PN-ACH-479
104612

UKRAINE
Power Sector Regulatory Reform and Restructuring
Task - Institutional Development Activity
Delivery Order No. 4-01
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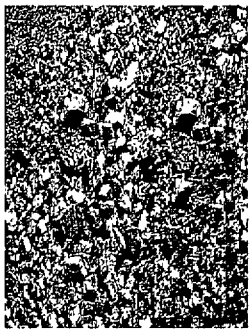

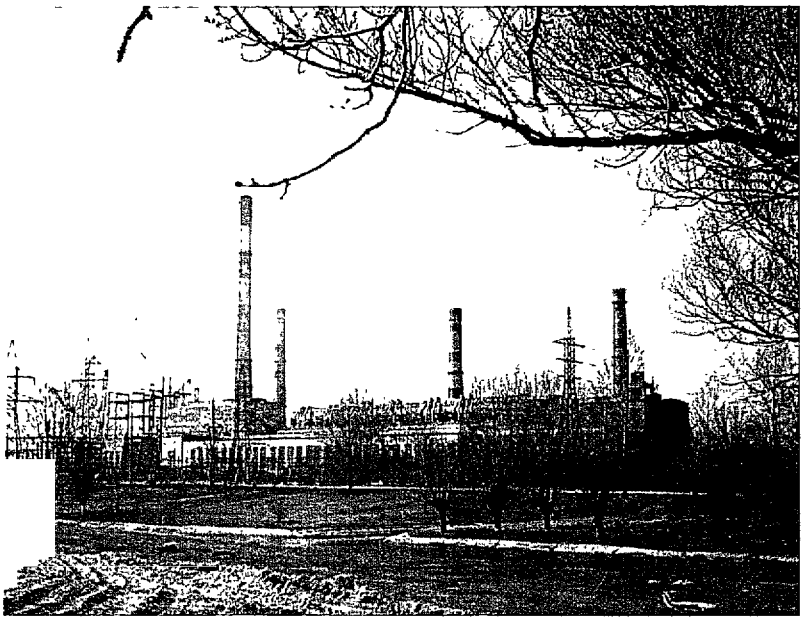

GENCO CASH FLOW AND FUEL USE ANALYSIS

Prepared by:

Price Waterhouse LLP

October 20, 1995

Memorandum

To	Genco Advisors (PW)
From/Location	Sanjay Wagle (PW)
Date	October 20, 1995
Re	Ukraine Genco Cash Flow and Fuel Use Analysis - DRAFT

This package contains a DRAFT of our cash flow and fuel use analysis of the Ukraine Fossil Generating Companies (Gencos). The primary outputs of the analysis are:

(1) Genco Cash Flow Analysis
(2) Genco Fuel Use Analysis
(3) Genco Fuel Inventory Analysis
(4) Genco Revenue Adequacy Analysis

These four analyses are for the one-year period from September, 1995 through August 1996. The results reflect recently updated shadow bids, available capacities, fuel prices, and fuel heat content data. The input data and assumptions continue to be refined.

Base Case Scenario

The attached analysis represents Scenario 1, the base case scenario, which is designed to represent the optimal operation of the Ukraine power generation sector. The purpose of the base case is to illustrate how the sector would ideally operate in the absence of constraints such as fuel unavailability or cash shortages. We will develop other scenarios to reflect the actual operation of the Ukraine power generation sector, including real constraints. The primary assumptions of the base case scenario are discussed below:

Merit Order Costs = Shadow Bids
The merit order table in this model is based on the shadow bids from September 14, 1995.[1] A comparison with data from other days shows September 14 to be a representative day. This merit order is assumed to remain constant for an entire year. Because the base case represents the optimal operation of the sector, bids were entered for all units, even units that did not submit bids or that submitted incomplete bids on September 14. We estimated bids for those units based on the September 14 bids of similar units.

[1] National Dispatch Center, day-ahead report for September 14, 1995.

Assuming the bids accurately reflect the variable costs of the units, this merit order represents the most efficient means of supplying the required energy demand. Because constraints actually exist, in Scenario 2 will reflect the unavailability of fuel. Bids will be entered not for all plants, as in the base case scenario, but only for those plants that can obtain fuel. This scenario should more closely reflect actual conditions in Ukraine today.

Unit Availability Percentages
The unit availability percentages from the original KPMG data set[2] were reduced for coal units to reflect the poor quality coal being burned in Ukrainian plants. This reduction was based upon a comparison of the design capacity of the blocks compared with the lower maximum available capacities bid for each block on Sep 14, 1995. It is assumed that the difference between design capacity and the maximum available capacity bid on September 14 is due entirely to poor quality fuel. The availability percentages were also reduced to reflect an additional 1-week boiler cleaning and maintenance outage due to the poor quality of coal burned. These percentages were compared to unit de-rating information provided by the Gencos. The results of this comparison were inconclusive, and the correct de-rating percentages must still be determined.

Customer Load
The hourly customer load curves from the original KPMG data set were scaled to the level of NDC's estimated loads for each month from September, 1995 through August, 1996. The estimated annual energy demand is approximately 192.25 TWh.

* * * *

Below, we discuss the four component analyses that together comprise the Genco Cash Flow and Fuel Use Analysis, and we outline the key assumptions on which they are based. The four component analyses are: (1) Genco Cash Flow Analysis; (2) Genco Fuel Use Analysis; (3) Genco Fuel Inventory Analysis; and (4) Genco Revenue Adequacy Analysis.

(1) Genco Cash Flow Analysis

The attached cash flow pages (Tables 15 A-F) summarize the annual results of the merit order despatch, based on September 14th's bids. For each Genco, the pages show the energy generated by each unit (in MWh) and actual generation as a percentage of the unit's potential annual generation. The revenues shown are equal to the hourly SMP (in $ per MWh) times hourly generation (in MWh) for each unit. The estimated annual fuel costs are taken from the Fuel Use Analysis (See below). The non-fuel operating costs

[2] Alan Kidd fax, March, 1995.

are assumed to be equal to 9% of fuel costs. To treat non-fuel operating cost as a fixed cost, the total non-fuel operating cost was allocated to each plant based on its installed capacity (in MW). The "cash flow" for each plant is calculated as SMP-derived revenues, minus estimated fuel costs, minus estimated non-fuel operating costs.

Finally, the Cash Flow Summary page (Table 15F) also shows an estimate of the generation costs based on each unit's bid, compares the bid-based generation costs to the estimated fuel costs, and calculates the cash flow using bid-based generation costs instead of the estimated fuel costs.

(2) Genco Fuel Use Analysis

The fuel use analysis estimates the tonnes of coal, tonnes of oil, and million cubic meters of natural gas that will be needed to meet the estimated level of energy demand. The analysis begins by estimating the monthly generation despatched from each of the plants. The assumptions used in the fuel use analysis are discussed below:

Heat Rates
We used the heat rates in the original KPMG data set, which were developed by Jim Galambas. The heat rates were used in the fuel use analysis to determine how much heat input will be required, by unit, to generate the energy (MWh) estimated in the monthly despatch table.

Fuel Mix
We updated the fuel mix percentages originally developed by KPMG, based on more recent information from the Gencos. The fuel mix percentages are assumed to represent the percentages of heat input provided by coal, oil, and gas.

Heat Content
We have refined the estimates for the heat contents (measured in kcal/kg) of the coal, oil, and gas supplies used by each plant.

Fuel Prices
The assumed fuel prices, based on a report from Minenergo dated October 8, 1995 are $34.00 per tonne for coal, $90.00 per tonne for oil, and $80.80 per 1,000 cubic meters for gas.

(3) Genco Fuel Inventory Analysis

Although fuel consumption has been estimated above in the fuel use analysis, in order to estimate actual monthly expenditures on fuel purchases, we must first estimate the build-up or draw-down of fuel inventories in each month. This analysis estimates the required build-up of inventories for the winter and also takes into account lags between orders and deliveries of fuel. Although the results of the analysis are shown in summary

format for each Genco, the calculations were conducted on a plant-by-plant basis. The main assumptions of the fuel inventory analysis are discussed below:

Days Burn of Inventory
The planned fuel inventory levels for coal and oil are calculated by multiplying the assumed days burn of inventory by the current month's fuel use. In the current version of the analysis, it is assumed that each plant will attempt to obtain 90 days of inventory by December and will draw-down inventories through the winter to 7 days by March.

Fuel Delivery Lags
Based on discussions with the Gencos, it is assumed that coal and oil deliveries occur one month after order and that natural gas deliveries occur two months after order.

Another important assumption is that Gencos must pay for fuel purchases upon order rather than upon delivery. This assumption must be checked. Although the full detail for calculating oil and natural gas expenditures is not shown in Table 45, these expenditures were estimated in the same way as were coal expenditures.

(4) Genco Revenue Adequacy Analysis

The purpose of the revenue adequacy analysis is to determine whether, under the base case assumptions, the Gencos would be able to purchase the fuel they need (estimated above). The key assumptions of the revenue adequacy analysis are discussed below:

% of SMP Revenues in Cash
Based on the current level of cash collections by the Gencos, it is assumed that Gencos will receive 60% of the SMP-based revenues in cash. For now, all other payments, such as no-load, start-up, and capacity payments, have been disregarded in the current analysis.

% of Fuel Obtainable in Barter
If, after deducting the cash portion of non-fuel operating expenses from the cash portion of SMP revenues, there is not enough cash to meet the required fuel expenditures (estimated in the fuel inventory analysis above), it is assumed that the Gencos barter for the fuel. It is currently assumed that the Gencos can meet up to 20% of their fuel expenditure requirements through barter. This assumption must be refined.

Potential Increase in Fuel Debt
If barter is not sufficient to meet the remaining fuel expenditure requirements, it is assumed that the Gencos can increase their fuel debt by up to 20% of the current month's SMP-based revenues. This assumption must be refined.

If net cash SMP revenues, barter, and increased fuel debt are still not sufficient, the remaining fuel deficit is shown at the bottom of the sheet. The fuel deficit is expressed

both in millions of dollars and thousands of tonnes of coal. In the current version of the revenue adequacy analysis, the fuel deficit is greatest in October 1995, as the Gencos are ordering fuel to build up inventories for the winter, but SMP revenues are still low.

DISTRIBUTION:

Fred Karlson	Project Director
Charles Adams	Advisor to Tsentroenergo
Robert Borgstrom	Advisor to Donbassenergo
Vincent Fahy	Advisor to Zakhidenergo
Hilary Sayer	Advisor to Dniproenergo

TABLE 15A: COMPANY 1 - DONBASS

September 1995 - August 1996
Based on Shadow Bids, Plant Capacities, and Estimated Load from NDC for 9-14-95

GENERATING STATION	CAPACITY (MW)	TOTAL ANNUAL ENERGY (GWh)	POTENTIAL ANNUAL ENERGY (GWh)	% OF POTENTIAL ANNUAL ENERGY (%)	OPERATING REVENUE (US$ million)	ESTIMATED ANNUAL FUEL COSTS (US$ million)	NON-FUEL OPERATING EXPENSES (US$ million)	CASH FLOW (US$ million)	BID-DERIVED VARIABLE COSTS (US$ MILLION	RATIO OF BID COSTS TO FUEL COSTS
Starobesh 4	200	998	1,024	97.5%	25.49				(21.99)	
Starobesh 5	200	993	1,024	97.0%	25.39				(21.89)	
Starobesh 6	200	1,007	1,024	98.4%	25.69				(22.20)	
Starobesh 7	200	1,011	1,024	98.7%	25.76				(22.27)	
Starobesh 8	200	1,011	1,024	98.7%	25.76				(22.27)	
Starobesh 9	200	1,004	1,024	98.0%	25.62				(22.13)	
Starobesh 10	200	1,011	1,024	98.7%	25.76				(22.27)	
Starobesh 11	200	995	1,024	97.1%	25.41				(21 92)	
Starobesh 12	200	994	1,024	97.0%	25.40				(21.90)	
Starobesh 13	200	991	1,024	96.7%	25.32				(21.83)	
Sub total Starobesh	2,000	10,014	10,241	97.8%	255.61	(200.98)	(12.09)	42.54	(220.66)	1.10
Lugansk 4	100	0	499	0.0%	0.00				0.00	
Lugansk 5	100	5	499	0.9%	0.13				(0.13)	
Lugansk 6	100	0	499	0.0%	0.00				0.00	
Lugansk 8	175	0	817	0.0%	0.00				0.00	
Lugansk 9	175	0	817	0.0%	0.00				0.00	
Lugansk 10	175	0	677	0.0%	0.00				0.00	
Lugansk 11	175	0	817	0.0%	0.00				0.00	
Lugansk 12	175	0	817	0.0%	0.00				0.00	
Lugansk 13	175	0	817	0.0%	0.00				0.00	
Lugansk 14	175	0	817	0.0%	0.00				0.00	
Lugansk 15	175	0	958	0.0%	0.00				0.00	
Sub total Lugansk	1,700	5	8,035	0.1%	0.13	(0.11)	(10.28)	(10.26)	(0.13)	1.13
Kurakhov 3	200	821	1,094	75.0%	21.33				(20.20)	
Kurakhov 4	210	752	1,093	68.8%	19.62				(18.50)	
Kurakhov 5	210	881	1,156	76.2%	22.88				(21.69)	
Kurakhov 6	210	855	1,156	74.0%	22.23				(21.05)	
Kurakhov 7	210	787	1,156	68.1%	20.55				(19.37)	
Kurakhov 8	210	841	1,156	72.7%	21.87				(20.68)	
Kurakhov 9	210	810	1,156	70.1%	21.12				(19.93)	
Sub total Kurakhov	1,460	5,747	7,967	72.1%	149.61	(149.22)	(8.83)	(8.43)	(141.42)	0.95
Slaviansk 3	80	0	468	0.0%	0.00				0.00	
Slaviansk 5	100	0	585	0.0%	0.00				0.00	
Slaviansk 6	720	0	3,878	0.0%	0.00				0.00	
Slaviansk 7	800	16	4,309	0.4%	0.46				(0.46)	
Sub total Slaviansk	1,700	16	9,239	0.2%	0.46	(0.32)	(10.28)	(10.14)	(0.46)	1.45
Zuyev 1	300	1,465	1,782	82.2%	37.85				(35.71)	
Zuyev 2	300	1,497	1,782	84.0%	38.64				(36.50)	
Zuyev 3	300	1,417	1,782	79.5%	36.69				(34.56)	
Zuyev 4	300	1,383	1,782	77.6%	35.85				(33.71)	
Sub total Zuyev	1,200	5,762	7,127	80.8%	149.04	(123.80)	(7.26)	17.98	(140.48)	1.13
TOTAL	8,060	21,544	42,609	50.6%	554.85	(474.44)	(48.74)	31.68	(503.16)	1.06

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TABLE 15B: **COMPANY 2 - DNIPRO**

September 1995 - August 1996
Based on Shadow Bids, Plant Capacities, and Estimated Load from NDC for 9-14-95

GENERATOR UNIT	CAPACITY (MW)	TOTAL ANNUAL ENERGY (GWh)	POTENTIAL ANNUAL ENERGY (GWh)	% OF POTENTIAL ANNUAL ENERGY (%)	OPERATING REVENUE (US$ million)	ESTIMATED ANNUAL FUEL COSTS (US$ million)	NON-FUEL OPERATING EXPENSES (US$ million)	CASH FLOW (US$ million)	BID-DERIVED VARIABLE COSTS (US$ MILLIO	RATIO OF BID COSTS TO FUEL COSTS
Krivoroj 1	282	1,462	1,714	85.3%	37.70				(35.29)	
Krivoroj 2	282	1,537	1,714	89.7%	39.50				(36.89)	
Krivoroj 3	282	1,654	1,714	96.5%	42.30				(37.53)	
Krivoroj 4	282	1,524	1,714	88.9%	39.20				(36.59)	
Krivoroj 5	282	1,652	1,714	96.4%	42.24				(37.71)	
Krivoroj 6	282	1,511	1,714	88.1%	38.87				(36.26)	
Krivoroj 7	282	1,549	1,714	90.3%	39.78				(37.17)	
Krivoroj 8	282	1,495	1,714	87.2%	38.49				(35.88)	
Krivoroj 9	282	302	1,714	17.6%	8.20				(7.93)	
Krivoroj 10	282	257	1,714	15.0%	7.02				(6.75)	
Sub total Krivoroj	**2,820**	**12,943**	**17,141**	**75.5%**	**333.33**	**(299.68)**	**(17.05)**	**16.59**	**(307.98)**	**1.03**
Pridneprov 7	150	818	821	99.6%	20.81				(16.50)	
Pridneprov 8	150	815	821	99.3%	20.75				(16.43)	
Pridneprov 9	150	815	821	99.3%	20.76				(16.45)	
Pridneprov 10	150	815	821	99.3%	20.76				(16.45)	
Pridneprov 11	285	912	1,573	58.0%	23.92				(23.31)	
Pridneprov 12	285	965	1,573	61.4%	25.28				(24.67)	
Pridneprov 13	285	1,007	1,573	64.0%	26.34				(25.73)	
Pridneprov 14	285	1,047	1,573	66.6%	27.37				(26.76)	
Sub total Pridneprov	**1,740**	**7,195**	**9,576**	**75.1%**	**185.98**	**(145.64)**	**(10.52)**	**29.83**	**(166.30)**	**1.14**
Zaporozh 1	300	1,712	1,712	100.0%	43.51				(27.81)	
Zaporozh 2	300	1,712	1,712	100.0%	43.51				(27.82)	
Zaporozh 3	300	1,712	1,712	100.0%	43.51				(27.82)	
Zaporozh 4	300	1,712	1,712	100.0%	43.51				(27.82)	
Zaporozh 5	800	2,421	5,068	47.8%	63.85				(62.44)	
Zaporozh 6	800	2,740	5,068	54.1%	72.09				(70.68)	
Zaporozh 7	800	1,207	5,068	23.8%	32.55				(31.14)	
Sub total Zaporozh	**3,600**	**13,216**	**22,051**	**59.9%**	**342.51**	**(308.93)**	**(21.77)**	**11.82**	**(275.53)**	**0.89**
TOTAL	**8,160**	**33,353**	**48,769**	**68.4%**	**861.83**	**(754.25)**	**(49.34)**	**58.24**	**(749.81)**	**0.99**

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TABLE 15C: **COMPANY 3 - ZAKHID**

September 1995 - August 1996
Based on Shadow Bids, Plant Capacities, and Estimated Load from NDC for 9-14-95

GENERATOR UNIT	CAPACITY (MW)	TOTAL ANNUAL ENERGY (GWh)	POTENTIAL ANNUAL ENERGY (GWh)	% OF POTENTIAL ANNUAL ENERGY (%)	OPERATING REVENUE (US$ million)	ESTIMATED ANNUAL FUEL COSTS (US$ million)	NON-FUEL OPERATING EXPENSES (US$ million)	CASH FLOW (US$ million)	BID-DERIVED VARIABLE COSTS (US$ MILLIO	RATIO OF BID COSTS TO FUEL COSTS
Burstin 1	195	1,184	1,186	99.9%	30.12				(20.21)	
Burstin 2	185	1,188	1,188	100.0%	30.19				(20.09)	
Burstin 3	185	1,188	1,188	100.0%	30.19				(20.09)	
Burstin 4	195	1,193	1,193	100.0%	30.33				(20.18)	
Burstin 5	195	1,179	1,179	100.0%	29.97				(19.86)	
Burstin 6	185	1,181	1,181	100.0%	30.01				(19.97)	
Burstin 7	185	1,181	1,181	100.0%	30.01				(19.98)	
Burstin 8	195	1,193	1,193	100.0%	30.33				(18.83)	
Burstin 9	195	1,193	1,193	100.0%	30.33				(18.83)	
Burstin 10	195	1,193	1,193	100.0%	30.33				(19.28)	
Burstin 11	195	1,193	1,193	100.0%	30.33				(19.28)	
Burstin 12	195	1,193	1,193	100.0%	30.33				(19.28)	
Sub total Burstin	**2,300**	**14,259**	**14,261**	**100.0%**	**362.46**	**(333.59)**	**(13.91)**	**14.96**	**(235.89)**	**0.71**
Dobrotvor 4	100	579	585	99.1%	14.78				(12.58)	
Dobrotvor 5	100	578	585	98.9%	14.75				(12.56)	
Dobrotvor 6	100	578	585	98.8%	14.74				(12.55)	
Dobrotvor 7	150	859	891	96.4%	21.96				(19.54)	
Dobrotvor 8	150	671	680	98.7%	17.12				(14.60)	
Sub total Dobrotvor	**600**	**3,265**	**3,325**	**98.2%**	**83.35**	**(84.74)**	**(3.63)**	**(5.02)**	**(71.83)**	**0.85**
Ladyzhin 1	300	157	1,782	8.8%	4.30				(4.28)	
Ladyzhin 2	300	60	1,782	3.4%	1.66				(1.64)	
Ladyzhin 3	300	182	1,782	10.2%	5.01				(4.98)	
Ladyzhin 4	300	240	1,782	13.5%	6.59				(6.54)	
Ladyzhin 5	300	126	1,782	7.1%	3.48				(3.45)	
Ladyzhin 6	300	38	1,782	2.1%	1.07				(1.05)	
Sub total Ladyzhin	**1,800**	**804**	**10,690**	**7.5%**	**22.11**	**(17.85)**	**(10.88)**	**(6.63)**	**(21.93)**	**1.23**
TOTAL	**4,700**	**18,328**	**28,277**	**64.8%**	**467.92**	**(436.19)**	**(28.42)**	**3.31**	**(329.65)**	**0.76**

TABLE 15D: **COMPANY 4 - TZENTR**

September 1995 - August 1996
Based on Shadow Bids, Plant Capacities, and Estimated Load from NDC for 9-14-95

GENERATOR UNIT	CAPACITY (MW)	TOTAL ANNUAL ENERGY (GWh)	POTENTIAL ANNUAL ENERGY (GWh)	% OF POTENTIAL ANNUAL ENERGY (%)	OPERATING REVENUE (US$ million)	ESTIMATED ANNUAL FUEL COSTS (US$ million)	NON-FUEL OPERATING EXPENSES (US$ million)	CASH FLOW (US$ million)	BID-DERIVED VARIABLE COSTS (US$ MILLIO	RATIO OF BID COSTS TO FUEL COSTS
Uglegorsk 1	300	1,852	1,957	94.6%	47.43				(44.29)	
Uglegorsk 2	300	1,876	1,957	95.9%	48.00				(44.86)	
Uglegorsk 3	300	1,817	1,957	92.9%	46.60				(43.46)	
Uglegorsk 4	300	1,790	1,957	91.4%	45.93				(42.80)	
Uglegorsk 5	800	1,880	5,068	37.1%	49.89				(48.48)	
Uglegorsk 6	800	1,508	5,068	29.7%	40.30				(38.89)	
Uglegorsk 7	800	2,209	5,068	43.6%	58.37				(56.96)	
Sub total Uglegorsk	**3,600**	**12,932**	**23,033**	**56.1%**	**336.52**	**(257.38)**	**(21.77)**	**57.38**	**(319.73)**	**1.24**
Zmiev 1	175	0	1,168	0.0%	0.00				0.00	
Zmiev 2	175	0	1,168	0.0%	0.00				0.00	
Zmiev 3	175	0	1,168	0.0%	0.00				0.00	
Zmiev 4	175	0	1,168	0.0%	0.00				0.00	
Zmiev 5	175	0	1,168	0.0%	0.00				0.00	
Zmiev 6	175	0	1,168	0.0%	0.00				0.00	
Zmiev 7	275	109	2,066	5.3%	3.02				(3.00)	
Zmiev 8	275	251	2,066	12.1%	6.88				(6.84)	
Zmiev 9	275	11	1,014	1.1%	0.30				(0.30)	
Zmiev 10	275	13	1,084	1.2%	0.37				(0.37)	
Sub total Zmiev	**2,150**	**384**	**13,237**	**2.9%**	**10.58**	**(7.76)**	**(13.00)**	**(10.18)**	**(10.51)**	**1.35**
Tripolye 1	300	0	1,957	0.0%	0.00				0.00	
Tripolye 2	300	0	1,957	0.0%	0.00				0.00	
Tripolye 3	300	0	1,957	0.0%	0.00				0.00	
Tripolye 4	300	0	1,957	0.0%	0.00				0.00	
Tripolye 5	300	0	1,957	0.0%	0.00				0.00	
Tripolye 6	300	0	1,957	0.0%	0.00				0.00	
Sub total Tripolye	**1,800**	**0**	**11,743**	**0.0%**	**0.00**	**0.00**	**(10.88)**	**(10.88)**	**0.00**	**N/A**
TOTAL	**7,550**	**13,316**	**48,013**	**27.7%**	**347.10**	**(265.14)**	**(45.65)**	**36.31**	**(330.24)**	**1.25**

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TABLE 15E: **COMPANY 5 - CHP 1**

September 1995 - August 1996
Based on Shadow Bids, Plant Capacities, and Estimated Load from NDC for 9-14-95

GENERATOR UNIT	CAPACITY (MW)	TOTAL ANNUAL ENERGY (GWh)	POTENTIAL ANNUAL ENERGY (GWh)	% OF POTENTIAL ANNUAL ENERGY (%)	OPERATING REVENUE (US$ million)	ESTIMATED ANNUAL FUEL COSTS (US$ million)	NON-FUEL OPERATING EXPENSES (US$ million)	CASH FLOW (US$ million)	BID-DERIVED VARIABLE COSTS (US$ MILLIO	RATIO OF BID COSTS TO FUEL COSTS
CHP 1 (Ht)	1,670	8,929	8,929	100.0%	228.22		0.00	**228.22**	(8.93)	
CHP 1 (Elec)	1,920	2,886	2,886	100.0%	71.80		0.00	**71.80**	(2.89)	
TOTAL	**3,590**	**11,815**	**11,815**	**100.0%**	**300.02**	**(305.87)**	**0.00**	**(5.85)**	**(11.81)**	**0.04**

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TABLE 15F: CASH FLOW SUMMARY

September 1995 - August 1996
Based on Shadow Bids, Plant Capacities, and Estimated Load from NDC for 9-14-95

COMPANY	CAPACITY (MW)	TOTAL ANNUAL GENERATION (GWh)	POTENTIAL ANNUAL ENERGY (GWh)	% OF POTENTIAL ANNUAL ENERGY (%)	SMP-DERIVED REVENUE (US$ million)	ESTIMATED ANNUAL FUEL COSTS (US$ million) (1)	NON-FUEL OPERATING EXPENSES (US$ million) (2)	CASH FLOW (US$ million)	BID-DERIVED VARIABLE COSTS (US$ million)	BID-BASED CASH FLOW (US$ million)
COMPANY 1 - DONBASS										
Starobesh	2,000	10,014	10,241	97.8%	255.61	(200.98)	(12.09)	42.54	(220.66)	22.86
Lugansk	1,700	5	8,035	0.1%	0.13	(0.11)	(10.28)	(10.26)	(0.13)	(10.28)
Kurakhov	1,460	5,747	7,967	72.1%	149.61	(149.22)	(8.83)	(8.43)	(141.42)	(0.64)
Slaviansk	1,700	16	9,239	0.2%	0.46	(0.32)	(10.28)	(10.14)	(0.46)	(10.28)
Zuyev	1,200	5,762	7,127	80.8%	149.04	(123.80)	(7.26)	17.98	(140.48)	1.30
Sub total Company 1	8,060	21,544	42,609	50.6%	554.85	(474.44)	(48.74)	31.68	(503.16)	2.96
COMPANY 2 - DNIPRO										
Krivoroj	2,820	12,943	17,141	75.5%	333.33	(299.68)	(17.05)	16.59	(307.98)	8.30
Pridneprov	1,740	7,195	9,576	75.1%	185 98	(145.64)	(10.52)	29.83	(166.30)	9.16
Zaporozh	3,600	13,216	22,051	59.9%	342.51	(308.93)	(21.77)	11.82	(275.53)	45.21
Sub total Company 2	8,160	33,353	48,769	68.4%	861.83	(754.25)	(49.34)	58.24	(749.81)	62.67
COMPANY 3 - ZAKHID										
Burstin	2,300	14,259	14,261	100.0%	362.46	(333.59)	(13.91)	14.96	(235.89)	112.66
Dobrotvor	600	3,265	3,325	98.2%	83.35	(84.74)	(3.63)	(5.02)	(71.83)	7.89
Ladyzhin	1,800	804	10,690	7.5%	22.11	(17.85)	(10.88)	(6.63)	(21.93)	(10.71)
Sub total Company 3	4,700	18,328	28,277	64.8%	467.92	(436.19)	(28.42)	3.31	(329.65)	109.85
COMPANY 4 - TZENTR										
Uglegorsk	3,600	12,932	23,033	56.1%	336.52	(257.38)	(21.77)	57.38	(319.73)	(4.98)
Zmiev	2,150	384	13,237	2.9%	10.58	(7.76)	(13.00)	(10.18)	(10.51)	(12.93)
Tripolye	1,800	0	11,743	0.0%	0.00	0.00	(10.88)	(10.88)	0.00	(10.88)
Sub total Company 4	7,550	13,316	48,013	27.7%	347.10	(265.14)	(45.65)	36.31	(330.24)	(28.79)
COMPANY 5 - CHP 1										
CHP 1 (Ht)	1,670	8,929	8,929	100.0%						
CHP 1 (Elec)	1,920	2,886	2,886	100.0%						
Sub total Company 5	3,590	11,815	11,815	100.0%	0.00	0.00	0.00	0.00	0.00	0.00
Nuclear	12,761	69,308	69,308	100.0%						
Hydro	4,609	9,698	9,698	100.0%						
CHP 2 (Ht)	2,393	11,979	11,979	100.0%						
CHP 2 (Elec)	2,413	2,791	2,791	100.0%						
TOTAL: FOSSIL GENCOS	28,470	86,541	167,668	51.6%	2,231.70	(1,930.01)	(172.16)	129.54	(1,912.86)	146.68

Notes:
(1) Fuel costs estimated based on projected generation and assumptions about heat rates, fuel contents, and fuel prices. Fuel cost estimate does not include changes in invent
(2) Non-Fuel costs estimated as 9% of total fuel costs, alloc ted to individual plants based on their MW capacity.

TABLE 15F: CASH FLOW SUMMARY

COMPANY	CAPACITY (MW)	TOTAL ANNUAL GENERATION (GWh)	POTENTIAL ANNUAL ENERGY (GWh)	% OF POTENTIAL ANNUAL ENERGY (%)	WEIGHTED AVERAGE SMP ($ per MWh)	WEIGHTED AVERAGE BID ($ per MWh)	ESTIMATED FUEL COSTS PER MWh ($ per MWh)	MARGIN: SMP LESS FUEL COST ($ per MWh)	RATIO OF BID TO FUEL COST (ratio)	
COMPANY 1 - DONBASS										
Starobesh	2,000	10,014	10,241	97.8%	25.53	22.04	20.07	5.46	1.10	
Lugansk	1,700	5	8,035	0.1%	28.27	28.27	25.00	3.27	1.13	
Kurakhov	1,460	5,747	7,967	72.1%	26.03	24.61	25.96	0.07	0.95	
Slaviansk	1,700	16	9,239	0.2%	28.27	28.27	19.53	8.74	1.45	bid costs signif. higher than fuel
Zuyev	1,200	5,762	7,127	80.8%	25.87	24.38	21.49	4.38	1.13	bid costs signif. higher than fuel
Sub total Company 1	8,060	21,544	42,609	50.6%	25.75	23.35	22.02	3.73	1.06	
COMPANY 2 - DNIPRO										
Krivoroj	2,820	12,943	17,141	75.5%	25.75	23.80	23.15	2.60	1.03	
Pridneprov	1,740	7,195	9,576	75.1%	25.85	23.11	20.24	5.61	1.14	
Zaporozh	3,600	13,216	22,051	59.9%	25.92	20.85	23.38	2.54	0.89	
Sub total Company 2	8,160	33,353	48,769	68.4%	25.84	22.48	22.61	3.23	0.99	
COMPANY 3 - ZAKHID										
Burstin	2,300	14,259	14,261	100.0%	25.42	16.54	23.39	2.02	0.71	bid costs signif. lower than fuel
Dobrotvor	600	3,265	3,325	98.2%	25.53	22.00	25.95	(0.43)	0.85	bid costs signif. lower than fuel
Ladyzhin	1,800	804	10,690	7.5%	27.51	27.29	22.22	5.29	1.23	
Sub total Company 3	4,700	18,328	28,277	64.8%	25.53	17.99	23.80	1.73	0.76	bid costs signif. lower than fuel
COMPANY 4 - TZENTR										
Uglegorsk	3,600	12,932	23,033	56.1%	26.02	24.73	19.90	6.12	1.24	bid costs signif. higher than fuel
Zmiev	2,150	384	13,237	2.9%	27.54	27.36	20.20	7.34	1.35	bid costs signif. higher than fuel
Tripolye	1,800	0	11,743	0.0%	N/A	N/A	N/A	N/A	N/A	
Sub total Company 4	7,550	13,316	48,013	27.7%	26.07	24.80	19.91	6.16	1.25	bid costs signif. higher than fuel
COMPANY 5 - CHP 1										
CHP 1 (Ht)	1,670	8,929	8,929	100.0%						
CHP 1 (Elec)	1,920	2,886	2,886	100.0%						
Sub total Company 5	3,590	11,815	11,815	100.0%	0.00	0.00	0.00	N/A	N/A	
Nuclear	12,761	69,308	69,308	100.0%						
Hydro	4,609	9,698	9,698	100.0%						
CHP 2 (Ht)	2,393	11,979	11,979	100.0%						
CHP 2 (Elec)	2,413	2,791	2,791	100.0%						
TOTAL: FOSSIL GENCOS	28,470	86,541	167,668	51.6%	25.79	22.10	22.30	3.49	0.99	overall, bid costs close to fuel

Notes:
(1) Fuel costs estimated based on projected generation and ory levels.
(2) Non-Fuel costs estimated as 9% of total fuel costs, alloc

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TABLE 17: MONTHLY GENERATION - BY COMPANY September 1995 - August 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	AVERAGE UNIT BIDS ($/MWh) (1)	SEPT 1995 (GWh)	OCT 1995 (GWh)	NOV 1995 (GWh)	DEC 1995 (GWh)	JAN 1996 (GWh)	FEB 1996 (GWh)	MAR 1996 (GWh)	APR 1996 (GWh)	MAY 1996 (GWh)	JUNE 1996 (GWh)	JULY 1996 (GWh)	AUGUST 1996 (GWh)	TOTAL ANNUAL GEN. (GWh)	AVAIL. ANNUAL GEN. (GWh)	% OF AVAIL. ANNUAL GEN. (%)
1. DONBASS																	
Zuyev	1,200	24.38	355	555	593	561	579	574	612	443	264	395	415	416	5,762	7,127	80.8%
Starobesh	2,000	22.04	739	869	851	978	978	824	880	841	637	788	815	815	10,014	10,241	97.8%
Lugansk A (4-6)	300	28.27	0	0	4	0	0	0	1	0	0	0	0	0	5	1,497	0.3%
Lugansk B (8-15)	1,400	28.27	0	0	0	0	0	0	0	0	0	0	0	0	0	6,538	0.0%
Slaviansk A (3,5)	180	28.27	0	0	0	0	0	0	0	0	0	0	0	0	0	1,052	0.0%
Slaviansk B (6-7)	1,520	28.27	0	0	16	0	0	0	0	0	0	0	0	0	16	8,187	0.2%
Kurakhov	1,460	24.61	349	545	578	570	583	613	650	463	130	409	428	429	5,747	7,967	72.1%
Subtotal	8,060		1,443	1,968	2,042	2,109	2,139	2,011	2,143	1,748	1,032	1,592	1,657	1,660	21,544	42,609	50.6%
2. DNIPRO																	
Pridneprov A (7-10)	600	20.17	253	279	273	313	313	264	282	270	241	253	261	261	3,263	3,283	99.4%
Pridneprov B (11-14)	1,140	25.55	126	395	416	426	438	413	432	354	30	283	306	313	3,932	6,294	62.5%
Krivoroj	2,820	24.22	769	1,231	1,280	1,388	1,400	1,188	1,246	993	732	874	920	923	12,943	17,141	75.5%
Zaporozh A (1-4)	1,200	16.25	527	581	569	654	654	551	588	562	545	527	545	545	6,846	6,846	100.0%
Zaporozh B (5-7)	2,400	25.79	74	710	977	952	947	930	846	279	0	204	220	231	6,369	15,205	41.9%
Subtotal	8,160		1,750	3,194	3,516	3,732	3,751	3,345	3,395	2,457	1,548	2,141	2,251	2,273	33,353	48,769	68.4%
3. ZAKHID																	
Ladyzhin	1,800	27.33	0	80	253	106	114	160	90	0	0	0	0	0	804	10,690	7.5%
Burstin	2,300	16.54	1,098	1,210	1,186	1,361	1,361	1,148	1,225	1,171	1,133	1,098	1,134	1,134	14,259	14,261	100.0%
Dobrotvor A (4-6)	300	21.72	145	150	165	171	171	154	150	145	108	123	127	127	1,735	1,754	98.9%
Dobrotvor B (7-8)	300	22.25	107	133	131	150	150	126	135	129	98	121	125	125	1,530	1,571	97.4%
Subtotal	4,700		1,349	1,573	1,734	1,788	1,796	1,588	1,600	1,445	1,339	1,342	1,386	1,386	18,328	28,277	64.8%
4. TSENTR																	
Uglegorsk A (1-4)	1,200	23.91	469	664	651	747	747	630	673	640	433	520	577	583	7,335	7,828	93.7%
Uglegorsk B (5-7)	2,400	25.79	7	660	971	969	987	940	767	152	0	48	46	51	5,596	15,205	36.8%
Tripolye A (1-4)	1,200	30.76	0	0	0	0	0	0	0	0	0	0	0	0	0	7,828	0.0%
Tripolye B (5-6)	600	28.96	0	0	0	0	0	0	0	0	0	0	0	0	0	3,914	0.0%
Zmiev	2,150	29.02	0	39	124	45	52	73	52	0	0	0	0	0	384	13,237	2.9%
Subtotal	7,550		476	1,363	1,745	1,761	1,786	1,643	1,491	792	433	568	624	634	13,316	48,013	27.7%
5. CHP																	
CHP 1 (Ht)	1,670	1.00	517	832	950	1,056	1,056	920	907	818	559	493	410	410	8,929	8,929	100.0%
CHP 1 (Elec)	1,920	1.00	525	100	69	0	0	39	43	111	414	442	571	571	2,886	2,886	100.0%
CHP 2 (Ht)	2,393	1.00	724	1,033	1,275	1,442	1,442	1,238	1,211	965	730	637	623	659	11,979	11,979	100.0%
CHP 2 (Elec)	2,413	1.00	469	197	87	0	0	49	54	243	377	417	467	431	2,791	2,791	100.0%
Subtotal	8,396		2,235	2,163	2,381	2,499	2,499	2,246	2,214	2,136	2,080	1,990	2,071	2,071	26,585	26,585	100.0%
Fossil	28,470		5,018	8,099	9,037	9,390	9,472	8,587	8,629	6,442	4,352	5,642	5,919	5,953	86,541	167,668	51.6%
CHP	8,396		2,235	2,163	2,381	2,499	2,499	2,246	2,214	2,136	2,080	1,990	2,071	2,071	26,585	26,585	100.0%
Mironov & Kharkov	347		0	14	29	21	19	19	12	0	0	0	0	0	114	1,899	6.0%
Nuclear	12,761		5,697	6,076	5,880	6,646	6,646	5,488	6,076	5,697	5,886	4,961	5,127	5,127	69,308	69,308	100.0%
Hydro	4,609		498	549	597	652	652	619	926	1,460	1,817	796	583	549	9,698	9,698	100.0%
TOTAL	54,583		13,447	16,901	17,925	19,207	19,287	16,959	17,858	15,735	14,136	13,390	13,700	13,700	192,245	275,157	69.9%

(1) Arithmetic mean of the September 14, 1995 shadow bids of all units in each plant.

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TABLE 18: MONTHLY HEAT USE BY PLANT September 1995 - August 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	EFFECTIVE GROSS HEAT RATE (GJ/MWh)	SEPT 1995 (PJ)	OCT 1995 (PJ)	NOV 1995 (PJ)	DEC 1995 (PJ)	JAN 1996 (PJ)	FEB 1996 (PJ)	MAR 1996 (PJ)	APR 1996 (PJ)	MAY 1996 (PJ)	JUNE 1996 (PJ)	JULY 1996 (PJ)	AUGUST 1996 (PJ)	TOTAL HEAT USE Sep 95 to Aug 96 (PJ)
CHP 1 (Ht)	1,670	5.38	2.8	4.5	5.1	5.7	5.7	5.0	4.9	4.4	3.0	2.7	2.2	2.2	48.0
CHP 1 (Elec)	1,920	9.33	4.9	0.9	0.6	0.0	0.0	0.4	0.4	1.0	3.9	4.1	5.3	5.3	26.9
CHP 2 (Ht)	2,393	4.94	3.6	5.1	6.3	7.1	7.1	6.1	6.0	4.8	3.6	3.1	3.1	3.3	59.2
CHP 2 (Elec)	2,413	12.21	5.7	2.4	1.1	0.0	0.0	0.6	0.7	3.0	4.6	5.1	5.7	5.3	34.1
Ladyzhin	1,800	10.81	0.0	0.9	2.7	1.2	1.2	1.7	1.0	0.0	0.0	0.0	0.0	0.0	8.7
Pridneprov A (7-10)	600	11.35	2.9	3.2	3.1	3.6	3.6	3.0	3.2	3.1	2.7	2.9	3.0	3.0	37.0
Pridneprov B (11-14)	1,140	10.81	1.4	4.3	4.5	4.6	4.7	4.5	4.7	3.8	0.3	3.1	3.3	3.4	42.5
Krivoroj	2,820	10.81	8.3	13.3	13.8	15.0	15.1	12.8	13.5	10.7	7.9	9.4	10.0	10.0	140.0
Zaporozh A (1-4)	1,200	10.81	5.7	6.3	6.2	7.1	7.1	6.0	6.4	6.1	5.9	5.7	5.9	5.9	74.0
Zaporozh B (5-7)	2,400	8.93	0.7	6.3	8.7	8.5	8.4	8.3	7.6	2.5	0.0	1.8	2.0	2.1	56.9
Uglegorsk A (1-4)	1,200	10.81	5.1	7.2	7.0	8.1	8.1	6.8	7.3	6.9	4.7	5.6	6.2	6.3	79.3
Uglegorsk B (5-7)	2,400	8.93	0.1	5.9	8.7	8.6	8.8	8.4	6.8	1.4	0.0	0.4	0.4	0.5	50.0
Zuyev	1,200	10.81	3.8	6.0	6.4	6.1	6.3	6.2	6.6	4.8	2.9	4.3	4.5	4.5	62.3
Starobesh	2,000	11.35	8.4	9.9	9.7	11.1	11.1	9.4	10.0	9.5	7.2	9.0	9.3	9.3	113.7
Lugansk A (4-6)	300	12.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Lugansk B (8-15)	1,400	11.35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slaviansk A (3,5)	180	12.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slaviansk B (6-7)	1,520	8.93	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Kurakhov	1,460	11.35	4.0	6.2	6.6	6.5	6.6	7.0	7.4	5.3	1.5	4.6	4.9	4.9	65.3
Mironov	260	12.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tripolye A (1-4)	1,200	10.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tripolye B (5-6)	600	9.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Burstin	2,300	11.35	12.5	13.7	13.5	15.5	15.5	13.0	13.9	13.3	12.9	12.5	12.9	12.9	161.9
Dobrotvor A (4-6)	300	12.49	1.8	1.9	2.1	2.1	2.1	1.9	1.9	1.8	1.4	1.5	1.6	1.6	21.7
Dobrotvor B (7-8)	300	11.35	1.2	1.5	1.5	1.7	1.7	1.4	1.5	1.5	1.1	1.4	1.4	1.4	17.4
Zmiev	2,150	11.14	0.0	0.4	1.4	0.5	0.6	0.8	0.6	0.0	0.0	0.0	0.0	0.0	4.3
Kharkov	87	12.49	0.0	0.2	0.4	0.3	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	1.4
Fossil and CHP	37,213		72.7	100.0	109.5	113.1	114.0	103.5	104.3	83.8	63.5	77.2	81.5	81.6	1,104.8

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TABLE 19: FUEL MIX BY PLANT

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX Coal (%)	Oil (%)	Gas (%)	UKRAININAN FUEL PRICES Coal ($/GJ)	Oil ($/GJ)	Gas ($/GJ)	COMPOSITE FUEL COST ($/GJ)
CHP 1 (Ht)	1,670	95%	5%	-				
CHP 1 (Elec)	1,920	95%	5%	-				
CHP 2 (Ht)	2,393	95%	5%	-				
CHP 2 (Elec)	2,413	95%	5%	-				
Ladyzhin	1,800	90%	0%	10%				
Pridneprov A (7-10)	600	85%	15%	0%				
Pridneprov B (11-14)	1,140	85%	15%	0%				
Krivoroj	2,820	85%	15%	0%				
Zaporozh A (1-4)	1,200	95%	5%	0%				
Zaporozh B (5-7)	2,400	0%	0%	100%				
Uglegorsk A (1-4)	1,200	95%	5%	0%				
Uglegorsk B (5-7)	2,400	0%	100%	0%				
Zuyev	1,200	75%	0%	25%				
Starobesh	2,000	70%	30%	0%				
Lugansk A (4-6)	300	74%	26%	0%				
Lugansk B (8-15)	1,400	74%	26%	0%				
Slaviansk A (3,5)	180	95%	5%	0%				
Slaviansk B (6-7)	1,520	43%	8%	49%	Unit 6 in 1992 was 1.9% mazut, 98.1% gas. Unit 7 in 1994 was 14% mazut, 86% coal			
Kurakhov	1,460	75%	25%	0%				
Mironov	260	-	-	-	-	-	-	
Tripolye A (1-4)	1,200	90%	10%	0%				
Tripolye B (5-6)	600	0%	100%	0%				
Burstin	2,300	90%	10%	0%				
Dobrotvor A (4-6)	300	42.2%	1.5%	56.3%	Updated data for Dobrotvor 4-8			
Dobrotvor B (7-8)	300	42.2%	1.5%	56.3%	Updated data for Dobrotvor 4-8			
Zmiev	2,150	85%	15%	0%				
Kharkov	87	-	-	-	-	-	-	

Source: Composite Fuel Costs by Station for 2000. KPMG presentation "Ukraine Generator Composition Analysis", Draft: 26 April 1994. Sources include PHB (fuel mix) and World Bank (fuel prices). Updated with more recent information provided by the Gencos. (July, 1995)

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TABLE 20: MONTHLY COAL CONSUMPTION - BY COMPAN September 1995 - August 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: COAL (%)	COAL HEAT CONTENT (kcal/kg)	CONV. FACTOR (kg/tonne)	CONV. FACTOR (kcal/GJ)	SEPT 1995 (tonnes)	OCT 1995 (tonnes)	NOV 1995 (tonnes)	DEC 1995 (tonnes)	JAN 1996 (tonnes)	FEB 1996 (tonnes)	MAR 1996 (tonnes)	APR 1996 (tonnes)	MAY 1996 (tonnes)	JUNE 1996 (tonnes)	JULY 1996 (tonnes)	AUGUST 1996 (tonnes)	TOTAL FUEL USE Sep 95 to Aug 96 (tonnes)
1. DONBASS																		
Zuyev	1,200	75%	4,430	1,000	238,892	155,363	242,633	259,165	245,440	253,119	250,846	267,804	193,935	115,680	172,572	181,477	182,108	2,520,142
Starobesh	2,000	70%	5,193	1,000	238,892	270,061	317,737	311,331	357,454	357,454	301,338	321,709	307,488	232,876	288,270	297,879	297,879	3,661,477
Lugansk A (4-6)	300	74%	4,225	1,000	238,892	0	0	2,046	0	0	0	332	0	0	0	0	0	2,378
Lugansk B (8-15)	1,400	74%	4,225	1,000	238,892	0	0	0	0	0	0	0	0	0	0	0	0	0
Slaviansk A (3,5)	180	95%	4,420	1,000	238,892	0	0	0	0	0	0	0	0	0	0	0	0	0
Slaviansk B (6-7)	1,520	43%	4,420	1,000	238,892	0	0	3,361	0	0	0	0	0	0	0	0	0	3,361
Kurakhov	1,460	75%	3,540	1,000	238,892	200,759	312,924	331,965	327,690	334,989	352,304	373,733	266,313	74,899	234,982	245,779	246,607	3,302,943
Subtotal	8,060					626,183	873,293	907,868	930,584	945,562	904,488	963,578	767,736	423,456	695,824	725,135	726,593	9,490,300
2. DNIPRO																		
Pridneprov A (7-10)	600	85%	4,662	1,000	238,892	124,985	137,762	134,984	154,982	154,982	130,651	139,484	133,318	119,241	124,985	129,151	129,151	1,613,677
Pridneprov B (11-14)	1,140	85%	4,662	1,000	238,892	59,556	185,955	196,162	200,446	206,334	194,374	203,543	166,786	14,330	133,465	143,945	147,340	1,852,236
Krivoroj	2,820	85%	3,829	1,000	238,892	440,988	705,811	733,985	795,892	802,853	681,151	714,810	569,311	419,633	500,997	527,819	529,472	7,422,722
Zaporozh A (1-4)	1,200	95%	3,521	1,000	238,892	367,374	404,928	396,764	455,544	455,544	384,028	409,990	391,866	379,620	367,374	379,620	379,620	4,772,271
Zaporozh B (5-7)	2,400	0%	3,521	1,000	238,892	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	8,160					992,904	1,434,455	1,461,896	1,606,863	1,619,713	1,390,204	1,467,826	1,261,280	932,824	1,126,822	1,180,536	1,185,583	15,660,906
3. ZAKHID																		
Ladyzhin	1,800	90%	4,000	1,000	238,892	0	46,720	147,046	61,837	66,074	93,148	52,263	0	0	0	0	0	467,088
Burstin	2,300	90%	4,000	1,000	238,892	670,018	738,508	723,619	830,822	830,822	700,392	747,740	714,686	691,271	670,018	692,352	692,352	8,702,599
Dobrotvor A (4-6)	300	42%	4,000	1,000	238,892	45,607	47,128	51,971	53,704	53,704	48,506	47,128	45,607	34,068	38,713	40,004	40,004	546,144
Dobrotvor B (7-8)	300	42%	4,000	1,000	238,892	30,527	38,154	37,384	42,923	42,923	36,184	38,631	36,923	28,118	34,615	35,769	35,769	437,919
Subtotal	4,700					746,152	870,510	960,021	989,285	993,522	878,231	885,761	797,216	753,456	743,346	768,124	768,124	10,153,750
4. TSENTR																		
Uglegorsk A (1-4)	1,200	95%	4,492	1,000	238,892	256,228	362,926	355,609	408,292	408,292	344,195	367,463	349,851	236,674	284,121	315,479	318,629	4,007,758
Uglegorsk B (5-7)	2,400	0%	4,492	1,000	238,892	0	0	0	0	0	0	0	0	0	0	0	0	0
Tripolye A (1-4)	1,200	90%	4,525	1,000	238,892	0	0	0	0	0	0	0	0	0	0	0	0	0
Tripolye B (5-6)	600	0%	4,525	1,000	238,892	0	0	0	0	0	0	0	0	0	0	0	0	0
Zmiev	2,150	85%	4,747	1,000	238,892	0	18,393	58,843	21,534	24,850	34,712	24,718	0	0	0	0	0	183,050
Subtotal	7,550					256,228	381,319	414,453	429,826	433,142	378,907	392,180	349,851	236,674	284,121	315,479	318,629	4,190,808
5. CHP																		
CHP 1 (Ht)	1,670	95%	4,000	1,000	238,892	157,821	254,104	289,950	322,370	322,370	280,896	276,859	249,577	170,667	150,480	125,156	125,156	2,725,405
CHP 1 (Elec)	1,920	95%	4,000	1,000	238,892	278,076	52,932	36,589	76	76	20,490	22,685	58,542	219,290	234,169	302,469	302,469	1,527,861
CHP 2 (Ht)	2,393	95%	4,000	1,000	238,892	202,822	202,822	202,822	202,822	202,822	202,822	202,822	202,822	202,822	202,822	202,822	202,822	2,433,868
CHP 2 (Elec)	2,413	95%	4,000	1,000	238,892	324,963	136,805	60,178	124	124	33,700	37,311	168,499	261,174	288,856	323,358	298,484	1,933,577
Subtotal	8,396					963,682	646,663	589,539	525,393	525,393	537,908	539,677	679,441	853,952	876,328	953,804	928,931	8,620,711
FOSSIL	28,470					2,621,467	3,559,577	3,744,238	3,956,558	3,991,939	3,551,830	3,709,346	3,176,083	2,346,409	2,850,113	2,989,274	2,998,930	39,495,765
CHP	8,396					963,682	646,663	589,539	525,393	525,393	537,908	539,677	679,441	853,952	876,328	953,804	928,931	8,620,711
TOTAL	36,866					3,585,149	4,206,241	4,333,777	4,481,951	4,517,332	4,089,739	4,249,023	3,855,524	3,200,362	3,726,441	3,943,079	3,927,861	48,116,476

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TABLE 21: MONTHLY OIL CONSUMPTION - BY COMPANY September 1995 - August 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: OIL (%)	OIL HEAT CONTENT (kcal/kg)	CONV. FACTOR (kg/tonne)	CONV. FACTOR (kcal/GJ)	SEPT 1995 (tonnes)	OCT 1995 (tonnes)	NOV 1995 (tonnes)	DEC 1995 (tonnes)	JAN 1996 (tonnes)	FEB 1996 (tonnes)	MAR 1996 (tonnes)	APR 1996 (tonnes)	MAY 1996 (tonnes)	JUNE 1996 (tonnes)	JULY 1996 (tonnes)	AUGUST 1996 (tonnes)	TOTAL FUEL USE Sep 95 to Aug 96 (tonnes)
1. DONBASS																		
Zuyev	1,200	0%	8,981	1,000	238,892	0	0	0	0	0	0	0	0	0	0	0	0	0
Starobesh	2,000	30%	9,588	1,000	238,892	62,687	73,753	72,266	82,973	82,973	69,947	74,675	71,374	54,055	66,913	69,144	69,144	849,904
Lugansk A (4-6)	300	26%	9,650	1,000	238,892	0	0	315	0	0	0	51	0	0	0	0	0	366
Lugansk B (8-15)	1,400	26%	9,650	1,000	238,892	0	0	0	0	0	0	0	0	0	0	0	0	0
Slaviansk A (3,5)	180	5%	9,501	1,000	238,892	0	0	0	0	0	0	0	0	0	0	0	0	0
Slaviansk B (6-7)	1,520	8%	9,501	1,000	238,892	0	0	289	0	0	0	0	0	0	0	0	0	289
Kurakhov	1,460	25%	9,501	1,000	238,892	24,934	38,864	41,229	40,698	41,605	43,755	46,417	33,075	9,302	29,184	30,525	30,628	410,217
Subtotal	8,060					87,620	112,618	114,099	123,671	124,577	113,702	121,143	104,450	63,358	96,098	99,669	99,772	1,260,776
2. DNIPRO																		
Pridneprov A (7-10)	600	15%	9,233	1,000	238,892	11,137	12,275	12,028	13,810	13,810	11,642	12,429	11,879	10,625	11,137	11,508	11,508	143,787
Pridneprov B (11-14)	1,140	15%	9,233	1,000	238,892	5,307	16,569	17,479	17,861	18,385	17,320	18,137	14,861	1,277	11,892	12,826	13,129	165,043
Krivoroj	2,820	15%	9,541	1,000	238,892	31,231	49,986	51,982	56,366	56,859	48,240	50,624	40,319	29,719	35,481	37,381	37,498	525,687
Zaporozh A (1-4)	1,200	5%	9,569	1,000	238,892	7,115	7,842	7,684	8,822	8,822	7,437	7,940	7,589	7,352	7,115	7,352	7,352	92,421
Zaporozh B (5-7)	2,400	0%	9,569	1,000	238,892	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	8,160					54,790	86,673	89,172	96,859	97,876	84,639	89,129	74,649	48,973	65,625	69,067	69,486	926,938
3. ZAKHID																		
Ladyzhin	1,800	0%	9,233	1,000	238,892	0	0	0	0	0	0	0	0	0	0	0	0	0
Burstin	2,300	10%	9,233	1,000	238,892	32,252	35,549	34,833	39,993	39,993	33,714	35,994	34,402	33,275	32,252	33,327	33,327	418,913
Dobrotvor A (4-6)	300	2%	9,233	1,000	238,892	702	726	800	827	827	747	726	702	525	596	616	616	8,410
Dobrotvor B (7-8)	300	2%	9,233	1,000	238,892	470	588	576	661	661	557	595	569	433	533	551	551	6,744
Subtotal	4,700					33,425	36,862	36,209	41,481	41,481	35,019	37,314	35,673	34,233	33,382	34,494	34,494	434,066
4. TSENTR																		
Uglegorsk A (1-4)	1,200	5%	9,572	1,000	238,892	6,329	8,964	8,783	10,084	10,084	8,501	9,076	8,641	5,846	7,018	7,792	7,870	98,989
Uglegorsk B (5-7)	2,400	100%	9,572	1,000	238,892	1,477	147,076	216,332	215,768	219,817	209,341	170,828	33,826	0	10,615	10,343	11,306	1,246,730
Tripolye A (1-4)	1,200	10%	8,854	1,000	238,892	0	0	0	0	0	0	0	0	0	0	0	0	0
Tripolye B (5-6)	600	100%	8,854	1,000	238,892	0	0	0	0	0	0	0	0	0	0	0	0	0
Zmiev	2,150	15%	8,981	1,000	238,892	0	1,716	5,489	2,009	2,318	3,238	2,306	0	0	0	0	0	17,074
Subtotal	7,550					7,806	157,755	230,604	227,861	232,219	221,080	182,210	42,467	5,846	17,633	18,135	19,176	1,362,792
5. CHP																		
CHP 1 (Ht)	1,670	5%	9,233	1,000	238,892	3,599	5,794	6,611	7,351	7,351	6,405	6,313	5,691	3,891	3,431	2,854	2,854	62,143
CHP 1 (Elec)	1,920	5%	9,233	1,000	238,892	6,341	1,207	834	2	2	467	517	1,335	5,000	5,339	6,897	6,897	34,838
CHP 2 (Ht)	2,393	5%	9,233	1,000	238,892	65	65	65	65	65	65	65	65	65	65	65	65	776
CHP 2 (Elec)	2,413	5%	9,233	1,000	238,892	7,410	3,119	1,372	3	3	768	851	3,842	5,955	6,586	7,373	6,806	44,088
Subtotal	8,396					17,413	10,185	8,882	7,420	7,420	7,705	7,745	10,932	14,911	15,422	17,188	16,621	141,846
FOSSIL	28,470					183,641	393,908	470,084	489,872	496,154	454,440	429,796	257,239	152,409	212,737	221,365	222,929	3,984,572
CHP	8,396					17,413	10,185	8,882	7,420	7,420	7,705	7,745	10,932	14,911	15,422	17,188	16,621	141,846
TOTAL	36,866					201,054	404,093	478,967	497,291	503,573	462,145	437,542	268,171	167,320	228,158	238,553	239,550	4,126,418

TABLE 22: MONTHLY GAS CONSUMPTION - BY COMPANY September 1995 - August 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: GAS (%)	GAS HEAT CONTENT (kcal/cm)	CONV. FACTOR (kcal/GJ)	SEPT 1995 (mcm)	OCT 1995 (mcm)	NOV 1995 (mcm)	DEC 1995 (mcm)	JAN 1996 (mcm)	FEB 1996 (mcm)	MAR 1996 (mcm)	APR 1996 (mcm)	MAY 1996 (mcm)	JUNE 1996 (mcm)	JULY 1996 (mcm)	AUGUST 1996 (mcm)	TOTAL FUEL USE Sep 95 to Aug 96 (mcm)
1. DONBASS																	
Zuyev	1,200	25%	7,888	238,892	29.1	45.4	48.5	45.9	47.4	47.0	50.1	36.3	21.7	32.3	34.0	34.1	471.8
Starobesh	2,000	0%	7,505	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lugansk A (4-6)	300	0%	7,751	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lugansk B (8-15)	1,400	0%	7,751	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slaviansk A (3,5)	180	0%	7,776	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slaviansk B (6-7)	1,520	49%	7,776	238,892	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
Kurakhov	1,460	0%	8,500	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	8,060				29.1	45.4	50.7	45.9	47.4	47.0	50.1	36.3	21.7	32.3	34.0	34.1	474.0
2. DNIPRO																	
Pridneprov A (7-10)	600	0%	7,966	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pridneprov B (11-14)	1,140	0%	7,966	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krivoroj	2,820	0%	7,903	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zaporozh A (1-4)	1,200	0%	7,932	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zaporozh B (5-7)	2,400	100%	7,932	238,892	20.0	190.8	262.7	255.8	254.5	249.9	227.5	74.9	0.0	54.9	59.0	62.1	1,712.3
Subtotal	8,160				20.0	190.8	262.7	255.8	254.5	249.9	227.5	74.9	0.0	54.9	59.0	62.1	1,712.3
3. ZAKHID																	
Ladyzhin	1,800	10%	8,500	238,892	0.0	2.4	7.7	3.2	3.5	4.9	2.7	0.0	0.0	0.0	0.0	0.0	24.4
Burstin	2,300	0%	8,500	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dobrotvor A (4-6)	300	56%	8,500	238,892	28.6	29.6	32.6	33.7	33.7	30.5	29.6	28.6	21.4	24.3	25.1	25.1	342.9
Dobrotvor B (7-8)	300	56%	8,500	238,892	19.2	24.0	23.5	26.9	26.9	22.7	24.3	23.2	17.7	21.7	22.5	22.5	274.9
Subtotal	4,700				47.8	56.0	63.8	63.9	64.1	58.0	56.6	51.8	39.0	46.0	47.6	47.6	642.2
4. TSENTR																	
Uglegorsk A (1-4)	1,200	0%	7,932	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Uglegorsk B (5-7)	2,400	0%	7,932	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tripolye A (1-4)	1,200	0%	8,140	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tripolye B (5-6)	600	0%	8,140	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zmiev	2,150	0%	8,234	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	7,550				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5. CHP																	
CHP 1 (Ht)	1,670	-	8,500	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHP 1 (Elec)	1,920	-	8,500	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHP 2 (Ht)	2,393	-	8,500	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHP 2 (Elec)	2,413	-	8,500	238,892	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	8,396				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
FOSSIL	28,470				96.9	292.2	377.2	365.7	366.0	354.9	334.2	163.0	60.7	133.3	140.6	143.8	2,828.5
CHP	8,396				0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL	36,866				96.9	292.2	377.2	365.7	366.0	354.9	334.2	163.0	60.7	133.3	140.6	143.8	2,828.5

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UKRAINE ELECTRICITY MODEL

TABLE 45: GENCO FUEL INVENTORY ANALYSIS September 1995 - August 1996

ITEM	UNITS	SEPT 1995	OCT 1995	NOV 1995	DEC 1995	JAN 1996	FEB 1996	MAR 1996	APR 1996	MAY 1996	JUNE 1996	JULY 1996	AUGUST 1996	TOTAL
Coal Consumption	(000 tonnes)													
Donbass		626.2	873.3	907.9	930.6	945.6	904.5	963.6	767.7	423.5	695.8	725.1	726.6	9,490.3
Dnipro		992.9	1,434.5	1,461.9	1,606.9	1,619.7	1,390.2	1,467.8	1,261.3	932.8	1,126.8	1,180.5	1,185.6	15,660.9
Zakhid		746.2	870.5	960.0	989.3	993.5	878.2	885.8	797.2	753.5	743.3	768.1	768.1	10,153.8
Tsentr		256.2	381.3	414.5	429.8	433.1	378.9	392.2	349.9	236.7	284.1	315.5	318.6	4,190.8
TOTAL		2,621.5	3,559.6	3,744.2	3,956.6	3,991.9	3,551.8	3,709.3	3,176.1	2,346.4	2,850.1	2,989.3	2,998.9	39,495.8
Coal Days Burn of Inventory	(days)		ACTUAL											
Donbass			**41.6**	45.0	90.0	60.0	30.0	7.0	7.0	7.0	7.0	7.0	7.0	
Dnipro			**18.9**	53.3	90.0	60.0	30.0	7.0	7.0	7.0	7.0	7.0	7.0	
Zakhid			**17.8**	47.3	90.0	60.0	30.0	7.0	7.0	7.0	7.0	7.0	7.0	
Tsentr			**19.4**	45.0	90.0	60.0	30.0	7.0	7.0	7.0	7.0	7.0	7.0	
TOTAL			**24.2**	48.8	90.0	60.0	30.0	7.0	7.0	7.0	7.0	7.0	7.0	
Coal Inventory (Beg. of Month)	(000 tonnes)		ACTUAL											
Donbass			**1,171.9**	1,361.8	2,701.7	1,830.1	969.1	217.6	179.1	95.6	162.4	163.7	164.1	
Dnipro			**875.9**	2,599.6	4,665.1	3,134.9	1,489.5	331.4	294.3	210.6	262.9	266.6	267.7	
Zakhid			**498.5**	1,512.1	2,872.1	1,922.9	941.0	200.0	186.0	170.1	173.4	173.4	173.4	
Tsentr			**238.1**	621.7	1,247.9	838.3	406.0	88.6	81.6	53.4	66.3	71.2	71.9	
TOTAL			**2,784.4**	6,095.1	11,486.8	7,726.3	3,805.5	837.6	741.1	529.8	665.0	675.0	677.2	
Coal Inv. Build-up/(Draw-down)	(000 tonnes)													
Donbass			189.9	1,339.9	(871.6)	(861.0)	(751.5)	(38.4)	(83.5)	66.7	1.4	0.3	0.3	
Dnipro			1,723.7	2,065.5	(1,530.2)	(1,645.4)	(1,158.1)	(37.1)	(83.7)	52.3	3.6	1.1	1.1	
Zakhid			1,013.6	1,360.1	(949.2)	(982.0)	(741.0)	(14.0)	(15.9)	3.3	0.0	0.0	0.0	
Tsentr			383.6	626.2	(409.5)	(432.4)	(317.4)	(6.9)	(28.2)	12.9	4.9	0.7	0.7	
TOTAL			3,310.7	5,391.7	(3,760.4)	(3,920.8)	(2,967.9)	(96.5)	(211.3)	135.2	10.0	2.2	2.2	
Required Coal Deliveries	(000 tonnes)													
Donbass		626.2	1,063.2	2,247.8	59.0	84.5	153.0	925.1	684.2	490.2	697.2	725.5	726.9	8,482.8
Dnipro		992.9	3,158.1	3,527.4	76.7	(25.7)	232.1	1,430.7	1,177.6	985.1	1,130.5	1,181.7	1,186.7	15,053.9
Zakhid		746.2	1,884.1	2,320.1	40.1	11.5	137.3	871.8	781.3	756.8	743.3	768.1	768.1	9,828.7
Tsentr		256.2	764.9	1,040.7	20.3	0.8	61.5	385.3	321.7	249.5	289.1	316.2	319.3	4,025.4
TOTAL		2,621.5	6,870.3	9,135.9	196.1	71.1	583.9	3,612.8	2,964.8	2,481.6	2,860.1	2,991.5	3,001.1	37,390.7
Lag from Order to Delivery	(months)	1	1	1	1	1	1	1	1	1	1	1	1	
Total Coal Orders *	(000 tonnes)	** The following analysis assumes coal orders must be paid at the time of order rather than on delivery. Orders for August set equal to orders for July.*												
Donbass		1,063.2	2,247.8	59.0	84.5	153.0	925.1	684.2	490.2	697.2	725.5	726.9	*726.9*	8,583.5
Dnipro		3,158.1	3,527.4	76.7	(25.7)	232.1	1,430.7	1,177.6	985.1	1,130.5	1,181.7	1,186.7	*1,186.7*	15,247.7
Zakhid		1,884.1	2,320.1	40.1	11.5	137.3	871.8	781.3	756.8	743.3	768.1	768.1	*768.1*	9,850.7
Tsentr		764.9	1,040.7	20.3	0.8	61.5	385.3	321.7	249.5	289.1	316.2	319.3	*319.3*	4,088.5
TOTAL		6,870.3	9,135.9	196.1	71.1	583.9	3,612.8	2,964.8	2,481.6	2,860.1	2,991.5	3,001.1	3,001.1	37,770.4

UKRAINE ELECTRICITY MODEL

TABLE 45: GENCO FUEL INVENTORY ANALYSIS September 1995 - August 1996

ITEM	UNITS	SEPT 1995	OCT 1995	NOV 1995	DEC 1995	JAN 1996	FEB 1996	MAR 1996	APR 1996	MAY 1996	JUNE 1996	JULY 1996	AUGUST 1996	TOTAL
Coal Price	($ per tonne)													
Donbass		$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	
Dnipro		$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	
Zakhid		$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	
Tsentr		$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	$34.00	
TOTAL														
Coal Expenditures	($ million)													
Donbass		$36.15	$76.42	$2.01	$2.87	$5.20	$31.45	$23.26	$16.67	$23.70	$24.67	$24.72	$24.72	$291.84
Dnipro		$107.38	$119.93	$2.61	($0.87)	$7.89	$48.64	$40.04	$33.49	$38.44	$40.18	$40.35	$40.35	$518.42
Zakhid		$64.06	$78.88	$1.36	$0.39	$4.67	$29.64	$26.57	$25.73	$25.27	$26.12	$26.12	$26.12	$334.92
Tsentr		$26.01	$35.38	$0.69	$0.03	$2.09	$13.10	$10.94	$8.48	$9.83	$10.75	$10.86	$10.86	$139.01
TOTAL		$233.59	$310.62	$6.67	$2.42	$19.85	$122.84	$100.80	$84.37	$97.24	$101.71	$102.04	$102.04	$1,284.19
Oil Expenditures (incl. invent.)	($ million)													
Donbass		$24.60	$27.18	$0.52	$0.48	$1.73	$10.63	$8.49	$6.43	$8.66	$8.97	$8.98	$8.98	$115.66
Dnipro		$18.67	$20.72	$0.46	($0.08)	$1.27	$7.78	$6.15	$4.79	$5.93	$6.22	$6.26	$6.26	$84.43
Zakhid		$7.96	$9.13	$0.12	($0.12)	$0.53	$3.35	$3.16	$3.09	$3.00	$3.10	$3.10	$3.10	$39.54
Tsentr		$72.19	$19.96	$1.42	$1.77	$2.28	$13.59	$3.05	$0.78	$1.59	$1.65	$1.75	$1.75	$121.77
TOTAL		$123.43	$76.98	$2.52	$2.05	$5.81	$35.35	$20.85	$15.09	$19.18	$19.95	$20.10	$20.10	$361.40
Gas Expenditures	($ million)													
Donbass		$4.10	$3.71	$3.83	$3.79	$4.05	$2.93	$1.75	$2.61	$2.75	$2.75	$2.75	$2.75	$37.79
Dnipro		$21.23	$20.67	$20.56	$20.19	$18.39	$6.05	$0.00	$4.44	$4.77	$5.02	$5.02	$5.02	$131.36
Zakhid		$5.15	$5.16	$5.18	$4.69	$4.57	$4.19	$3.15	$3.72	$3.84	$3.84	$3.84	$3.84	$51.19
Tsentr		$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
TOTAL		$30.48	$29.55	$29.57	$28.68	$27.01	$13.17	$4.90	$10.77	$11.36	$11.62	$11.62	$11.62	$220.34
Total Fuel Expenditures	($ million)													
Donbass		**$64.85**	**$107.32**	**$6.35**	**$7.14**	**$10.98**	**$45.02**	**$33.51**	**$25.71**	**$35.11**	**$36.39**	**$36.45**	**$36.45**	**$445.28**
Dnipro		**$147.27**	**$161.32**	**$23.63**	**$19.24**	**$27.55**	**$62.48**	**$46.19**	**$42.72**	**$49.14**	**$51.42**	**$51.63**	**$51.63**	**$734.21**
Zakhid		**$77.17**	**$93.18**	**$6.67**	**$4.97**	**$9.77**	**$37.18**	**$32.88**	**$32.54**	**$32.12**	**$33.06**	**$33.06**	**$33.06**	**$425.66**
Tsentr		**$98.20**	**$55.34**	**$2.11**	**$1.79**	**$4.37**	**$26.69**	**$13.99**	**$9.26**	**$11.41**	**$12.40**	**$12.60**	**$12.60**	**$260.77**
TOTAL		**$387.50**	**$417.15**	**$38.76**	**$33.14**	**$52.67**	**$171.36**	**$126.56**	**$110.23**	**$127.78**	**$133.28**	**$133.75**	**$133.75**	**$1,865.93**

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TABLE 46: GENCO REVENUE ADEQUACY ANALYSIS September 1995 - August 1996

ITEM	UNITS	SEPT 1995	OCT 1995	NOV 1995	DEC 1995	JAN 1996	FEB 1996	MAR 1996	APR 1996	MAY 1996	JUNE 1996	JULY 1996	AUGUST 1996	TOTAL
SMP-Derived Revenues	($ million)													
Donbass		$36.01	$51.13	$54.08	$54.99	$55.71	$52.57	$55.68	$44.54	$25.40	$40.42	$42.12	$42.19	$554.85
Dnipro		$43.56	$83.22	$93.65	$97.58	$97.94	$88.01	$88.68	$62.55	$37.38	$54.34	$57.18	$57.73	$861.83
Zakhid		$33.02	$40.79	$46.11	$46.36	$46.57	$41.70	$41.69	$36.49	$31.70	$33.70	$34.90	$34.90	$467.92
Tsentr		$11.92	$35.69	$46.79	$46.28	$46.86	$43.41	$39.17	$20.09	$10.65	$14.42	$15.79	$16.04	$347.10
TOTAL		$124.51	$210.82	$240.63	$245.21	$247.08	$225.68	$225.23	$163.67	$105.13	$142.88	$149.99	$150.86	$2,231.70
Ratio: SMP Revs to Fuel Exp.	(ratio)													
Donbass		0.56	0.48	8.51	7.70	5.07	1.17	1.66	1.73	0.72	1.11	1.16	1.16	1.25
Dnipro		0.30	0.52	3.96	5.07	3.56	1.41	1.92	1.46	0.76	1.06	1.11	1.12	1.17
Zakhid		0.43	0.44	6.92	9.33	4.77	1.12	1.27	1.12	0.99	1.02	1.06	1.06	1.10
Tsentr		0.12	0.64	22.17	25.81	10.72	1.63	2.80	2.17	0.93	1.16	1.25	1.27	1.33
TOTAL		0.32	0.51	6.21	7.40	4.69	1.32	1.78	1.48	0.82	1.07	1.12	1.13	1.20
% of SMP Revenues in Cash	(%)	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	60.0%	
SMP Revenues in Cash	($ million)													
Donbass		$21.61	$30.68	$32.45	$32.99	$33.43	$31.54	$33.41	$26.72	$15.24	$24.25	$25.27	$25.32	$332.91
Dnipro		$26.14	$49.93	$56.19	$58.55	$58.76	$52.81	$53.21	$37.53	$22.43	$32.60	$34.31	$34.64	$517.10
Zakhid		$19.81	$24.47	$27.67	$27.82	$27.94	$25.02	$25.02	$21.90	$19.02	$20.22	$20.94	$20.94	$280.75
Tsentr		$7.15	$21.41	$28.08	$27.77	$28.12	$26.04	$23.50	$12.05	$6.39	$8.65	$9.47	$9.62	$208.26
TOTAL		$74.71	$126.49	$144.38	$147.13	$148.25	$135.41	$135.14	$98.20	$63.08	$85.73	$90.00	$90.52	$1,339.02
Non-Fuel Operating Expenses	($ million)													
Donbass		($4.06)	($4.06)	($4.06)	($4.06)	($4.06)	($4.06)	($4.06)	($4.06)	($4.06)	($4.06)	($4.06)	($4.06)	($48.74)
Dnipro		($4.11)	($4.11)	($4.11)	($4.11)	($4.11)	($4.11)	($4.11)	($4.11)	($4.11)	($4.11)	($4.11)	($4.11)	($49.34)
Zakhid		($2.37)	($2.37)	($2.37)	($2.37)	($2.37)	($2.37)	($2.37)	($2.37)	($2.37)	($2.37)	($2.37)	($2.37)	($28.42)
Tsentr		($3.80)	($3.80)	($3.80)	($3.80)	($3.80)	($3.80)	($3.80)	($3.80)	($3.80)	($3.80)	($3.80)	($3.80)	($45.65)
TOTAL		($14.35)	($14.35)	($14.35)	($14.35)	($14.35)	($14.35)	($14.35)	($14.35)	($14.35)	($14.35)	($14.35)	($14.35)	($172.16)
% of Non-Fuel Expenses in Cash	(%)	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	
Net SMP Revenues in Cash														
Donbass		$17.55	$26.62	$28.38	$28.93	$29.37	$27.48	$29.35	$22.66	$11.18	$20.19	$21.21	$21.25	$284.17
Dnipro		$22.02	$45.82	$52.08	$54.44	$54.65	$48.69	$49.10	$33.42	$18.32	$28.49	$30.20	$30.53	$467.75
Zakhid		$17.44	$22.10	$25.30	$25.45	$25.57	$22.65	$22.65	$19.53	$16.65	$17.85	$18.57	$18.57	$252.33
Tsentr		$3.35	$17.61	$24.27	$23.96	$24.31	$22.24	$19.70	$8.25	$2.59	$4.84	$5.67	$5.82	$162.61
TOTAL		$60.36	$112.15	$130.03	$132.78	$133.90	$121.06	$120.79	$83.86	$48.73	$71.38	$75.65	$76.17	$1,166.86
Ratio: SMP Cash to Fuel Exp.	(ratio)													
Donbass		0.27	0.25	4.47	4.05	2.67	0.61	0.88	0.88	0.32	0.55	0.58	0.58	0.64
Dnipro		0.15	0.28	2.20	2.83	1.98	0.78	1.06	0.78	0.37	0.55	0.58	0.59	0.64
Zakhid		0.23	0.24	3.80	5.12	2.62	0.61	0.69	0.60	0.52	0.54	0.56	0.56	0.59
Tsentr		0.03	0.32	11.50	13.36	5.56	0.83	1.41	0.89	0.23	0.39	0.45	0.46	0.62
TOTAL		0.16	0.27	3.36	4.01	2.54	0.71	0.95	0.76	0.38	0.54	0.57	0.57	0.63

TABLE 46: GENCO REVENUE ADEQUACY ANALYSIS September 1995 - August 1996

ITEM	UNITS	SEPT 1995	OCT 1995	NOV 1995	DEC 1995	JAN 1996	FEB 1996	MAR 1996	APR 1996	MAY 1996	JUNE 1996	JULY 1996	AUGUST 1996	TOTAL
Cash Flow / (Deficit)	($ million)													
-Before Barter														
Donbass		($47.30)	($80.70)	$22.03	$21.79	$18.38	($17.54)	($4.16)	($3.05)	($23.93)	($16.20)	($15.24)	($15.20)	($161.11)
Dnipro		($125.25)	($115.50)	$28.45	$35.20	$27.10	($13.78)	$2.91	($9.30)	($30.82)	($22.93)	($21.43)	($21.10)	($266.46)
Zakhid		($59 73)	($71.07)	$18.63	$20.48	$15.80	($14.53)	($10.23)	($13.01)	($15.47)	($15.21)	($14.49)	($14.49)	($173.33)
Tsentr		($94.85)	($37.73)	$22.16	$22.17	$19.94	($4.45)	$5.71	($1.01)	($8.83)	($7.56)	($6.94)	($6.79)	($98.17)
TOTAL		($327.14)	($305.00)	$91.28	$99.64	$81.23	($50.30)	($5.76)	($26.37)	($79.05)	($61.90)	($58.10)	($57.58)	($699.07)
% of Fuel Obtained by Barter	(% fuel costs)													
Donbass		20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	
Dnipro		20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	
Zakhid		20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	
Tsentr		20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	20.0%	
Fuel Obtained by Barter	($ million)													
Donbass		$12.97	$21.46	$1.27	$1.43	$2.20	$9.00	$6.70	$5.14	$7.02	$7.28	$7.29	$7.29	$89.06
Dnipro		$29.45	$32.26	$4.73	$3.85	$5.51	$12.50	$9.24	$8.54	$9.83	$10.28	$10.33	$10.33	$146.84
Zakhid		$15.43	$18.64	$1.33	$0.99	$1.95	$7.44	$6.58	$6.51	$6.42	$6.61	$6.61	$6.61	$85.13
Tsentr		$19.64	$11.07	$0.42	$0.36	$0.87	$5.34	$2.80	$1.85	$2.28	$2.48	$2.52	$2.52	$52.15
TOTAL		$77.50	$83.43	$7.75	$6.63	$10.53	$34.27	$25.31	$22.05	$25.56	$26.66	$26.75	$26.75	$373.19
Cash Flow / (Deficit)	($ million)													
-After Barter														
Donbass		**($34.33)**	**($59.24)**	**$23.30**	**$23.22**	**$20.58**	**($8.54)**	**$2.54**	**$2.09**	**($16.91)**	**($8.92)**	**($7.95)**	**($7.91)**	**($72.06)**
Dnipro		**($95.80)**	**($83.24)**	**$33.18**	**$39.05**	**$32.61**	**($1.29)**	**$12.15**	**($0.76)**	**($20.99)**	**($12.65)**	**($11.11)**	**($10.78)**	**($119.62)**
Zakhid		**($44.30)**	**($52.44)**	**$19.97**	**$21.47**	**$17.76**	**($7.09)**	**($3.65)**	**($6.50)**	**($9.05)**	**($8.60)**	**($7.88)**	**($7.88)**	**($88.20)**
Tsentr		**($75.21)**	**($26.66)**	**$22.58**	**$22.53**	**$20.81**	**$0.89**	**$8.51**	**$0.84**	**($6.54)**	**($5.08)**	**($4.42)**	**($4.27)**	**($46.01)**
TOTAL		**($249.64)**	**($221.57)**	**$99.03**	**$106.27**	**$91.76**	**($16.02)**	**$19.55**	**($4.33)**	**($53.49)**	**($35.25)**	**($31.35)**	**($30.83)**	**($325.88)**
Fuel Deficit - Expressed In Coal	(000 tonnes)													
Donbass		(1,009.8)	(1,742.2)	-	-	-	(251.1)	-	-	(497.3)	(262.4)	(233.8)	(232.5)	(4,229.1)
Dnipro		(2,817.5)	(2,448.2)	-	-	-	(37.8)	-	(22.3)	(617.5)	(372.0)	(326.7)	(317.0)	(6,958.9)
Zakhid		(1,302.8)	(1,542.3)	-	-	-	(208.6)	(107.5)	(191.2)	(266.1)	(253.0)	(231.8)	(231.8)	(4,335.0)
Tsentr		(2,212.1)	(784.2)	-	-	-	-	-	-	(192.5)	(149.4)	(129.9)	(125.5)	(3,593.5)
TOTAL		(7,342.2)	(6,516.9)	0.0	0.0	0.0	(497.5)	(107.5)	(213.6)	(1,573.4)	(1,036.7)	(922.1)	(906.8)	(19,116.6)

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UKRAINE ELECTRICITY MODEL

TABLE 1A: BASIC GENERATING UNIT DATA

Based on Shadow Bids, Plant Capacities, and Estimated Load from NDC for 9-14-95

GENERATOR UNIT	DESIGN CAPACITY (MW) (1)	GROSS HEAT RAT (GJ/MWh) (1)	HEAT COS ($/GJ) (1)	OPERATIN COSTS ($/MWh) (1)	SHADOW BIDS ($/MWh) (2)	AVAILABILITY JAN (%)	FEB (%)	MAR (%)	APR (%)	MAY (%)	JUNE (%)	JULY (%)	AUG (%)	SEPT (%)	OCT (%)	NOV (%)	DEC (%)	AVG (%)	ORIGINAL KPMG AVG (%)	DIFF.
Nuclear	12,761	0.01	1.00	0.00	0.01	70%	64%	64%	62%	62%	54%	54%	54%	62%	64%	64%	70%	62%	62%	
Hydro	4,609	0.02	1.00	0.00	0.02	19%	20%	27%	44%	53%	24%	17%	16%	15%	16%	18%	19%	24%	24%	
CHP 1 (Ht)	1,670	5.38	1 99	0.00	1.00	85%	82%	73%	68%	45%	41%	33%	33%	43%	67%	79%	85%	61%	61%	
CHP 1 (Elec)	1,920	9.33	1.99	0.00	1.00	0%	3%	3%	8%	29%	32%	40%	40%	38%	7%	5%	0%	17%	17%	
CHP 2 (Ht)	2,393	4.94	1.99	0.00	1.00	81%	77%	68%	56%	41%	37%	35%	37%	42%	58%	74%	81%	57%	57%	
CHP 2 (Elec)	2,413	12.21	1.99	0.00	1.00	0%	3%	3%	14%	21%	24%	26%	24%	27%	11%	5%	0%	13%	13%	
Ladyzhin 1	300	10.81	1.80	0.80	27.31	76%	71%	69%	68%	64%	64%	64%	64%	64%	68%	69%	76%	68%	80%	12%
Ladyzhin 2	300	10.81	1.80	0 80	27.41	76%	71%	69%	68%	64%	64%	64%	64%	64%	68%	69%	76%	68%	80%	12%
Ladyzhin 3	300	10.81	1.80	0.80	27.31	76%	71%	69%	68%	64%	64%	64%	64%	64%	68%	69%	76%	68%	80%	12%
Ladyzhin 4	300	10.81	1.80	0.80	27.21	76%	71%	69%	68%	64%	64%	64%	64%	64%	68%	69%	76%	68%	80%	12%
Ladyzhin 5	300	10.81	1.80	0.80	27.31	76%	71%	69%	68%	64%	64%	64%	64%	64%	68%	69%	76%	68%	80%	12%
Ladyzhin 6	300	10.81	1.80	0.80	27.41	76%	71%	69%	68%	64%	64%	64%	64%	64%	68%	69%	76%	68%	80%	12%
Pridneprov 7	150	11.35	1.49	0 80	20.17	70%	66%	63%	62%	59%	59%	59%	59%	59%	62%	63%	70%	62%	80%	18%
Pridneprov 8	150	11.35	1.49	0.80	20.17	70%	66%	63%	62%	59%	59%	59%	59%	59%	62%	63%	70%	62%	80%	18%
Pridneprov 9	150	11.35	1.49	0.80	20.17	70%	66%	63%	62%	59%	59%	59%	59%	59%	62%	63%	70%	62%	80%	18%
Pridneprov 10	150	11.35	1.49	0.80	20.17	70%	66%	63%	62%	59%	59%	59%	59%	59%	62%	63%	70%	62%	80%	18%
Pridneprov 11	285	10.81	1.49	0.80	25.55	71%	66%	64%	63%	59%	59%	59%	59%	59%	63%	64%	71%	63%	80%	17%
Pridneprov 12	285	10.81	1.49	0.80	25.55	71%	66%	64%	63%	59%	59%	59%	59%	59%	63%	64%	71%	63%	80%	17%
Pridneprov 13	285	10.81	1.49	0.80	25.55	71%	66%	64%	63%	59%	59%	59%	59%	59%	63%	64%	71%	63%	80%	17%
Pridneprov 14	285	10.81	1.49	0.80	25.55	71%	66%	64%	63%	59%	59%	59%	59%	59%	63%	64%	71%	63%	80%	17%
Krivoroj 1	282	10.81	1.51	0.80	24.14	78%	73%	70%	69%	65%	65%	65%	65%	65%	69%	70%	78%	69%	80%	11%
Krivoroj 2	282	10.81	1.51	0.80	24.00	78%	73%	70%	69%	65%	65%	65%	65%	65%	69%	70%	78%	69%	80%	11%
Krivoroj 3	282	10.81	1.51	0.80	22.68	78%	73%	70%	69%	65%	65%	65%	65%	65%	69%	70%	78%	69%	80%	11%
Krivoroj 4	282	10.81	1.51	0.80	24.00	78%	73%	70%	69%	65%	65%	65%	65%	65%	69%	70%	78%	69%	80%	11%
Krivoroj 5	282	10.81	1.51	0.80	22.83	78%	73%	70%	69%	65%	65%	65%	65%	65%	69%	70%	78%	69%	80%	11%
Krivoroj 6	282	10.81	1.51	0.80	24.00	78%	73%	70%	69%	65%	65%	65%	65%	65%	69%	70%	78%	69%	80%	11%
Krivoroj 7	282	10.81	1.51	0.80	24.00	78%	73%	70%	69%	65%	65%	65%	65%	65%	69%	70%	78%	69%	80%	11%
Krivoroj 8	282	10.81	1.51	0.80	24.00	78%	73%	70%	69%	65%	65%	65%	65%	65%	69%	70%	78%	69%	80%	11%
Krivoroj 9	282	10.81	1.51	0.80	26.28	78%	73%	70%	69%	65%	65%	65%	65%	65%	69%	70%	78%	69%	80%	11%
Krivoroj 10	282	10.81	1.51	0.80	26.28	78%	73%	70%	69%	65%	65%	65%	65%	65%	69%	70%	78%	69%	80%	11%
Zaporozh 1	300	10.81	1.47	0.80	16.25	73%	68%	66%	65%	61%	61%	61%	61%	61%	65%	66%	73%	65%	80%	15%
Zaporozh 2	300	10.81	1.47	0.80	16.25	73%	68%	66%	65%	61%	61%	61%	61%	61%	65%	66%	73%	65%	80%	15%
Zaporozh 3	300	10.81	1 47	0.80	16.25	73%	68%	66%	65%	61%	61%	61%	61%	61%	65%	66%	73%	65%	80%	15%
Zaporozh 4	300	10.81	1.47	0.80	16.25	73%	68%	66%	65%	61%	61%	61%	61%	61%	65%	66%	73%	65%	80%	15%
Zaporozh 5	800	8.93	1.99	0.79	25.79	89%	89%	82%	68%	61%	61%	61%	61%	61%	68%	82%	89%	72%	79%	7%
Zaporozh 6	800	8.93	1.99	0.79	25.79	89%	89%	82%	68%	61%	61%	61%	61%	61%	68%	82%	89%	72%	79%	7%
Zaporozh 7	800	8.93	1.99	0.79	25.79	89%	89%	82%	68%	61%	61%	61%	61%	61%	68%	82%	89%	72%	79%	7%
Uglegorsk 1	300	10.81	1.35	0.80	23.91	84%	78%	75%	74%	70%	70%	70%	70%	70%	74%	75%	84%	74%	80%	6%
Uglegorsk 2	300	10.81	1.35	0.80	23.91	84%	78%	75%	74%	70%	70%	70%	70%	70%	74%	75%	84%	74%	80%	6%
Uglegorsk 3	300	10.81	1.35	0.80	23.91	84%	78%	75%	74%	70%	70%	70%	70%	70%	74%	75%	84%	74%	80%	6%
Uglegorsk 4	300	10.81	1.35	0.80	23.91	84%	78%	75%	74%	70%	70%	70%	70%	70%	74%	75%	84%	74%	80%	6%
Uglegorsk 5	800	8.93	1.99	0.79	25.79	89%	89%	82%	68%	61%	61%	61%	61%	61%	68%	82%	89%	72%	79%	7%
Uglegorsk 6	800	8.93	1.99	0.79	25.79	89%	89%	82%	68%	61%	61%	61%	61%	61%	68%	82%	89%	72%	79%	7%
Uglegorsk 7	800	8.93	1.99	0.79	25.79	89%	89%	82%	68%	61%	61%	61%	61%	61%	68%	82%	89%	72%	79%	7%
Zuyev 1	300	10.81	1.71	0.80	24.38	76%	71%	69%	68%	64%	64%	64%	64%	64%	68%	69%	76%	68%	80%	12%
Zuyev 2	300	10.81	1.71	0.80	24.38	76%	71%	69%	68%	64%	64%	64%	64%	64%	68%	69%	76%	68%	80%	12%
Zuyev 3	300	10.81	1.71	0.80	24.38	76%	71%	69%	68%	64%	64%	64%	64%	64%	68%	69%	76%	68%	80%	12%
Zuyev 4	300	10.81	1.71	0.80	24.38	76%	71%	69%	68%	64%	64%	64%	64%	64%	68%	69%	76%	68%	80%	12%

UKRAINE ELECTRICITY MODEL

TABLE 1A: BASIC GENERATING UNIT DATA

Based on Shadow Bids, Plant Capacities, and Estimated Load from NDC for 9-14-95

GENERATOR UNIT	DESIGN CAPACITY (MW) (1)	GROSS HEAT RAT (GJ/MWh) (1)	HEAT COS ($/GJ) (1)	OPERATIN COSTS ($/MWh) (1)	SHADOW BIDS ($/MWh) (2)	AVAILABILITY JAN (%)	FEB (%)	MAR (%)	APR (%)	MAY (%)	JUNE (%)	JULY (%)	AUG (%)	SEPT (%)	OCT (%)	NOV (%)	DEC (%)	AVG (%)	ORIGINAL KPMG AVG (%)	DIFF.
Starobesh 4	200	11.35	1.53	0.80	22.04	66%	61%	59%	58%	55%	55%	55%	55%	55%	58%	59%	66%	58%	80%	22%
Starobesh 5	200	11.35	1.53	0.80	22.04	66%	61%	59%	58%	55%	55%	55%	55%	55%	58%	59%	66%	58%	80%	22%
Starobesh 6	200	11.35	1.53	0.80	22.04	66%	61%	59%	58%	55%	55%	55%	55%	55%	58%	59%	66%	58%	80%	22%
Starobesh 7	200	11.35	1.53	0.80	22.04	66%	61%	59%	58%	55%	55%	55%	55%	55%	58%	59%	66%	58%	80%	22%
Starobesh 8	200	11.35	1.53	0.80	22.04	66%	61%	59%	58%	55%	55%	55%	55%	55%	58%	59%	66%	58%	80%	22%
Starobesh 9	200	11.35	1.53	0.80	22.04	66%	61%	59%	58%	55%	55%	55%	55%	55%	58%	59%	66%	58%	80%	22%
Starobesh 10	200	11.35	1.53	0.80	22.04	66%	61%	59%	58%	55%	55%	55%	55%	55%	58%	59%	66%	58%	80%	22%
Starobesh 11	200	11.35	1.53	0.80	22.04	66%	61%	59%	58%	55%	55%	55%	55%	55%	58%	59%	66%	58%	80%	22%
Starobesh 12	200	11.35	1.53	0.80	22.04	66%	61%	59%	58%	55%	55%	55%	55%	55%	58%	59%	66%	58%	80%	22%
Starobesh 13	200	11.35	1.53	0.80	22.04	66%	61%	59%	58%	55%	55%	55%	55%	55%	58%	59%	66%	58%	80%	22%
Lugansk 4	100	12.49	1.52	0.86	28.27	65%	65%	57%	57%	49%	49%	49%	49%	57%	57%	65%	65%	57%	86%	29%
Lugansk 5	100	12.49	1.52	0.86	28.27	65%	65%	57%	57%	49%	49%	49%	49%	57%	57%	65%	65%	57%	86%	29%
Lugansk 6	100	12.49	1.52	0.86	28.27	65%	65%	57%	57%	49%	49%	49%	49%	57%	57%	65%	65%	57%	86%	29%
Lugansk 8	175	11.35	1.52	0.80	28.27	60%	56%	54%	53%	50%	50%	50%	50%	50%	53%	54%	60%	53%	80%	27%
Lugansk 9	175	11.35	1.52	0.80	28.27	60%	56%	54%	53%	50%	50%	50%	50%	50%	53%	54%	60%	53%	80%	27%
Lugansk 10	175	11.35	1.52	0.80	28.27	50%	46%	45%	44%	41%	41%	41%	41%	41%	44%	45%	50%	44%	80%	36%
Lugansk 11	175	11.35	1.52	0.80	28.27	60%	56%	54%	53%	50%	50%	50%	50%	50%	53%	54%	60%	53%	80%	27%
Lugansk 12	175	11.35	1.52	0.80	28.27	60%	56%	54%	53%	50%	50%	50%	50%	50%	53%	54%	60%	53%	80%	27%
Lugansk 13	175	11.35	1.52	0.80	28.27	60%	56%	54%	53%	50%	50%	50%	50%	50%	53%	54%	60%	53%	80%	27%
Lugansk 14	175	11.35	1.52	0.80	28.27	60%	56%	54%	53%	50%	50%	50%	50%	50%	53%	54%	60%	53%	80%	27%
Lugansk 15	175	11.35	1.52	0.80	28.27	70%	66%	63%	62%	59%	59%	59%	59%	59%	62%	63%	70%	62%	80%	18%
Slaviansk 3	80	12.49	1.38	0.86	28.27	76%	76%	67%	67%	57%	57%	57%	57%	67%	67%	76%	76%	67%	86%	19%
Slaviansk 5	100	12.49	1.38	0.86	28.27	76%	76%	67%	67%	57%	57%	57%	57%	67%	67%	76%	76%	67%	86%	19%
Slaviansk 6	720	8.93	1.99	0.79	28.27	76%	76%	69%	58%	51%	51%	51%	51%	51%	58%	69%	76%	62%	79%	17%
Slaviansk 7	800	8.93	1.99	0.79	28.27	76%	76%	69%	58%	51%	51%	51%	51%	51%	58%	69%	76%	62%	79%	17%
Kurakhov 3	200	11.35	1.61	0.80	24.61	70%	66%	63%	62%	59%	59%	59%	59%	59%	62%	63%	70%	62%	80%	18%
Kurakhov 4	210	11.35	1.61	0.80	24.61	67%	62%	60%	59%	56%	56%	56%	56%	56%	59%	60%	67%	59%	80%	21%
Kurakhov 5	210	11.35	1.61	0.80	24.61	71%	66%	64%	63%	59%	59%	59%	59%	59%	63%	64%	71%	63%	80%	17%
Kurakhov 6	210	11.35	1.61	0.80	24.61	71%	66%	64%	63%	59%	59%	59%	59%	59%	63%	64%	71%	63%	80%	17%
Kurakhov 7	210	11.35	1.61	0.80	24.61	71%	66%	64%	63%	59%	59%	59%	59%	59%	63%	64%	71%	63%	80%	17%
Kurakhov 8	210	11.35	1.61	0.80	24.61	71%	66%	64%	63%	59%	59%	59%	59%	59%	63%	64%	71%	63%	80%	17%
Kurakhov 9	210	11.35	1.61	0.80	24.61	71%	66%	64%	63%	59%	59%	59%	59%	59%	63%	64%	71%	63%	80%	17%
Mironov 2	100	12.49	10.00	0.86	188.63	67%	67%	58%	58%	50%	50%	50%	50%	58%	58%	67%	67%	58%	86%	28%
Mironov 3	60	12.49	10.00	0.86	188.63	67%	67%	58%	58%	50%	50%	50%	50%	58%	58%	67%	67%	58%	86%	28%
Mironov 4	100	12.49	10.00	0.86	188.63	67%	67%	58%	58%	50%	50%	50%	50%	58%	58%	67%	67%	58%	86%	28%
Tripolye 1	300	10.81	1.61	0.80	36.17	84%	78%	75%	74%	70%	70%	70%	70%	70%	74%	75%	84%	74%	80%	6%
Tripolye 2	300	10.81	1.61	0.80	28.96	84%	78%	75%	74%	70%	70%	70%	70%	70%	74%	75%	84%	74%	80%	6%
Tripolye 3	300	10.81	1.61	0.80	28.96	84%	78%	75%	74%	70%	70%	70%	70%	70%	74%	75%	84%	74%	80%	6%
Tripolye 4	300	10.81	1.61	0.80	28.96	84%	78%	75%	74%	70%	70%	70%	70%	70%	74%	75%	84%	74%	80%	6%
Tripolye 5	300	9.20	1.99	0.80	28.96	84%	78%	75%	74%	70%	70%	70%	70%	70%	74%	75%	84%	74%	80%	6%
Tripolye 6	300	9.20	1.99	0.80	28.96	84%	78%	75%	74%	70%	70%	70%	70%	70%	74%	75%	84%	74%	80%	6%

UKRAINE ELECTRICITY MODEL

TABLE 1A: BASIC GENERATING UNIT DATA Based on Shadow Bids, Plant Capacities, and Estimated Load from NDC for 9-14-95

GENERATOR UNIT	DESIGN CAPACITY (MW) (1)	GROSS HEAT RAT (GJ/MWh) (1)	HEAT COS ($/GJ) (1)	OPERATIN COSTS ($/MWh) (1)	SHADOW BIDS ($/MWh) (2)	AVAILABILITY JAN (%)	FEB (%)	MAR (%)	APR (%)	MAY (%)	JUNE (%)	JULY (%)	AUG (%)	SEPT (%)	OCT (%)	NOV (%)	DEC (%)	AVG (%)	ORIGINAL KPMG AVG (%)	DIFF.
Burstin 1	195	11.35	1.39	0.80	17.07	78%	73%	70%	69%	65%	65%	65%	65%	65%	69%	70%	78%	69%	80%	11%
Burstin 2	185	11.35	1.39	0.80	16.92	82%	77%	74%	73%	69%	69%	69%	69%	69%	73%	74%	82%	73%	80%	7%
Burstin 3	185	11.35	1.39	0.80	16.92	82%	77%	74%	73%	69%	69%	69%	69%	69%	73%	74%	82%	73%	80%	7%
Burstin 4	195	11.35	1.39	0.80	16.91	79%	73%	71%	70%	65%	65%	65%	65%	65%	70%	71%	79%	70%	80%	10%
Burstin 5	195	11.35	1.39	0.80	16.84	78%	72%	70%	69%	65%	65%	65%	65%	65%	69%	70%	78%	69%	80%	11%
Burstin 6	185	11.35	1.39	0.80	16.92	82%	76%	74%	73%	68%	68%	68%	68%	68%	73%	74%	82%	73%	80%	7%
Burstin 7	185	11.35	1.39	0.80	16.92	82%	76%	74%	73%	68%	68%	68%	68%	68%	73%	74%	82%	73%	80%	7%
Burstin 8	195	11.35	1.39	0.80	15.78	79%	73%	71%	70%	65%	65%	65%	65%	65%	70%	71%	79%	70%	80%	10%
Burstin 9	195	11.35	1.39	0.80	15.78	79%	73%	71%	70%	65%	65%	65%	65%	65%	70%	71%	79%	70%	80%	10%
Burstin 10	195	11.35	1.39	0.80	16.16	79%	73%	71%	70%	65%	65%	65%	65%	65%	70%	71%	79%	70%	80%	10%
Burstin 11	195	11.35	1.39	0.80	16.16	79%	73%	71%	70%	65%	65%	65%	65%	65%	70%	71%	79%	70%	80%	10%
Burstin 12	195	11.35	1.39	0.80	16.16	79%	73%	71%	70%	65%	65%	65%	65%	65%	70%	71%	79%	70%	80%	10%
Dobrotvor 4	100	12.49	1.41	0.86	21.72	76%	76%	67%	67%	57%	57%	57%	57%	67%	67%	76%	76%	67%	86%	19%
Dobrotvor 5	100	12.49	1.41	0.86	21.72	76%	76%	67%	67%	57%	57%	57%	57%	67%	67%	76%	76%	67%	86%	19%
Dobrotvor 6	100	12.49	1.41	0.86	21.72	76%	76%	67%	67%	57%	57%	57%	57%	67%	67%	76%	76%	67%	86%	19%
Dobrotvor 7	150	11.35	1.41	0.80	22.75	76%	71%	69%	68%	64%	64%	64%	64%	64%	68%	69%	76%	68%	80%	12%
Dobrotvor 8	150	11.35	1.41	0.80	21.75	58%	54%	52%	52%	49%	49%	49%	49%	49%	52%	52%	58%	52%	80%	28%
Zmiev 1	175	11.35	1.49	0.80	29.95	86%	80%	77%	76%	71%	71%	71%	71%	71%	76%	77%	86%	76%	80%	4%
Zmiev 2	175	11.35	1.49	0.80	29.95	86%	80%	77%	76%	71%	71%	71%	71%	71%	76%	77%	86%	76%	80%	4%
Zmiev 3	175	11.35	1.49	0.80	29.95	86%	80%	77%	76%	71%	71%	71%	71%	71%	76%	77%	86%	76%	80%	4%
Zmiev 4	175	11.35	1.49	0.80	29.95	86%	80%	77%	76%	71%	71%	71%	71%	71%	76%	77%	86%	76%	80%	4%
Zmiev 5	175	11.35	1.49	0.80	29.62	86%	80%	77%	76%	71%	71%	71%	71%	71%	76%	77%	86%	76%	80%	4%
Zmiev 6	175	11.35	1.49	0.80	29.95	86%	80%	77%	76%	71%	71%	71%	71%	71%	76%	77%	86%	76%	80%	4%
Zmiev 7	275	10.81	1.49	0.80	27.38	96%	90%	87%	86%	80%	80%	80%	80%	80%	86%	87%	96%	86%	80%	-6%
Zmiev 8	275	10.81	1.49	0.80	27.28	96%	90%	87%	86%	80%	80%	80%	80%	80%	86%	87%	96%	86%	80%	-6%
Zmiev 9	275	10.81	1.49	0.80	28.22	47%	44%	43%	42%	39%	39%	39%	39%	39%	42%	43%	47%	42%	80%	38%
Zmiev 10	275	10.81	1.49	0.80	27.96	51%	47%	46%	45%	42%	42%	42%	42%	42%	45%	46%	51%	45%	80%	35%
Kharkov 7	50	12.49	1.33	0.86	26.20	86%	86%	76%	76%	64%	64%	64%	64%	76%	76%	86%	86%	75%	86%	11%
Kharkov 8	37	12.49	1.33	0.86	26.20	86%	86%	76%	76%	64%	64%	64%	64%	76%	76%	86%	86%	75%	86%	11%
Total (thermal)	28,817																			

Notes:
(1) Source: KPMG Generator Composition Analysis Model.
(2) Source: National Dispatch Center, day ahead report, 9-14-95. Bids converted at exchange rate of US$1=Krb170,000.
The Sep-14 day-ahead report had no bids for some units; bids for these units were based on those of similar units and are shown in boldface.

TABLE 1B: CUSTOME LOAD DATA (MW)

MONTH	TIME	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00
JANUARY		23,145	21,708	20,995	20,663	20,734	21,006	22,123	25,593	28,160	28,656	28,422
FEBRUARY		22,168	21,643	20,988	21,058	21,098	21,540	22,768	26,348	28,069	28,653	28,178
MARCH		21,962	21,105	20,646	20,613	20,638	21,026	22,335	24,754	26,045	26,634	25,999
APRIL		20,386	19,169	18,624	18,437	18,732	18,978	19,963	21,916	23,420	24,357	24,084
MAY		17,838	16,503	15,737	15,350	15,485	15,833	16,336	17,861	19,939	21,347	21,555
JUNE		17,852	16,555	15,491	15,145	15,264	15,345	16,009	17,318	19,197	20,912	21,068
JULY		17,732	16,508	15,507	15,178	15,298	15,369	15,997	17,234	18,986	20,579	20,724
AUGUST (*)		17,732	16,508	15,507	15,178	15,298	15,369	15,997	17,234	18,986	20,579	20,724
SEPTEMBER		16,734	15,558	15,167	15,083	15,269	15,747	16,961	18,493	19,996	20,593	20,688
OCTOBER		20,461	19,711	19,081	18,909	18,971	19,069	20,711	22,921	24,213	25,211	25,039
NOVEMBER		21,821	21,017	20,107	20,113	20,198	20,531	22,055	25,120	26,849	27,541	27,548
DECEMBER		22,176	21,414	20,670	20,488	20,523	20,923	22,278	25,813	28,487	28,857	28,440
TOTAL (MWh)												

Source:
Original load curves from Alan Kidd fax (9/3/95) - 2000 Customer load data, half-hourly by season and day.
Load curves scaled to monthly demand estimates from NDC (10/6/95). Total annual demand estimated at 192.25 TWh.

TABLE 1B: **CUSTOME**

MONTH	TIME	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00
JANUARY		27,519	26,848	27,156	26,887	26,561	26,376	27,284	29,069	29,847	29,865	29,503
FEBRUARY		27,471	26,336	26,323	25,598	25,258	25,053	25,612	26,508	28,112	28,263	27,834
MARCH		25,321	24,166	24,505	24,309	23,728	23,468	23,492	23,687	24,851	27,683	28,082
APRIL		23,391	22,261	22,523	22,606	22,164	22,091	22,224	22,128	21,997	22,495	24,275
MAY		21,017	20,170	20,417	20,569	20,134	19,990	19,850	19,582	19,059	19,343	20,001
JUNE		20,692	19,783	20,141	20,240	19,762	19,618	19,170	19,274	18,856	19,143	19,425
JULY		20,371	19,514	19,851	19,942	19,494	19,363	18,942	19,040	18,649	18,924	19,191
AUGUST (*)		20,371	19,514	19,851	19,942	19,494	19,363	18,942	19,040	18,649	18,924	19,191
SEPTEMBER		20,304	19,616	19,713	19,774	19,376	19,391	19,549	19,417	20,022	21,480	21,418
OCTOBER		24,410	23,238	23,384	23,226	22,992	22,663	22,769	23,912	25,732	26,021	25,599
NOVEMBER		26,894	25,813	25,999	25,882	25,475	25,553	26,210	27,835	28,398	28,302	27,754
DECEMBER		27,944	26,977	27,067	26,909	26,496	26,459	28,042	29,502	29,648	29,271	29,034
TOTAL (MWh)												

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TABLE 1B: **CUSTOME**

MONTH	TIME	22:00	23:00	DAILY ENERGY DEMAND (MWh)	DAYS IN MONTH	MONTHLY ENERGY DEMAND (MWh)
JANUARY		28,138	25,906	622,161	31	**19,287,000**
FEBRUARY		26,591	24,208	605,679	28	**16,959,000**
MARCH		26,626	24,387	576,065	31	**17,858,000**
APRIL		25,070	23,207	524,500	30	**15,735,000**
MAY		21,408	20,676	456,000	31	**14,136,000**
JUNE		20,001	20,072	446,333	30	**13,390,000**
JULY		19,733	19,808	441,935	31	**13,700,000**
AUGUST (*)		19,733	19,808	441,935	31	**13,700,000**
SEPTEMBER		19,893	17,993	448,233	30	**13,447,000**
OCTOBER		24,525	22,425	545,194	31	**16,901,000**
NOVEMBER		26,497	23,990	597,500	30	**17,925,000**
DECEMBER		27,406	24,756	619,581	31	**19,207,000**
TOTAL (MWh)				6,325,116	365	**192,245,000**

GROSS ENERGY DEMAND ESTIMATES:

CURRENT NDC ESTIMATE (MWh)	ORIGINAL KPMG ESTIMATE (MWh)	SCALING FACTOR
19,287,000	23,382,308	0.82
16,959,000	20,635,608	0.82
17,858,000	21,325,644	0.84
15,735,000	19,511,250	0.81
14,136,000	18,725,395	0.75
13,390,000	17,925,960	0.75
13,700,000	18,512,270	0.74
13,700,000	18,512,270	0.74
13,447,000	18,224,430	0.74
16,901,000	20,007,059	0.84
17,925,000	20,884,260	0.86
19,207,000	23,301,584	0.82
192,245,000	240,948,038	0.80

NDC estimate from fax October 6, 1995.
KPMG estimate from KPMG Generator Composition Analysis Model, April 1995.

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UKRAINE ELECTRICITY MODEL

TABLE 2: MERIT ORDER TABLE

GENERATOR UNIT	CAPACITY (MW) (1)	GROSS HEAT RATE (GJ/MWh) (1)	SHADOW BIDS ($/MWh) (2)	SHADOW BIDS (MM Krb / /MWh) (2)
Nuclear	12,761	0.01	0.01	-
Hydro	4,609	0.02	0.02	-
CHP 2 (Ht)	2,393	4.94	1.00	-
CHP 2 (Elec)	2,413	12.21	1.00	-
CHP 1 (Elec)	1,920	9.33	1.00	-
CHP 1 (Ht)	1,670	5.38	1.00	-
Burstin 9	195	11.35	15.78	2.682
Burstin 8	195	11.35	**15.78**	**2.683**
Burstin 12	195	11.35	**16.16**	**2.747**
Burstin 10	195	11.35	16.16	2.747
Burstin 11	195	11.35	16.16	2.747
Zaporozh 1	300	10.81	**16.25**	**2.763**
Zaporozh 2	300	10.81	16.25	2.763
Zaporozh 3	300	10.81	16.25	2.763
Zaporozh 4	300	10.81	16.25	2.763
Burstin 5	195	11.35	16.84	2.863
Burstin 4	195	11.35	16.91	2.875
Burstin 6	185	11.35	16.92	2.876
Burstin 2	185	11.35	16.92	2.876
Burstin 3	185	11.35	16.92	2.876
Burstin 7	185	11.35	**16.92**	**2.876**
Burstin 1	195	11.35	17.07	2.901
Pridneprov 7	150	11.35	20.17	3.430
Pridneprov 10	150	11.35	20.17	3.430
Pridneprov 9	150	11.35	**20.17**	**3.430**
Pridneprov 8	150	11.35	20.17	3.430
Dobrotvor 4	100	12.49	21.72	3.692
Dobrotvor 5	100	12.49	**21.72**	**3.692**
Dobrotvor 6	100	12.49	**21.72**	**3.692**
Dobrotvor 8	150	11.35	21.75	3.697
Starobesh 10	200	11.35	22.04	3.746
Starobesh 7	200	11.35	22.04	3.746
Starobesh 8	200	11.35	22.04	3.746
Starobesh 6	200	11.35	22.04	3.746
Starobesh 9	200	11.35	22.04	3.746
Starobesh 4	200	11.35	22.04	3.746
Starobesh 11	200	11.35	22.04	3.746
Starobesh 12	200	11.35	22.04	3.746
Starobesh 5	200	11.35	22.04	3.746
Starobesh 13	200	11.35	**22.04**	**3.747**
Krivoroj 3	282	10.81	22.68	3.856
Dobrotvor 7	150	11.35	22.75	3.868
Krivoroj 5	282	10.81	22.83	3.881
Uglegorsk 2	300	10.81	**23.91**	**4.065**
Uglegorsk 1	300	10.81	23.91	4.065
Uglegorsk 3	300	10.81	23.91	4.065
Uglegorsk 4	300	10.81	23.91	4.065
Krivoroj 7	282	10.81	**24.00**	**4.080**
Krivoroj 2	282	10.81	**24.00**	**4.080**
Krivoroj 4	282	10.81	**24.00**	**4.080**
Krivoroj 6	282	10.81	**24.00**	**4.080**
Krivoroj 8	282	10.81	**24.00**	**4.080**
Krivoroj 1	282	10.81	24.14	4.103

UKRAINE ELECTRICITY MODEL

TABLE 2: MERIT ORDER TABLE

GENERATOR UNIT	CAPACITY (MW) (1)	GROSS HEAT RATE (GJ/MWh) (1)	SHADOW BIDS ($/MWh) (2)	SHADOW BIDS (MM Krb / /MWh) (2)
Zuyev 2	300	10.81	**24.38**	**4.145**
Zuyev 1	300	10.81	**24.38**	**4.145**
Zuyev 3	300	10.81	24.38	4.145
Zuyev 4	300	10.81	24.38	4.145
Kurakhov 5	210	11.35	24.61	4.183
Kurakhov 3	200	11.35	24.61	4.183
Kurakhov 6	210	11.35	24.61	4.183
Kurakhov 8	210	11.35	24.61	4.183
Kurakhov 9	210	11.35	24.61	4.183
Kurakhov 4	210	11.35	24.61	4.183
Kurakhov 7	210	11.35	**24.61**	**4.184**
Pridneprov 14	285	10.81	25.55	4.344
Pridneprov 13	285	10.81	25.55	4.344
Pridneprov 12	285	10.81	25.55	4.344
Pridneprov 11	285	10.81	**25.55**	**4.344**
Zaporozh 6	800	8.93	**25.79**	**4.384**
Zaporozh 5	800	8.93	**25.79**	**4.384**
Uglegorsk 7	800	8.93	**25.79**	**4.384**
Uglegorsk 5	800	8.93	**25.79**	**4.384**
Uglegorsk 6	800	8.93	**25.79**	**4.384**
Zaporozh 7	800	8.93	25.79	4.385
Kharkov 7	50	12.49	26.20	4.454
Kharkov 8	37	12.49	26.20	4.454
Krivoroj 9	282	10.81	26.28	4.468
Krivoroj 10	282	10.81	26.28	4.468
Ladyzhin 4	300	10.81	27.21	4.626
Zmiev 8	275	10.81	27.28	4.637
Ladyzhin 3	300	10.81	**27.31**	**4.643**
Ladyzhin 1	300	10.81	**27.31**	**4.643**
Ladyzhin 5	300	10.81	**27.31**	**4.643**
Zmiev 7	275	10.81	27.38	4.655
Ladyzhin 2	300	10.81	27.41	4.659
Ladyzhin 6	300	10.81	**27.41**	**4.660**
Zmiev 10	275	10.81	27.96	4.753
Zmiev 9	275	10.81	28.22	4.797
Lugansk 5	100	12.49	**28.27**	**4.806**
Slaviansk 7	800	8.93	**28.27**	**4.806**
Slaviansk 6	720	8.93	**28.27**	**4.806**
Lugansk 6	100	12.49	**28.27**	**4.806**
Lugansk 8	175	11.35	**28.27**	**4.806**
Lugansk 11	175	11.35	**28.27**	**4.806**
Lugansk 4	100	12.49	**28.27**	**4.806**
Lugansk 12	175	11.35	**28.27**	**4.806**
Lugansk 13	175	11.35	**28.27**	**4.806**
Slaviansk 5	100	12.49	**28.27**	**4.806**
Slaviansk 3	80	12.49	**28.27**	**4.806**
Lugansk 9	175	11.35	28.27	4.806
Lugansk 10	175	11.35	28.27	4.806
Lugansk 14	175	11.35	28.27	4.806
Lugansk 15	175	11.35	28.27	4.806
Tripolye 3	300	10.81	28.96	4.923
Tripolye 2	300	10.81	28.96	4.923
Tripolye 4	300	10.81	28.96	4.923

UKRAINE ELECTRICITY MODEL

TABLE 2: MERIT ORDER TABLE

GENERATOR UNIT	CAPACITY (MW) (1)	GROSS HEAT RATE (GJ/MWh) (1)	SHADOW BIDS ($/MWh) (2)	SHADOW BIDS (MM Krb / /MWh) (2)
Tripolye 5	300	9.20	**28.96**	**4.923**
Tripolye 6	300	9.20	**28.96**	**4.923**
Zmiev 5	175	11.35	29.62	5.036
Zmiev 3	175	11.35	29.95	5.091
Zmiev 4	175	11.35	**29.95**	**5.092**
Zmiev 6	175	11.35	**29.95**	**5.092**
Zmiev 2	175	11.35	**29.95**	**5.092**
Zmiev 1	175	11.35	**29.95**	**5.092**
Tripolye 1	300	10.81	36.17	6.149
Mironov 4	100	12.49	188.63	-
Mironov 3	60	12.49	188.63	-
Mironov 2	100	12.49	188.63	-

Notes: *(1) Source: KPMG Generator Composition Analysis Model.*
(2) Source: National Dispatch Center, day ahead report, 9-14-95. Bids converted at exch. rate of US$1=Krb170,000. The Sep-14 day-ahead report had no bids for some units; bids for these units were based on those of similar units.

UKRAINE ELECTRICITY MODEL

TABLE 3A: HOURLY DESPATCH TABLE January 1996 31 Days

TIME						00:00	01:00	02:00	03:00	04:00	05.00	06:00	07:00	08:00	09:00	10:00	11:00	12.00
DEMAND (MW)						23,145	21,708	20,995	20,663	20,734	21,006	22,123	25,593	28,160	28,656	28,422	27,519	26,848
GENERATOR UNIT	CAPACITY (MW)	AVAILABILITY (%)	AVAILABLE CAPACITY (MW)	CUMULATIVE AVAILABLE CAPACITY (MW)	MERIT ORDER COST ($/MWh)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)
Nuclear	12,761	70 00%	8,933	8,933	0 01	8,933	8,933	8,933	8,933	8,933	8,933	8,933	8,933	8,933	8,933	8,933	8,933	8,933
Hydro	4,609	19 00%	876	9,808	0 02	876	876	876	876	876	876	876	876	876	876	876	876	876
CHP 2 (Ht)	2,393	81 00%	1,938	11,747	1 00	1,938	1,938	1,938	1,938	1,938	1,938	1,938	1,938	1,938	1,938	1,938	1,938	1,938
CHP 2 (Elec)	2,413	0 01%	0	11,747	1 00	0	0	0	0	0	0	0	0	0	0	0	0	0
CHP 1 (Elec)	1,920	0 01%	0	11,747	1 00	0	0	0	0	0	0	0	0	0	0	0	0	0
CHP 1 (Ht)	1,670	85 00%	1,420	13,167	1 00	1,420	1,420	1,420	1,420	1,420	1,420	1,420	1,420	1,420	1,420	1,420	1,420	1,420
Burstin 9	195	78 51%	153	13,320	15.78	153	153	153	153	153	153	153	153	153	153	153	153	153
Burstin 8	195	78 51%	153	13,473	15 78	153	153	153	153	153	153	153	153	153	153	153	153	153
Burstin 12	195	78 51%	153	13,626	16 16	153	153	153	153	153	153	153	153	153	153	153	153	153
Burstin 10	195	78 51%	153	13,779	16 16	153	153	153	153	153	153	153	153	153	153	153	153	153
Burstin 11	195	78 51%	153	13,932	16 16	153	153	153	153	153	153	153	153	153	153	153	153	153
Zaporozh 1	300	73 20%	220	14,152	16 25	220	220	220	220	220	220	220	220	220	220	220	220	220
Zaporozh 2	300	73 20%	220	14,371	16.25	220	220	220	220	220	220	220	220	220	220	220	220	220
Zaporozh 3	300	73 20%	220	14,591	16 25	220	220	220	220	220	220	220	220	220	220	220	220	220
Zaporozh 4	300	73.20%	220	14,811	16 25	220	220	220	220	220	220	220	220	220	220	220	220	220
Burstin 5	195	77 58%	151	14,962	16 84	151	151	151	151	151	151	151	151	151	151	151	151	151
Burstin 4	195	78 51%	153	15,115	16.91	153	153	153	153	153	153	153	153	153	153	153	153	153
Burstin 6	185	81 88%	151	15,266	16 92	151	151	151	151	151	151	151	151	151	151	151	151	151
Burstin 2	185	82 36%	152	15,419	16 92	152	152	152	152	152	152	152	152	152	152	152	152	152
Burstin 3	185	82 36%	152	15,571	16 92	152	152	152	152	152	152	152	152	152	152	152	152	152
Burstin 7	185	81 88%	151	15,723	16 92	151	151	151	151	151	151	151	151	151	151	151	151	151
Burstin 1	195	78 05%	152	15,875	17 07	152	152	152	152	152	152	152	152	152	152	152	152	152
Pridneprov 7	150	70 20%	105	15,980	20 17	105	105	105	105	105	105	105	105	105	105	105	105	105
Pridneprov 10	150	70 20%	105	16,085	20 17	105	105	105	105	105	105	105	105	105	105	105	105	105
Pridneprov 9	150	70 20%	105	16,191	20.17	105	105	105	105	105	105	105	105	105	105	105	105	105
Pridneprov 8	150	70 20%	105	16,296	20 17	105	105	105	105	105	105	105	105	105	105	105	105	105
Dobrotvor 4	100	76 44%	76	16,372	21.72	76	76	76	76	76	76	76	76	76	76	76	76	76
Dobrotvor 5	100	76 44%	76	16,449	21 72	76	76	76	76	76	76	76	76	76	76	76	76	76
Dobrotvor 6	100	76 44%	76	16,525	21 72	76	76	76	76	76	76	76	76	76	76	76	76	76
Dobrotvor 8	150	58 20%	87	16,613	21 75	87	87	87	87	87	87	87	87	87	87	87	87	87
Starobesh 10	200	65 70%	131	16,744	22 04	131	131	131	131	131	131	131	131	131	131	131	131	131
Starobesh 7	200	65 70%	131	16,875	22 04	131	131	131	131	131	131	131	131	131	131	131	131	131
Starobesh 8	200	65 70%	131	17,007	22 04	131	131	131	131	131	131	131	131	131	131	131	131	131
Starobesh 6	200	65 70%	131	17,138	22 04	131	131	131	131	131	131	131	131	131	131	131	131	131
Starobesh 9	200	65 70%	131	17,270	22 04	131	131	131	131	131	131	131	131	131	131	131	131	131
Starobesh 4	200	65 70%	131	17,401	22 04	131	131	131	131	131	131	131	131	131	131	131	131	131
Starobesh 11	200	65 70%	131	17,532	22 04	131	131	131	131	131	131	131	131	131	131	131	131	131
Starobesh 12	200	65 70%	131	17,664	22 04	131	131	131	131	131	131	131	131	131	131	131	131	131
Starobesh 5	200	65 70%	131	17,795	22 04	131	131	131	131	131	131	131	131	131	131	131	131	131
Starobesh 13	200	65 70%	131	17,927	22 04	131	131	131	131	131	131	131	131	131	131	131	131	131
Krivoroj 3	282	77 99%	220	18,147	22 68	220	220	220	220	220	220	220	220	220	220	220	220	220
Dobrotvor 7	150	76 20%	114	18,261	22 75	114	114	114	114	114	114	114	114	114	114	114	114	114
Krivoroj 5	282	77 99%	220	18,481	22 83	220	220	220	220	220	220	220	220	220	220	220	220	220
Uglegorsk 2	300	83 70%	251	18,732	23 91	251	251	251	251	251	251	251	251	251	251	251	251	251
Uglegorsk 1	300	83 70%	251	18,983	23 91	251	251	251	251	251	251	251	251	251	251	251	251	251
Uglegorsk 3	300	83 70%	251	19,234	23 91	251	251	251	251	251	251	251	251	251	251	251	251	251
Uglegorsk 4	300	83 70%	251	19,485	23 91	251	251	251	251	251	251	251	251	251	251	251	251	251
Krivoroj 7	282	77 99%	220	19,705	24 00	220	220	220	220	220	220	220	220	220	220	220	220	220
Krivoroj 2	282	77 99%	220	19,925	24 00	220	220	220	220	220	220	220	220	220	220	220	220	220
Krivoroj 4	282	77 99%	220	20,145	24 00	220	220	220	220	220	220	220	220	220	220	220	220	220
Krivoroj 6	282	77 99%	220	20,365	24 00	220	220	220	220	220	220	220	220	220	220	220	220	220
Krivoroj 8	282	77 99%	220	20,585	24 00	220	220	220	220	220	220	220	220	220	220	220	220	220
Krivoroj 1	282	77 99%	220	20,805	24 14	220	220	220	78	149	220	220	220	220	220	220	220	220
Zuyev 2	300	76 20%	229	21,033	24 38	229	229	190	0	0	201	229	229	229	229	229	229	229
Zuyev 1	300	76 20%	229	21,262	24 38	229	229	0	0	0	0	229	229	229	229	229	229	229
Zuyev 3	300	76 20%	229	21,490	24 38	229	229	0	0	0	0	229	229	229	229	229	229	229
Zuyev 4	300	76 20%	229	21,719	24 38	229	217	0	0	0	0	229	229	229	229	229	229	229
Kurakhov 5	210	70 63%	148	21,867	24 61	148	0	0	0	0	0	148	148	148	148	148	148	148
Kurakhov 3	200	70 20%	140	22,008	24 61	140	0	0	0	0	0	140	140	140	140	140	140	140
Kurakhov 6	210	70 63%	148	22,156	24 61	148	0	0	0	0	0	115	148	148	148	148	148	148
Kurakhov 8	210	70 63%	148	22,304	24 61	148	0	0	0	0	0	0	148	148	148	148	148	148
Kurakhov 9	210	70 63%	148	22,453	24 61	148	0	0	0	0	0	0	148	148	148	148	148	148

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UKRAINE ELECTRICITY MODEL

TABLE 3A: HOURLY DESPATCH TABLE January 1996 31 Days

TIME						00:00	01:00	02.00	03:00	04:00	05:00	06:00	07 00	08.00	09:00	10.00	11:00	12:00
DEMAND (MW)						23,145	21,708	20,995	20,663	20,734	21,006	22,123	25,593	28,160	28,656	28,422	27,519	26,848
GENERATOR UNIT	CAPACITY (MW)	AVAILABILITY (%)	AVAILABLE CAPACITY (MW)	CUMULATIVE AVAILABLE CAPACITY (MW)	MERIT ORDER COST ($/MWh)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)
Kurakhov 4	210	66 77%	140	22,593	24 61	140	0	0	0	0	0	0	140	140	140	140	140	140
Kurakhov 7	210	70 63%	148	22,741	24 61	148	0	0	0	0	0	0	148	148	148	148	148	148
Pridneprov 14	285	70 83%	202	22,943	25 55	202	0	0	0	0	0	0	202	202	202	202	202	202
Pridneprov 13	285	70 83%	202	23,145	25 55	201	0	0	0	0	0	0	202	202	202	202	202	202
Pridneprov 12	285	70 83%	202	23,347	25 55	0	0	0	0	0	0	0	202	202	202	202	202	202
Pridneprov 11	285	70 83%	202	23,549	25 55	0	0	0	0	0	0	0	202	202	202	202	202	202
Zaporozh 6	800	89 00%	712	24,261	25 79	0	0	0	0	0	0	0	712	712	712	712	712	712
Zaporozh 5	800	89 00%	712	24,973	25 79	0	0	0	0	0	0	0	712	712	712	712	712	712
Uglegorsk 7	800	89 00%	712	25,685	25 79	0	0	0	0	0	0	0	620	712	712	712	712	712
Uglegorsk 5	800	89 00%	712	26,397	25 79	0	0	0	0	0	0	0	0	712	712	712	712	712
Uglegorsk 6	800	89 00%	712	27,109	25 79	0	0	0	0	0	0	0	0	712	712	712	712	451
Zaporozh 7	800	89 00%	712	27,821	25 79	0	0	0	0	0	0	0	0	712	712	712	410	0
Kharkov 7	50	86 24%	43	27,864	26 20	0	0	0	0	0	0	0	0	43	43	43	0	0
Kharkov 8	37	86.24%	32	27,896	26 20	0	0	0	0	0	0	0	0	32	32	32	0	0
Krivoroj 9	282	77 99%	220	28,116	26 28	0	0	0	0	0	0	0	0	220	220	220	0	0
Krivoroj 10	282	77 99%	220	28,336	26 28	0	0	0	0	0	0	0	0	44	220	220	0	0
Ladyzhin 4	300	76 20%	229	28,564	27.21	0	0	0	0	0	0	0	0	0	229	86	0	0
Zmiev 8	275	96 38%	265	28,829	27 28	0	0	0	0	0	0	0	0	0	92	0	0	0
Ladyzhin 3	300	76 20%	229	29,058	27 31	0	0	0	0	0	0	0	0	0	0	0	0	0
Ladyzhin 1	300	76 20%	229	29,286	27 31	0	0	0	0	0	0	0	0	0	0	0	0	0
Ladyzhin 5	300	76 20%	229	29,515	27 31	0	0	0	0	0	0	0	0	0	0	0	0	0
Zmiev 7	275	96 38%	265	29,780	27 38	0	0	0	0	0	0	0	0	0	0	0	0	0
Ladyzhin 2	300	76 20%	229	30,009	27 41	0	0	0	0	0	0	0	0	0	0	0	0	0
Ladyzhin 6	300	76 20%	229	30,237	27 41	0	0	0	0	0	0	0	0	0	0	0	0	0
Zmiev 10	275	50 56%	139	30,376	27 96	0	0	0	0	0	0	0	0	0	0	0	0	0
Zmiev 9	275	47 29%	130	30,506	28 22	0	0	0	0	0	0	0	0	0	0	0	0	0
Lugansk 5	100	65 24%	65	30,572	28 27	0	0	0	0	0	0	0	0	0	0	0	0	0
Slavlansk 7	800	75 66%	605	31,177	28 27	0	0	0	0	0	0	0	0	0	0	0	0	0
Slavlansk 6	720	75 66%	545	31,722	28 27	0	0	0	0	0	0	0	0	0	0	0	0	0
Lugansk 6	100	65 24%	65	31,787	28 27	0	0	0	0	0	0	0	0	0	0	0	0	0
Lugansk 8	175	59 91%	105	31,892	28 27	0	0	0	0	0	0	0	0	0	0	0	0	0
Lugansk 11	175	59 91%	105	31,997	28 27	0	0	0	0	0	0	0	0	0	0	0	0	0
Lugansk 4	100	65 24%	65	32,062	28 27	0	0	0	0	0	0	0	0	0	0	0	0	0
Lugansk 12	175	59 91%	105	32,167	28 27	0	0	0	0	0	0	0	0	0	0	0	0	0
Lugansk 13	175	59 91%	105	32,271	28 27	0	0	0	0	0	0	0	0	0	0	0	0	0
Slavlansk 5	100	76 44%	76	32,348	28 27	0	0	0	0	0	0	0	0	0	0	0	0	0
Slavlansk 3	80	76 44%	61	32,409	28 27	0	0	0	0	0	0	0	0	0	0	0	0	0
Lugansk 9	175	59 91%	105	32,514	28 27	0	0	0	0	0	0	0	0	0	0	0	0	0
Lugansk 10	175	49 63%	87	32,601	28 27	0	0	0	0	0	0	0	0	0	0	0	0	0
Lugansk 14	175	59 91%	105	32,706	28 27	0	0	0	0	0	0	0	0	0	0	0	0	0
Lugansk 15	175	70 20%	123	32,828	28 27	0	0	0	0	0	0	0	0	0	0	0	0	0
Tripolye 3	300	83 70%	251	33,080	28 96	0	0	0	0	0	0	0	0	0	0	0	0	0
Tripolye 2	300	83 70%	251	33,331	28 96	0	0	0	0	0	0	0	0	0	0	0	0	0
Tripolye 4	300	83 70%	251	33,582	28 96	0	0	0	0	0	0	0	0	0	0	0	0	0
Tripolye 5	300	83 70%	251	33,833	28 96	0	0	0	0	0	0	0	0	0	0	0	0	0
Tripolye 6	300	83 70%	251	34,084	28 96	0	0	0	0	0	0	0	0	0	0	0	0	0
Zmiev 5	175	85 63%	150	34,234	29 62	0	0	0	0	0	0	0	0	0	0	0	0	0
Zmiev 3	175	85 63%	150	34,384	29 95	0	0	0	0	0	0	0	0	0	0	0	0	0
Zmiev 4	175	85 63%	150	34,534	29 95	0	0	0	0	0	0	0	0	0	0	0	0	0
Zmiev 6	175	85 63%	150	34,683	29 95	0	0	0	0	0	0	0	0	0	0	0	0	0
Zmiev 2	175	85 63%	150	34,833	29 95	0	0	0	0	0	0	0	0	0	0	0	0	0
Zmiev 1	175	85 63%	150	34,983	29 95	0	0	0	0	0	0	0	0	0	0	0	0	0
Tripolye 1	300	83 70%	251	35,234	36 17	0	0	0	0	0	0	0	0	0	0	0	0	0
Mironov 4	100	66 64%	67	35,301	188 63	0	0	0	0	0	0	0	0	0	0	0	0	0
Mironov 3	60	66 64%	40	35,341	188 63	0	0	0	0	0	0	0	0	0	0	0	0	0
Mironov 2	100	66 64%	67	35,407	188 63	0	0	0	0	0	0	0	0	0	0	0	0	0
SMP						25 55	24 38	24 38	24 14	24 14	24 38	24 61	25 79	26 28	27 28	27 21	25 79	25 79

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13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00	MONTHLY ENERGY (GWh)					
27,156	26,887	26,561	26,376	27,284	29,069	29,847	29,865	29,503	28,138	25,906	19,287					
DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	TOTAL MONTHLY ENERGY (GWh)	TOTAL POTENTIAL MONTHLY ENERGY (GWh)	% OF POTENTIAL MONTHLY ENERGY (%)	MINIMUM SMP ($)	AVERAGE SMP ($)	MAXIMUM SMP ($)
8,933	8,933	8,933	8,933	8,933	8,933	8,933	8,933	8,933	8,933	8,933	6,646	6,646	100.0%			
876	876	876	876	876	876	876	876	876	876	876	652	652	100.0%			
1,938	1,938	1,938	1,938	1,938	1,938	1,938	1,938	1,938	1,938	1,938	1,442	1,442	100.0%			
0	0	0	0	0	0	0	0	0	0	0	0	0	100.0%			
0	0	0	0	0	0	0	0	0	0	0	0	0	100.0%			
1,420	1,420	1,420	1,420	1,420	1,420	1,420	1,420	1,420	1,420	1,420	1,056	1,056	100.0%			
153	153	153	153	153	153	153	153	153	153	153	114	114	100.0%			
153	153	153	153	153	153	153	153	153	153	153	114	114	100.0%			
153	153	153	153	153	153	153	153	153	153	153	114	114	100.0%			
153	153	153	153	153	153	153	153	153	153	153	114	114	100.0%			
153	153	153	153	153	153	153	153	153	153	153	114	114	100.0%			
220	220	220	220	220	220	220	220	220	220	220	163	163	100.0%			
220	220	220	220	220	220	220	220	220	220	220	163	163	100.0%			
220	220	220	220	220	220	220	220	220	220	220	163	163	100.0%			
220	220	220	220	220	220	220	220	220	220	220	163	163	100.0%			
151	151	151	151	151	151	151	151	151	151	151	113	113	100.0%			
153	153	153	153	153	153	153	153	153	153	153	114	114	100.0%			
151	151	151	151	151	151	151	151	151	151	151	113	113	100.0%			
152	152	152	152	152	152	152	152	152	152	152	113	113	100.0%			
152	152	152	152	152	152	152	152	152	152	152	113	113	100.0%			
151	151	151	151	151	151	151	151	151	151	151	113	113	100.0%			
152	152	152	152	152	152	152	152	152	152	152	113	113	100.0%			
105	105	105	105	105	105	105	105	105	105	105	78	78	100.0%			
105	105	105	105	105	105	105	105	105	105	105	78	78	100.0%			
105	105	105	105	105	105	105	105	105	105	105	78	78	100.0%			
105	105	105	105	105	105	105	105	105	105	105	78	78	100.0%			
76	76	76	76	76	76	76	76	76	76	76	57	57	100.0%			
76	76	76	76	76	76	76	76	76	76	76	57	57	100.0%			
76	76	76	76	76	76	76	76	76	76	76	57	57	100.0%			
87	87	87	87	87	87	87	87	87	87	87	65	65	100.0%			
131	131	131	131	131	131	131	131	131	131	131	98	98	100.0%			
131	131	131	131	131	131	131	131	131	131	131	98	98	100.0%			
131	131	131	131	131	131	131	131	131	131	131	98	98	100.0%			
131	131	131	131	131	131	131	131	131	131	131	98	98	100.0%			
131	131	131	131	131	131	131	131	131	131	131	98	98	100.0%			
131	131	131	131	131	131	131	131	131	131	131	98	98	100.0%			
131	131	131	131	131	131	131	131	131	131	131	98	98	100.0%			
131	131	131	131	131	131	131	131	131	131	131	98	98	100.0%			
131	131	131	131	131	131	131	131	131	131	131	98	98	100.0%			
220	220	220	220	220	220	220	220	220	220	220	164	164	100.0%			
114	114	114	114	114	114	114	114	114	114	114	85	85	100.0%			
220	220	220	220	220	220	220	220	220	220	220	164	164	100.0%			
251	251	251	251	251	251	251	251	251	251	251	187	187	100.0%			
251	251	251	251	251	251	251	251	251	251	251	187	187	100.0%			
251	251	251	251	251	251	251	251	251	251	251	187	187	100.0%			
251	251	251	251	251	251	251	251	251	251	251	187	187	100.0%			
220	220	220	220	220	220	220	220	220	220	220	164	164	100.0%			
220	220	220	220	220	220	220	220	220	220	220	164	164	100.0%			
220	220	220	220	220	220	220	220	220	220	220	164	164	100.0%			
220	220	220	220	220	220	220	220	220	220	220	164	164	100.0%			
220	220	220	220	220	220	220	220	220	220	220	164	164	100.0%			
220	220	220	220	220	220	220	220	220	220	220	157	164	96.0%			
229	229	229	229	229	229	229	229	229	229	229	154	170	90 5%			
229	229	229	229	229	229	229	229	229	229	229	142	170	83.3%			
229	229	229	229	229	229	229	229	229	229	229	142	170	83.3%			
229	229	229	229	229	229	229	229	229	229	229	141	170	83.1%			
148	148	148	148	148	148	148	148	148	148	148	87	110	79.2%			
140	140	140	140	140	140	140	140	140	140	140	83	104	79.2%			
148	148	148	148	148	148	148	148	148	148	148	86	110	78.2%			
148	148	148	148	148	148	148	148	148	148	148	83	110	75 0%			
148	148	148	148	148	148	148	148	148	148	148	83	110	75.0%			

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13:00	14:00	15:00	16:00	17.00	18:00	19:00	20 00	21.00	22:00	23:00	MONTHLY ENERGY (GWh)					
27,156	26,887	26,561	26,376	27,264	29,069	29,847	29,865	29,503	28,138	25,906	19,287					
DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	DESPATCH (MW)	TOTAL MONTHLY ENERGY (GWh)	TOTAL POTENTIAL MONTHLY ENERGY (GWh)	% OF POTENTIAL MONTHLY ENERGY (%)	MINIMUM SMP ($)	AVERAGE SMP ($)	MAXIMUM SMP ($)
140	140	140	140	140	140	140	140	140	140	140	78	104	75.0%			
148	148	148	148	148	148	148	148	148	148	148	83	110	75.0%			
202	202	202	202	202	202	202	202	202	202	202	113	150	75.0%			
202	202	202	202	202	202	202	202	202	202	202	113	150	75.0%			
202	202	202	202	202	202	202	202	202	202	202	106	150	70.8%			
202	202	202	202	202	202	202	202	202	202	202	106	150	70.8%			
712	712	712	712	712	712	712	712	712	712	712	375	530	70.8%			
712	712	712	712	712	712	712	712	712	712	712	375	530	70.8%			
712	712	712	712	712	712	712	712	712	712	712	372	530	70.3%			
712	712	712	691	712	712	712	712	712	712	221	337	530	63.7%			
712	490	164	0	712	712	712	712	712	712	0	277	530	52.3%			
47	0	0	0	175	712	712	712	712	712	0	196	530	37.0%			
0	0	0	0	0	43	43	43	43	43	0	11	32	33.3%			
0	0	0	0	0	32	32	32	32	32	0	8	24	33.3%			
0	0	0	0	0	220	220	220	220	220	0	55	164	33.3%			
0	0	0	0	0	220	220	220	220	23	0	43	164	26.3%			
0	0	0	0	0	229	229	229	229	0	0	38	170	22.4%			
0	0	0	0	0	265	265	265	265	0	0	36	197	18.1%			
0	0	0	0	0	229	229	229	229	0	0	28	170	16.7%			
0	0	0	0	0	11	229	229	229	0	0	22	170	12.7%			
0	0	0	0	0	0	229	229	217	0	0	21	170	12.3%			
0	0	0	0	0	0	265	265	0	0	0	16	197	8.3%			
0	0	0	0	0	0	67	85	0	0	0	5	170	2.8%			
0	0	0	0	0	0	0	0	0	0	0	0	170	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	103	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	97	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	49	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	450	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	405	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	49	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	78	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	78	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	49	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	78	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	78	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	57	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	45	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	78	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	65	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	78	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	91	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	187	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	187	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	187	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	187	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	187	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	111	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	111	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	111	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	111	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	111	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	111	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	187	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	50	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	30	0.0%			
0	0	0	0	0	0	0	0	0	0	0	0	50	0.0%			
25 79	25 79	25 79	25 79	25 79	27 31	27 41	27 41	27 31	26 28	25 79	19,287	26,343	73.2%	24.14	25.84	27.41

TABLE 15G: **SYSTEM MARGINAL PRICE**

	MINIMUM SMP (US $ / MWh)	AVERAGE SMP (US $ / MWh)	MAXIMUM SMP (US $ / MWh)	MINIMUM SMP (Krb-mil / Mwh)	AVERAGE SMP (Krb-mil / Mwh)	MAXIMUM SMP (Krb-mil / Mwh)
JANUARY	24.14	25.84	27.41	4.103	4.393	4.659
FEBRUARY	24.61	26.12	27.41	4.183	4.441	4.660
MARCH	24.61	25.96	28.27	4.183	4.413	4.806
APRIL	23.91	25.26	25.79	4.065	4.294	4.385
MAY	17.07	23.54	25.55	2.901	4.002	4.344
JUNE	22.83	25.12	25.79	3.881	4.270	4.384
JULY	23.91	25.17	25.79	4.065	4.279	4.384
AUGUST (*)	23.91	25.17	25.79	4.065	4.279	4.384
SEPTEMBER	22.04	24.44	25.79	3.746	4.156	4.384
OCTOBER	24.38	25.85	27.38	4.145	4.394	4.655
NOVEMBER	24.61	26.39	28.27	4.183	4.487	4.806
DECEMBER	24.00	25.84	27.38	4.080	4.392	4.655
ANNUAL	**17.07**	**25.39**	**28.27**	**2.90**	**4.32**	**4.81**

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TABLE 23: COAL INVENTORY PLAN - BY COMPANY October 1995 - August 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: COAL (%)	ACTUAL (allocated) OCT 1995 (days burn)	NOV 1995 (days burn)	DEC 1995 (days burn)	JAN 1996 (days burn)	FEB 1996 (days burn)	MAR 1996 (days burn)	APR 1996 (days burn)	MAY 1996 (days burn)	JUNE 1996 (days burn)	JULY 1996 (days burn)	AUGUST 1996 (days burn)
1. DONBASS													
Zuyev	1,200	75%	17.1	45	90	60	30	7	7	7	7	7	7
Starobesh	2,000	70%	21.1	45	90	60	30	7	7	7	7	7	7
Lugansk A (4-6)	300	74%	ERR	45	90	60	30	7	7	7	7	7	7
Lugansk B (8-15)	1,400	74%	ERR	45	90	60	30	7	7	7	7	7	7
Slaviansk A (3,5)	180	95%	ERR	45	90	60	30	7	7	7	7	7	7
Slaviansk B (6-7)	1,520	43%	ERR	45	90	60	30	7	7	7	7	7	7
Kurakhov	1,460	75%	28.4	45	90	60	30	7	7	7	7	7	7
Subtotal	8,060		56.1										
2. DNIPRO													
Pridneprov A (7-10)	600	85%	46.9	70	90	60	30	7	7	7	7	7	7
Pridneprov B (11-14)	1,140	85%	186.9	90	90	60	30	7	7	7	7	7	7
Krivoroj	2,820	85%	21.3	45	90	60	30	7	7	7	7	7	7
Zaporozh A (1-4)	1,200	95%	(0.1)	45	90	60	30	7	7	7	7	7	7
Zaporozh B (5-7)	2,400	0%	ERR	45	90	60	30	7	7	7	7	7	7
Subtotal	8,160		26.5										
3. ZAKHID													
Ladyzhin	1,800	90%	ERR	45	90	60	30	7	7	7	7	7	7
Burstin	2,300	90%	14.3	45	90	60	30	7	7	7	7	7	7
Dobrotvor A (4-6)	300	42%	40.4	65	90	60	30	7	7	7	7	7	7
Dobrotvor B (7-8)	300	42%	60.4	75	90	60	30	7	7	7	7	7	7
Subtotal	4,700		20.0										
4. TSENTR													
Uglegorsk A (1-4)	1,200	95%	0.8	45	90	60	30	7	7	7	7	7	7
Uglegorsk B (5-7)	2,400	0%	ERR	45	90	60	30	7	7	7	7	7	7
Tripolye A (1-4)	1,200	90%	ERR	45	90	60	30	7	7	7	7	7	7
Tripolye B (5-6)	600	0%	ERR	45	90	60	30	7	7	7	7	7	7
Zmiev	2,150	85%	ERR	45	90	60	30	7	7	7	7	7	7
Subtotal	7,550		27.9										
TOTAL FOSSIL	28,470												

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TABLE 24: OIL INVENTORY PLAN - BY COMPANY October 1995 - August 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: OIL (%)	ACTUAL (allocated) OCT 1995 (days burn)	NOV 1995 (days burn)	DEC 1995 (days burn)	JAN 1996 (days burn)	FEB 1996 (days burn)	MAR 1996 (days burn)	APR 1996 (days burn)	MAY 1996 (days burn)	JUNE 1996 (days burn)	JULY 1996 (days burn)	AUGUST 1996 (days burn)
1. DONBASS													
Zuyev	1,200	0%	ERR	45	90	60	30	7	7	7	7	7	7
Starobesh	2,000	30%	0.7	45	90	60	30	7	7	7	7	7	7
Lugansk A (4-6)	300	26%	ERR	45	90	60	30	7	7	7	7	7	7
Lugansk B (8-15)	1,400	26%	ERR	45	90	60	30	7	7	7	7	7	7
Slaviansk A (3,5)	180	5%	ERR	45	90	60	30	7	7	7	7	7	7
Slaviansk B (6-7)	1,520	8%	ERR	45	90	60	30	7	7	7	7	7	7
Kurakhov	1,460	25%	6.3	45	90	60	30	7	7	7	7	7	7
Subtotal	8,060		3.6										
2. DNIPRO													
Pridneprov A (7-10)	600	15%	2.1	45	90	60	30	7	7	7	7	7	7
Pridneprov B (11-14)	1,140	15%	8.5	45	90	60	30	7	7	7	7	7	7
Krivoroj	2,820	15%	5.0	45	90	60	30	7	7	7	7	7	7
Zaporozh A (1-4)	1,200	5%	50.2	70	90	60	30	7	7	7	7	7	7
Zaporozh B (5-7)	2,400	0%	ERR	45	90	60	30	7	7	7	7	7	7
Subtotal	8,160		10.6										
3. ZAKHID													
Ladyzhin	1,800	0%	ERR	45	90	60	30	7	7	7	7	7	7
Burstin	2,300	10%	1.2	45	90	60	30	7	7	7	7	7	7
Dobrotvor A (4-6)	300	2%	29.9	60	90	60	30	7	7	7	7	7	7
Dobrotvor B (7-8)	300	2%	44.7	70	90	60	30	7	7	7	7	7	7
Subtotal	4,700		3.2										
4. TSENTR													
Uglegorsk A (1-4)	1,200	5%	2.5	45	90	60	30	7	7	7	7	7	7
Uglegorsk B (5-7)	2,400	100%	435.9	90	90	60	30	7	7	7	7	7	7
Tripolye A (1-4)	1,200	10%	ERR	45	90	60	30	7	7	7	7	7	7
Tripolye B (5-6)	600	100%	ERR	45	90	60	30	7	7	7	7	7	7
Zmiev	2,150	15%	ERR	45	90	60	30	7	7	7	7	7	7
Subtotal	7,550		99.9										
TOTAL FOSSIL	28,470												

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TABLE 25: GAS INVENTORY PLAN - BY COMPANY September 1995 - August 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: GAS (%)	SEPT 1995 (days burn)	OCT 1995 (days burn)	NOV 1995 (days burn)	DEC 1995 (days burn)	JAN 1996 (days burn)	FEB 1996 (days burn)	MAR 1996 (days burn)	APR 1996 (days burn)	MAY 1996 (days burn)	JUNE 1996 (days burn)	JULY 1996 (days burn)	AUGUST 1996 (days burn)
1. DONBASS														
Zuyev	1,200	25%	0	0	0	0	0	0	0	0	0	0	0	0
Starobesh	2,000	0%	0	0	0	0	0	0	0	0	0	0	0	0
Lugansk A (4-6)	300	0%	0	0	0	0	0	0	0	0	0	0	0	0
Lugansk B (8-15)	1,400	0%	0	0	0	0	0	0	0	0	0	0	0	0
Slaviansk A (3,5)	180	0%	0	0	0	0	0	0	0	0	0	0	0	0
Slaviansk B (6-7)	1,520	49%	0	0	0	0	0	0	0	0	0	0	0	0
Kurakhov	1,460	0%	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	8,060													
2. DNIPRO														
Pridneprov A (7-10)	600	0%	0	0	0	0	0	0	0	0	0	0	0	0
Pridneprov B (11-14)	1,140	0%	0	0	0	0	0	0	0	0	0	0	0	0
Krivoroj	2,820	0%	0	0	0	0	0	0	0	0	0	0	0	0
Zaporozh A (1-4)	1,200	0%	0	0	0	0	0	0	0	0	0	0	0	0
Zaporozh B (5-7)	2,400	100%	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	8,160													
3. ZAKHID														
Ladyzhin	1,800	10%	0	0	0	0	0	0	0	0	0	0	0	0
Burstin	2,300	0%	0	0	0	0	0	0	0	0	0	0	0	0
Dobrotvor A (4-6)	300	56%	0	0	0	0	0	0	0	0	0	0	0	0
Dobrotvor B (7-8)	300	56%	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	4,700													
4. TSENTR														
Uglegorsk A (1-4)	1,200	0%	0	0	0	0	0	0	0	0	0	0	0	0
Uglegorsk B (5-7)	2,400	0%	0	0	0	0	0	0	0	0	0	0	0	0
Tripolye A (1-4)	1,200	0%	0	0	0	0	0	0	0	0	0	0	0	0
Tripolye B (5-6)	600	0%	0	0	0	0	0	0	0	0	0	0	0	0
Zmiev	2,150	0%	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	7,550													
5. CHP														
CHP 1 (Ht)	1,670	-	0	0	0	0	0	0	0	0	0	0	0	0
CHP 1 (Elec)	1,920	-	0	0	0	0	0	0	0	0	0	0	0	0
CHP 2 (Ht)	2,393	-	0	0	0	0	0	0	0	0	0	0	0	0
CHP 2 (Elec)	2,413	-	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	8,396													
TOTAL FOSSIL	28,470													

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TABLE 26: **MONTHLY COAL INVENTORY - BY COMPANY (Beginning of Month)**

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: COAL (%)	ACTUAL OCT 1995 (tonnes) (1)	ACTUAL (allocated) OCT 1995 (tonnes) (2)	NOV 1995 (tonnes)	DEC 1995 (tonnes)	JAN 1996 (tonnes)	FEB 1996 (tonnes)	MAR 1996 (tonnes)	APR 1996 (tonnes)	MAY 1996 (tonnes)	JUNE 1996 (tonnes)	JULY 1996 (tonnes)	AUGUST 1996 (tonnes)
1. DONBASS														
Zuyev	1,200	75%	88,600	88,600	388,747	712,567	489,907	268,764	60,472	45,252	26,121	40,267	40,979	41,121
Starobesh	2,000	70%	189,600	189,600	466,997	1,037,771	691,847	322,862	72,644	71,747	52,585	67,263	67,263	67,263
Lugansk A (4-6)	300	74%	350,200	61,800	3,068	0	0	0	75	0	0	0	0	0
Lugansk B (8-15)	1,400	74%	0	288,400	0	0	0	0	0	0	0	0	0	0
Slaviansk A (3,5)	180	95%	353,700	37,451	0	0	0	0	0	0	0	0	0	0
Slaviansk B (6-7)	1,520	43%	0	316,249	5,042	0	0	0	0	0	0	0	0	0
Kurakhov	1,460	75%	189,800	189,800	497,947	951,357	648,366	377,468	84,391	62,140	16,913	54,829	55,498	55,685
Subtotal	8,060		1,171,900	1,171,900	1,361,802	2,701,695	1,830,120	969,094	217,582	179,138	95,619	162,359	163,740	164,069
2. DNIPRO														
Pridneprov A (7-10)	600	85%	566,400	195,310	314,963	449,947	299,965	139,984	31,496	31,107	26,925	29,163	29,163	29,163
Pridneprov B (11-14)	1,140	85%	0	371,090	588,487	581,939	399,357	208,258	45,961	38,917	3,236	31,142	32,504	33,270
Krivoroj	2,820	85%	313,200	313,200	1,100,978	2,310,655	1,553,908	729,804	161,409	132,839	94,756	116,899	119,185	119,558
Zaporozh A (1-4)	1,200	95%	(3,700)	(1,233)	595,146	1,322,547	881,698	411,459	92,578	91,435	85,721	85,721	85,721	85,721
Zaporozh B (5-7)	2,400	0%	0	(2,467)	0	0	0	0	0	0	0	0	0	0
Subtotal	8,160		875,900	875,900	2,599,574	4,665,087	3,134,928	1,489,505	331,445	294,299	210,638	262,925	266,573	267,712
3. ZAKHID														
Ladyzhin	1,800	90%	55,200	55,200	220,570	179,525	127,885	99,802	11,801	0	0	0	0	0
Burstin	2,300	90%	320,400	320,400	1,085,429	2,412,064	1,608,043	750,420	168,844	166,760	156,093	156,337	156,337	156,337
Dobrotvor A (4-6)	300	42%	122,900	61,450	112,604	155,914	103,942	51,971	10,642	10,642	7,693	9,033	9,033	9,033
Dobrotvor B (7-8)	300	42%	0	61,450	93,461	124,615	83,076	38,769	8,723	8,615	6,349	8,077	8,077	8,077
Subtotal	4,700		498,500	498,500	1,512,064	2,872,118	1,922,947	940,962	200,011	186,017	170,135	173,447	173,447	173,447
4. TSENTR														
Uglegorsk A (1-4)	1,200	95%	20,100	6,700	533,414	1,185,364	790,243	368,780	82,975	81,632	53,442	66,295	71,237	71,948
Uglegorsk B (5-7)	2,400	0%	0	13,400	0	0	0	0	0	0	0	0	0	0
Tripolye A (1-4)	1,200	90%	8,900	5,933	0	0	0	0	0	0	0	0	0	0
Tripolye B (5-6)	600	0%	0	2,967	0	0	0	0	0	0	0	0	0	0
Zmiev	2,150	85%	209,100	209,100	88,265	62,518	48,097	37,192	5,581	0	0	0	0	0
Subtotal	7,550		238,100	238,100	621,679	1,247,882	838,339	405,972	88,557	81,632	53,442	66,295	71,237	71,948
TOTAL FOSSIL	28,470		2,784,400	2,784,400	6,095,118	11,486,782	7,726,334	3,805,532	837,594	741,086	529,834	665,026	674,997	677,178

(1) Source: "Information on Fuel Supply within Minenergo as of 10/08/95" except Lugansk and Kurakhov from Price Waterhouse, "Preliminary Estimate Fuel Reserves" dated 9-28-95.
(2) Fuel inventories were allocated to A and B units of plants in proportion to fuel usage or installed capacity in MW (where no fuel usage).

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TABLE 27: MONTHLY OIL INVENTORY BY COMPANY (Beginning of Month)

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: OIL (%)	ACTUAL OCT 1995 (tonnes) (1)	ACTUAL (allocated) OCT 1995 (tonnes) (2)	NOV 1995 (tonnes)	DEC 1995 (tonnes)	JAN 1996 (tonnes)	FEB 1996 (tonnes)	MAR 1996 (tonnes)	APR 1996 (tonnes)	MAY 1996 (tonnes)	JUNE 1996 (tonnes)	JULY 1996 (tonnes)	AUGUST 1996 (tonnes)
1. DONBASS														
Zuyev	1,200	0%	100	100	0	0	0	0	0	0	0	0	0	0
Starobesh	2,000	30%	1,400	1,400	108,400	240,888	160,592	74,943	16,862	16,654	12,206	15,613	15,613	15,613
Lugansk A (4-6)	300	26%	5,600	988	472	0	0	0	12	0	0	0	0	0
Lugansk B (8-15)	1,400	26%	0	4,612	0	0	0	0	0	0	0	0	0	0
Slaviansk A (3,5)	180	5%	(1,900)	(201)	0	0	0	0	0	0	0	0	0	0
Slaviansk B (6-7)	1,520	8%	0	(1,699)	434	0	0	0	0	0	0	0	0	0
Kurakhov	1,460	25%	5,200	5,200	61,844	118,156	80,525	46,881	10,481	7,718	2,101	6,810	6,893	6,916
Subtotal	8,060		10,400	10,400	171,149	359,044	241,117	121,824	27,355	24,372	14,307	22,423	22,506	22,529
2. DNIPRO														
Pridneprov A (7-10)	600	15%	2,300	793	18,042	40,093	26,728	12,473	2,806	2,772	2,399	2,599	2,599	2,599
Pridneprov B (11-14)	1,140	15%	0	1,507	26,219	51,854	35,585	18,557	4,095	3,468	288	2,775	2,896	2,965
Krivoroj	2,820	15%	5,200	5,200	77,973	163,644	110,050	51,686	11,431	9,408	6,711	8,279	8,441	8,467
Zaporozh A (1-4)	1,200	5%	11,900	11,900	17,929	25,613	17,075	7,968	1,793	1,771	1,660	1,660	1,660	1,660
Zaporozh B (5-7)	2,400	0%	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	8,160		19,400	19,400	140,162	281,202	189,438	90,684	20,126	17,418	11,058	15,313	15,596	15,690
3. ZAKHID														
Ladyzhin	1,800	0%	900	900	0	0	0	0	0	0	0	0	0	0
Burstin	2,300	10%	1,300	1,300	52,249	116,108	77,406	36,123	8,128	8,027	7,514	7,526	7,526	7,526
Dobrotvor A (4-6)	300	2%	1,400	700	1,601	2,401	1,601	800	164	164	118	139	139	139
Dobrotvor B (7-8)	300	2%	0	700	1,343	1,919	1,279	597	134	133	98	124	124	124
Subtotal	4,700		3,600	3,600	55,193	120,428	80,285	37,520	8,426	8,324	7,730	7,789	7,789	7,789
4. TSENTR														
Uglegorsk A (1-4)	1,200	5%	22,000	537	13,175	29,278	19,518	9,109	2,049	2,016	1,320	1,637	1,760	1,777
Uglegorsk B (5-7)	2,400	100%	0	21,463	648,997	626,424	425,452	224,294	38,574	7,893	0	2,477	2,336	2,553
Tripolye A (1-4)	1,200	10%	3,900	650	0	0	0	0	0	0	0	0	0	0
Tripolye B (5-6)	600	100%	0	3,250	0	0	0	0	0	0	0	0	0	0
Zmiev	2,150	15%	100	100	8,233	5,831	4,486	3,469	521	0	0	0	0	0
Subtotal	7,550		26,000	26,000	670,405	661,533	449,457	236,872	41,144	9,909	1,320	4,114	4,095	4,330
TOTAL FOSSIL	**28,470**		**59,400**	**59,400**	1,036,908	1,422,208	960,297	486,899	97,051	60,022	34,415	49,639	49,986	50,339

(1) Source: "Information on Fuel Supply within Minenergo as of 10/08/95" except Lugansk and Kurakhov from Price Waterhouse, "Preliminary Estimate Fuel Reserves" dated 9-28-95.
(2) Fuel inventories were allocated to A and B units of plants in proportion to fuel usage or installed capacity in MW (where no fuel usage).

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TABLE 28: MONTHLY GAS INVENTORY BY COMPANY (Beginning of Month)

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: GAS (%)	OCT 1995 (mcm)	NOV 1995 (mcm)	DEC 1995 (mcm)	JAN 1996 (mcm)	FEB 1996 (mcm)	MAR 1996 (mcm)	APR 1996 (mcm)	MAY 1996 (mcm)	JUNE 1996 (mcm)	JULY 1996 (mcm)	AUGUST 1996 (mcm)
1. DONBASS													
Zuyev	1,200	25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Starobesh	2,000	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lugansk A (4-6)	300	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lugansk B (8-15)	1,400	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slaviansk A (3,5)	180	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slaviansk B (6-7)	1,520	49%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kurakhov	1,460	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	8,060		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2. DNIPRO													
Pridneprov A (7-10)	600	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pridneprov B (11-14)	1,140	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krivoroj	2,820	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zaporozh A (1-4)	1,200	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zaporozh B (5-7)	2,400	100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	8,160		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3. ZAKHID													
Ladyzhin	1,800	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Burstin	2,300	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dobrotvor A (4-6)	300	56%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dobrotvor B (7-8)	300	56%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	4,700		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4. TSENTR													
Uglegorsk A (1-4)	1,200	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Uglegorsk B (5-7)	2,400	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tripolye A (1-4)	1,200	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tripolye B (5-6)	600	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zmiev	2,150	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	7,550		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL FOSSIL	28,470		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TABLE 29: MONTHLY COAL INVENTORY BUILD-UP / (DRAW-DOWN) **(Beginning Inventory Next Month - Beginning Inventory Current Month)**

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: COAL (%)	OCT 1995 (tonnes)	NOV 1995 (tonnes)	DEC 1995 (tonnes)	JAN 1996 (tonnes)	FEB 1996 (tonnes)	MAR 1996 (tonnes)	APR 1996 (tonnes)	MAY 1996 (tonnes)	JUNE 1996 (tonnes)	JULY 1996 (tonnes)	*AUGUST 1996 (tonnes)*	TOTAL FUEL USE Sep 95 to Aug 96 (tonnes)
1. DONBASS														
Zuyev	1,200	75%	300,147	323,820	(222,660)	(221,144)	(208,292)	(15,220)	(19,130)	14,145	712	142	*142*	(47,337)
Starobesh	2,000	70%	277,397	570,774	(345,924)	(368,985)	(250,218)	(897)	(19,162)	14,678	(0)	0	*0*	(122,337)
Lugansk A (4-6)	300	74%	(58,732)	(3,068)	0	0	75	(75)	0	0	0	0	*0*	(61,800)
Lugansk B (8-16)	1,400	74%	(288,400)	0	0	0	0	0	0	0	0	0	*0*	(288,400)
Slaviansk A (3,5)	180	95%	(37,451)	0	0	0	0	0	0	0	0	0	*0*	(37,451)
Slaviansk B (6-7)	1,520	43%	(311,208)	(5,042)	0	0	0	0	0	0	0	0	*0*	(316,249)
Kurakhov	1,460	75%	308,147	453,409	(302,991)	(270,897)	(293,077)	(22,252)	(45,227)	37,917	669	187	*187*	(133,928)
Subtotal	8,060		189,902	1,339,893	(871,575)	(861,026)	(751,512)	(38,444)	(83,519)	66,740	1,381	329	329	(1,007,501)
2. DNIPRO														
Pridneprov A (7-10)	600	85%	119,653	134,984	(149,982)	(159,981)	(108,487)	(389)	(4,182)	2,238	0	0	*0*	(166,147)
Pridneprov B (11-14)	1,140	85%	217,397	(6,548)	(182,582)	(191,099)	(162,296)	(7,045)	(35,681)	27,906	1,362	766	*766*	(337,053)
Krivoroj	2,820	85%	787,778	1,209,676	(756,746)	(824,104)	(568,396)	(28,569)	(38,083)	22,144	2,286	373	*373*	(193,268)
Zaporozh A (1-4)	1,200	95%	596,379	727,401	(440,849)	(470,239)	(318,881)	(1,143)	(5,715)	0	0	0	*0*	86,954
Zaporozh B (5-7)	2,400	0%	2,467	0	0	0	0	0	0	0	0	0	*0*	2,467
Subtotal	8,160		1,723,674	2,065,513	(1,530,159)	(1,645,423)	(1,158,060)	(37,146)	(83,661)	52,287	3,648	1,140	*1,140*	(607,048)
3. ZAKHID														
Ladyzhin	1,800	90%	165,370	(41,044)	(51,641)	(28,083)	(88,001)	(11,801)	0	0	0	0	*0*	(55,200)
Burstin	2,300	90%	765,029	1,326,635	(804,021)	(857,623)	(581,575)	(2,084)	(10,667)	244	0	0	*0*	(164,063)
Dobrotvor A (4-6)	300	42%	51,154	43,309	(51,971)	(51,971)	(41,330)	0	(2,949)	1,340	(0)	0	*0*	(52,417)
Dobrotvor B (7-8)	300	42%	32,011	31,154	(41,538)	(44,307)	(30,046)	(108)	(2,266)	1,728	(0)	0	*0*	(53,373)
Subtotal	4,700		1,013,564	1,360,054	(949,171)	(981,984)	(740,951)	(13,994)	(15,882)	3,312	0	0	*0*	(325,053)
4. TSENTR														
Uglegorsk A (1-4)	1,200	95%	526,714	651,950	(395,121)	(421,463)	(285,804)	(1,344)	(28,189)	12,852	4,942	711	*711*	65,960
Uglegorsk B (5-7)	2,400	0%	(13,400)	0	0	0	0	0	0	0	0	0	*0*	(13,400)
Tripolye A (1-4)	1,200	90%	(5,933)	0	0	0	0	0	0	0	0	0	*0*	(5,933)
Tripolye B (5-6)	600	0%	(2,967)	0	0	0	0	0	0	0	0	0	*0*	(2,967)
Zmiev	2,150	85%	(120,835)	(25,747)	(14,421)	(10,905)	(31,610)	(5,581)	0	0	0	0	*0*	(209,100)
Subtotal	7,550		383,579	626,203	(409,542)	(432,368)	(317,415)	(6,925)	(28,189)	12,852	4,942	711	*711*	(165,440)
TOTAL FOSSIL	28,470		3,310,718	5,391,663	(3,760,448)	(3,920,802)	(2,967,938)	(96,508)	(211,252)	135,192	9,971	2,180	*2,180*	(2,105,042)

Note: Inventory Build-Up / (Draw-Down) for August set equal to that for July.

TABLE 30: **MONTHLY OIL INVENTORY BUILD-UP / (DRAW-DOWN)** **(Beginning Inventory Next Month - Beginning Inventory Current Month)**

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: OIL (%)	OCT 1995 (tonnes)	NOV 1995 (tonnes)	DEC 1995 (tonnes)	JAN 1996 (tonnes)	FEB 1996 (tonnes)	MAR 1996 (tonnes)	APR 1996 (tonnes)	MAY 1996 (tonnes)	JUNE 1996 (tonnes)	JULY 1996 (tonnes)	*AUGUST 1996 (tonnes)*	TOTAL FUEL USE Sep 95 to Aug 96 (tonnes)
1. DONBASS														
Zuyev	1,200	0%	(100)	0	0	0	0	0	0	0	0	0	*0*	(100)
Starobesh	2,000	30%	107,000	132,488	(80,296)	(85,649)	(58,081)	(208)	(4,448)	3,407	0	0	*0*	14,213
Lugansk A (4-6)	300	26%	(516)	(472)	0	0	12	(12)	0	0	0	0	*0*	(988)
Lugansk B (8-15)	1,400	26%	(4,612)	0	0	0	0	0	0	0	0	0	*0*	(4,612)
Slaviansk A (3,5)	180	5%	201	0	0	0	0	0	0	0	0	0	*0*	201
Slaviansk B (6-7)	1,520	8%	2,132	(434)	0	0	0	0	0	0	0	0	*0*	1,699
Kurakhov	1,460	25%	56,644	56,312	(37,631)	(33,645)	(36,399)	(2,764)	(5,617)	4,709	83	23	*23*	1,739
Subtotal	8,060		160,749	187,895	(117,927)	(119,294)	(94,469)	(2,983)	(10,065)	8,116	83	23	*23*	12,152
2. DNIPRO														
Pridneprov A (7-10)	600	15%	17,249	22,051	(13,364)	(14,255)	(9,667)	(35)	(373)	199	(0)	0	*0*	1,805
Pridneprov B (11-14)	1,140	15%	24,712	25,635	(16,269)	(17,028)	(14,461)	(628)	(3,179)	2,487	121	68	*68*	1,526
Krivoroj	2,820	15%	72,773	85,671	(53,594)	(58,364)	(40,255)	(2,023)	(2,697)	1,568	162	26	*26*	3,294
Zaporozh A (1-4)	1,200	5%	6,029	7,684	(8,538)	(9,107)	(6,176)	(22)	(111)	(0)	0	0	*0*	(10,240)
Zaporozh B (5-7)	2,400	0%	0	0	0	0	0	0	0	0	0	0	*0*	0
Subtotal	8,160		120,762	141,041	(91,764)	(98,754)	(70,558)	(2,708)	(6,360)	4,254	283	95	*95*	(3,615)
3. ZAKHID														
Ladyzhin	1,800	0%	(900)	0	0	0	0	0	0	0	0	0	*0*	(900)
Burstin	2,300	10%	50,949	63,860	(38,703)	(41,283)	(27,995)	(100)	(513)	12	0	0	*0*	6,226
Dobrotvor A (4-6)	300	2%	901	800	(800)	(800)	(636)	(0)	(45)	21	0	0	*0*	(561)
Dobrotvor B (7-8)	300	2%	643	576	(640)	(682)	(463)	(2)	(35)	27	0	0	*0*	(576)
Subtotal	4,700		51,593	65,236	(40,143)	(42,766)	(29,094)	(102)	(594)	59	0	0	*0*	4,189
4. TSENTR														
Uglegorsk A (1-4)	1,200	5%	12,638	16,103	(9,759)	(10,410)	(7,059)	(33)	(696)	317	122	18	*18*	1,258
Uglegorsk B (5-7)	2,400	100%	627,533	(22,572)	(200,972)	(201,158)	(185,720)	(30,681)	(7,893)	2,477	(141)	217	*217*	(18,693)
Tripolye A (1-4)	1,200	10%	(650)	0	0	0	0	0	0	0	0	0	*0*	(650)
Tripolye B (5-6)	600	100%	(3,250)	0	0	0	0	0	0	0	0	0	*0*	(3,250)
Zmiev	2,150	15%	8,133	(2,402)	(1,345)	(1,017)	(2,948)	(521)	0	0	0	0	*0*	(100)
Subtotal	7,550		644,405	(8,871)	(212,076)	(212,585)	(195,728)	(31,235)	(8,589)	2,794	(19)	235	*235*	(21,435)
TOTAL FOSSIL	**28,470**		977,508	385,300	(461,910)	(473,398)	(389,849)	(37,028)	(25,608)	15,224	347	353	*353*	(8,708)

Note: Inventory Build-Up / (Draw-Down) for August set equal to that for July.

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TABLE 31: **MONTHLY GAS INVENTORY BUILD-UP / (DRAW-DOWN)** **(Beginning Inventory Next Month - Beginning Inventory Current Month)**

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: GAS (%)	OCT 1995 (mcm)	NOV 1995 (mcm)	DEC 1995 (mcm)	JAN 1996 (mcm)	FEB 1996 (mcm)	MAR 1996 (mcm)	APR 1996 (mcm)	MAY 1996 (mcm)	JUNE 1996 (mcm)	JULY 1996 (mcm)	*AUGUST 1996 (mcm)*	TOTAL FUEL USE Sep 95 to Aug 96 (tonnes)
1. DONBASS														
Zuyev	1,200	25%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Starobesh	2,000	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Lugansk A (4-6)	300	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Lugansk B (8-15)	1,400	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Slaviansk A (3,5)	180	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Slaviansk B (6-7)	1,520	49%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Kurakhov	1,460	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Subtotal	8,060		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
2. DNIPRO														
Pridneprov A (7-10)	600	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Pridneprov B (11-14)	1,140	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Krivoroj	2,820	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Zaporozh A (1-4)	1,200	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Zaporozh B (5-7)	2,400	100%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Subtotal	8,160		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
3. ZAKHID														
Ladyzhin	1,800	10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Burstin	2,300	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Dobrotvor A (4-6)	300	56%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Dobrotvor B (7-8)	300	56%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Subtotal	4,700		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
4. TSENTR														
Uglegorsk A (1-4)	1,200	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Uglegorsk B (5-7)	2,400	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Tripolye A (1-4)	1,200	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Tripolye B (5-6)	600	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Zmiev	2,150	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
Subtotal	7,550		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0
TOTAL FOSSIL	**28,470**		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

Note: Inventory Build-Up / (Draw-Down) for August set equal to that for July.

TABLE 32: REQUIRED COAL DELIVERIES - BY COMPANY September 1995 - August 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: COAL (%)	SEPT 1995 (tonnes)	OCT 1995 (tonnes)	NOV 1995 (tonnes)	DEC 1995 (tonnes)	JAN 1996 (tonnes)	FEB 1996 (tonnes)	MAR 1996 (tonnes)	APR 1996 (tonnes)	MAY 1996 (tonnes)	JUNE 1996 (tonnes)	JULY 1996 (tonnes)	AUGUST 1996 (tonnes)	TOTAL FUEL USE Sep 95 to Aug 96 (tonnes)
1. DONBASS															
Zuyev	1,200	75%	155,363	542,780	582,985	22,780	31,975	42,554	252,583	174,805	129,826	173,284	181,620	182,250	2,472,805
Starobesh	2,000	70%	270,061	595,134	882,105	11,531	(11,531)	51,120	320,812	288,326	247,554	288,270	297,879	297,879	3,539,139
Lugansk A (4-6)	300	74%	0	(58,732)	(1,023)	0	0	75	257	0	0	0	0	0	(59,422)
Lugansk B (8-16)	1,400	74%	0	(288,400)	0	0	0	0	0	0	0	0	0	0	(288,400)
Slaviansk A (3,5)	180	95%	0	(37,451)	0	0	0	0	0	0	0	0	0	0	(37,451)
Slaviansk B (6-7)	1,520	43%	0	(311,208)	(1,681)	0	0	0	0	0	0	0	0	0	(312,888)
Kurakhov	1,460	75%	200,759	621,071	785,374	24,698	64,092	59,227	351,482	221,086	112,815	235,651	245,966	246,794	3,169,015
Subtotal	8,060		626,183	1,063,195	2,247,761	59,009	84,536	152,976	925,135	684,217	490,195	697,205	725,464	726,923	8,482,799
2. DNIPRO															
Pridneprov A (7-10)	600	85%	124,985	257,414	269,968	4,999	(4,999)	22,164	139,095	129,136	121,479	124,985	129,151	129,151	1,447,529
Pridneprov B (11-14)	1,140	85%	59,556	403,351	189,614	17,864	15,235	32,078	196,499	131,105	42,236	134,827	144,712	148,106	1,515,183
Krivoroj	2,820	85%	440,988	1,493,589	1,943,662	39,146	(21,251)	112,755	686,240	531,227	441,776	503,283	528,192	529,845	7,229,454
Zaporozh A (1-4)	1,200	95%	367,374	1,001,307	1,124,165	14,695	(14,695)	65,148	408,847	386,151	379,620	367,374	379,620	379,620	4,859,225
Zaporozh B (5-7)	2,400	0%	0	2,467	0	0	0	0	0	0	0	0	0	0	2,467
Subtotal	8,160		992,904	3,158,129	3,527,409	76,704	(25,711)	232,144	1,430,680	1,177,619	985,111	1,130,469	1,181,676	1,186,723	15,053,858
3. ZAKHID															
Ladyzhin	1,800	90%	0	212,090	106,002	10,196	37,991	5,148	40,462	0	0	0	0	0	411,888
Burstin	2,300	90%	670,018	1,503,537	2,050,254	26,801	(26,801)	118,816	745,655	704,019	691,515	670,018	692,352	692,352	8,538,536
Dobrotvor A (4-6)	300	42%	45,607	98,282	95,281	1,732	1,732	7,177	47,128	42,659	35,408	38,713	40,004	40,004	493,727
Dobrotvor B (7-8)	300	42%	30,527	70,165	68,538	1,385	(1,385)	6,138	38,523	34,657	29,845	34,615	35,769	35,769	384,546
Subtotal	4,700		746,152	1,884,074	2,320,075	40,114	11,538	137,280	871,768	781,334	756,768	743,346	768,124	768,124	9,828,698
4. TSENTR															
Uglegorsk A (1-4)	1,200	95%	256,228	889,640	1,007,559	13,171	(13,171)	58,390	366,119	321,662	249,526	289,063	316,190	319,340	4,073,718
Uglegorsk B (5-7)	2,400	0%	0	(13,400)	0	0	0	0	0	0	0	0	0	0	(13,400)
Tripolye A (1-4)	1,200	90%	0	(5,933)	0	0	0	0	0	0	0	0	0	0	(5,933)
Tripolye B (5-6)	600	0%	0	(2,967)	0	0	0	0	0	0	0	0	0	0	(2,967)
Zmiev	2,150	85%	0	(102,442)	33,096	7,113	13,945	3,102	19,136	0	0	0	0	0	(26,050)
Subtotal	7,550		256,228	764,898	1,040,656	20,284	774	61,492	385,255	321,662	249,526	289,063	316,190	319,340	4,025,368
TOTAL FOSSIL	28,470		2,621,467	6,870,296	9,135,901	196,111	71,138	583,892	3,612,838	2,964,831	2,481,601	2,860,084	2,991,454	3,001,110	37,390,723

Note: Deliveries includes fuel required for current month's consumption plus inventory build-up (draw-down).

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TABLE 33: REQUIRED OIL DELIVERIES - BY COMPANY September 1995 - August 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: OIL (%)	SEPT 1995 (tonnes)	OCT 1995 (tonnes)	NOV 1995 (tonnes)	DEC 1995 (tonnes)	JAN 1996 (tonnes)	FEB 1996 (tonnes)	MAR 1996 (tonnes)	APR 1996 (tonnes)	MAY 1996 (tonnes)	JUNE 1996 (tonnes)	JULY 1996 (tonnes)	AUGUST 1996 (tonnes)	TOTAL FUEL USE Sep 95 to Aug 96 (tonnes)
1. DONBASS															
Zuyev	1,200	0%	0	(100)	0	0	0	0	0	0	0	0	0	0	(100)
Starobesh	2,000	30%	62,687	180,753	204,755	2,677	(2,677)	11,866	74,467	66,926	57,462	66,913	69,144	69,144	864,117
Lugansk A (4-6)	300	26%	0	(516)	(157)	0	0	12	40	0	0	0	0	0	(622)
Lugansk B (8-15)	1,400	26%	0	(4,612)	0	0	0	0	0	0	0	0	0	0	(4,612)
Slaviansk A (3,5)	180	5%	0	201	0	0	0	0	0	0	0	0	0	0	201
Slaviansk B (6-7)	1,520	8%	0	2,132	(145)	0	0	0	0	0	0	0	0	0	1,988
Kurakhov	1,460	25%	24,934	95,508	97,541	3,067	7,960	7,356	43,653	27,458	14,011	29,267	30,548	30,651	411,956
Subtotal	8,060		87,620	273,367	301,994	5,744	5,284	19,233	118,160	94,385	71,474	96,181	99,692	99,795	1,272,928
2. DNIPRO															
Pridneprov A (7-10)	600	15%	11,137	29,524	34,079	445	(445)	1,975	12,394	11,507	10,824	11,137	11,508	11,508	145,592
Pridneprov B (11-14)	1,140	15%	5,307	41,281	43,114	1,592	1,358	2,858	17,509	11,682	3,763	12,014	12,895	13,197	166,569
Krivoroj	2,820	15%	31,231	122,759	137,653	2,772	(1,505)	7,985	48,600	37,622	31,287	35,643	37,407	37,524	528,980
Zaporozh A (1-4)	1,200	5%	7,115	13,871	15,368	285	(285)	1,262	7,918	7,478	7,352	7,115	7,352	7,352	82,181
Zaporozh B (5-7)	2,400	0%	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal	8,160		54,790	207,435	230,213	5,094	(878)	14,080	86,421	68,289	53,227	65,908	69,162	69,581	923,323
3. ZAKHID															
Ladyzhin	1,800	0%	0	(900)	0	0	0	0	0	0	0	0	0	0	(900)
Burstin	2,300	10%	32,252	86,498	98,692	1,290	(1,290)	5,719	35,893	33,889	33,287	32,252	33,327	33,327	425,138
Dobrotvor A (4-6)	300	2%	702	1,626	1,601	27	27	111	726	657	545	596	616	616	7,849
Dobrotvor B (7-8)	300	2%	470	1,231	1,151	21	(21)	95	593	534	460	533	551	551	6,168
Subtotal	4,700		33,425	88,455	101,444	1,338	(1,285)	5,924	37,212	35,080	34,292	33,382	34,494	34,494	438,256
4. TSENTR															
Uglegorsk A (1-4)	1,200	5%	6,329	21,602	24,886	325	(325)	1,442	9,043	7,945	6,163	7,140	7,810	7,887	100,247
Uglegorsk B (5-7)	2,400	100%	1,477	774,609	193,760	14,796	18,659	23,621	140,147	25,933	2,477	10,474	10,561	11,524	1,228,037
Tripolye A (1-4)	1,200	10%	0	(650)	0	0	0	0	0	0	0	0	0	0	(650)
Tripolye B (5-6)	600	100%	0	(3,250)	0	0	0	0	0	0	0	0	0	0	(3,250)
Zmiev	2,150	15%	0	9,849	3,087	663	1,301	289	1,785	0	0	0	0	0	16,974
Subtotal	7,550		7,806	802,160	221,733	15,785	19,635	25,353	150,974	33,878	8,640	17,613	18,370	19,411	1,341,357
TOTAL FOSSIL	28,470		183,641	1,371,416	855,384	27,961	22,756	64,591	392,768	231,631	167,632	213,084	221,718	223,282	3,975,864

Note: Deliveries includes fuel required for current month's consumption plus inventory build-up (draw-down).

TABLE 34: REQUIRED GAS DELIVERIES - BY COMPANY September 1995 - August 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: GAS (%)	SEPT 1995 (mcm)	OCT 1995 (mcm)	NOV 1995 (mcm)	DEC 1995 (mcm)	JAN 1996 (mcm)	FEB 1996 (mcm)	MAR 1996 (mcm)	APR 1996 (mcm)	MAY 1996 (mcm)	JUNE 1996 (mcm)	JULY 1996 (mcm)	AUGUST 1996 (mcm)	TOTAL FUEL USE Sep 95 to Aug 96 (mcm)
1. DONBASS															
Zuyev	1,200	25%	29.1	45.4	48.5	45.9	47.4	47.0	50.1	36.3	21.7	32.3	34.0	34.1	471.8
Starobesh	2,000	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lugansk A (4-6)	300	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lugansk B (8-15)	1,400	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slaviansk A (3,5)	180	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slaviansk B (6-7)	1,520	49%	0.0	0.0	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2
Kurakhov	1,460	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	8,060		29.1	45.4	50.7	45.9	47.4	47.0	50.1	36.3	21.7	32.3	34.0	34.1	474.0
2. DNIPRO															
Pridneprov A (7-10)	600	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pridneprov B (11-14)	1,140	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Krivoroj	2,820	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zaporozh A (1-4)	1,200	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zaporozh B (5-7)	2,400	100%	20.0	190.8	262.7	255.8	254.5	249.9	227.5	74.9	0.0	54.9	59.0	62.1	1,712.3
Subtotal	8,160		20.0	190.8	262.7	255.8	254.5	249.9	227.5	74.9	0.0	54.9	59.0	62.1	1,712.3
3. ZAKHID															
Ladyzhin	1,800	10%	0.0	2.4	7.7	3.2	3.5	4.9	2.7	0.0	0.0	0.0	0.0	0.0	24.4
Burstin	2,300	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dobrotvor A (4-6)	300	56%	28.6	29.6	32.6	33.7	33.7	30.5	29.6	28.6	21.4	24.3	25.1	25.1	342.9
Dobrotvor B (7-8)	300	56%	19.2	24.0	23.5	26.9	26.9	22.7	24.3	23.2	17.7	21.7	22.5	22.5	274.9
Subtotal	4,700		47.8	56.0	63.8	63.9	64.1	58.0	56.6	51.8	39.0	46.0	47.6	47.6	642.2
4. TSENTR															
Uglegorsk A (1-4)	1,200	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Uglegorsk B (5-7)	2,400	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tripolye A (1-4)	1,200	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tripolye B (5-6)	600	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zmiev	2,150	0%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Subtotal	7,550		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TOTAL FOSSIL	28,470		96.9	292.2	377.2	365.7	366.0	354.9	334.2	163.0	60.7	133.3	140.6	143.8	2,828.5

Note: Deliveries includes fuel required for current month's consumption plus inventory build-up (draw-down).

TABLE 35: REQUIRED COAL ORDERS - BY COMPANY September 1995 - August 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: COAL (%)	LAG FROM ORDER TO DELIVERY (months)	SEPT 1995 (tonnes)	OCT 1995 (tonnes)	NOV 1995 (tonnes)	DEC 1995 (tonnes)	JAN 1996 (tonnes)	FEB 1996 (tonnes)	MAR 1996 (tonnes)	APR 1996 (tonnes)	MAY 1996 (tonnes)	JUNE 1996 (tonnes)	JULY 1996 (tonnes)	*AUGUST 1996 (tonnes)*	TOTAL FUEL USE Sep 95 to Aug 96 (tonnes)
1. DONBASS																
Zuyev	1,200	75%	1	542,780	582,985	22,780	31,975	42,554	252,583	174,805	129,826	173,284	181,620	182,250	*182,250*	2,499,692
Starobesh	2,000	70%	1	595,134	882,105	11,531	(11,531)	51,120	320,812	288,326	247,554	288,270	297,879	297,879	*297,879*	3,566,957
Lugansk A (4-6)	300	74%	1	(58,732)	(1,023)	0	0	75	257	0	0	0	0	0	*0*	(59,422)
Lugansk B (8-15)	1,400	74%	1	(288,400)	0	0	0	0	0	0	0	0	0	0	*0*	(288,400)
Slaviansk A (3,5)	180	95%	1	(37,451)	0	0	0	0	0	0	0	0	0	0	*0*	(37,451)
Slaviansk B (6-7)	1,520	43%	1	(311,208)	(1,681)	0	0	0	0	0	0	0	0	0	*0*	(312,888)
Kurakhov	1,460	75%	1	621,071	785,374	24,698	64,092	59,227	351,482	221,086	112,815	235,651	245,966	246,794	*246,794*	3,215,051
Subtotal	8,060			1,063,195	2,247,761	59,009	84,536	152,976	925,135	684,217	490,195	697,205	725,464	726,923	*726,923*	8,583,539
2. DNIPRO																
Pridneprov A (7-10)	600	85%	1	257,414	269,968	4,999	(4,999)	22,164	139,095	129,136	121,479	124,985	129,151	129,151	*129,151*	1,451,696
Pridneprov B (11-14)	1,140	85%	1	403,351	189,614	17,864	15,235	32,078	196,499	131,105	42,236	134,827	144,712	148,106	*148,106*	1,603,733
Krivoroj	2,820	85%	1	1,493,589	1,943,662	39,146	(21,251)	112,755	686,240	531,227	441,776	503,283	528,192	529,845	*529,845*	7,318,311
Zaporozh A (1-4)	1,200	95%	1	1,001,307	1,124,165	14,695	(14,695)	65,148	408,847	386,151	379,620	367,374	379,620	379,620	*379,620*	4,871,471
Zaporozh B (5-7)	2,400	0%	1	2,467	0	0	0	0	0	0	0	0	0	0	*0*	2,467
Subtotal	8,160			3,158,129	3,527,409	76,704	(25,711)	232,144	1,430,680	1,177,619	985,111	1,130,469	1,181,676	1,186,723	*1,186,723*	15,247,677
3. ZAKHID																
Ladyzhin	1,800	90%	1	212,090	106,002	10,196	37,991	5,148	40,462	0	0	0	0	0	*0*	411,888
Burstin	2,300	90%	1	1,503,537	2,050,254	26,801	(26,801)	118,816	745,655	704,019	691,515	670,018	692,352	692,352	*692,352*	8,560,870
Dobrotvor A (4-6)	300	42%	1	98,282	95,281	1,732	1,732	7,177	47,128	42,659	35,408	38,713	40,004	40,004	*40,004*	488,123
Dobrotvor B (7-8)	300	42%	1	70,165	68,538	1,385	(1,385)	6,138	38,523	34,657	29,845	34,615	35,769	35,769	*35,769*	389,788
Subtotal	4,700			1,884,074	2,320,075	40,114	11,538	137,280	871,768	781,334	756,768	743,346	768,124	768,124	*768,124*	9,850,671
4. TSENTR																
Uglegorsk A (1-4)	1,200	95%	1	889,640	1,007,559	13,171	(13,171)	58,390	366,119	321,662	249,526	289,063	316,190	319,340	*319,340*	4,136,830
Uglegorsk B (5-7)	2,400	0%	1	(13,400)	0	0	0	0	0	0	0	0	0	0	*0*	(13,400)
Tripolye A (1-4)	1,200	90%	1	(5,933)	0	0	0	0	0	0	0	0	0	0	*0*	(5,933)
Tripolye B (5-6)	600	0%	1	(2,967)	0	0	0	0	0	0	0	0	0	0	*0*	(2,967)
Zmiev	2,150	85%	1	(102,442)	33,096	7,113	13,945	3,102	19,136	0	0	0	0	0	*0*	(26,050)
Subtotal	7,550			764,898	1,040,656	20,284	774	61,492	385,255	321,662	249,526	289,063	316,190	319,340	*319,340*	4,088,480
TOTAL FOSSIL	28,470			6,870,296	9,135,901	196,111	71,138	583,892	3,612,838	2,964,831	2,481,601	2,860,084	2,991,454	3,001,110	*3,001,110*	37,770,366

Note: August orders set equal to July orders.

TABLE 36: REQUIRED OIL ORDERS - BY COMPANY September 1995 - August 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: OIL (%)	LAG FROM ORDER TO DELIVERY (months)	SEPT 1995 (tonnes)	OCT 1995 (tonnes)	NOV 1995 (tonnes)	DEC 1995 (tonnes)	JAN 1996 (tonnes)	FEB 1996 (tonnes)	MAR 1996 (tonnes)	APR 1996 (tonnes)	MAY 1996 (tonnes)	JUNE 1996 (tonnes)	JULY 1996 (tonnes)	*AUGUST 1996 (tonnes)*	TOTAL FUEL USE Sep 95 to Aug 96 (tonnes)
1. DONBASS																
Zuyev	1,200	0%	1	(100)	0	0	0	0	0	0	0	0	0	0	*0*	(100)
Starobesh	2,000	30%	1	180,753	204,755	2,677	(2,677)	11,866	74,467	66,926	57,462	66,913	69,144	69,144	*69,144*	870,574
Lugansk A (4-6)	300	26%	1	(516)	(157)	0	0	12	40	0	0	0	0	0	*0*	(622)
Lugansk B (8-15)	1,400	26%	1	(4,612)	0	0	0	0	0	0	0	0	0	0	*0*	(4,612)
Slaviansk A (3,5)	180	5%	1	201	0	0	0	0	0	0	0	0	0	0	*0*	201
Slaviansk B (6-7)	1,520	8%	1	2,132	(145)	0	0	0	0	0	0	0	0	0	*0*	1,988
Kurakhov	1,460	25%	1	95,508	97,541	3,067	7,960	7,356	43,653	27,458	14,011	29,267	30,548	30,651	*30,651*	417,674
Subtotal	8,060			273,367	301,994	5,744	5,284	19,233	118,160	94,385	71,474	96,181	99,692	99,795	*99,795*	1,285,103
2. DNIPRO																
Pridneprov A (7-10)	600	15%	1	29,524	34,079	445	(445)	1,975	12,394	11,507	10,824	11,137	11,508	11,508	*11,508*	145,963
Pridneprov B (11-14)	1,140	15%	1	41,281	43,114	1,592	1,358	2,858	17,509	11,682	3,763	12,014	12,895	13,197	*13,197*	174,460
Krivoroj	2,820	15%	1	122,759	137,653	2,772	(1,505)	7,985	48,600	37,622	31,287	35,643	37,407	37,524	*37,524*	535,273
Zaporozh A (1-4)	1,200	5%	1	13,871	15,368	285	(285)	1,262	7,918	7,478	7,352	7,115	7,352	7,352	*7,352*	82,418
Zaporozh B (5-7)	2,400	0%	1	0	0	0	0	0	0	0	0	0	0	0	*0*	0
Subtotal	8,160			207,435	230,213	5,094	(878)	14,080	86,421	68,289	53,227	65,908	69,162	69,581	*69,581*	938,114
3. ZAKHID																
Ladyzhin	1,800	0%	1	(900)	0	0	0	0	0	0	0	0	0	0	*0*	(900)
Burstin	2,300	10%	1	86,498	98,692	1,290	(1,290)	5,719	35,893	33,889	33,287	32,252	33,327	33,327	*33,327*	426,213
Dobrotvor A (4-6)	300	2%	1	1,626	1,601	27	27	111	726	657	545	596	616	616	*616*	7,763
Dobrotvor B (7-8)	300	2%	1	1,231	1,151	21	(21)	95	593	534	460	533	551	551	*551*	6,249
Subtotal	4,700			88,455	101,444	1,338	(1,285)	5,924	37,212	35,080	34,292	33,382	34,494	34,494	*34,494*	439,325
4. TSENTR																
Uglegorsk A (1-4)	1,200	5%	1	21,602	24,886	325	(325)	1,442	9,043	7,945	6,163	7,140	7,810	7,887	*7,887*	101,805
Uglegorsk B (5-7)	2,400	100%	1	774,609	193,760	14,796	18,659	23,621	140,147	25,933	2,477	10,474	10,561	11,524	*11,524*	1,238,083
Tripolye A (1-4)	1,200	10%	1	(650)	0	0	0	0	0	0	0	0	0	0	*0*	(650)
Tripolye B (5-6)	600	100%	1	(3,250)	0	0	0	0	0	0	0	0	0	0	*0*	(3,250)
Zmiev	2,150	15%	1	9,849	3,087	663	1,301	289	1,785	0	0	0	0	0	*0*	16,974
Subtotal	7,550			802,160	221,733	15,785	19,635	25,353	150,974	33,878	8,640	17,613	18,370	19,411	*19,411*	1,352,963
TOTAL FOSSIL	28,470			1,371,416	855,384	27,961	22,756	64,591	392,768	231,631	167,632	213,084	221,718	223,282	*223,282*	4,015,505

Note: August orders set equal to July orders.

TABLE 37: REQUIRED GAS ORDERS - BY COMPANY September 1995 - August 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: GAS (%)	LAG FROM ORDER TO DELIVERY (months)	SEPT 1995 (mcm)	OCT 1995 (mcm)	NOV 1995 (mcm)	DEC 1995 (mcm)	JAN 1996 (mcm)	FEB 1996 (mcm)	MAR 1996 (mcm)	APR 1996 (mcm)	MAY 1996 (mcm)	JUNE 1996 (mcm)	*JULY 1996 (mcm)*	*AUGUST 1996 (mcm)*	TOTAL FUEL USE Sep 95 to Aug 96 (mcm)
1. DONBASS																
Zuyev	1,200	25%	2	48.5	45.9	47.4	47.0	50.1	36.3	21.7	32.3	34.0	34.1	*34.1*	*34.1*	465.5
Starobesh	2,000	0%	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	*0.0*	0.0
Lugansk A (4-6)	300	0%	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	*0.0*	0.0
Lugansk B (8-15)	1,400	0%	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	*0.0*	0.0
Slaviansk A (3,5)	180	0%	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	*0.0*	0.0
Slaviansk B (6-7)	1,520	49%	2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	*0.0*	2.2
Kurakhov	1,460	0%	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	*0.0*	0.0
Subtotal	8,060			50.7	45.9	47.4	47.0	50.1	36.3	21.7	32.3	34.0	34.1	*34.1*	*34.1*	467.6
2. DNIPRO																
Pridneprov A (7-10)	600	0%	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	*0.0*	0.0
Pridneprov B (11-14)	1,140	0%	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	*0.0*	0.0
Krivoroj	2,820	0%	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	*0.0*	0.0
Zaporozh A (1-4)	1,200	0%	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	*0.0*	0.0
Zaporozh B (5-7)	2,400	100%	2	262.7	255.8	254.5	249.9	227.5	74.9	0.0	54.9	59.0	62.1	*62.1*	*62.1*	1,625.8
Subtotal	8,160			262.7	255.8	254.5	249.9	227.5	74.9	0.0	54.9	59.0	62.1	*62.1*	*62.1*	1,625.8
3. ZAKHID																
Ladyzhin	1,800	10%	2	7.7	3.2	3.5	4.9	2.7	0.0	0.0	0.0	0.0	0.0	*0.0*	*0.0*	22.0
Burstin	2,300	0%	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	*0.0*	0.0
Dobrotvor A (4-6)	300	56%	2	32.6	33.7	33.7	30.5	29.6	28.6	21.4	24.3	25.1	25.1	*25.1*	*25.1*	334.9
Dobrotvor B (7-8)	300	56%	2	23.5	26.9	26.9	22.7	24.3	23.2	17.7	21.7	22.5	22.5	*22.5*	*22.5*	276.7
Subtotal	4,700			63.8	63.9	64.1	58.0	56.6	51.8	39.0	46.0	47.6	47.6	*47.6*	*47.6*	633.6
4. TSENTR																
Uglegorsk A (1-4)	1,200	0%	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	*0.0*	0 0
Uglegorsk B (5-7)	2,400	0%	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	*0.0*	0.0
Tripolye A (1-4)	1,200	0%	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	*0.0*	0.0
Tripolye B (5-6)	600	0%	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	*0.0*	0.0
Zmiev	2,150	0%	2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	*0.0*	0.0
Subtotal	7,550			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	*0.0*	0.0
TOTAL FOSSIL	28,470			377.2	365.7	366.0	354.9	334.2	163.0	60.7	133.3	140.6	143.8	*143.8*	*143.8*	2,727.0

Note: July and August orders set equal to June orders.

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TABLE 38: MONTHLY COAL EXPENDITURES - BY COMPANY September 1995 - August 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: COAL (%)	COAL PRICE ($ / tonne)	SEPT 1995 ($ million)	OCT 1995 ($ million)	NOV 1995 ($ million)	DEC 1995 ($ million)	JAN 1996 ($ million)	FEB 1996 ($ million)	MAR 1996 ($ million)	APR 1996 ($ million)	MAY 1996 ($ million)	JUNE 1996 ($ million)	JULY 1996 ($ million)	AUGUST 1996 ($ million)	TOTAL FUEL EXP. Sep 95 to Aug 96 ($ million)
1. DONBASS																
Zuyev	1,200	75%	$34.00	$18.45	$19.82	$0.77	$1.09	$1.45	$8.59	$5.94	$4.41	$5.89	$6.18	$6.20	$6.20	$84.99
Starobesh	2,000	70%	$34.00	$20.23	$29.99	$0.39	($0.39)	$1.74	$10.91	$9.80	$8.42	$9.80	$10.13	$10.13	$10.13	$121.28
Lugansk A (4-6)	300	74%	$34.00	($2.00)	($0.03)	$0.00	$0.00	$0.00	$0.01	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($2.02)
Lugansk B (8-15)	1,400	74%	$34.00	($9.81)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($9.81)
Slaviansk A (3,5)	180	95%	$34.00	($1.27)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($1.27)
Slaviansk B (6-7)	1,520	43%	$34.00	($10.58)	($0.06)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($10.64)
Kurakhov	1,460	75%	$34.00	$21.12	$26.70	$0.84	$2.18	$2.01	$11.95	$7.52	$3.84	$8.01	$8.36	$8.39	$8.39	$109.31
Subtotal	8,060			$36.15	$76.42	$2.01	$2.87	$5.20	$31.45	$23.26	$16.67	$23.70	$24.67	$24.72	$24.72	$291.84
2. DNIPRO																
Pridneprov A (7-10)	600	85%	$34.00	$8.75	$9.18	$0.17	($0.17)	$0.75	$4.73	$4.39	$4.13	$4.25	$4.39	$4.39	$4.39	$49.36
Pridneprov B (11-14)	1,140	85%	$34.00	$13.71	$6.45	$0.61	$0.52	$1.09	$6.68	$4.46	$1.44	$4.58	$4.92	$5.04	$5.04	$54.53
Krivoroj	2,820	85%	$34.00	$50.78	$66.08	$1.33	($0.72)	$3.83	$23.33	$18.06	$15.02	$17.11	$17.96	$18.01	$18.01	$248.82
Zaporozh A (1-4)	1,200	95%	$34.00	$34.04	$38.22	$0.50	($0.50)	$2.22	$13.90	$13.13	$12.91	$12.49	$12.91	$12.91	$12.91	$165.63
Zaporozh B (5-7)	2,400	0%	$34.00	$0.08	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.08
Subtotal	8,160			$107.38	$119.93	$2.61	($0.87)	$7.89	$48.64	$40.04	$33.49	$38.44	$40.18	$40.35	$40.35	$518.42
3. ZAKHID																
Ladyzhin	1,800	90%	$34.00	$7.21	$3.60	$0.35	$1.29	$0.18	$1.38	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$14.00
Burstin	2,300	90%	$34.00	$51.12	$69.71	$0.91	($0.91)	$4.04	$25.35	$23.94	$23.51	$22.78	$23.54	$23.54	$23.54	$291.07
Dobrotvor A (4-6)	300	42%	$34.00	$3.34	$3.24	$0.06	$0.06	$0.24	$1.60	$1.45	$1.20	$1.32	$1.36	$1.36	$1.36	$16.60
Dobrotvor B (7-8)	300	42%	$34.00	$2.39	$2.33	$0.05	($0.05)	$0.21	$1.31	$1.18	$1.01	$1.18	$1.22	$1.22	$1.22	$13.25
Subtotal	4,700			$64.06	$78.88	$1.36	$0.39	$4.67	$29.64	$26.57	$25.73	$25.27	$26.12	$26.12	$26.12	$334.92
4. TSENTR																
Uglegorsk A (1-4)	1,200	95%	$34.00	$30.25	$34.26	$0.45	($0.45)	$1.99	$12.45	$10.94	$8.48	$9.83	$10.75	$10.86	$10.86	$140.65
Uglegorsk B (5-7)	2,400	0%	$34.00	($0.46)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($0.46)
Tripolye A (1-4)	1,200	90%	$34.00	($0.20)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($0.20)
Tripolye B (5-6)	600	0%	$34.00	($0.10)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($0.10)
Zmiev	2,150	85%	$34.00	($3.48)	$1.13	$0.24	$0.47	$0.11	$0.65	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($0.89)
Subtotal	7,550			$26.01	$35.38	$0.69	$0.03	$2.09	$13.10	$10.94	$8.48	$9.83	$10.75	$10.86	$10.86	$139.01
TOTAL FOSSIL	28,470			$233.59	$310.62	$6.67	$2.42	$19.85	$122.84	$100.80	$84.37	$97.24	$101.71	$102.04	$102.04	$1,284.19

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TABLE 39: MONTHLY OIL EXPENDITURES - BY COMPANY September 1995 - August 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: OIL (%)	OIL PRICE ($ / tonne)	SEPT 1995 ($ million)	OCT 1995 ($ million)	NOV 1995 ($ million)	DEC 1995 ($ million)	JAN 1996 ($ million)	FEB 1996 ($ million)	MAR 1996 ($ million)	APR 1996 ($ million)	MAY 1996 ($ million)	JUNE 1996 ($ million)	JULY 1996 ($ million)	AUGUST 1996 ($ million)	TOTAL FUEL EXP. Sep 95 to Aug 96 ($ million)
1. DONBASS																
Zuyev	1,200	0%	$90.00	($0.01)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($0.01)
Starobesh	2,000	30%	$90.00	$16.27	$18.43	$0.24	($0.24)	$1.07	$6.70	$6.02	$5.17	$6.02	$6.22	$6.22	$6.22	$78.35
Lugansk A (4-6)	300	26%	$90.00	($0.05)	($0.01)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($0.06)
Lugansk B (8-15)	1,400	26%	$90.00	($0.42)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($0.42)
Slavlansk A (3,5)	180	5%	$90.00	$0.02	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.02
Slavlansk B (6-7)	1,520	8%	$90.00	$0.19	($0.01)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.18
Kurakhov	1,460	25%	$90.00	$8.60	$8.78	$0.28	$0.72	$0.66	$3.93	$2.47	$1.26	$2.63	$2.75	$2.76	$2.76	$37.59
Subtotal	8,060			$24.60	$27.18	$0.52	$0.48	$1.73	$10.63	$8.49	$6.43	$8.66	$8.97	$8.98	$8.98	$115.66
2. DNIPRO																
Pridneprov A (7-10)	600	15%	$90.00	$2.66	$3.07	$0.04	($0.04)	$0.18	$1.12	$1.04	$0.97	$1.00	$1.04	$1.04	$1.04	$13.14
Pridneprov B (11-14)	1,140	15%	$90.00	$3.72	$3.88	$0.14	$0.12	$0.26	$1.58	$1.05	$0.34	$1.08	$1.16	$1.19	$1.19	$15.70
Krivoroj	2,820	15%	$90.00	$11.05	$12.39	$0.25	($0.14)	$0.72	$4.37	$3.39	$2.82	$3.21	$3.37	$3.38	$3.38	$48.17
Zaporozh A (1-4)	1,200	5%	$90.00	$1.25	$1.38	$0.03	($0.03)	$0.11	$0.71	$0.67	$0.66	$0.64	$0.66	$0.66	$0.66	$7.42
Zaporozh B (5-7)	2,400	0%	$90.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Subtotal	8,160			$18.67	$20.72	$0.46	($0.08)	$1.27	$7.78	$6.15	$4.79	$5.93	$6.22	$6.26	$6.26	$84.43
3. ZAKHID																
Ladyzhin	1,800	0%	$90.00	($0.08)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($0.08)
Burstin	2,300	10%	$90.00	$7.78	$8.88	$0.12	($0.12)	$0.51	$3.23	$3.05	$3.00	$2.90	$3.00	$3.00	$3.00	$38.36
Dobrotvor A (4-6)	300	2%	$90.00	$0.15	$0.14	$0.00	$0.00	$0.01	$0.07	$0.06	$0.05	$0.05	$0.06	$0.06	$0.06	$0.70
Dobrotvor B (7-8)	300	2%	$90.00	$0.11	$0.10	$0.00	($0.00)	$0.01	$0.05	$0.05	$0.04	$0.05	$0.05	$0.05	$0.05	$0.56
Subtotal	4,700			$7.96	$9.13	$0.12	($0.12)	$0.53	$3.35	$3.16	$3.09	$3.00	$3.10	$3.10	$3.10	$39.54
4. TSENTR																
Uglegorsk A (1-4)	1,200	5%	$90.00	$1.94	$2.24	$0.03	($0.03)	$0.13	$0.81	$0.72	$0.55	$0.64	$0.70	$0.71	$0.71	$9.16
Uglegorsk B (5-7)	2,400	100%	$90.00	$69.71	$17.44	$1.33	$1.68	$2.13	$12.61	$2.33	$0.22	$0.94	$0.95	$1.04	$1.04	$111.43
Tripolye A (1-4)	1,200	10%	$90.00	($0.06)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($0.06)
Tripolye B (5-6)	600	100%	$90.00	($0.29)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($0.29)
Zmiev	2,150	15%	$90.00	$0.89	$0.28	$0.06	$0.12	$0.03	$0.16	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1.53
Subtotal	7,550			$72.19	$19.96	$1.42	$1.77	$2.28	$13.59	$3.05	$0.78	$1.59	$1.65	$1.75	$1.75	$121.77
TOTAL FOSSIL	28,470			$123.43	$76.98	$2.52	$2.05	$5.81	$35.35	$20.85	$15.09	$19.18	$19.95	$20.10	$20.10	$361.40

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TABLE 40: MONTHLY GAS EXPENDITURES - BY COMPANY September 1995 - August 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: GAS (%)	GAS PRICE ($ / kcm)	SEPT 1995 ($ million)	OCT 1995 ($ million)	NOV 1995 ($ million)	DEC 1995 ($ million)	JAN 1996 ($ million)	FEB 1996 ($ million)	MAR 1996 ($ million)	APR 1996 ($ million)	MAY 1996 ($ million)	JUNE 1996 ($ million)	JULY 1996 ($ million)	AUGUST 1996 ($ million)	TOTAL FUEL EXP. Sep 95 to Aug 96 ($ million)
1. DONBASS																
Zuyev	1,200	25%	$80.80	$3.92	$3.71	$3.83	$3.79	$4.05	$2.93	$1.75	$2.61	$2.75	$2.75	$2.75	$2.75	$37.61
Starobesh	2,000	0%	$80.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lugansk A (4-6)	300	0%	$80.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Lugansk B (8-15)	1,400	0%	$80.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Slaviansk A (3,5)	180	0%	$80.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Slaviansk B (6-7)	1,520	49%	$80.80	$0.18	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.18
Kurakhov	1,460	0%	$80.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Subtotal	8,060			$4.10	$3.71	$3.83	$3.79	$4.05	$2.93	$1.75	$2.61	$2.75	$2.75	$2.75	$2.75	$37.79
2. DNIPRO																
Pridneprov A (7-10)	600	0%	$80.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Pridneprov B (11-14)	1,140	0%	$80.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Krivoroj	2,820	0%	$80.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Zaporozh A (1-4)	1,200	0%	$80.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Zaporozh B (5-7)	2,400	100%	$80.80	$21.23	$20.67	$20.56	$20.19	$18.39	$6.05	$0.00	$4.44	$4.77	$5.02	$5.02	$5.02	$131.36
Subtotal	8,160			$21.23	$20.67	$20.56	$20.19	$18.39	$6.05	$0.00	$4.44	$4.77	$5.02	$5.02	$5.02	$131.36
3. ZAKHID																
Ladyzhin	1,800	10%	$80.80	$0.62	$0.26	$0.28	$0.39	$0.22	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1.78
Burstin	2,300	0%	$80.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Dobrotvor A (4-6)	300	56%	$80.80	$2.64	$2.72	$2.72	$2.46	$2.39	$2.31	$1.73	$1.96	$2.03	$2.03	$2.03	$2.03	$27.06
Dobrotvor B (7-8)	300	56%	$80.80	$1.90	$2.18	$2.18	$1.84	$1.96	$1.87	$1.43	$1.76	$1.81	$1.81	$1.81	$1.81	$22.36
Subtotal	4,700			$5.15	$5.16	$5.18	$4.69	$4.57	$4.19	$3.15	$3.72	$3.84	$3.84	$3.84	$3.84	$51.19
4. TSENTR																
Uglegorsk A (1-4)	1,200	0%	$80.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Uglegorsk B (5-7)	2,400	0%	$80.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Tripolye A (1-4)	1,200	0%	$80.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Tripolye B (5-6)	600	0%	$80.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Zmiev	2,150	0%	$80.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Subtotal	7,550			$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
TOTAL FOSSIL	28,470			$30.48	$29.55	$29.57	$28.68	$27.01	$13.17	$4.90	$10.77	$11.36	$11.62	$11.62	$11.62	$220.34

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TABLE 41: MONTHLY TOTAL FUEL EXPENDITURES - BY COMPANY September 1995 - August 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	SEPT 1995 ($ million)	OCT 1995 ($ million)	NOV 1995 ($ million)	DEC 1995 ($ million)	JAN 1996 ($ million)	FEB 1996 ($ million)	MAR 1996 ($ million)	APR 1996 ($ million)	MAY 1996 ($ million)	JUNE 1996 ($ million)	JULY 1996 ($ million)	AUGUST 1996 ($ million)	TOTAL FUEL EXP. Sep 95 to Aug 96 ($ million)
1. DONBASS														
Zuyev	1,200	$22.37	$23.53	$4.60	$4.88	$5.50	$11.52	$7.69	$7.02	$8.64	$8.93	$8.95	$8.95	$122.59
Starobesh	2,000	$36.50	$48.42	$0.63	($0.63)	$2.81	$17.61	$15.83	$13.59	$15.82	$16.35	$16.35	$16.35	$199.63
Lugansk A (4-6)	300	($2.04)	($0.05)	$0.00	$0.00	$0.00	$0.01	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($2.08)
Lugansk B (8-15)	1,400	($10.22)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($10.22)
Slaviansk A (3,5)	180	($1.26)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($1.26)
Slaviansk B (6-7)	1,520	($10.21)	($0.07)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($10.28)
Kurakhov	1,460	$29.71	$35.48	$1.12	$2.90	$2.68	$15.88	$9.99	$5.10	$10.65	$11.11	$11.15	$11.15	$146.90
Subtotal	8,060	$64.85	$107.32	$6.35	$7.14	$10.98	$45.02	$33.51	$25.71	$35.11	$36.39	$36.45	$36.45	$445.28
2. DNIPRO														
Pridneprov A (7-10)	600	$11.41	$12.25	$0.21	($0.21)	$0.93	$5.84	$5.43	$5.10	$5.25	$5.43	$5.43	$5.43	$62.49
Pridneprov B (11-14)	1,140	$17.43	$10.33	$0.75	$0.64	$1.35	$8.26	$5.51	$1.77	$5.67	$6.08	$6.22	$6.22	$70.23
Krivoroj	2,820	$61.83	$78.47	$1.58	($0.86)	$4.55	$27.71	$21.45	$17.84	$20.32	$21.33	$21.39	$21.39	$297.00
Zaporozh A (1-4)	1,200	$35.29	$39.60	$0.53	($0.53)	$2.33	$14.61	$13.80	$13.57	$13.13	$13.57	$13.57	$13.57	$173.05
Zaporozh B (5-7)	2,400	$21.31	$20.67	$20.56	$20.19	$18.39	$6.05	$0.00	$4.44	$4.77	$5.02	$5.02	$5.02	$131.45
Subtotal	8,160	$147.27	$161.32	$23.63	$19.24	$27.55	$62.48	$46.19	$42.72	$49.14	$51.42	$51.63	$51.63	$734.21
3. ZAKHID														
Ladyzhin	1,800	$7.75	$3.87	$0.63	$1.69	$0.40	$1.38	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$15.70
Burstin	2,300	$58.91	$78.59	$1.03	($1.03)	$4.55	$28.58	$26.99	$26.51	$25.68	$26.54	$26.54	$26.54	$329.43
Dobrotvor A (4-6)	300	$6.12	$6.11	$2.79	$2.52	$2.64	$3.98	$3.24	$3.22	$3.40	$3.44	$3.44	$3.44	$44.35
Dobrotvor B (7-8)	300	$4.39	$4.61	$2.23	$1.79	$2.18	$3.24	$2.65	$2.81	$3.04	$3.08	$3.08	$3.08	$36.17
Subtotal	4,700	$77.17	$93.18	$6.67	$4.97	$9.77	$37.18	$32.88	$32.54	$32.12	$33.06	$33.06	$33.06	$425.66
4. TSENTR														
Uglegorsk A (1-4)	1,200	$32.19	$36.50	$0.48	($0.48)	$2.12	$13.26	$11.65	$9.04	$10.47	$11.45	$11.57	$11.57	$149.81
Uglegorsk B (5-7)	2,400	$69.26	$17.44	$1.33	$1.68	$2.13	$12.61	$2.33	$0.22	$0.94	$0.95	$1.04	$1.04	$110.97
Tripolye A (1-4)	1,200	($0.26)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($0.26)
Tripolye B (5-6)	600	($0.39)	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	($0.39)
Zmiev	2,150	($2.60)	$1.40	$0.30	$0.59	$0.13	$0.81	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.64
Subtotal	7,550	$98.20	$55.34	$2.11	$1.79	$4.37	$26.69	$13.99	$9.26	$11.41	$12.40	$12.60	$12.60	$260.77
TOTAL FOSSIL	28,470	$387.50	$417.15	$38.76	$33.14	$52.67	$171.36	$126.56	$110.23	$127.78	$133.28	$133.75	$133.75	$1,865.93

TABLE 42: MONTHLY GENERATION COSTS AND WEIGHTED AVERAGE BID - BY COMPANY

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	WEIGHTED AVERAGE SHADOW BIDS ($/MWh) (1)	SEPT 1995 ($ Million)	OCT 1995 ($ Million)	NOV 1995 ($ Million)	DEC 1995 ($ Million)	JAN 1996 ($ Million)	FEB 1996 ($ Million)	MAR 1996 ($ Million)	APR 1996 ($ Million)	MAY 1996 ($ Million)	JUNE 1996 ($ Million)	TOTAL COST Sep 95 to Jun 96 ($ Million)
1. DONBASS													
Zuyev	1,200	20.86	8.7	13.5	14.4	13.7	14.1	14.0	14.9	10.8	6.4	9.6	120.2
Starobesh	2,000	18.45	16.3	19.1	18.8	21.5	21.5	18.2	19.4	18.5	14.0	17.4	184.8
Lugansk A (4-6)	300	**28.27**	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Lugansk B (8-15)	1,400	**28.27**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slaviansk A (3,5)	180	28.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slaviansk B (6-7)	1,520	28.27	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Kurakhov	1,460	20.94	8.6	13.4	14.2	14.0	14.3	15.1	16.0	11.4	3.2	10.1	120.3
Subtotal	8,060	19.77	33.5	46.1	48.0	49.3	50.0	47.2	50.3	40.7	23.7	37.1	425.9
2. DNIPRO													
Pridneprov A (7-10)	600	16.95	5.1	5.6	5.5	6.3	6.3	5.3	5.7	5.4	4.9	5.1	55.3
Pridneprov B (11-14)	1,140	21.53	3.2	10.1	10.6	10.9	11.2	10.5	11.0	9.0	0.8	7.2	84.7
Krivoroj	2,820	20.43	18.2	29.3	30.7	33.2	33.4	28.4	29.7	23.5	17.3	20.7	264.4
Zaporozh A (1-4)	1,200	13.67	8.6	9.4	9.3	10.6	10.6	9.0	9.6	9.1	8.9	8.6	93.6
Zaporozh B (5-7)	2,400	23.97	1.9	18.3	25.2	24.5	24.4	24.0	21.8	7.2	0.0	5.3	152.6
Subtotal	8,160	19.51	37.0	72.8	81.3	85.5	86.0	77.2	77.8	54.3	31.8	46.8	650.6
3. ZAKHID													
Ladyzhin	1,800	27.29	0.0	2.2	6.9	2.9	3.1	4.4	2.5	0.0	0.0	0.0	21.9
Burstin	2,300	13.91	18.2	20.0	19.6	22.5	22.5	19.0	20.3	19.4	18.7	18.2	198.4
Dobrotvor A (4-6)	300	18.54	3.1	3.3	3.6	3.7	3.7	3.3	3.3	3.1	2.4	2.7	32.2
Dobrotvor B (7-8)	300	18.67	2.4	3.0	2.9	3.3	3.3	2.8	3.0	2.9	2.2	2.7	28.6
Subtotal	4,700	15.33	23.7	28.4	33.0	32.5	32.7	29.5	29.0	25.4	23.3	23.5	281.0
4. TSENTR													
Uglegorsk A (1-4)	1,200	20.13	11.2	15.9	15.6	17.9	17.9	15.1	16.1	15.3	10.4	12.4	147.7
Uglegorsk B (5-7)	2,400	25.34	0.2	17.0	25.0	25.0	25.4	24.2	19.8	3.9	0.0	1.2	141.8
Tripolye A (1-4)	1,200	**28.96**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tripolye B (5-6)	600	**28.96**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zmiev	2,150	27.36	0.0	1.1	3.4	1.2	1.4	2.0	1.4	0.0	0.0	0.0	10.5
Subtotal	7,550	22.53	11.4	34.0	44.0	44.1	44.7	41.3	37.3	19.2	10.4	13.7	300.0
5. CHP													
CHP 1 (Ht)	1,670	0.91	0.5	0.8	0.9	1.1	1.1	0.9	0.9	0.8	0.6	0.5	8.1
CHP 1 (Elec)	1,920	0.60	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.4	0.4	1.7
CHP 2 (Ht)	2,393	0.89	0.7	1.0	1.3	1.4	1.4	1.2	1.2	1.0	0.7	0.6	10.7
CHP 2 (Elec)	2,413	0.68	0.5	0.2	0.1	0.0	0.0	0.0	0.1	0.2	0.4	0.4	1.9
Subtotal	8,396	0.84	2.2	2.2	2.4	2.5	2.5	2.2	2.2	2.1	2.1	2.0	22.4
FOSSIL	28,470					211.3	213.4	195.2	194.4	139.7	89.1	121.1	1,657.5
CHP	8,396					2.5	2.5	2.2	2.2	2.1	2.1	2.0	22.4
TOTAL	36,866					213.8	215.9	197.5	196.7	141.8	91.2	123.1	1,679.9

(1) Weighted by despatched generation in MW. Weighted average bids could not be calculated for plants with no generation. These bids have been entered by hand, and are shown in boldface.

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TABLE 43: IMPLIED MONTHLY COAL COSTS AND IMPLIED COAL PRICE September 1995 - June 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	FUEL MIX: COAL (%)	TOTAL COAL USE Sep 95 to Jun 96 (tonnes)	IMPLIED AVERAGE COAL PRICE ($ / tonne)	SEPT 1995 ($ Million)	OCT 1995 ($ Million)	NOV 1995 ($ Million)	DEC 1995 ($ Million)	JAN 1996 ($ Million)	FEB 1996 ($ Million)	MAR 1996 ($ Million)	APR 1996 ($ Million)	MAY 1996 ($ Million)	JUNE 1996 ($ Million)	TOTAL COST Sep 95 to Jun 96 ($ Million)
1. DONBASS															
Zuyev	1,200	75%	2,520,142	34.76	6.3	9.9	10.5	10.0	10.3	10.2	10.9	7.9	4.7	7.0	87.6
Starobesh	2,000	70%	3,661,477	32.97	10.6	12.5	12.3	14.1	14.1	11.9	12.7	12.1	9.2	11.4	120.7
Lugansk A (4-6)	300	74%	2,378	40.25	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Lugansk B (8-15)	1,400	74%	0	ERR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slaviansk A (3,5)	180	95%	0	ERR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slaviansk B (6-7)	1,520	43%	3,361	76.14	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Kurakhov	1,460	75%	3,302,943	26.92	6.4	9.9	10.5	10.4	10.6	11.1	11.8	8.4	2.4	7.4	88.9
Subtotal	8,060		9,490,300	31.36	23.3	32.3	33.6	34.4	35.0	33.2	35.4	28.4	16.2	25.8	297.6
2. DNIPRO															
Pridneprov A (7-10)	600	85%	1,613,677	27.53	4.1	4.5	4.4	5.1	5.1	4.3	4.6	4.4	3.9	4.1	44.4
Pridneprov B (11-14)	1,140	85%	1,852,236	38.95	2.8	8.6	9.1	9.3	9.5	9.0	9.4	7.7	0.7	6.2	72.2
Krivoroj	2,820	85%	7,422,722	30.15	15.4	24.8	26.0	28.1	28.3	24.0	25.2	19.9	14.6	17.5	223.8
Zaporozh A (1-4)	1,200	95%	4,772,271	18.14	7.9	8.7	8.6	9.8	9.8	8.3	8.8	8.5	8.2	7.9	86.6
Zaporozh B (5-7)	2,400	0%	0	ERR	0.3	2.9	4.0	3.9	3.9	3.8	3.4	1.1	0.0	0.8	24.1
Subtotal	8,160		15,660,906	28.80	30.5	49.6	52.0	56.1	56.6	49.4	51.4	41.5	27.4	36.5	451.0
3. ZAKHID															
Ladyzhin	1,800	90%	467,088	42.73	0.0	2.0	6.3	2.6	2.8	4.0	2.2	0.0	0.0	0.0	20.0
Burstin	2,300	90%	8,702,599	19.15	15.3	16.8	16.5	18.9	18.9	16.0	17.0	16.3	15.7	15.3	166.7
Dobrotvor A (4-6)	300	42%	546,144	14.41	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.6	0.7	7.9
Dobrotvor B (7-8)	300	42%	437,919	21.63	0.8	1.0	1.0	1.1	1.1	0.9	1.0	1.0	0.7	0.9	9.5
Subtotal	4,700		10,153,750	20.09	16.8	20.6	24.6	23.6	23.8	21.7	21.1	18.0	17.0	16.8	204.0
4. TSENTR															
Uglegorsk A (1-4)	1,200	95%	4,007,758	34.97	10.6	15.1	14.8	17.0	17.0	14.3	15.3	14.5	9.8	11.8	140.2
Uglegorsk B (5-7)	2,400	0%	0	ERR	0.0	3.8	5.6	5.6	5.7	5.4	4.4	0.9	0 0	0.3	31.6
Tripolye A (1-4)	1,200	90%	0	ERR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tripolye B (5-6)	600	0%	0	ERR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zmiev	2,150	85%	183,050	49.02	0.0	0.9	2.9	1.1	1.2	1.7	1.2	0.0	0.0	0.0	9.0
Subtotal	7,550		4,190,808	43.12	10.7	19.8	23.2	23.6	23.8	21.4	20.9	15.4	9.8	12.1	180.7
5. CHP															
CHP 1 (Ht)	1,670	95%	2,725,405	1.11	0.2	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	3.0
CHP 1 (Elec)	1,920	95%	1,527,861	(0.10)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.2)
CHP 2 (Ht)	2,393	95%	2,433,868	4.37	0.7	1.0	1.3	1.4	1.4	1.2	1.2	1.0	0.7	0.6	10.6
CHP 2 (Elec)	2,413	95%	1,933,577	(0.41)	(0.2)	(0.1)	(0.0)	(0.0)	(0.0)	(0.0)	(0.0)	(0.1)	(0.2)	(0.2)	(0.8)
Subtotal	8,396		8,620,711	1.48	0.7	1.2	1.6	1.8	1.8	1.6	1.5	1.2	0.7	0.6	12.7
FOSSIL	28,470		39,495,765	28.69	81.3	122.2	133.5	137.7	139.2	125.6	128.8	103.3	70.5	91.2	1,133.3
CHP	4,333		8,620,711	1.48	0.7	1.2	1.6	1.8	1.8	1.6	1.5	1.2	0.7	0.6	12.7
TOTAL	32,803		48,116,476	23.82	81.9	123.5	135.1	139.5	141.0	127.2	130.3	104.5	71.3	91.8	1,146.0

TABLE 44: MONTHLY SMP-DERIVED REVENUES - BY COMPANY September 1995 - June 1996

GENERATOR UNIT	PLANT DESIGN CAPACITY (MW)	SEPT 1995 ($ Million)	OCT 1995 ($ Million)	NOV 1995 ($ Million)	DEC 1995 ($ Million)	JAN 1996 ($ Million)	FEB 1996 ($ Million)	MAR 1996 ($ Million)	APR 1996 ($ Million)	MAY 1996 ($ Million)	JUNE 1996 ($ Million)	JULY 1996 ($ Million)	AUGUST 1996 ($ Million)	TOTAL REVENUE ($ Million)
1. DONBASS														
Zuyev	1,200	9.0	14.4	15.6	14.7	15.1	15.0	15.9	11.4	6.6	10.1	10.6	10.7	149.0
Starobesh	2,000	18.2	22.5	22.5	25.3	25.3	21.5	22.8	21.2	15.6	19.8	20.5	20.5	255.6
Lugansk A (4-6)	300	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Lugansk B (8-15)	1,400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slaviansk A (3,5)	180	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Slaviansk B (6-7)	1,520	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
Kurakhov	1,460	8.9	14.3	15.4	15.0	15.3	16.1	16.9	11.9	3.3	10.5	11.0	11.0	149.6
Subtotal	8,060	36.0	51.1	54.1	55.0	55.7	52.6	55.7	44.5	25.4	40.4	42.1	42.2	554.9
2. DNIPRO														
Pridneprov A (7-10)	600	6.2	7.2	7.2	8.1	8.1	6.9	7.3	6.8	5.8	6.3	6.6	6.6	83.1
Pridneprov B (11-14)	1,140	3.2	10.4	11.2	11.3	11.5	10.9	11.3	9.1	0.8	7.3	7.9	8.0	102.9
Krivoroj	2,820	19.3	31.9	33.9	36.0	36.3	31.1	32.4	25.2	18.0	22.2	23.4	23.4	333.3
Zaporozh A (1-4)	1,200	12.9	15.0	15.0	16.9	16.9	14.4	15.3	14.2	12.8	13.2	13.7	13.7	174.0
Zaporozh B (5-7)	2,400	1.9	18.7	26.3	25.3	25.1	24.7	22.3	7.2	0.0	5.3	5.7	6.0	168.5
Subtotal	8,160	43.6	83.2	93.7	97.6	97.9	88.0	88.7	62.6	37.4	54.3	57.2	57.7	861.8
3. ZAKHID														
Ladyzhin	1,800	0.0	2.2	7.0	2.9	3.1	4.4	2.5	0.0	0.0	0.0	0.0	0.0	22.1
Burstin	2,300	26.8	31.3	31.3	35.2	35.2	30.0	31.8	29.6	26.7	27.6	28.6	28.6	362.5
Dobrotvor A (4-6)	300	3.5	3.9	4.4	4.4	4.4	4.0	3.9	3.7	2.6	3.1	3.2	3.2	44.3
Dobrotvor B (7-8)	300	2.6	3.4	3.4	3.9	3.9	3.3	3.5	3.3	2.4	3.0	3.1	3.1	39.1
Subtotal	4,700	33.0	40.8	46.1	46.4	46.6	41.7	41.7	36.5	31.7	33.7	34.9	34.9	467.9
4. TSENTR														
Uglegorsk A (1-4)	1,200	11.8	17.2	17.2	19.3	19.3	16.5	17.5	16.2	10.7	13.2	14.6	14.7	188.0
Uglegorsk B (5-7)	2,400	0.2	17.5	26.2	25.7	26.1	25.0	20.3	3.9	0.0	1.2	1.2	1.3	148.6
Tripolye A (1-4)	1,200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tripolye B (5-6)	600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Zmiev	2,150	0.0	1.1	3.4	1.2	1.4	2.0	1.4	0.0	0.0	0.0	0.0	0.0	10.6
Subtotal	7,550	11.9	35.7	46.8	46.3	46.9	43.4	39.2	20.1	10.7	14.4	15.8	16.0	347.1
5. CHP														
CHP 1 (Ht)	1,670	12.6	21.5	25.1	27.3	27.3	24.0	23.5	20.7	13.2	12.4	10.3	10.3	228.2
CHP 1 (Elec)	1,920	12.8	2.6	1.8	0.0	0.0	1.0	1.1	2.8	9.8	11.1	14.4	14.4	71.8
CHP 2 (Ht)	2,393	17.7	26.7	33.6	37.3	37.3	32.3	31.4	24.4	17.2	16.0	15.7	16.6	306.2
CHP 2 (Elec)	2,413	11.5	5.1	2.3	0.0	0.0	1.3	1.4	6.1	8.9	10.5	11.7	10.8	69.6
Subtotal	8,396	54.6	55.9	62.8	64.6	64.6	58.7	57.5	54.0	49.0	50.0	52.1	52.1	675.8
FOSSIL	28,470	124.5	210.8	240.6	245.2	247.1	225.7	225.2	163.7	105.1	142.9	150.0	150.9	2,231.7
CHP	8,396	54.6	55.9	62.8	64.6	64.6	58.7	57.5	54.0	49.0	50.0	52.1	52.1	675.8
TOTAL	36,866	179.1	266.7	303.5	309.8	311.6	284.4	282.7	217.6	154.1	192.9	202.1	203.0	2,907.5

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