,749	32%
TOTAL GROSS FLOWS	6,235	994	8,941	5,082	22,748	14,677	451	2,663	48,793	99%
LOSSES & OMISSIONS	-182	-30	-9	-0	98	192	32	290	390	1%
TOTAL NET USAGE	3,436	632	3,363	1,634	22,847	14,869	483	1,916	49,184	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	23,987	4,298	-	-	28,285	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	23,987	4,298	-	-	28,285	
NET IMPORTS OF REGION	3,436	632	3,363	1,634	-1,139	10,571	483	1,916	20,898	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=77.00%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=52.53%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.48%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,206	109	-	5,279	-	16,563	32	5,395	30,587	27%
INDUSTRIAL	11,943	139	5,627	5,798	-	9,629	1,402	2,773	37,313	32%
TRANSPORTATION	5,348	220	21,489	4,213	-	2,307	-	109	33,690	29%
MISCELLANEOUS USES	109	7	-	68	-	1,103	-	297	1,586	1%
TOTAL FINAL DEMAND SECTORS	19,608	476	27,116	15,359	-	29,603	1,435	8,575	103,177	90%
TRANSFORMATION										
ELECTRICITY GEN.	414	3,126	-	-	-	11,367	184	-4,019	11,073	10%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	414	3,126	-	-	-	11,367	184	-4,019	11,073	10%
TOTAL GROSS FLOWS	20,023	3,603	27,116	15,359	-	40,971	1,620	8,575	114,250	99%
LOSSES & OMISSIONS	-586	-112	-29	-0	-	536	115	936	859	1%
TOTAL NET USAGE	19,436	3,491	27,087	16,358	-	41,507	1,736	5,492	115,110	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	12,991	2	-	-	12,994	92%
HYDROELECTRIC	-	-	-	-	-	-	-	1,197	1,197	8%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	12,991	2	-	1,197	14,191	
NET IMPORTS OF REGION	19,436	3,491	27,087	16,358	-12,991	41,505	1,736	4,294	100,918	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 73.37%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
	(ALL UNITS IN 10**12 JOULES)								
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	4,309	105	-	8,767	-	21,966	219	7,007	42,375 26%
INDUSTRIAL	12,792	413	8,907	6,402	-	11,915	3,030	3,389	46,851 29%
TRANSPORTATION	5,071	22	30,900	4,710	-	2,710	-	111	43,527 27%
MISCELLANEOUS USES	105	7	-	98	-	2,034	-	323	2,569 2%
TOTAL FINAL DEMAND SECTORS	22,279	548	39,808	19,978	-	38,626	3,249	10,831	135,323 84%
TRANSFORMATION									
ELECTRICITY GEN.	325	572	-	-	-	6,923	24,616	-9,842	22,596 14%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	325	572	-	-	-	6,923	24,616	-9,842	22,596 14%
TOTAL GROSS FLOWS	22,605	1,121	39,808	19,978	-	45,550	27,866	10,831	157,920 98%
LOSSES & OMISSIONS	-662	-34	-42	-1	-	596	1,992	1,182	3,030 2%
TOTAL NET USAGE	21,942	1,086	39,765	19,977	-	46,146	29,859	2,172	160,950
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	10,522	10,522 100%
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	10,522	10,522
NET IMPORTS OF REGION	21,942	1,086	39,765	19,977	-	46,146	29,859	-8,350	150,427

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.66%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,428	60	-	4,952	-	13,864	203	3,987	25,495	32%
INDUSTRIAL	4,090	300	5,522	2,928	-	6,983	2,486	1,968	24,280	30%
TRANSPORTATION	2,876	2	17,437	1,601	-	1,467	-	64	23,449	29%
MISCELLANEOUS USES	46	4	-	56	-	1,662	-	163	1,933	2%

TOTAL FINAL DEMAND SECTORS	9,441	367	22,960	9,538	-	23,977	2,689	6,193	75,158	94%

TRANSFORMATION										
ELECTRICITY GEN.	162	-	-	-	-	2,509	2,327	-1,175	3,824	5%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	162	-	-	-	-	2,509	2,327	-1,175	3,824	5%

TOTAL GROSS FLOWS	9,603	367	22,960	9,538	-	26,437	5,017	6,183	78,983	99%
LOSSES & OMISSIONS	-281	-11	-24	-0	-	346	358	675	1,062	1%

TOTAL NET USAGE	9,322	355	22,936	9,537	-	26,833	5,376	5,683	80,045	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	-	-	-

NET IMPORTS OF REGION	9,322	355	22,936	9,537	-	26,833	5,376	5,683	80,045	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=76.50%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	3,923	94	-	8,038	-	22,371	331	6,434	41,194	33%
INDUSTRIAL	5,455	458	6,960	4,084	-	12,316	4,224	3,456	36,956	29%
TRANSPORTATION	3,930	2	26,730	2,875	-	2,499	-	82	36,120	29%
MISCELLANEOUS USES	66	5	-	77	-	2,223	-	218	2,590	2%
TOTAL FINAL DEMAND SECTORS	13,375	561	33,691	15,075	-	39,411	4,555	10,191	116,862	93%
TRANSFORMATION										
ELECTRICITY GEN.	674	70	-	-	-	6,410	2,721	-2,672	7,203	6%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	674	70	-	-	-	6,410	2,721	-2,672	7,203	6%
TOTAL GROSS FLOWS	14,049	631	33,691	15,075	-	45,821	7,277	10,191	124,065	99%
LOSSES & OMISSIONS	-411	-19	-36	-0	-	599	520	1,112	1,764	1%
TOTAL NET USAGE	13,638	612	33,654	15,074	-	46,421	7,797	8,631	125,829	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	3	3	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	3	3	
NET IMPORTS OF REGION	13,638	612	33,654	15,074	-	46,421	7,797	8,628	125,826	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=72.94%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	7,711	212	-	15,242	-	44,408	620	12,728	90,923	31%
INDUSTRIAL	7,578	771	9,599	6,649	-	22,653	7,929	6,020	61,303	24%
TRANSPORTATION	9,592	5	48,511	7,225	-	6,239	-	207	72,081	28%
MISCELLANEOUS USES	197	15	-	224	-	6,455	-	633	7,528	3%
TOTAL FINAL DEMAND SECTORS	25,079	1,004	58,511	29,342	-	79,757	8,550	19,590	221,836	86%
TRANSFORMATION										
ELECTRICITY GEN.	1,276	508	-	-	-	19,678	18,487	-9,331	30,618	12%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	1,276	508	-	-	-	19,678	18,487	-9,331	30,618	12%
TOTAL GROSS FLOWS	26,356	1,512	58,511	29,342	-	99,435	27,037	19,590	252,455	98%
LOSSES & OMISSIONS	-772	-47	-53	-1	-	1,301	1,933	2,139	4,490	2%
TOTAL NET USAGE	25,583	1,465	58,448	29,340	-	100,737	28,971	12,398	256,945	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	14,945	-	14,945	100%
HYDROELECTRIC	-	-	-	-	-	-	-	36	36	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	14,945	36	14,982	
NET IMPORTS OF REGION	25,533	1,465	58,448	29,340	-	100,737	14,025	12,361	241,963	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 76.64%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
			(ALL UNITS IN 10**12 JOULES)							
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	6,488	282	-	15,834	-	43,263	229	13,753	79,852	27%
INDUSTRIAL	9,771	784	8,058	8,331	-	29,270	5,703	6,660	68,580	23%
TRANSPORTATION	16,788	478	48,705	16,867	-	8,513	-	376	91,729	31%
MISCELLANEOUS USES	573	17	-	304	-	3,853	-	1,089	5,839	2%
TOTAL FINAL DEMAND SECTORS	33,621	1,564	56,764	41,338	-	84,900	5,933	21,879	246,002	84%
TRANSFORMATION										
ELECTRICITY GEN.	308	464	-	-	-	21,436	34,992	-16,025	41,176	14%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	308	464	-	-	-	21,436	34,992	-16,025	41,176	14%
TOTAL GROSS FLOWS	33,929	2,028	56,764	41,338	-	106,337	40,926	21,879	287,178	98%
LOSSES & OMISSIONS	-994	-63	-61	-2	-	1,391	2,926	2,389	5,586	2%
TOTAL NET USAGE	32,935	1,965	56,702	41,336	-	107,729	43,852	8,243	292,765	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	390	390	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEOT. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	390	390	
NET IMPORTS OF REGION	32,935	1,965	56,702	41,336	-	107,729	43,852	7,852	292,374	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 71.98%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DESTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,555	133	-	6,446	-	17,641	33	5,826	32,638	30%
INDUSTRIAL	7,848	62	4,024	4,613	-	12,318	2,216	2,712	33,897	31%
TRANSPORTATION	4,772	77	20,115	3,712	-	2,026	-	99	30,903	28%
MISCELLANEOUS USES	174	11	-	108	-	1,754	-	473	2,522	2%
TOTAL FINAL DEMAND SECTORS	15,351	485	24,139	14,882	-	33,740	2,249	9,112	99,961	91%
TRANSFORMATION										
ELECTRICITY GEN.	709	90	-	-	-	5,714	5,111	-3,539	8,087	7%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	709	90	-	-	-	5,714	5,111	-3,539	8,087	7%
TOTAL GROSS FLOWS	16,061	575	24,139	14,882	-	39,455	7,361	9,112	108,048	99%
LOSSES & OMISSIONS	-470	-17	-26	-0	-	516	526	994	1,522	1%
TOTAL NET USAGE	15,590	558	24,113	14,881	-	39,972	7,887	6,567	109,570	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	221	-	-	-	221	2%
HYDROELECTRIC	-	-	-	-	-	-	-	5	5	0%
NUCLEAR	-	-	-	-	-	-	-	13,872	13,872	98%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	221	-	-	13,877	14,099	
NET IMPORTS OF REGION	15,590	558	24,113	14,881	-221	39,972	7,887	-7,310	95,471	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 69.55%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	888	141	-	5,815	-	17,460	-	6,273	30,578	20%
INDUSTRIAL	7,896	775	6,436	11,629	-	28,225	290	3,285	58,538	38%
TRANSPORTATION	3,396	5	27,625	1,951	-	6,091	-	131	39,212	25%
MISCELLANEOUS USES	55	11	-	78	-	2,627	-	124	2,897	2%

TOTAL FINAL DEMAND SECTORS	12,236	933	34,061	19,484	-	54,404	290	9,815	131,226	84%

TRANSFORMATION										
ELECTRICITY GEN.	1,163	1,814	-	-	-	18,727	-	-5,621	16,084	10%
PETROLEUM PRODUCTS	-43,804	-5,571	-93,252	-29,249	165,924	8,397	-	-	2,442	2%
NATURAL GAS	-	-	-	-41,149	-	44,451	-	-	3,301	2%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-42,641	-3,757	-93,252	-70,399	165,924	71,576	-	-5,621	21,829	14%

TOTAL GROSS FLOWS	13,400	2,747	34,061	19,484	165,924	125,980	290	9,815	153,055	98%
LOSSES & OMISSIONS	-392	-85	-36	-1	719	1,649	20	1,071	2,945	2%

TOTAL NET USAGE	-30,797	-2,909	-59,227	-50,916	166,643	127,630	310	5,266	156,000	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	199,166	3,718	-	-	202,884	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	199,166	3,718	-	-	202,884	

NET IMPORTS OF REGION	-30,797	-2,909	-59,227	-50,916	-32,522	123,911	310	5,266	-46,883	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=74.10%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.40%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	1,881	299	-	12,187	-	36,625	-	13,206	64,200	19%
INDUSTRIAL	8,008	2,000	6,476	24,780	-	47,960	871	7,236	97,334	29%
TRANSPORTATION	6,627	13	48,551	5,846	-	16,802	-	281	78,123	23%
MISCELLANEOUS USES	176	33	-	205	-	5,299	-	277	5,992	2%
TOTAL FINAL DEMAND SECTORS	16,693	2,347	55,027	43,019	-	106,688	871	21,002	245,651	73%
TRANSFORMATION										
ELECTRICITY GEN.	6,105	16,732	-	-	-	75,328	-	-29,343	58,822	21%
PETROLEUM PRODUCTS	-111,886	-14,231	-238,186	-74,709	423,804	21,449	-	-	6,240	2%
NATURAL GAS	-	-	-	-85,855	-	92,744	-	-	6,888	2%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-105,781	2,500	-238,186	-160,564	423,804	189,522	-	-29,343	81,951	25%
TOTAL GROSS FLOWS	22,798	19,080	55,027	43,019	423,804	296,210	871	21,002	327,602	98%
LOSSES & OMISSIONS	-668	-593	-59	-2	1,838	3,877	62	2,293	6,747	2%
TOTAL NET USAGE	-89,756	4,255	-183,217	-117,547	425,642	300,088	933	-6,048	334,350	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	146,737	990,586	-	-	1,137,323	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	146,737	990,586	-	-	1,137,323	
NET IMPORTS OF REGION	-89,756	4,255	-183,217	-117,547	278,905	-690,497	933	-6,048	-802,972	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 70.11%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.40%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	11,773	2,564	-	38,726	-	119,027	666	40,297	213,056	23%
INDUSTRIAL	15,408	5,809	15,183	41,833	-	83,952	12,696	18,603	193,488	21%
TRANSPORTATION	30,903	236	155,427	29,152	-	52,113	-	1,570	269,406	29%
MISCELLANEOUS USES	1,287	436	-	1,163	-	19,793	-	1,807	24,489	3%
TOTAL FINAL DEMAND SECTORS	59,373	9,049	170,611	110,876	-	274,886	13,363	62,279	700,440	76%
TRANSFORMATION										
ELECTRICITY GEN.	5,368	8,019	-	-	-	53,346	173,855	-63,440	177,149	19%
PETROLEUM PRODUCTS	-93,348	-11,874	-198,718	-67,127	367,455	18,186	-	-	14,572	2%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-87,979	-3,855	-198,718	-67,127	367,455	71,533	173,855	-63,440	191,721	21%
TOTAL GROSS FLOWS	64,742	17,068	170,611	110,876	367,455	346,420	187,218	62,279	892,161	97%
LOSSES & OMISSIONS	-1,897	-530	-184	-6	1,593	4,534	13,388	6,800	23,698	3%
TOTAL NET USAGE	-30,503	4,662	-28,291	43,742	369,048	350,954	200,606	5,638	915,860	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	8,808	101	72,517	-	81,427	100%
HYDROELECTRIC	-	-	-	-	-	-	-	16	16	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	8,808	101	72,517	16	81,444	
NET IMPORTS OF REGION	-30,503	4,662	-28,291	43,742	360,240	350,853	128,089	5,622	834,416	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 73.63%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 3.78%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,953	691	-	7,184	-	22,277	219	7,005	40,332	31%
INDUSTRIAL	3,598	450	4,391	2,558	-	4,137	4,122	1,985	21,244	16%
TRANSPORTATION	2,957	50	31,001	949	-	620	-	131	35,711	27%
MISCELLANEOUS USES	205	82	-	151	-	2,334	-	330	3,104	2%
TOTAL FINAL DEMAND SECTORS	9,715	1,275	35,392	10,844	-	29,369	4,341	9,453	100,392	76%
TRANSFORMATION										
ELECTRICITY GEN.	545	-	-	-	-	823	36,358	-10,826	26,901	20%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	545	-	-	-	-	823	36,358	-10,826	26,901	20%
TOTAL GROSS FLOWS	10,261	1,275	35,392	10,844	-	30,193	40,700	9,453	127,294	97%
LOSSES & OMISSIONS	-300	-39	-38	-0	-	395	2,910	1,032	3,958	3%
TOTAL NET USAGE	9,960	1,235	35,354	10,843	-	30,588	43,611	-341	131,253	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	43,611	-	43,611	95%
HYDROELECTRIC	-	-	-	-	-	-	-	2,287	2,287	5%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	43,611	2,287	45,899	
NET IMPORTS OF REGION	9,960	1,235	35,354	10,843	-	30,588	-0	-2,629	85,353	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=71.30%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,623	706	-	4,498	-	16,549	255	4,246	28,880	30%
INDUSTRIAL	3,152	534	3,561	3,906	-	12,192	3,357	3,207	29,913	31%
TRANSPORTATION	3,046	32	18,465	1,257	-	1,164	-	100	24,066	25%
MISCELLANEOUS USES	54	36	-	41	-	854	-	189	1,177	1%
TOTAL FINAL DEMAND SECTORS	8,877	1,311	22,026	9,704	-	30,761	3,612	7,744	84,036	87%
TRANSFORMATION										
ELECTRICITY GEN.	136	16	-	-	-	74	14,045	-4,020	10,252	11%
PETROLEUM PRODUCTS	-734	-239	-1,825	-585	3,328	88	-	-	32	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-598	-222	-1,825	-585	3,328	163	14,045	-4,020	10,285	11%
TOTAL GROSS FLOWS	9,013	1,327	22,026	9,704	3,328	30,924	17,658	7,744	94,322	98%
LOSSES & OMISSIONS:	-264	-41	-23	-0	14	404	1,262	845	2,197	2%
TOTAL NET USAGE	8,014	1,047	20,176	9,118	3,343	31,329	18,921	4,569	96,520	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	145	-	-	-	145	4%
HYDROELECTRIC	-	-	-	-	-	-	-	3,102	3,102	96%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	145	-	-	3,102	3,247	
NET IMPORTS OF REGION	8,014	1,047	20,176	9,118	3,197	31,329	18,921	1,466	93,272	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 71.83%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.96%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	25,360	8,326	-	49,305	-	179,737	2,298	49,852	314,881	27%
INDUSTRIAL	17,544	8,477	15,224	52,001	-	11,825	39,457	31,309	235,841	20%
TRANSPORTATION	28,817	485	198,513	12,952	-	7,213	-	1,554	249,536	21%
MISCELLANEOUS USES	1,687	1,418	-	2,269	-	14,080	-	4,057	22,514	2%
TOTAL FINAL DEMAND SECTORS	73,409	18,707	213,738	115,530	-	272,857	41,756	86,775	822,774	69%

TRANSFORMATION										
ELECTRICITY GEN.	796	7,453	-	60	-	3,885	434,870	-140,696	306,369	26%
PETROLEUM PRODUCTS	-175,722	-57,288	-436,967	-136,968	796,711	21,093	-	-	7,839	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-174,925	-49,835	-436,987	-139,908	796,711	24,979	434,870	-140,696	314,208	27%
TOTAL GROSS FLOWS	74,206	26,161	213,738	115,590	796,711	297,837	476,626	86,775	1,136,983	96%
LOSSES & OMISSIONS	-2,174	-813	-230	-6	3,455	3,898	34,084	9,474	47,688	4%
TOTAL NET USAGE	-123,690	-31,940	-223,479	-24,385	800,167	301,735	510,711	-44,446	1,184,672	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	86,702	137	1,024,640	-	1,111,479	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	86,702	137	1,024,640	-	1,111,479	

NET IMPORTS OF REGION	-103,690	-31,940	-223,479	-24,385	713,465	301,598	-513,929	-44,446	73,192	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 68.53%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.96%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL,CCMN.	2,970	650	-	8,936	-	25,186	560	9,128	47,432	14%
INDUSTRIAL	4,434	764	4,111	5,976	-	10,862	11,814	18,276	56,240	17%
TRANSPORTATION	4,980	37	39,116	3,901	-	4,038	-	197	52,272	15%
MISCELLANEOUS USES	114	66	-	103	-	1,389	-	414	2,088	1%
TOTAL FINAL DEMAND SECTORS	12,500	1,519	43,227	18,917	-	41,476	12,374	28,616	158,034	46%
TRANSFORMATION										
ELECTRICITY GEN.	128	90	-	-	-	75	230,537	-69,070	161,762	48%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	128	90	-	-	-	75	230,537	-69,070	161,762	48%
TOTAL GROSS FLOWS	12,629	1,610	43,227	18,917	-	41,552	242,912	28,016	319,797	94%
LOSSES & OMISSIONS	-370	-50	-46	-1	-	543	17,371	3,059	20,506	6%
TOTAL NET USAGE	12,259	1,560	43,181	18,916	-	42,095	260,283	-37,994	340,303	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	24	-	24	0%
HYDROELECTRIC	-	-	-	-	-	-	-	6,905	6,905	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	24	6,905	6,930	
NET IMPORTS OF REGION	12,259	1,560	43,181	18,916	-	42,095	260,259	-44,900	333,373	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 70.08%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0%
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	4,287	829	-	15,678	-	43,032	299	14,364	78,541	29%
INDUSTRIAL	7,147	1,819	6,786	15,972	-	29,711	6,578	6,566	74,582	27%
TRANSPORTATION	8,252	87	60,453	3,894	-	5,719	-	356	78,763	29%
MISCELLANEOUS USES	172	56	-	155	-	3,879	-	340	4,605	2%
TOTAL FINAL DEMAND SECTORS	19,860	2,793	67,240	35,700	-	82,342	6,878	21,627	236,493	87%
TRANSFORMATION										
ELECTRICITY GEN.	256	1,795	-	-	-	14,453	24,340	-11,360	29,495	11%
PETROLEUM PRODUCTS	-25,249	-3,211	-53,752	-16,859	95,642	4,840	-	-	1,409	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-24,993	-1,416	-53,752	-16,859	95,642	19,303	24,340	-11,360	30,904	11%
TOTAL GROSS FLOWS	20,117	4,588	57,240	35,700	95,642	101,636	31,218	21,627	267,397	98%
LOSSES & OMISSIONS	-589	-142	-72	-2	414	1,331	2,232	2,361	5,533	2%
TOTAL NET USAGE	-5,722	1,233	13,415	18,838	96,057	103,027	33,451	12,628	272,931	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	10,202	198	65,585	-	75,985	90%
HYDROELECTRIC	-	-	-	-	-	-	-	8,119	8,119	10%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	10,202	198	65,585	8,119	84,105	
NET IMPORTS OF REGION	-5,722	1,233	13,415	18,838	85,855	102,829	-32,133	4,509	188,825	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 72.19%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.40%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,415	-	-	24,518	-	34,830	-	15,381	77,145	23%
INDUSTRIAL	8,778	8,144	4,521	41,955	-	57,951	123	10,315	131,790	39%
TRANSPORTATION	18,814	42	61,224	15,488	-	7,485	-	371	103,427	31%
MISCELLANEOUS USES	807	-	-	329	-	1,978	-	932	4,048	1%

TOTAL FINAL DEMAND SECTORS	30,815	8,186	65,746	82,292	-	102,245	123	27,000	316,412	95%

TRANSFORMATION										
ELECTRICITY GEN.	114	7,346	-	-	-	13,196	-	-6,139	14,518	4%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	114	7,346	-	-	-	13,196	-	-6,139	14,518	4%

TOTAL GROSS FLOWS	30,930	15,532	65,746	82,292	-	115,443	123	27,000	330,930	99%
LOSSES & OMISSIONS	-906	-483	-70	-4	-	1,511	8	2,948	3,002	1%

TOTAL NET USAGE	30,024	15,049	65,675	82,287	-	116,954	132	23,808	333,933	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	4,914	-	4,914	19%
HYDROELECTRIC	-	-	-	-	-	-	-	2,755	2,755	11%
NUCLEAR	-	-	-	-	-	-	-	17,557	17,557	70%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	4,914	20,312	25,226	

NET IMPORTS OF REGION	30,024	15,049	65,675	82,287	-	116,954	-4,782	3,496	308,706	

NOTES:

1	TRANSFORMATION LOSS FOR ELECTRICITY GEN.	= 70.28%
2	TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE (ALL UNITS IN 10**12 JOULES)	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	362	10	-	7,517	-	13,141	3	5,842	27,378	29%
INDUSTRIAL	2,069	1,660	2,003	3,040	-	11,699	49	2,517	23,041	24%
TRANSPORTATION	4,402	18	21,727	4,159	-	2,797	-	120	33,226	35%
MISCELLANEOUS USES	135	3	-	129	-	10,532	-	416	11,216	12%

TOTAL FINAL DEMAND SECTORS	7,470	1,692	23,730	14,847	-	38,171	52	8,897	94,862	99%

TRANSFORMATION										
ELECTRICITY GEN.	-	-	-	-	-	-	-	-	-	-
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-	-	-	-	-	-	-	-	-	-

TOTAL GROSS FLOWS	7,470	1,692	23,730	14,847	-	38,171	52	8,897	94,862	99%
LOSSES & OMISSIONS	-218	-52	-25	-0	-	499	3	971	1,176	1%

TOTAL NET USAGE	7,251	1,640	23,705	14,846	-	38,670	56	9,868	96,039	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1	57,062	26,400	-	83,464	92%
HYDROELECTRIC	-	-	-	-	-	-	-	7,485	7,485	8%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	1	57,062	26,400	7,485	90,950	

NET IMPORTS OF REGION	7,251	1,640	23,705	14,846	-1	-18,391	-26,344	2,382	5,089	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 0.0 %
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	3,261	90	-	20,144	-	46,527	17	21,451	91,493	18%
INDUSTRIAL	7,339	1,536	6,129	57,315	-	96,672	598	11,975	181,566	36%
TRANSPORTATION	12,678	49	70,109	16,405	-	17,233	-	602	117,078	23%
MISCELLANEOUS USES	206	8	-	210	-	23,609	-	688	24,724	5%
TOTAL FINAL DEMAND SECTORS	23,486	1,685	76,238	94,076	-	184,042	616	34,717	414,863	82%
TRANSFORMATION										
ELECTRICITY GEN.	108	46	-	-	-	107,216	-	-36,466	70,904	14%
PETROLEUM PRODUCTS	-150,409	-19,131	-317,005	-110,697	574,995	29,223	-	-	6,974	1%
NATURAL GAS	-	-	-	-17,543	-	18,951	-	-	1,408	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-150,300	-19,085	-317,005	-128,241	574,995	155,390	-	-36,466	79,287	16%
TOTAL GROSS FLOWS	23,594	1,731	76,238	94,076	574,995	339,433	616	34,717	494,150	98%
LOSSES & OMISSIONS	-691	-53	-32	-5	2,494	4,443	44	3,790	9,939	2%
TOTAL NET USAGE	-127,505	-17,453	-240,848	-34,170	577,489	343,876	660	2,041	504,089	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	147,606	17,229	24,333	-	189,168	96%
HYDROELECTRIC	-	-	-	-	-	-	-	7,473	7,473	4%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	147,606	17,229	24,333	7,473	196,641	
NET IMPORTS OF REGION	-127,505	-17,453	-240,848	-34,170	429,882	326,647	-23,673	-5,431	307,447	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=66.04%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.15%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										

FINAL DEMAND SECTORS										
RESIDENTIAL, CCHM.	4,014	125	-	21,658	-	55,110	24	25,727	106,660	19%
INDUSTRIAL	6,984	723	8,917	14,721	-	52,564	255	7,837	92,004	17%
TRANSPORTATION	14,552	88	78,314	8,554	-	7,837	-	604	110,451	20%
MISCELLANEOUS USES	771	46	-	778	-	93,171	-	2,546	97,313	18%

TOTAL FINAL DEMAND SECTORS	26,322	984	87,731	45,712	-	208,683	279	36,715	406,429	74%

TRANSFORMATION										
ELECTRICITY GEN.	185	84	-	-	-	177,405	1	-58,863	118,813	22%
PETROLEUM PRODUCTS	-85,211	-10,839	-179,593	-52,714	325,752	16,556	-	-	3,950	1%
NATURAL GAS	-	-	-	-113,991	-	123,137	-	-	9,146	2%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-85,026	-10,754	-179,593	-176,705	325,752	317,098	1	-58,863	131,910	24%

TOTAL GROSS FLOWS	26,508	1,068	87,731	45,712	325,752	525,782	280	36,715	538,339	98%
LOSSES & OMISSIONS	-776	-33	-94	-2	1,413	6,882	20	4,008	11,417	2%

TOTAL NET USAGE	-59,480	-9,803	-91,956	-130,994	327,165	532,665	300	-18,138	549,757	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	578,793	1,130,765	-	-	1,709,559	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	578,793	1,130,765	-	-	1,709,559	

NET IMPORTS OF REGION	-59,480	-9,803	-91,956	-130,994	-251,628	-598,100	300	-18,138	-1,159,802	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=66.97%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.15%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	1,006	50	-	8,206	-	15,681	5	8,821	33,771	18%
INDUSTRIAL	3,318	136	3,954	4,091	-	16,662	165	2,904	31,233	17%
TRANSPORTATION	3,488	1,668	32,167	7,919	-	2,078	-	113	47,432	25%
MISCELLANEOUS USES	1,873	1,162	-	607	-	17,312	-	1,757	22,712	12%
TOTAL FINAL DEMAND SECTORS	9,686	3,017	36,121	20,824	-	51,731	170	13,597	135,150	72%
TRANSFORMATION										
ELECTRICITY GEN.	67	67	-	-	-	66,587	-	-22,785	43,936	23%
PETROLEUM PRODUCTS	-30,472	-3,876	-64,223	-22,426	116,489	5,920	-	-	1,412	1%
NATURAL GAS	-	-	-	-40,545	-	43,798	-	-	3,253	2%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-30,404	-3,808	-64,223	-62,971	116,489	116,306	-	-22,785	48,601	26%
TOTAL GROSS FLOWS	9,753	3,085	36,121	20,824	116,489	168,037	170	13,597	183,752	98%
LOSSES & OMISSIONS	-285	-95	-38	-1	505	2,199	12	1,484	3,779	2%
TOTAL NET USAGE	-21,004	-887	-28,140	-42,147	116,995	170,237	183	-7,703	187,532	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	330,976	156,666	-	-	487,643	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	330,976	156,666	-	-	487,643	
NET IMPORTS OF REGION	-21,004	-887	-28,140	-42,147	-213,981	13,571	183	-7,703	-300,110	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=65.85%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.15%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	979	64	-	8,307	-	12,714	-	8,482	30,549	11%
INDUSTRIAL	5,261	328	6,144	36,833	-	70,827	447	6,055	125,897	45%
TRANSPORTATION	11,638	4,155	37,865	3,577	-	4,893	-	255	62,386	22%
MISCELLANEOUS USES	323	23	-	116	-	3,712	-	362	4,538	2%
TOTAL FINAL DEMAND SECTORS	18,203	4,571	44,009	48,835	-	92,148	447	15,156	223,371	80%
TRANSFORMATION										
ELECTRICITY GEN.	154	10	-	-	-	39,431	-	-12,253	27,342	10%
PETROLEUM PRODUCTS	-71,973	-29,206	-150,406	-83,922	320,176	20,997	-	-	5,665	2%
NATURAL GAS	-	-	-	-212,727	-	229,757	-	-	17,069	6%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-71,819	-29,195	-150,406	-296,650	320,176	290,226	-	-12,253	50,077	18%
TOTAL GROSS FLOWS LOSSES & OMISSIONS	18,357	4,582	44,009	48,835	320,176	382,375	447	15,156	273,449	97%
	-537	-142	-17	-2	1,388	5,005	31	1,654	7,350	3%
TOTAL NET USAGE	-54,153	-24,766	-106,445	-247,818	321,565	387,380	479	4,557	280,799	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	205,159	1,736,507	-	-	1,941,666	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	205,159	1,736,507	-	-	1,941,666	
NET IMPORTS OF REGION	-54,153	-24,766	-106,445	-247,818	116,406	-1,349,126	479	4,557	-1,660,867	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.05%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.66%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL		
			(ALL UNITS IN 10**12 JOULES)								

FINAL DEMAND SECTORS											
RESIDENTIAL, COMM.	809	65	-	6,345	-	8,986	-	7,336	23,543	17%	
INDUSTRIAL	3,693	69	4,447	4,442	-	17,972	228	2,756	33,611	24%	
TRANSPORTATION	4,067	1,792	28,327	1,223	-	1,092	-	137	36,640	26%	
MISCELLANEOUS USES	323	213	-	75	-	2,594	-	229	3,437	2%	

TOTAL FINAL DEMAND SECTORS	8,894	2,140	32,774	12,087	-	30,647	228	10,459	97,232	70%	

TRANSFORMATION											
ELECTRICITY GEN.	78	337	-	-	-	53,940	-	-16,393	37,962	27%	
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-	
NATURAL GAS	-	-	-	-14,778	-	15,964	-	-	1,185	1%	
SYN-GAS	-	-	-	-	-	-	-	-	-	-	

NET FUEL USED IN TRANSFORMATION	78	337	-	-14,778	-	69,904	-	-16,393	39,147	28%	

TOTAL GROSS FLOWS	8,972	2,477	32,774	12,087	-	100,551	228	10,459	136,380	98%	
LOSSES & OMISSIONS	-262	-77	-35	-0	-	1,315	16	1,142	2,098	2%	

TOTAL NET USAGE	8,709	2,400	32,739	-2,691	-	101,863	245	-4,792	138,478		

SUPPLY OF ENERGY											
FOSSIL FUEL	-	-	-	-	1,190,915	104,714	-	-	1,295,629	100%	
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-	
NUCLEAR	-	-	-	-	-	-	-	-	-	-	
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-	

TOTAL SUPPLY	-	-	-	-	1,190,915	104,714	-	-	1,295,629		

NET IMPORTS OF REGION	8,709	2,400	32,739	-2,691	-1,190,915	-2,846	245	-4,792	-1,157,150		

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 69.84%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										

FINAL DEMAND SECTORS										
RESIDENTIAL,CCMM.	702	56	-	6,029	-	8,419	-	6,731	21,939	8%
INDUSTRIAL	3,542	421	2,479	53,487	-	86,206	409	8,789	155,337	57%
TRANSPORTATION	3,066	2,226	25,595	1,203	-	1,329	-	110	33,534	12%
MISCELLANEOUS USES	316	210	-	71	-	2,430	-	218	3,249	1%
TOTAL FINAL DEMAND SECTORS	7,631	2,916	28,075	60,792	-	98,385	409	15,850	214,060	79%
TRANSFORMATION										
ELECTRICITY GEN.	-	27	-	-	-	43,215	-	-13,877	29,364	11%
PETROLEUM PRODUCTS	-44,275	-17,966	-92,524	-51,626	196,960	12,917	-	-	3,485	1%
NATURAL GAS	-	-	-	-209,897	-	226,740	-	-	16,843	6%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-44,275	-17,938	-92,524	-261,523	196,960	282,872	-	-13,877	49,692	18%
TOTAL GROSS FLOWS	7,631	2,943	28,075	60,792	196,960	381,258	409	15,850	263,753	97%
LOSSES & COMMISSIONS	-223	-91	-30	-3	854	4,990	29	1,730	7,256	3%
TOTAL NET USAGE	-36,867	-15,114	-64,479	-200,734	197,814	386,248	438	3,703	271,009	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	2,171,855	2,562,191	-	-	4,734,046	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	2,171,855	2,562,191	-	-	4,734,046	

NET IMPORTS OF REGION	-36,867	-15,114	-64,479	-200,734	-1,974,040	-2,175,942	438	3,703	-4,463,037	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=67.91%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.6%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.4%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	563	45	-	5,147	-	7,122	-	5,616	18,494	15%
INDUSTRIAL	2,616	133	2,959	4,313	-	18,983	265	2,660	31,932	25%
TRANSPORTATION	3,704	1,186	21,995	1,797	-	720	-	92	29,497	23%
MISCELLANEOUS USES	609	436	-	86	-	1,953	-	240	3,326	3%
TOTAL FINAL DEMAND SECTORS	7,494	1,802	24,955	11,344	-	28,779	265	8,610	83,252	65%
TRANSFORMATION										
ELECTRICITY GEN.	33	1,163	-	-	-	57,384	-	-19,822	38,758	30%
PETROLEUM PRODUCTS	-15,317	-6,215	-32,011	-17,860	68,142	4,469	-	-	1,205	1%
NATURAL GAS	-	-	-	-20,258	-	21,883	-	-	1,625	1%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-15,284	-5,052	-32,011	-38,119	68,142	83,737	-	-19,822	41,589	33%
TOTAL GROSS FLOWS	7,528	2,956	24,955	11,344	68,142	112,516	265	8,610	124,841	98%
LOSSES & OMISSIONS	-220	-32	-26	-0	295	1,472	19	940	2,387	2%
TOTAL NET USAGE	-8,010	-3,342	-7,082	-26,775	68,437	113,989	284	-10,272	127,228	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	824,745	168,774	-	-	993,519	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	824,745	168,774	-	-	993,519	
NET IMPORTS OF REGION	-8,010	-3,342	-7,082	-26,775	-756,307	-54,784	284	-10,272	-866,290	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=66.16%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.66%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
(ALL UNITS IN 10**12 JOULES)									
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	308	26	-	2,472	-	3,489	-	2,831	9,127 18%
INDUSTRIAL	1,459	29	7,791	989	-	7,651	109	957	12,988 25%
TRANSPORTATION	1,004	527	10,965	1,098	-	317	-	31	13,944 27%
MISCELLANEOUS USES	396	280	-	61	-	1,568	-	176	2,482 5%
TOTAL FINAL DEMAND SECTORS	3,168	863	12,756	4,621	-	13,026	109	3,996	38,543 74%
TRANSFORMATION									
ELECTRICITY GEN.	99	476	-	-	-	15,472	-	-5,570	10,478 20%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-21,796	-	23,545	-	-	1,748 3%
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	99	476	-	-21,796	-	39,018	-	-5,570	12,227 24%
TOTAL GROSS FLOWS	3,267	1,340	12,756	4,621	-	52,044	109	3,996	50,770 98%
LOSSES & OMISSIONS	-95	-41	-13	-0	-	681	7	436	974 2%
TOTAL NET USAGE	3,172	1,298	12,742	-17,175	-	52,725	117	-1,137	51,744
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	67,547	142,793	-	-	210,340 100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	67,547	142,793	-	-	210,340
NET IMPORTS OF REGION	3,172	1,298	12,742	-17,175	-67,547	-90,067	117	-1,137	-158,595

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 65.29%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 7.43%
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	7,573	64	-	55,586	-	80,153	1	65,781	209,710	18%
INDUSTRIAL	11,649	1,717	17,327	108,940	-	220,468	4,613	31,359	336,075	34%
TRANSPORTATION	49,635	55,639	218,626	14,907	-	32,898	-	1,895	373,602	32%
MISCELLANEOUS USES	2,222	1,351	-	677	-	26,401	-	2,103	32,755	3%

TOTAL FINAL DEMAND SECTORS	71,080	59,322	235,953	180,112	-	359,921	4,614	101,139	1,012,145	87%

TRANSFORMATION										
ELECTRICITY GEN.	17	832	-	-	-	190,596	-	-59,637	131,780	11%
PETROLEUM PRODUCTS	-10,911	-4,428	-22,802	-12,722	48,539	3,183	-	-	857	3%
NATURAL GAS	-	-	-	-40,830	-	44,106	-	-	3,276	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-10,893	-3,625	-22,802	-53,553	48,539	237,886	-	-59,637	135,914	12%

TOTAL GROSS FLOWS	71,098	60,125	235,953	180,112	48,539	597,808	4,614	101,139	1,148,059	99%
LOSSES & OMISSIONS	-2,083	-1,870	-254	-10	210	7,825	330	11,043	15,190	1%

TOTAL NET USAGE	58,103	53,827	212,896	126,548	48,750	605,633	4,944	52,545	1,163,249	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	232,928	214,051	-	-	446,979	100%
HYDROELECTRIC	-	-	-	-	-	-	-	1,497	1,497	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	232,928	214,051	-	1,497	448,477	

NET IMPORTS OF REGION	58,103	53,827	212,896	126,548	-184,177	391,582	4,944	51,047	714,772	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 69.84%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.66%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	942	77	-	8,756	-	12,090	-	9,497	31,364	13%
INDUSTRIAL	2,484	152	3,300	4,786	-	22,395	546	2,919	36,585	15%
TRANSPORTATION	5,784	1,665	34,488	11,238	-	1,015	-	139	54,332	23%
MISCELLANEOUS USES	4,380	3,241	-	463	-	5,983	-	1,194	15,262	6%
TOTAL FINAL DEMAND SECTORS	13,592	5,135	37,789	25,245	-	41,485	546	13,750	137,545	57%
TRANSFORMATION										
ELECTRICITY GEN.	11	373	-	-	-	65,159	76,180	-48,027	93,703	39%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-2,479	-	2,678	-	-	198	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	11	373	-	-2,479	-	67,837	76,180	-48,027	93,901	39%
TOTAL GROSS FLOWS	13,603	5,515	37,789	25,245	-	109,322	76,727	13,750	231,447	97%
LOSSES & OMISSIONS	-398	-171	-40	-1	-	1,431	5,486	1,501	7,806	3%
TOTAL NET USAGE	13,205	5,343	37,748	22,764	-	110,753	82,214	-32,775	239,254	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	2,110	17,505	102,406	-	122,022	100%
HYDROELECTRIC	-	-	-	-	-	-	-	287	287	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	2,110	17,505	102,406	287	122,310	
NET IMPORTS OF REGION	13,205	5,343	37,748	22,764	-2,110	93,248	-20,192	-33,063	116,943	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 6E.11%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 7.40%
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 1.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
(ALL UNITS IN 10**12 JOULES)									
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	1,712	141	-	12,696	-	18,142	-	14,990	47,684 22%
INDUSTRIAL	3,686	142	5,556	4,300	-	23,766	957	3,971	42,381 19%
TRANSPORTATION	5,414	2,860	49,589	2,207	-	1,698	-	136	61,906 28%
MISCELLANEOUS USES	837	467	-	318	-	12,981	-	1,010	15,615 7%
TOTAL FINAL DEMAND SECTORS	11,651	3,611	55,145	19,523	-	56,588	957	20,108	167,587 77%
TRANSFORMATION									
ELECTRICITY GEN.	8	179	-	-	-	70,009	-	-22,499	47,696 22%
PETROLEUM PRODUCTS	-1,090	-443	-2,280	-1,272	4,854	318	-	-	86 0%
NATURAL GAS	-	-	-	-1,736	-	1,875	-	-	139 0%
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-1,082	-263	-2,280	-3,008	4,854	72,203	-	-22,499	47,922 22%
TOTAL GROSS FLOWS	11,659	3,790	55,145	19,523	4,854	128,792	957	20,108	215,510 98%
LOSSES & OMISSIONS	-341	-117	-59	-1	21	1,685	68	2,195	3,450 2%
TOTAL NET USAGE	10,227	3,230	52,805	16,513	4,875	130,477	1,026	-195	218,961
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	21,344	16,609	39,876	-	77,831 97%
HYDROELECTRIC	-	-	-	-	-	-	-	2,143	2,143 3%
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	21,344	16,609	39,876	2,143	79,974
NET IMPORTS OF REGION	10,227	3,230	52,805	16,513	-16,469	113,867	-38,850	-2,338	138,986

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 67.95%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.67%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.42%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	1,205	97	-	11,251	-	15,527	-	12,192	40,274	11%
INDUSTRIAL	3,563	575	4,489	44,328	-	82,717	2,745	12,201	150,622	42%
TRANSPORTATION	10,520	2,447	44,046	662	-	1,500	-	227	59,407	17%
MISCELLANEOUS USES	91	20	-	82	-	3,880	-	273	4,347	1%
TOTAL FINAL DEMAND SECTORS	15,381	3,140	48,537	56,325	-	103,626	2,745	24,895	254,651	72%
TRANSFORMATION										
ELECTRICITY GEN.	11	4,538	-	-	-	121,084	-	-40,212	85,422	24%
PETROLEUM PRODUCTS	-2,611	-8,769	-45,164	-25,200	96,142	6,305	-	-	1,702	0%
NATURAL GAS	-	-	-	-82,322	-	88,929	-	-	6,606	2%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-2,600	-4,230	-45,164	-107,523	96,142	216,319	-	-40,212	93,731	26%
TOTAL GROSS FLOWS	15,392	7,678	48,537	56,325	96,142	319,945	2,745	24,895	348,383	98%
LOSSES & OMISSIONS	-451	-238	-52	-3	417	4,188	196	2,718	6,774	2%
TOTAL NET USAGE	-6,670	-1,329	3,320	-51,201	96,559	324,133	2,941	-12,598	355,157	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	897,162	385,805	5,137	-	1,288,105	100%
HYDROELECTRIC	-	-	-	-	-	-	-	1,272	1,272	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	897,162	385,805	5,137	1,272	1,289,377	
NET IMPORTS OF REGION	-5,670	-1,329	3,320	-51,201	-800,602	-61,671	-2,195	-13,870	-934,220	

NOTES:

1	TRANSFORMATION LOSS FOR ELECTRICITY GEN.	= 67.99%
2	TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS	= 1.66%
3	TRANSFORMATION LOSS FOR NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	688	30	-	7,335	-	10,730	1	6,363	25,149	16%
INDUSTRIAL	2,553	1,577	2,495	6,876	-	26,208	898	4,782	45,492	29%
TRANSPORTATION	4,900	949	24,645	1,686	-	1,386	-	123	33,691	21%
MISCELLANEOUS USES	125	18	-	122	-	4,997	-	393	5,657	4%
TOTAL FINAL DEMAND SECTORS	8,268	2,576	27,141	16,020	-	43,322	899	11,662	109,991	70%
TRANSFORMATION										
ELECTRICITY GEN.	-	315	-	-	-	7,316	49,746	-17,368	40,609	26%
PETROLEUM PRODUCTS	-10,911	-4,428	-22,802	-12,722	48,539	3,183	-	-	857	1%
NATURAL GAS	-	-	-	-4,890	-	5,282	-	-	392	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-10,911	-3,512	-22,802	-17,613	48,539	15,781	49,746	-17,368	41,859	27%
TOTAL GROSS FLOWS	8,268	3,591	27,141	16,020	48,539	59,104	50,646	11,662	151,850	97%
LOSSES & OMISSIONS	-242	-111	-29	-0	210	773	3,621	1,273	5,495	3%
TOTAL NET USAGE	-2,885	-948	4,309	-1,593	48,750	59,878	54,267	-4,431	157,346	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	46,744	45,125	5,764	-	97,534	99%
HYDROELECTRIC	-	-	-	-	-	-	-	559	559	1%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	46,744	45,125	5,764	559	98,193	
NET IMPORTS OF REGION	-2,885	-948	4,309	-1,593	2,005	14,752	48,503	-4,990	59,152	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=70.04%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.66%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	439	6	-	7,307	-	11,681	-	8,549	27,984	17%
INDUSTRIAL	5,075	3,722	1,527	14,223	-	14,901	6	4,268	73,726	44%
TRANSPORTATION	6,462	3,405	27,806	3,963	-	2,462	-	129	44,231	26%
MISCELLANEOUS USES	1,224	2,267	-	109	-	1,947	-	544	6,093	4%
TOTAL FINAL DEMAND SECTORS	13,202	9,402	25,333	25,605	-	50,993	6	13,491	152,036	90%
TRANSFORMATION										
ELECTRICITY GEN.	33	356	-	-	-	16,525	-	-5,300	11,615	7%
PETROLEUM PRODUCTS	-29,457	-11,800	-64,278	-32,586	131,954	6,135	-	-	-32	0%
NATURAL GAS	-	-	-	-31,820	-	34,373	-	-	2,553	2%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-29,423	-11,443	-64,278	-64,407	131,954	57,035	-	-5,300	14,136	8%
TOTAL GROSS FLOWS	13,236	9,759	29,333	25,605	131,954	118,028	6	13,491	166,205	98%
LOSSES & OMISSIONS	-387	-303	-31	-1	572	1,544	0	1,473	2,866	2%
TOTAL NET USAGE	-16,608	-2,344	-34,976	-38,803	132,526	119,573	6	9,664	169,039	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	195,012	489,079	-	-	684,092	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	195,012	489,079	-	-	684,092	
NET IMPORTS OF REGION	-16,608	-2,344	-34,976	-38,803	-62,485	-369,505	6	9,664	-515,052	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 63.67%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= -0.02%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	516	7	-	8,603	-	13,740	-	10,002	32,871	15%
INDUSTRIAL	5,777	9,230	2,860	20,766	-	57,466	5	6,452	102,559	46%
TRANSPORTATION	6,626	5,132	34,501	3,250	-	3,642	-	127	53,281	24%
MISCELLANEOUS USES	755	1,569	-	101	-	2,164	-	524	4,914	2%
TOTAL FINAL DEMAND SECTORS	13,675	15,739	37,362	32,723	-	77,014	5	17,106	193,626	86%
TRANSFORMATION										
ELECTRICITY GEN.	83	734	-	-	-	38,109	-	-12,094	26,833	12%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-13,777	-	14,883	-	-	1,105	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	83	734	-	-13,777	-	52,993	-	-12,094	27,938	12%
TOTAL GROSS FLOWS	13,758	16,473	37,362	32,723	-	130,007	5	17,106	221,564	99%
LOSSES & OMISSIONS	-403	-512	-40	-1	-	1,701	0	1,867	2,612	1%
TOTAL NET USAGE	13,355	15,961	37,321	18,943	-	131,708	5	6,880	224,177	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	195,452	248,875	-	-	444,327	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	195,452	248,875	-	-	444,327	
NET IMPORTS OF REGION										
	13,355	15,961	37,321	18,943	-195,452	-117,166	5	6,880	-220,150	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=68.93%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	1,862	23	-	11,757	-	12,378	-	8,718	34,740	18%
INDUSTRIAL	6,348	5,239	2,908	28,503	-	35,801	318	5,651	94,772	44%
TRANSPORTATION	4,780	877	32,291	4,854	-	5,647	-	132	48,584	25%
MISCELLANEOUS USES	122	3	-	77	-	1,157	-	216	1,575	1%

TOTAL FINAL DEMAND SECTORS	13,114	6,143	35,199	45,192	-	54,984	318	14,719	169,672	87%

TRANSFORMATION										
ELECTRICITY GEN.	193	30,886	-	-	-	1,196	1,217	-10,786	22,706	12%
PETROLEUM PRODUCTS	-25,848	-10,351	-39,906	-43,068	113,750	5,462	-	-	37	0%
NATURAL GAS	-	-	-	-1,394	-	1,506	-	-	111	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-25,655	20,534	-39,906	-44,462	113,750	8,165	1,217	-10,786	22,856	12%

TOTAL GROSS FLOWS	13,307	37,029	35,199	45,192	113,750	63,149	1,535	14,719	192,529	99%
LOSSES & OMISSIONS	-389	-1,151	-37	-2	493	826	109	1,607	1,454	1%

TOTAL NET USAGE	-12,931	25,526	-4,744	727	114,244	63,976	1,645	5,540	193,984	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	79,590	27,452	-	-	107,043	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	79,590	27,452	-	-	107,043	

NET IMPORTS OF REGION	-12,931	25,526	-4,744	727	34,653	36,524	1,645	5,540	86,941	

NOTES:

1	TRANSFORMATION LOSS FOR ELECTRICITY GEN.	=67.80%
2	TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS	= 0.03%
3	TRANSFORMATION LOSS FOR NATURAL GAS	= 7.42%
4	TRANSFORMATION LOSS FOR SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	3,371	54	-	12,553	-	11,053	-	11,616	38,648	21%
INDUSTRIAL	4,795	2,515	2,446	21,350	-	22,192	556	4,143	58,000	31%
TRANSPORTATION	6,181	1,974	33,679	6,778	-	10,640	-	280	59,534	32%
MISCELLANEOUS USES	309	9	-	141	-	3,004	-	380	3,844	2%
TOTAL FINAL DEMAND SECTORS	14,656	4,554	36,125	40,822	-	46,891	556	16,421	160,028	85%
TRANSFORMATION										
ELECTRICITY GEN.	16	18,278	-	-	-	20,132	-	-11,838	26,590	14%
PETROLEUM PRODUCTS	-1,830	-733	-3,564	-1,724	7,476	377	-	-	2	0%
NATURAL GAS	-	-	-	-24	-	25	-	-	2	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-1,813	17,545	-3,564	-1,748	7,476	20,535	-	-11,838	26,594	14%
TOTAL GROSS FLOWS	14,673	22,833	36,125	40,822	7,476	67,428	556	16,421	186,623	99%
LOSSES & OMISSIONS	-429	-710	-38	-2	32	882	39	1,793	1,566	1%
TOTAL NET USAGE	12,413	21,389	32,522	39,071	7,508	68,310	596	6,376	188,189	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	32,014	19,127	-	-	51,141	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	32,014	19,127	-	-	51,141	
NET IMPORTS OF REGION	12,413	21,389	32,522	39,071	-24,505	49,182	596	6,376	137,047	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.19%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.03%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 8.00%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
(ALL UNITS IN 10**12 JOULES)									
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	2,082	35	-	9,040	-	7,984	6	8,227	27,377 19%
INDUSTRIAL	4,718	3,472	1,566	22,398	-	20,751	1,969	4,266	59,142 41%
TRANSPORTATION	5,317	1,812	25,232	4,758	-	6,796	-	234	44,150 31%
MISCELLANEOUS USES	275	33	-	118	-	1,800	-	268	2,496 2%
TOTAL FINAL DEMAND SECTORS	12,392	5,354	26,799	36,315	-	37,332	1,975	12,997	133,167 93%
TRANSFORMATION									
ELECTRICITY GEN.	194	6,984	-	-	-	4,186	-	-2,951	8,414 6%
PETROLEUM PRODUCTS	-19,742	-7,907	-38,443	-18,600	80,643	4,071	-	-	21 0%
NATURAL GAS	-	-	-	-302	-	328	-	-	25 0%
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-19,548	-922	-38,443	-18,903	80,643	8,586	-	-2,951	8,460 6%
TOTAL GROSS FLOWS	12,586	12,339	26,799	36,315	80,643	45,918	1,975	12,997	141,627 99%
LOSSES & OMISSIONS	-368	-383	-28	-2	345	601	141	1,419	1,727 1%
TOTAL NET USAGE	-7,524	4,047	-11,672	17,410	80,993	46,519	2,116	11,465	143,355
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	206,465	17,263	-	-	223,729 100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	206,465	17,263	-	-	223,729
NET IMPORTS OF REGION	-7,524	4,047	-11,672	17,410	-125,471	29,255	2,116	11,465	-80,373

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=74.03%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.02%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.72%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,924	67	-	15,131	-	15,936	48	16,177	50,286	11%
INDUSTRIAL	5,255	17,574	2,665	92,258	-	49,995	17,264	13,888	198,901	43%
TRANSPORTATION	13,520	10,725	49,620	11,899	-	10,153	-	425	96,344	21%
MISCELLANEOUS USES	1,115	359	-	375	-	2,410	-	599	4,860	1%

TOTAL FINAL DEMAND SECTORS	22,816	28,726	52,286	119,663	-	78,496	17,313	31,090	350,392	75%

TRANSFORMATION										
ELECTRICITY GEN.	410	6,210	-	-	-	11,459	124,879	-41,579	101,380	22%
PETROLEUM PRODUCTS	-129,948	-52,051	-239,177	-130,604	525,149	26,781	-	-	149	0%
NATURAL GAS	-	-	-	-1,318	-	1,423	-	-	105	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-129,537	-45,840	-239,177	-131,922	525,149	39,664	124,879	-41,579	101,636	22%

TOTAL GROSS FLOWS	23,226	34,937	52,286	119,663	525,149	118,160	142,193	31,090	452,028	97%
LOSSES & OMISSIONS	-680	-1,086	-56	-6	2,277	1,546	10,168	3,394	15,557	3%

TOTAL NET USAGE	-107,402	-18,200	-186,947	-12,265	527,427	119,707	152,361	-7,094	467,586	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	34,424	6,641	-	-	41,065	95%
HYDROELECTRIC	-	-	-	-	-	-	-	2,371	2,371	5%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	34,424	6,641	-	2,371	43,436	

NET IMPORTS OF REGION	-107,402	-18,200	-186,947	-12,265	493,003	113,066	152,361	-9,465	424,149	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=70.92%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.03%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.41%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	3,408	56	-	37,292	-	56,829	-	42,997	140,584	8%
INDUSTRIAL	28,766	14,274	9,572	405,525	-	537,690	154	44,555	1,040,539	59%
TRANSPORTATION	49,462	72,214	138,370	24,452	-	55,030	-	1,143	340,724	19%
MISCELLANEOUS USES	985	1,421	-	402	-	10,467	-	2,113	15,391	1%
TOTAL FINAL DEMAND SECTORS	82,622	87,968	147,942	467,673	-	660,067	154	90,810	1,537,239	87%
TRANSFORMATION										
ELECTRICITY GEN.	337	34,344	-	-	-	250,934	-	-96,144	199,440	11%
PETROLEUM PRODUCTS	-571,757	-229,027	-1,227,596	-632,492	2,561,141	119,084	-	-	-646	0%
NATURAL GAS	-	-	-	-215,406	-	232,690	-	-	17,283	1%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-571,419	-194,683	-1,247,596	-847,899	2,561,141	602,679	-	-96,144	206,078	12%
TOTAL GROSS FLOWS	82,959	122,312	147,942	457,673	2,561,141	1,262,747	154	90,810	1,743,964	98%
LOSSES & OMISSIONS	-2,431	-3,804	-159	-26	11,109	16,529	11	9,915	31,143	2%
TOTAL NET USAGE	-491,228	-110,519	-1,099,812	-380,252	2,572,251	1,279,276	165	4,581	1,774,461	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	2,575,748	3,559,765	-	-	6,135,514	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	2,575,748	3,559,765	-	-	6,135,514	
NET IMPORTS OF REGION	-491,228	-110,519	-1,099,812	-380,252	-3,497	-2,280,488	165	4,581	-4,361,052	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=66.33%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-0.02%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	718	13	-	12,214	-	19,415	-	14,077	46,443	8%
INDUSTRIAL	15,772	4,206	4,409	125,197	-	160,765	4	13,411	323,766	54%
TRANSPORTATION	13,467	11,100	50,884	20,754	-	12,650	-	274	116,131	19%
MISCELLANEOUS USES	6,330	11,920	-	348	-	3,810	-	1,592	24,003	4%

TOTAL FINAL DEMAND SECTORS	36,289	34,240	55,293	158,514	-	196,640	4	29,356	510,344	85%

TRANSFORMATION										
ELECTRICITY GEN.	87	3,571	-	-	-	79,468	-	-28,091	55,036	9%
PETROLEUM PRODUCTS	-155,228	-62,179	-338,714	-171,718	695,335	32,330	-	-	-175	0%
NATURAL GAS	-	-	-	-315,552	-	340,873	-	-	25,320	4%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-155,140	-58,607	-338,714	-487,270	695,335	452,673	-	-28,091	80,181	13%

TOTAL GROSS FLOWS	36,376	37,812	55,293	158,514	695,335	649,313	4	29,356	590,701	98%
LOSSES & OMISSIONS	-1,065	-1,176	-59	-9	3,016	8,493	0	3,205	12,410	2%

TOTAL NET USAGE	-119,917	-25,542	-283,481	-328,765	698,351	657,813	4	4,470	602,936	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,071,569	3,900,467	-	-	4,972,037	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	1,071,569	3,900,467	-	-	4,972,037	

NET IMPORTS OF REGION	-119,917	-25,542	-283,481	-328,765	-373,218	-3,242,649	4	4,470	-4,369,100	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=66.21%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-0.02%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	756	62	-	7,547	-	10,323	-	7,998	26,687	3%
INDUSTRIAL	2,396	1,555	2,135	248,999	-	340,612	1,094	17,254	614,018	74%
TRANSPORTATION	5,868	6,641	28,850	1,456	-	3,877	-	178	46,882	6%
MISCELLANEOUS USES	133	72	-	54	-	2,280	-	176	2,718	0%
TOTAL FINAL DEMAND SECTORS	9,152	8,331	30,955	258,057	-	357,093	1,094	25,607	690,306	83%
TRANSFORMATION										
ELECTRICITY GEN.	6	97	-	-	-	112,793	-	-36,391	76,505	9%
PETROLEUM PRODUCTS	-550,691	-223,465	-1,150,811	-642,122	2,449,771	160,657	-	-	43,338	5%
NATURAL GAS	-	-	-	-16,365	-	17,678	-	-	1,313	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-550,685	-223,368	-1,150,811	-658,487	2,449,771	291,129	-	-36,391	121,157	15%
TOTAL GROSS FLOWS	9,161	8,428	30,955	258,057	2,449,771	548,223	1,094	25,607	811,464	97%
LOSSES & OMISSIONS	-268	-262	-33	-14	10,626	8,485	78	2,796	21,407	3%
TOTAL NET USAGE	-541,798	-215,298	-1,119,878	-400,445	2,460,398	656,708	1,173	-7,988	832,871	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	71,713	137,865	-	-	209,579	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	71,713	137,865	-	-	209,579	
NET IMPORTS OF REGION	-541,798	-215,298	-1,119,878	-400,445	2,388,684	518,843	1,173	-7,988	623,292	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=67.77%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.66%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= .7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	6,718	552	-	50,880	-	72,449	-	59,568	190,169 7%
INDUSTRIAL	15,189	3,662	20,433	635,725	-	859,105	8,325	65,557	1,607,999 62%
TRANSPORTATION	48,444	52,361	203,063	10,599	-	30,726	-	1,665	346,861 13%
MISCELLANEOUS USES	775	305	-	488	-	21,933	-	1,588	25,091 1%
TOTAL FINAL DEMAND SECTORS	71,127	56,832	223,497	697,693	-	984,215	8,325	128,380	2,170,121 84%
TRANSFORMATION									
ELECTRICITY GEN.	58	636	-	-	-	452,998	-	-155,622	298,069 12%
PETROLEUM PRODUCTS	-684,786	-277,830	-1,431,037	-798,481	3,046,299	199,778	-	-	53,892 2%
NATURAL GAS	-	-	-	-242,876	-	262,366	-	-	19,489 1%
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION									
	-684,728	-277,244	-1,431,037	-1,041,358	3,046,299	915,143	-	-155,622	371,451 14%
TOTAL GROSS FLOWS									
LOSSES & OMISSIONS	71,185	57,518	223,497	697,693	3,046,299	1,899,358	8,325	128,380	2,541,573 98%
	-2,086	-1,788	-241	-40	13,213	24,862	595	14,017	48,533 2%
TOTAL NET USAGE	-615,686	-222,151	-1,207,781	-343,705	3,059,513	1,924,221	8,920	-13,224	2,590,106
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	945,694	1,284,049	-	-	2,229,743 100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	945,694	1,284,049	-	-	2,229,743
NET IMPORTS OF REGION									
	-615,686	-222,151	-1,207,781	-343,705	2,113,818	640,172	8,920	-13,224	360,362

NOTES:

- | | | | |
|---|-------------------------|--------------------|---------|
| 1 | TRANSFORMATION LOSS FOR | ELECTRICITY GEN. | =65.70% |
| 2 | TRANSFORMATION LOSS FOR | PETROLEUM PRODUCTS | = 1.66% |
| 3 | TRANSFORMATION LOSS FOR | NATURAL GAS | = 7.43% |
| 4 | TRANSFORMATION LOSS FOR | SYN-GAS | = 0.0 % |

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,776	226	-	25,231	-	34,951	-	27,593	90,780	18%
INDUSTRIAL	6,295	370	9,449	44,647	-	81,686	1,545	10,075	153,070	30%
TRANSPORTATION	13,672	9,295	98,099	16,873	-	5,512	-	415	143,869	28%
MISCELLANEOUS USES	6,411	4,495	-	1,054	-	28,120	-	3,026	43,108	8%
TOTAL FINAL DEMAND SECTORS	29,154	14,388	106,549	87,807	-	150,271	1,545	41,110	430,828	85%
TRANSFORMATION										
ELECTRICITY GEN.	-	1,907	-	-	-	98,721	-	-33,656	56,972	13%
PETROLEUM PRODUCTS	-1,938	-736	-4,051	-2,260	8,625	565	-	-	152	0%
NATURAL GAS	-	-	-	-46,121	-	49,821	-	-	3,700	1%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-1,938	1,120	-4,051	-48,381	8,625	149,108	-	-33,656	70,825	14%
TOTAL GROSS FLOWS	29,154	16,235	102,549	87,807	8,625	299,880	1,545	41,110	501,654	99%
LOSSES & OMISSIONS	-854	-506	-114	-5	37	3,818	110	4,488	7,074	1%
TOTAL NET USAGE	26,361	15,001	102,333	39,421	8,662	303,299	1,655	11,943	508,728	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	229,412	382,720	-	-	512,132	100%
HYDROELECTRIC	-	-	-	-	-	-	-	1,170	1,170	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	229,412	382,720	-	1,170	513,303	
NET IMPORTS OF REGION	26,361	15,001	102,333	39,421	-220,749	-79,420	1,655	10,772	-104,574	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=66.55%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.66%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	1,075	85	-	10,006	-	13,818	-	10,864	35,852	10%
INDUSTRIAL	3,626	409	4,374	50,420	-	83,265	1,197	7,790	151,083	43%
TRANSPORTATION	7,569	7,353	41,187	5,005	-	4,314	-	232	65,661	19%
MISCELLANEOUS USES	1,564	1,076	-	285	-	8,377	-	838	12,142	3%

TOTAL FINAL DEMAND SECTORS	13,835	8,924	45,562	65,718	-	109,776	1,197	19,725	264,739	75%

TRANSFORMATION										
ELECTRICITY GEN.	55	163	-	-	-	52,576	-	-17,478	35,317	10%
PETROLEUM PRODUCTS	-211,818	-85,953	-442,648	-246,986	942,280	61,795	-	-	16,668	5%
NATURAL GAS	-	-	-	-292,220	-	315,668	-	-	23,448	7%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-211,762	-85,789	-442,648	-539,206	942,280	430,040	-	-17,478	75,435	21%

TOTAL GROSS FLOWS	13,891	9,088	45,562	65,718	942,280	539,816	1,197	19,725	340,174	96%
LOSSES & OMISSIONS	-407	-282	-49	-3	4,087	7,066	85	2,153	12,650	4%

TOTAL NET USAGE	-198,333	-77,147	-397,135	-473,492	946,367	546,882	1,282	4,401	352,825	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	483,816	1,627,794	-	-	2,111,610	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	483,816	1,627,794	-	-	2,111,610	

NET IMPORTS OF REGION	-198,333	-77,147	-397,135	-473,492	462,551	-1,080,911	1,282	4,401	-1,758,785	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=66.90%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.66%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL

FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	782	63	-	7,749	-	10,610	-	8,228	27,434 21%
INDUSTRIAL	3,296	82	4,148	5,877	-	18,585	157	2,203	34,450 27%
TRANSPORTATION	4,567	3,024	32,849	819	-	1,780	-	104	43,145 34%
MISCELLANEOUS USES	93	34	-	63	-	2,394	-	208	3,295 3%

TOTAL FINAL DEMAND SECTORS	3,740	3,204	36,998	14,509	-	33,370	157	10,745	108,325 85%

TRANSFORMATION									
ELECTRICITY GEN.	26	5	-	-	-	20,708	-	-6,075	14,664 11%
PETROLEUM PRODUCTS	-2,292	-930	-4,789	-2,672	10,196	568	-	-	180 0%
NATURAL GAS	-	-	-	-33,598	-	36,394	-	-	2,696 2%
SYN-GAS	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-2,265	-925	-4,789	-36,271	10,196	57,672	-	-6,075	17,541 14%

TOTAL GROSS FLOWS	3,766	3,209	36,998	14,509	10,196	91,543	157	10,745	125,867 98%
LOSSES & OMISSIONS	-256	-99	-39	-0	44	1,199	11	1,173	2,030 2%

TOTAL NET USAGE	6,217	2,179	32,168	-21,762	10,240	92,842	168	5,842	127,897

SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	47,688	253,809	-	-	301,498 100%
HYDROELECTRIC	-	-	-	-	-	-	-	487	487 0%
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	47,688	253,809	-	487	301,985

NET IMPORTS OF REGION	6,217	2,179	32,168	-21,762	-37,447	-160,567	168	5,355	-174,087

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 70.71%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 1.66%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 7.43%
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	1,426	69	-	14,241	-	22,143	-	11,862	49,743	15%
INDUSTRIAL	6,744	672	4,648	17,195	-	53,150	800	8,485	91,697	27%
TRANSPORTATION	11,378	2,462	57,973	13,332	-	9,804	-	219	94,270	28%
MISCELLANEOUS USES	2,597	1,575	-	488	-	11,914	-	1,423	17,900	5%
TOTAL FINAL DEMAND SECTORS	22,146	4,781	61,721	45,258	-	96,912	800	21,991	253,612	75%
TRANSFORMATION										
ELECTRICITY GEN.	64	10,151	-	-	-	67,743	-	-23,622	54,336	16%
PETROLEUM PRODUCTS	-64,711	-36,539	-113,925	-66,524	283,311	14,988	-	-	16,599	5%
NATURAL GAS	-	-	-	-98,229	-	106,110	-	-	7,881	2%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-64,647	-26,387	-113,925	-164,753	283,311	188,842	-	-23,622	78,817	23%
TOTAL GROSS FLOWS	22,210	14,932	61,721	45,258	283,311	285,755	800	21,991	332,430	98%
LOSSES & OMISSIONS	-650	-464	-56	-2	1,228	3,740	57	2,401	6,243	2%
TOTAL NET USAGE	-43,151	-22,070	-52,270	-119,497	284,540	289,496	857	770	338,673	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	539,120	784,386	-	-	1,323,507	100%
HYDROELECTRIC	-	-	-	-	-	-	-	227	227	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	539,120	784,386	-	227	1,323,734	
NET IMPORTS OF REGION	-43,151	-22,070	-52,270	-119,497	-254,579	-494,890	857	542	-985,060	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.70%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 5.56%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
[ALL UNITS IN 10**12 JOULES]										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	1,272	6	-	12,634	-	22,507	-	7,202	43,622	20%
INDUSTRIAL	3,420	378	2,881	8,076	-	19,604	5	2,625	36,992	17%
TRANSPORTATION	10,176	-	49,038	17,529	-	20,866	-	130	97,741	46%
MISCELLANEOUS USES	402	1	-	282	-	9,387	-	915	10,989	5%
TOTAL FINAL DEMAND SECTORS	15,272	336	51,920	38,523	-	72,365	5	10,873	189,346	89%
TRANSFORMATION										
ELECTRICITY GEN.	45	1,119	-	-	-	22,838	630	-7,062	17,570	8%
PETROLEUM PRODUCTS	-7,161	-5,555	-3,473	-6,048	30,679	1,086	-	-	3,528	2%
NATURAL GAS	-	-	-	-3,855	-	4,164	-	-	309	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-7,115	-4,436	-3,473	-9,903	30,679	28,069	630	-7,062	21,408	10%
TOTAL GROSS FLOWS	15,317	1,535	51,920	38,523	30,679	100,454	636	10,873	210,755	99%
LOSSES & OMISSIONS	-448	-46	-56	-2	133	1,314	45	1,187	2,126	1%
TOTAL NET USAGE	7,707	-4,037	42,391	28,617	-30,812	101,769	681	4,998	212,882	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	15,679	200,044	36,152	-	251,876	100%
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	15,679	200,044	36,152	-	251,876	
NET IMPORTS OF REGION	7,707	-4,037	42,391	28,617	15,133	-98,274	-35,470	4,998	-38,994	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 11.33%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 11.11%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.42%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	1,848	279	-	11,156	-	32,189	54	7,658	53,187	26%
INDUSTRIAL	2,686	123	2,942	3,178	-	13,567	21,810	3,266	47,575	23%
TRANSPORTATION	4,506	4	36,540	6,466	-	878	3	139	48,538	23%
MISCELLANEOUS USES	1,607	546	-	545	-	4,137	22	1,378	8,237	4%

TOTAL FINAL DEMAND SECTORS	10,648	953	39,483	21,347	-	50,773	21,890	12,443	157,539	76%

TRANSFORMATION										
ELECTRICITY GEN.	761	1,522	-	-	-	15,390	41,712	-14,711	44,674	21%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-279	-	301	-	-	22	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	761	1,522	-	-279	-	15,592	41,712	-14,711	44,697	21%

TOTAL GROSS FLOWS	11,409	2,475	39,483	21,347	-	66,466	63,602	12,443	202,236	97%
LOSSES & OMISSIONS	-334	-76	-42	-1	-	870	4,548	1,358	6,321	3%

TOTAL NET USAGE	11,075	2,398	39,440	21,066	-	67,336	68,150	-909	208,558	

SUPPLY OF ENERGY										
POSSIL FUEL	-	-	-	-	3,851	8,049	18,339	-	30,240	100%
HYDROELECTRIC	-	-	-	-	-	-	-	93	93	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	3,851	8,049	18,339	93	30,333	

NET IMPORTS OF REGION	11,075	2,398	39,440	21,066	-3,851	59,286	49,810	-1,002	178,224	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 75.23%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.34%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	6,765	1,023	-	34,342	-	104,217	191	25,452	171,992	33%
INDUSTRIAL	9,443	1,970	8,990	9,735	-	46,330	10,630	10,982	98,083	19%
TRANSPORTATION	15,664	26	113,901	10,577	-	6,620	12	732	147,636	28%
MISCELLANEOUS USES	1,129	297	-	585	-	4,859	23	1,641	8,536	2%
TOTAL FINAL DEMAND SECTORS	33,003	3,317	122,891	55,341	-	162,028	10,858	38,808	426,248	82%
TRANSFORMATION										
ELECTRICITY GEN.	0,004	4,246	-	-	-	35,735	70,456	-30,821	90,521	16%
PETROLEUM PRODUCTS	-27,092	-8,220	-44,197	-14,527	88,808	5,317	-	-	-11	0%
NATURAL GAS	-	-	-	-12,342	-	13,871	-	-	1,029	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-26,088	-3,973	-44,197	-27,470	88,808	54,924	70,456	-30,821	81,639	16%
TOTAL GROSS FLOWS	34,007	7,563	122,891	55,341	88,808	216,953	81,314	38,808	507,899	98%
LOSSES & OMISSIONS	-996	-235	-132	-3	385	2,839	5,814	4,237	11,909	2%
TOTAL NET USAGE	5,918	-891	78,561	27,367	89,194	219,793	87,129	12,224	519,797	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	85,983	91,184	9,770	-	186,937	99%
HYDROELECTRIC	-	-	-	-	-	-	-	2,786	2,786	1%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	85,983	91,184	9,770	2,786	189,724	
NET IMPORTS OF REGION	5,918	-891	78,561	27,367	3,211	128,608	77,358	9,437	330,073	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=72.34%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=-0.01%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.42%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	990	147	-	5,583	-	15,207	48	3,755	25,731	10%
INDUSTRIAL	3,465	450	2,267	3,422	-	9,420	3,064	3,690	25,781	10%
TRANSPORTATION	2,646	3	20,986	1,563	-	1,731	-	67	26,998	10%
MISCELLANEOUS USES	90	17	-	62	-	925	4	188	1,288	0%
TOTAL FINAL DEMAND SECTORS	7,192	619	23,254	10,631	-	27,284	3,116	7,702	79,800	31%
TRANSFORMATION										
ELECTRICITY GEN.	382	141	-	-	-	4,691	202,404	-54,164	153,455	59%
PETROLEUM PRODUCTS	-11,234	-5,491	-16,313	-8,053	43,391	1,913	-	-	3,211	1%
NATURAL GAS	-	-	-	-85,090	-	91,919	-	-	6,828	3%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-10,851	-5,349	-16,313	-93,144	43,391	98,524	202,404	-54,164	163,495	63%
TOTAL GROSS FLOWS	7,575	760	23,254	10,631	43,391	125,809	205,521	7,702	243,296	93%
LOSSES & OMISSIONS	-221	-23	-25	-0	188	1,646	14,697	840	17,101	7%
TOTAL NET USAGE	-3,881	-5,754	6,915	-82,513	43,579	127,455	220,218	-45,621	260,398	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	227,012	518,059	335,621	-	1,080,693	100%
HYDROELECTRIC	-	-	-	-	-	-	-	3,285	3,285	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	227,012	518,059	335,621	3,285	1,083,979	
NET IMPORTS OF REGION	-3,881	-5,754	6,915	-82,513	-183,433	-390,603	-115,402	-48,907	-823,580	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 73.91%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 7.09%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	4,752	984	-	7,040	-	17,737	412	3,744	34,672	16%
INDUSTRIAL	7,682	860	2,018	11,382	-	24,063	136	6,887	53,031	25%
TRANSPORTATION	15,645	26	26,946	6,498	-	3,922	33	124	53,198	25%
MISCELLANEOUS USES	547	118	-	140	-	2,543	66	207	3,623	2%
TOTAL FINAL DEMAND SECTORS	28,628	1,989	28,965	25,062	-	48,266	648	10,964	144,525	68%
TRANSFORMATION										
ELECTRICITY GEN.	29	75	-	-	-	32	74,255	-16,453	57,940	27%
PETROLEUM PRODUCTS	-82,367	-24,972	-120,712	-50,239	262,063	16,283	-	-	56	0%
NATURAL GAS	-	-	-	-21,748	-	23,493	-	-	1,744	1%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-82,337	-24,896	-120,712	-71,987	262,063	39,810	74,255	-16,453	59,741	28%
TOTAL GROSS FLOWS	28,657	2,065	28,965	25,062	262,063	88,076	74,904	10,964	204,267	96%
LOSSES & OMISSIONS	-839	-64	-31	-1	1,136	1,152	5,356	1,197	7,906	4%
TOTAL NET USAGE	-54,549	-22,971	-31,777	-46,927	263,200	89,229	80,260	-4,291	212,173	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	416,015	154,921	427,375	-	998,312	100%
HYDROELECTRIC	-	-	-	-	-	-	-	3,539	3,539	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	416,015	154,921	427,375	3,539	1,001,852	
NET IMPORTS OF REGION	-54,549	-22,971	-31,777	-46,927	-152,815	-65,691	-347,114	-7,831	-789,678	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 77.88%
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.02%
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 7.43%
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	11,097	2,527	-	20,186	-	66,034	1,834	13,554	115,234	21%
INDUSTRIAL	9,396	13,461	5,812	22,888	-	69,573	57,111	14,133	192,376	35%
TRANSPORTATION	25,741	68	78,208	15,116	-	1,796	109	262	121,302	22%
MISCELLANEOUS USES	2,972	1,015	-	603	-	3,046	411	1,657	9,706	2%

TOTAL FINAL DEMAND SECTORS	49,207	17,072	84,021	58,794	-	140,450	59,466	29,607	438,620	80%

TRANSFORMATION										
ELECTRICITY GEN.	21	1,677	-	-	-	3,455	125,733	-38,401	92,485	17%
PETROLEUM PRODUCTS	-79,667	-24,153	-127,114	-37,872	253,195	15,651	-	-	36	0%
NATURAL GAS	-	-	-	-18,701	-	20,202	-	-	1,500	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-79,646	-22,476	-127,114	-56,574	253,195	39,309	125,733	-38,401	94,023	17%

TOTAL GROSS FLOWS	49,228	18,750	84,021	58,794	253,195	179,759	185,199	29,607	532,644	97%
LOSSES & OMISSIONS	-1,442	-583	-90	-3	1,098	2,353	13,243	3,232	17,808	3%

TOTAL NET USAGE	-31,881	-5,986	-43,184	2,216	254,293	182,112	198,443	-5,561	550,452	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	243,846	210,190	284,558	-	738,595	99%
HYDROELECTRIC	-	-	-	-	-	-	-	4,348	4,348	1%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	243,846	210,190	284,558	4,348	742,944	

NET IMPORTS OF REGION	-31,881	-5,986	-43,184	2,216	10,446	-28,077	-86,114	-9,910	-192,492	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=70.66%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.01%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	7,411	233	-	6,450	-	8,482	995	9,101	32,674	27%
INDUSTRIAL	4,644	640	3,919	5,650	-	15,882	574	13,949	45,261	37%
TRANSPORTATION	6,468	9	24,337	5,661	-	2,670	98	297	40,042	33%
MISCELLANEOUS USES	328	17	-	69	-	356	94	305	1,172	1%
TOTAL FINAL DEMAND SECTORS	18,851	900	28,756	17,831	-	27,392	1,763	23,654	119,151	98%

TRANSFORMATION										
ELECTRICITY GEN.	29	-	-	-	-	20	-	-12	36	0%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	29	-	-	-	-	20	-	-12	36	0%
TOTAL GROSS FLOWS	18,880	900	28,756	17,831	-	27,412	1,763	23,654	119,188	98%
LOSSES & OMISSIONS	-553	-28	-31	-1	-	358	126	2,582	2,454	2%
TOTAL NET USAGE	18,327	872	28,725	17,830	-	27,770	1,889	26,225	121,642	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	11,057	11,057	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	11,057	11,057	

NET IMPORTS OF REGION	18,327	872	28,725	17,830	-	27,770	1,889	15,167	110,585	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=74.47%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,690	249	-	5,318	-	14,727	46	4,323	27,356	31%
INDUSTRIAL	2,970	1,471	1,991	1,981	-	11,902	155	8,683	29,155	33%
TRANSPORTATION	6,533	82	17,110	4,032	-	1,124	3	118	29,004	33%
MISCELLANEOUS USES	43	53	-	53	-	1,292	3	145	1,591	2%

TOTAL FINAL DEMAND SECTORS	12,237	1,857	19,102	11,386	-	29,046	207	13,270	87,108	98%

TRANSFORMATION										
ELECTRICITY GEN.	3	-	-	-	-	-	-	-1	2	0%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	3	-	-	-	-	-	-	-1	2	0%

TOTAL GROSS FLOWS	12,240	1,857	19,102	11,386	-	29,046	207	13,270	87,110	98%
LOSSES & OMISSIONS	-358	-57	-20	-0	-	380	14	1,448	1,406	2%

TOTAL NET USAGE	11,882	1,799	19,081	11,385	-	29,426	222	14,718	88,516	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	16,917	16,917	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	50	50	0%

TOTAL SUPPLY	-	-	-	-	-	-	-	16,968	16,968	

NET IMPORTS OF REGION	11,882	1,799	19,081	11,385	-	29,426	222	-2,250	71,548	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=66.67%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
{ALL UNITS IN 10**12 JOULES}										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	9,886	2,628	-	7,195	-	15,171	531	20,431	55,845	29%
INDUSTRIAL	6,401	2,187	4,734	6,740	-	13,257	700	30,595	54,518	33%
TRANSPORTATION	9,603	729	47,761	6,374	-	1,683	28	292	66,473	34%
MISCELLANEOUS USES	260	308	-	154	-	658	42	648	2,071	1%
TOTAL FINAL DEMAND SECTORS	26,152	5,854	52,495	20,464	-	30,770	1,302	51,967	139,008	97%
TRANSFORMATION										
ELECTRICITY GEN.	7	-	-	-	-	-	-	-1	6	0%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	7	-	-	-	-	-	-	-1	6	0%
TOTAL GROSS FLOWS	26,160	5,854	52,496	20,464	-	30,770	1,302	51,967	189,014	97%
LOSSES & OMISSIONS	-766	-182	-56	-1	-	402	93	5,674	5,163	3%
TOTAL NET USAGE	25,393	5,672	52,439	20,462	-	31,173	1,395	57,641	194,178	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	226,107	226,107	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	226,107	226,107	
NET IMPORTS OF REGION	25,393	5,672	52,439	20,462	-	31,173	1,395	-168,466	-31,929	

NOTES:

- | | | | |
|---|-------------------------|--------------------|---------|
| 1 | TRANSFORMATION LOSS FOR | ELECTRICITY GEN. | =95.71% |
| 2 | TRANSFORMATION LOSS FOR | PETROLEUM PRODUCTS | = 0.0 % |
| 3 | TRANSFORMATION LOSS FOR | NATURAL GAS | = 0.0 % |
| 4 | TRANSFORMATION LOSS FOR | SYN-GAS | = 0.0 % |

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE -

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	26,578	10,518	-	16,935	-	48,012	149	68,172	170,767	23%
INDUSTRIAL	18,715	12,743	10,550	49,011	-	56,691	2,164	54,314	204,190	28%
TRANSPORTATION	25,280	11,423	150,867	66,697	-	6,986	11	994	262,262	36%
MISCELLANEOUS USES	1,909	2,347	-	938	-	3,912	28	3,630	12,767	2%
TOTAL FINAL DEMAND SECTORS	72,483	37,432	161,418	133,582	-	115,602	2,354	127,112	649,987	89%
TRANSFORMATION										
ELECTRICITY GEN.	3	472	-	7	-	-	81,773	-22,074	60,181	8%
PETROLEUM PRODUCTS	-76,907	-133,923	-351,736	-159,196	713,798	10,319	-	-	2,353	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-76,904	-133,451	-351,736	-159,189	713,798	10,319	81,773	-22,074	62,534	9%
TOTAL GROSS FLOWS	72,486	37,905	161,418	133,590	713,798	125,921	84,127	127,112	712,522	97%
LOSSES & OMISSIONS	-2,124	-1,178	-174	-7	3,096	1,648	6,016	13,879	21,155	3%
TOTAL NET USAGE	-6,544	-97,197	-190,492	-25,614	716,894	127,570	90,143	118,917	733,677	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	76,356	-	76,356	74%
HYDROELECTRIC	-	-	-	-	-	-	-	26,566	26,566	26%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	76,356	26,566	102,923	
NET IMPORTS OF REGION	-6,544	-97,197	-190,492	-25,614	716,894	127,570	13,786	92,351	630,754	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 73.16%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.32%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	4,491	1,911	-	2,984	-	7,901	27	11,723	29,038	29%
INDUSTRIAL	4,052	1,175	2,908	3,355	-	7,489	586	8,632	28,198	29%
TRANSPORTATION	6,136	359	28,162	2,968	-	493	1	156	38,277	39%
MISCELLANEOUS USES	82	228	-	81	-	312	2	304	1,011	1%

TOTAL FINAL DEMAND SECTORS	14,762	3,674	31,070	9,388	-	16,196	617	20,816	96,526	98%

TRANSFORMATION										
ELECTRICITY GEN.	1	-	-	-	-	-	-	-	1	0%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	1	-	-	-	-	-	-	-	1	0%

TOTAL GROSS FLOWS	14,764	3,674	31,070	9,388	-	16,196	617	20,816	96,527	98%
LOSSES & OMISSIONS	-432	-114	-33	-0	-	212	44	2,272	1,948	2%

TOTAL NET USAGE	14,331	3,560	31,036	9,388	-	16,408	661	23,089	98,475	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	61,374	61,374	84%
NUCLEAR	-	-	-	-	-	-	-	11,908	11,908	16%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	73,283	73,283	

NET IMPORTS OF REGION	14,331	3,560	31,036	9,388	-	16,408	661	-50,193	25,192	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=*****%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	17,271	10,646	-	12,460	-	30,324	161	48,648	119,511	23%
INDUSTRIAL	12,130	16,156	6,868	15,269	-	53,108	2,376	59,282	165,192	32%
TRANSPORTATION	30,233	2,836	112,671	58,029	-	8,022	7	872	212,673	41%
MISCELLANEOUS USES	429	1,172	-	312	-	889	13	719	3,536	1%
TOTAL FINAL DEMAND SECTORS	60,064	30,811	119,540	86,071	-	92,344	2,558	109,522	500,914	97%
TRANSFORMATION										
ELECTRICITY GEN.	127	-	-	-	-	2	-	-32	97	0%
PETROLEUM PRODUCTS	-3,016	-5,152	-	-15,794	26,472	393	-	-	2,901	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-2,889	-5,152	-	-15,794	26,472	395	-	-32	2,998	1%
TOTAL GROSS FLOWS	60,192	30,811	119,540	86,071	26,472	92,740	2,558	109,522	503,913	98%
LOSSES & OMISSIONS	-1,763	-958	-128	-4	114	1,213	182	11,958	10,614	2%
TOTAL NET USAGE	55,411	24,700	119,411	70,272	26,587	93,954	2,741	121,449	514,527	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	110,991	110,991	100%
NUCLEAR	-	-	-	-	-	-	-	7	7	0%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	110,998	110,998	
NET IMPORTS OF REGION	55,411	24,700	119,411	70,272	26,587	93,954	2,741	10,450	403,529	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=74.80%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=10.80%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
(ALL UNITS IN 10**12 JOULES)									
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	5,696	3,421	-	4,232	-	9,826	53	16,028	39,260 27%
INDUSTRIAL	3,354	2,330	2,019	4,668	-	10,345	298	10,676	33,693 24%
TRANSPORTATION	11,788	472	37,997	13,667	-	1,727	2	245	65,900 46%
MISCELLANEOUS USES	364	669	-	103	-	280	4	195	1,618 1%
TOTAL FINAL DEMAND SECTORS	21,204	6,894	40,016	22,671	-	22,190	358	27,146	140,472 98%
TRANSFORMATION									
ELECTRICITY GEN.	-	-	-	-	-	-	-	-	-
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-	-	-	-	-	-	-	-	-
TOTAL GROSS FLOWS	21,204	6,894	40,016	22,671	-	22,190	358	27,146	140,472 98%
LOSSES & OMISSIONS	-621	-214	-43	-1	-	290	25	2,964	2,399 2%
TOTAL NET USAGE	20,583	6,679	39,973	22,670	-	22,470	384	30,110	142,872
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	11,640	11,640 100%
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	11,640	11,640
NET IMPORTS OF REGION	20,583	6,679	39,973	22,670	-	22,470	384	18,469	131,231

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 0.0 %
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
- 3 TRANSFORMATION LOSS FOR NATURAL GAS = 0.0 %
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
			(ALL UNITS IN 10**12 JOULES)							

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	6,329	344	-	5,376	-	7,301	850	8,426	28,629	32%
INDUSTRIAL	3,284	356	3,110	1,556	-	9,633	472	5,183	23,597	27%
TRANSPORTATION	3,524	21	21,505	6,113	-	1,719	44	150	33,078	37%
MISCELLANEOUS USES	770	68	-	124	-	535	161	523	2,183	2%

TOTAL FINAL DEMAND SECTORS	13,908	791	24,615	13,171	-	19,189	1,528	14,284	87,489	98%

TRANSFORMATION										
ELECTRICITY GEN.	-	-	-	-	-	-	-	-	-	-
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-	-	-	-	-	-	-	-	-	-

TOTAL GROSS FLOWS	13,908	791	24,615	13,171	-	19,189	1,528	14,284	87,489	98%
LOSSES & OMISSIONS	-407	-24	-26	-0	-	251	109	1,559	1,460	2%

TOTAL NET USAGE	13,501	766	24,589	13,170	-	19,441	1,637	15,843	88,949	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	12,799	12,799	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	12,799	12,799	

NET IMPORTS OF REGION	13,501	766	24,589	13,170	-	19,441	1,637	3,043	76,149	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 0.0 %
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	1,086	67	-	2,152	-	9,986	48	7,838	21,180	21%
INDUSTRIAL	3,083	300	1,579	1,069	-	6,175	290	4,197	15,695	17%
TRANSPORTATION	3,372	1	22,524	17,875	-	237	-	171	44,182	45%
MISCELLANEOUS USES	116	12	-	89	-	841	-	293	1,353	1%

TOTAL FINAL DEMAND SECTORS	7,657	381	24,103	21,187	-	17,241	338	12,500	83,411	84%

TRANSFORMATION										
ELECTRICITY GEN.	65	4,322	-	-	-	16,401	-	-6,825	13,963	14%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	65	4,322	-	-	-	16,401	-	-6,825	13,963	14%

TOTAL GROSS FLOWS	7,723	4,704	24,103	21,187	-	33,642	338	12,500	97,374	99%
LOSSES & OMISSIONS	-226	-146	-26	-1	-	440	24	1,364	1,429	1%

TOTAL NET USAGE	7,496	4,558	24,077	21,186	-	34,083	362	7,039	98,804	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	222	222	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	-	-	-	222	222	

NET IMPORTS OF REGION	7,496	4,558	24,077	21,186	-	34,083	362	6,817	98,581	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 67.17%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	1,934	183	-	3,651	-	16,623	128	11,690	34,212	15%
INDUSTRIAL	1,433	411	1,917	1,712	-	5,509	323	3,398	14,707	6%
TRANSPORTATION	2,958	2	32,770	49,710	-	318	3	217	85,980	38%
MISCELLANEOUS USES	386	52	-	166	-	1,344	6	469	2,426	1%
TOTAL FINAL DEMAND SECTORS	6,712	649	34,688	55,241	-	23,796	462	15,775	137,326	60%
TRANSFORMATION										
ELECTRICITY GEN.	291	4,007	-	-	-	10,765	102,278	-36,274	81,067	36%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	291	4,007	-	-	-	10,765	102,278	-36,274	81,067	36%
TOTAL GROSS FLOWS	7,003	4,656	34,688	55,241	-	34,561	102,740	15,775	218,394	96%
LOSSES & OMISSIONS	-205	-144	-37	-3	-	452	7,347	1,722	9,131	4%
TOTAL NET USAGE	6,798	4,512	34,650	55,238	-	35,013	110,087	-18,776	227,525	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	9,780	-	-	-	9,780	62%
HYDROELECTRIC	-	-	-	-	-	-	-	5,976	5,976	38%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	9,780	-	-	5,976	15,756	
NET IMPORTS OF REGION	6,798	4,512	34,650	55,238	-9,780	35,013	110,087	-24,752	211,768	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.09%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	2,025	43	-	12,402	-	39,096	-	29,797	83,363	16%
INDUSTRIAL	11,565	3,443	6,977	8,679	-	53,531	1,246	20,488	105,933	21%
TRANSPORTATION	14,933	1	112,167	52,765	-	15,369	-	393	195,630	39%
MISCELLANEOUS USES	266	4	-	429	-	2,493	-	1,830	5,024	1%

TOTAL FINAL DEMAND SECTORS	28,791	3,492	119,144	74,276	-	110,490	1,246	52,508	389,951	77%

TRANSFORMATION										
ELECTRICITY GEN.	11,363	23,161	-	-	-	13,535	98,110	-46,141	100,028	20%
PETROLEUM PRODUCTS	-848	-1,465	-32	-1,551	6,741	112	-	-	2,956	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	10,515	21,696	-32	-1,551	6,741	13,648	98,110	-46,141	102,985	20%

TOTAL GROSS FLOWS	40,155	26,653	119,144	74,276	6,741	124,138	99,356	52,508	492,937	98%
LOSSES & OMISSIONS	-1,176	-829	-28	-4	29	1,624	7,105	5,733	12,354	2%

TOTAL NET USAGE	38,130	24,359	118,983	72,720	6,770	125,763	106,461	12,101	505,291	

SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	3,882	289	160,934	-	165,106	86%
HYDROELECTRIC	-	-	-	-	-	-	-	26,185	26,185	14%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	3,882	289	160,934	26,185	191,292	

NET IMPORTS OF REGION	38,130	24,359	118,983	72,720	2,887	125,474	-54,472	-14,084	313,999	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=68.43%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	=43.14%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, CCHM.	681	14	-	4,118	-	13,024	-	9,928	27,768	20%
INDUSTRIAL	6,228	1,053	1,951	1,338	-	14,697	99	9,498	34,867	24%
TRANSPORTATION	6,841	-	36,742	14,190	-	4,013	-	137	61,925	44%
MISCELLANEOUS USES	179	2	-	242	-	1,199	-	994	2,618	2%
TOTAL FINAL DEMAND SECTORS	13,930	1,070	38,694	19,890	-	32,935	99	20,559	127,179	89%
TRANSFORMATION										
ELECTRICITY GEN.	158	13,518	-	-	-	5,574	-	-5,934	13,316	9%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	158	13,518	-	-	-	5,574	-	-5,934	13,316	9%
TOTAL GROSS FLOWS	14,088	14,588	38,694	19,890	-	38,509	99	20,559	140,496	99%
LOSSES & OMISSIONS	-412	-453	-41	-1	-	504	7	2,244	1,846	1%
TOTAL NET USAGE	13,676	14,135	38,652	19,889	-	39,013	106	16,869	142,342	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	-	-	-
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	-	-	-
NET IMPORTS OF REGION	13,676	14,135	38,652	19,889	-	39,013	106	16,869	142,342	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=69.17%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	617	663	-	10,857	-	66,185	-	22,132	100,656	26%
INDUSTRIAL	3,255	377	5,069	2,392	-	11,467	372	5,038	27,973	7%
TRANSPORTATION	7,448	6,654	94,143	48,837	-	1,549	-	338	158,972	42%
MISCELLANEOUS USES	7,577	1,958	-	1,435	-	21,463	-	5,313	37,748	10%
TOTAL FINAL DEMAND SECTORS	19,099	9,654	99,213	63,522	-	100,665	372	32,823	325,350	85%
TRANSFORMATION										
ELECTRICITY GEN.	178	64,211	-	4	-	15,464	-	-25,396	54,462	14%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	178	64,211	-	4	-	15,464	-	-25,396	54,462	14%
TOTAL GROSS FLOWS	19,277	73,866	99,213	63,526	-	116,130	372	32,823	379,813	99%
LOSSES & OMISSIONS	-564	-2,297	-107	-3	-	1,520	26	3,583	2,157	1%
TOTAL NET USAGE	18,712	71,569	99,106	63,522	-	117,650	398	11,010	381,970	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	2	2	0%
NUCLEAR	-	-	-	-	-	-	-	11,583	11,583	100%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	11,585	11,585	
NET IMPORTS OF REGION	18,712	71,569	99,106	63,522	-	117,650	398	-575	370,384	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 68.20%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	6,201	5,203	-	75,582	-	470,935	-	162,907	720,829	26%
INDUSTRIAL	30,608	22,299	35,130	184,044	-	301,228	41,529	93,205	703,045	25%
TRANSPORTATION	79,281	60,533	656,360	63,204	-	15,295	-	4,429	879,105	31%
MISCELLANEOUS USES	5,451	1,706	-	2,786	-	94,497	-	12,005	116,447	4%
TOTAL FINAL DEMAND SECTORS	121,542	89,743	691,490	325,618	-	881,956	41,529	272,547	2,424,428	86%
TRANSFORMATION										
ELECTRICITY GEN.	1,055	387,006	-	-	-	125,610	-	-173,458	340,214	12%
PETROLEUM PRODUCTS	-228,688	-398,276	-775,512	-499,419	1,873,845	30,602	-	-	2,550	0%
NATURAL GAS	-	-	-	-20,434	-	22,074	-	-	1,640	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-227,633	-11,269	-775,512	-519,854	1,873,845	178,288	-	-173,458	344,405	12%
TOTAL GROSS FLOWS	122,598	476,750	691,490	325,618	1,873,845	1,060,245	41,529	272,547	2,768,833	99%
LOSSES & OMISSIONS	-3,592	-14,823	-746	-18	8,128	13,878	2,969	29,759	35,550	1%
TOTAL NET USAGE	-109,683	63,645	-84,768	-194,254	1,881,973	1,074,123	44,499	128,848	2,804,384	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	1,017,236	138,644	-	-	1,155,881	99%
HYDROELECTRIC	-	-	-	-	-	-	-	10,216	10,216	1%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. SOLAR	-	-	-	-	-	-	-	70	70	0%
TOTAL SUPPLY	-	-	-	-	1,017,236	138,644	-	10,287	1,166,168	
NET IMPORTS OF REGION	-109,683	63,645	-84,768	-194,254	864,736	935,478	44,499	118,560	1,638,215	

NOTES:

1	TRANSFORMATION LOSS FOR ELECTRICITY GEN.	=66.23%
2	TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS	= 0.13%
3	TRANSFORMATION LOSS FOR NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL
(ALL UNITS IN 10**12 JOULES)									
FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	549	436	-	7,601	-	45,887	-	15,194	69,670 28%
INDUSTRIAL	8,516	7,052	5,168	9,859	-	25,218	1,476	11,852	70,144 28%
TRANSPORTATION	10,082	2,267	71,343	5,525	-	804	-	421	90,445 36%
MISCELLANEOUS USES	662	202	-	306	-	10,096	-	1,316	12,584 5%
TOTAL FINAL DEMAND SECTORS	19,811	9,959	77,511	23,293	-	82,007	1,476	28,785	242,845 97%
TRANSFORMATION									
ELECTRICITY GEN.	20	-	-	-	-	79	-	-13	85 0%
PETROLEUM PRODUCTS	-39,889	-69,470	-135,270	-87,112	326,848	5,338	-	-	444 0%
NATURAL GAS	-	-	-	-19,242	-	20,786	-	-	1,544 1%
SYN-GAS	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-39,869	-69,470	-135,270	-106,355	326,848	26,204	-	-13	2,073 1%
TOTAL GROSS FLOWS	19,831	9,959	77,511	23,293	326,848	108,211	1,476	28,785	244,919 98%
LOSSES & OMISSIONS	-581	-309	-93	-1	1,417	1,416	105	3,143	5,107 2%
TOTAL NET USAGE	-20,639	-59,820	-57,842	-83,063	328,266	109,628	1,582	31,914	250,026
SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	772,609	77,880	-	-	850,489 98%
HYDROELECTRIC	-	-	-	-	-	-	-	21,297	21,297 2%
NUCLEAR	-	-	-	-	-	-	-	-	-
GEO. SOLAR	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	772,609	77,880	-	21,297	871,787
NET IMPORTS OF REGION	-20,639	-59,820	-57,842	-83,063	-444,343	31,748	1,582	10,617	-621,761

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 66.17%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.13%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0%

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	334	257	-	4,856	-	28,969	-	9,437	43,854	29%
INDUSTRIAL	4,457	508	3,795	3,076	-	18,809	430	5,472	36,650	24%
TRANSPORTATION	6,423	1,596	44,418	3,327	-	584	-	285	56,736	38%
MISCELLANEOUS USES	393	130	-	242	-	8,694	-	1,061	10,522	7%
TOTAL FINAL DEMAND SECTORS	11,609	2,692	48,213	11,503	-	57,057	430	16,256	147,763	99%
TRANSFORMATION										
ELECTRICITY GEN.	-	-	-	-	-	-	-	-	-	-
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION										
TOTAL GROSS FLOWS	11,609	2,692	48,213	11,503	-	57,057	430	16,256	147,763	99%
LOSSES & OMISSIONS	-340	-83	-52	-0	-	746	30	1,775	2,076	1%
TOTAL NET USAGE	11,268	2,609	48,161	11,502	-	57,804	461	18,031	149,839	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	21,849	21,849	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	21,849	21,849	
NET IMPORTS OF REGION										
	11,268	2,609	48,161	11,502	-	57,804	461	-3,817	127,990	

NOTES:

- 1 TRANSFORMATION LOSS FOR ELECTRICITY GEN. = 0.0 %
- 2 TRANSFORMATION LOSS FOR PETROLEUM PRODUCTS = 0.0 %
- 3 TRANSFORMATION LOSS FOR NATUEAL GAS = 0.0 %
- 4 TRANSFORMATION LOSS FOR SYN-GAS = 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	OTHER GASOLINE HYDRO- CARBONS (ALL UNITS IN 10**12 JOULES)	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	

FINAL DEMAND SECTORS									
RESIDENTIAL, COMM.	644	528	-	8,312	-	51,055	-	17,437	77,979 32%
INDUSTRIAL	4,199	762	4,744	2,907	-	12,115	417	4,608	29,754 12%
TRANSPORTATION	11,975	3,173	73,451	8,724	-	1,010	-	527	98,863 40%
MISCELLANEOUS USES	1,244	415	-	787	-	28,388	-	3,446	34,283 14%

TOTAL FINAL DEMAND SECTORS	18,063	4,890	73,196	20,732	-	92,570	417	26,019	240,880 99%

TRANSFORMATION									
ELECTRICITY GEN.	-	-	-	-	-	-	-	-	-
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-

NET FUEL USED IN TRANSFORMATION	-	-	-	-	-	-	-	-	-

TOTAL GROSS FLOWS	18,063	4,890	73,196	20,732	-	92,570	417	26,019	240,880 99%
LOSSES & OMISSIONS	-529	-151	-84	-1	-	1,211	29	2,841	3,316 1%

TOTAL NET USAGE	17,534	4,728	73,112	20,730	-	93,781	447	28,860	244,196

SUPPLY OF ENERGY									
FOSSIL FUEL	-	-	-	-	62	23,633	-	-	23,696 31%
HYDROELECTRIC	-	-	-	-	-	-	-	44,074	44,074 57%
NUCLEAR	-	-	-	-	-	-	-	9,035	9,035 12%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-

TOTAL SUPPLY	-	-	-	-	62	23,633	-	53,110	76,806

NET IMPORTS OF REGION	17,534	4,728	73,112	20,730	-62	70,148	447	-24,249	167,390

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 0.0 %
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	93	72	-	1,338	-	8,030	-	2,657	12,192	31%
INDUSTRIAL	1,064	171	834	1,004	-	2,682	183	1,458	7,399	19%
TRANSPORTATION	3,457	369	11,969	480	-	145	-	98	16,521	42%
MISCELLANEOUS USES	47	20	-	54	-	2,206	-	248	2,577	7%
TOTAL FINAL DEMAND SECTORS	4,663	633	12,804	2,878	-	13,064	183	4,462	38,691	99%
TRANSFORMATION										
ELECTRICITY GEN.	-	-	-	-	-	-	-	-	-	-
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION										
	-	-	-	-	-	-	-	-	-	-
TOTAL GROSS FLOWS	4,663	633	12,804	2,878	-	13,064	183	4,462	38,691	99%
LOSSES & OMISSIONS	-136	-19	-13	-0	-	171	13	487	501	1%
TOTAL NET USAGE	4,526	614	12,790	2,878	-	13,235	196	4,950	39,192	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	45,790	45,790	100%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	45,790	45,790	
NET IMPORTS OF REGION										
	4,526	614	12,790	2,878	-	13,235	196	-40,840	-6,598	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 0.0 %
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	62	49	-	867	-	5,220	-	1,709	7,908	30%
INDUSTRIAL	627	152	485	764	-	1,955	246	1,085	5,318	20%
TRANSPORTATION	1,667	309	7,584	299	-	91	-	34	9,986	38%
MISCELLANEOUS USES	23	8	-	23	-	894	-	102	1,051	4%
TOTAL FINAL DEMAND SECTORS	2,380	520	8,069	1,954	-	8,162	246	2,932	24,265	92%
TRANSFORMATION										
ELECTRICITY GEN.	-	440	-	-	-	1,773	-	-554	1,659	6%
PETROLEUM PRODUCTS	-	-	-	-	-	-	-	-	-	-
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-	440	-	-	-	1,773	-	-554	1,659	6%
TOTAL GROSS FLOWS	2,380	960	8,069	1,954	-	9,935	246	2,932	25,924	99%
LOSSES & OMISSIONS	-69	-29	-8	-0	-	130	17	320	359	1%
TOTAL NET USAGE	2,310	931	8,060	1,954	-	10,065	264	2,697	26,284	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	1,984	1,984	59%
NUCLEAR	-	-	-	-	-	-	-	1,379	1,379	41%
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	-	-	-	3,363	3,363	
NET IMPORTS OF REGION	2,310	931	3,060	1,954	-	10,065	264	-666	22,920	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 74.94%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.0 %
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	3,139	2,661	-	37,198	-	233,483	-	81,702	358,185	24%
INDUSTRIAL	15,776	5,035	19,201	129,350	-	149,435	13,932	38,886	371,618	25%
TRANSPORTATION	51,864	57,029	333,632	60,694	-	13,461	-	3,285	519,968	35%
MISCELLANEOUS USES	5,372	1,556	-	2,009	-	59,916	-	8,394	77,249	5%
TOTAL FINAL DEMAND SECTORS	76,152	66,283	352,834	229,252	-	456,297	13,932	132,268	1,327,021	89%
TRANSFORMATION										
ELECTRICITY GEN.	130	67,887	-	-	-	153,438	-	-73,966	147,490	10%
PETROLEUM PRODUCTS	-131,564	-229,126	-446,149	-287,314	1,078,016	17,605	-	-	1,467	0%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-131,433	-161,238	-446,149	-287,314	1,078,016	171,044	-	-73,966	148,957	10%
TOTAL GROSS FLOWS	76,283	134,171	352,834	229,252	1,078,016	627,341	13,932	132,268	1,475,979	99%
LOSSES & OMISSIONS	-2,235	-4,173	-380	-13	4,676	8,211	996	14,442	21,524	1%
TOTAL NET USAGE	-57,516	-99,128	-93,695	-58,075	1,082,692	635,553	14,929	72,744	1,497,503	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	88,860	69,856	-	-	158,716	93%
HYDROELECTRIC	-	-	-	-	-	-	-	252	252	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	11,686	11,686	7%
TOTAL SUPPLY	-	-	-	-	88,860	69,856	-	11,938	170,654	
NET IMPORTS OF REGION	-57,516	-99,128	-93,695	-58,075	993,831	565,697	14,929	60,806	1,326,848	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 66.60%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 0.13%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO- CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	15,660	85	-	3,074	-	9,516	162	5,329	33,829	15%
INDUSTRIAL	5,726	4,104	3,165	10,510	-	3,307	-	735	27,549	12%
TRANSPORTATION	10,006	3,251	22,864	87,528	-	565	15	305	124,539	54%
MISCELLANEOUS USES	3,866	78	-	409	-	8,900	88	248	13,592	6%
TOTAL FINAL DEMAND SECTORS	35,260	7,519	26,030	101,522	-	22,290	266	6,619	199,509	87%
TRANSFORMATION										
ELECTRICITY GEN.	4,265	9	-	-	-	21,190	6,196	-6,798	24,864	11%
PETROLEUM PRODUCTS	-15,692	-27,321	-53,196	-29,300	126,360	2,088	-	-	2,938	1%
NATURAL GAS	-	-	-	-3,258	-	3,519	-	-	261	0%
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-11,426	-27,311	-53,196	-32,558	126,360	26,799	6,196	-6,798	28,065	12%
TOTAL GROSS FLOWS	39,526	7,529	26,030	101,522	126,360	49,089	6,463	6,619	227,575	100%
LOSSES & OMISSIONS	-1,158	-234	-28	-5	548	642	462	722	949	0%
TOTAL NET USAGE	22,675	-20,026	-27,194	68,957	126,908	49,731	6,926	544	228,524	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	440,361	184,774	18,470	-	643,606	100%
HYDROELECTRIC	-	-	-	-	-	-	-	1,284	1,284	0%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	-	-	-
TOTAL SUPPLY	-	-	-	-	440,361	184,774	18,470	1,284	644,891	
NET IMPORTS OF REGION	22,675	-20,026	-27,194	68,957	-313,452	-135,042	-11,544	-740	-416,367	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	=78.53%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 2.29%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 7.43%
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

REGIONAL ENERGY BALANCE STATEMENT
 BY SECTOR AND FUEL TYPE

SECTOR	DISTILLATE OIL	RESIDUAL OIL	GASOLINE	OTHER HYDRO-CARBONS	CRUDE OIL	NATURAL GAS	COAL	ELECTRICITY	SECTOR TOTAL	
(ALL UNITS IN 10**12 JOULES)										
FINAL DEMAND SECTORS										
RESIDENTIAL, COMM.	515	6	-	6,990	-	1,586	-	13,727	22,825	10%
INDUSTRIAL	3,741	4,574	3,911	5,338	-	460	-	4,565	22,591	10%
TRANSPORTATION	5,950	6,509	38,124	73,819	-	49	-	602	125,455	58%
MISCELLANEOUS USES	1,406	1	-	761	-	263	-	255	2,687	1%
TOTAL FINAL DEMAND SECTORS	11,613	11,092	42,035	86,909	-	2,360	-	19,149	173,560	80%
TRANSFORMATION										
ELECTRICITY GEN.	2,634	58,889	-	-	-	-	-	-19,599	41,925	19%
PETROLEUM PRODUCTS	-21,504	-37,841	-72,898	-41,124	172,294	2,861	-	-	2,187	1%
NATURAL GAS	-	-	-	-	-	-	-	-	-	-
SYN-GAS	-	-	-	-	-	-	-	-	-	-
NET FUEL USED IN TRANSFORMATION	-18,869	21,448	-72,898	-41,124	172,294	2,861	-	-19,599	44,112	20%
TOTAL GROSS FLOWS	14,248	70,381	42,035	86,909	172,294	5,222	-	19,149	217,673	100%
LOSSES & OMISSIONS	-417	-2,189	-45	-5	747	68	-	2,090	249	0%
TOTAL NET USAGE	-7,673	30,751	-30,907	45,779	173,041	5,290	-	1,641	217,923	
SUPPLY OF ENERGY										
FOSSIL FUEL	-	-	-	-	-	-	-	-	-	-
HYDROELECTRIC	-	-	-	-	-	-	-	65	65	42%
NUCLEAR	-	-	-	-	-	-	-	-	-	-
GEO. & SOLAR	-	-	-	-	-	-	-	89	89	58%
TOTAL SUPPLY	-	-	-	-	-	-	-	155	155	
NET IMPORTS OF REGION	-7,673	30,751	-30,907	45,779	173,041	5,290	-	1,486	217,768	

NOTES:

1	TRANSFORMATION LOSS FOR	ELECTRICITY GEN.	= 69.14%
2	TRANSFORMATION LOSS FOR	PETROLEUM PRODUCTS	= 1.25%
3	TRANSFORMATION LOSS FOR	NATURAL GAS	= 0.0 %
4	TRANSFORMATION LOSS FOR	SYN-GAS	= 0.0 %

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