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Capacities of Electric Power Plants and Estimated  
Regional Power Plant Capacities in the USSR

1961-1965

CIA/RR EP 65-50

June 15, 1965

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FOREWORD

Attached is a regional listing of all known electric powerplants in the USSR of 24 megawatts (mw) and over, giving the estimated capacity of the plants at the end of each year, from 1961 to 1965. This listing is set up according to the twelve economic regions of the USSR, with a subdivision for each Union Republic within an economic region. The Central Region of the RSFSR (Economic Region VII) and the Ukrainian Republic (Economic Region III) are further subdivided in accordance with the breakdown of large economic regions of the USSR.

The capacity of individual powerplants is estimated on the basis of all available information as of 31 May 1965. Information upon which the estimates are based includes Soviet books, periodicals, newspapers, and radio broadcasts, observation reports from returnees, travellers, and exchange delegations; and photographs. Estimates of new additions to capacity in individual powerplants through 1965 are based largely on published Soviet plans and on estimated requirements for electric power by specific local industrial facilities.

In addition to capacities in plants 24 mw and over, estimates have been made of the total installed capacity, including smaller powerplants, in each Union Republic and each economic region of the RSFSR, at the end of each year, 1961-1965. In some cases figures have been published for

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total capacities or total planned increases in capacities. Where such information was not available, estimates were based on fragmentary bits of information, and on planned production of electric power within the specific region or Union Republic, together with estimated average annual utilization of capacity.

Tables 1 and 2 present summary information which is derived from the regional listing of powerplants. Table 1 gives the total estimated capacity of powerplants for each Union Republic and economic region of the RSFSR at the end of each year, 1961 through 1965. Table 2 shows the number of large turbogenerators planned for installation each year during the Seven Year Plan.

As new information becomes available, the estimates in this listing will have to be revised. The list is presented in a form so that annotations and changes can be made as necessary.

An index listing powerplants alphabetically by town name or by proper name has been appended at the end of the plant lists.

This listing is a working paper prepared by the Fuels and Power Branch, Office of Research and Reports, CIA. It has not been coordinated with other intelligence components.

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Table 1

Capacity of Electric Powerplants in the USSR, 1961-1965

Summary

Region	Estimated Capacity at End of Year (MW)								
	1961	1962	1963	1964	1965	1966	1967	1968	1970
I. Northwest Economic Region	4,731	5,035	5,486	5,855	6,352				
II. Belorussia	1,254	1,483	1,864	2,094	2,324				
Estonia	1,170	1,365	1,585	1,780	2,175				
Latvia	369	375	385	395	730				
Lithuania	409	559	709	859	1,309				
<u>Total</u>	<u>3,202</u>	<u>3,782</u>	<u>4,543</u>	<u>5,128</u>	<u>6,538</u>				
III. Ukraine	12,284	13,807	15,410	16,700	18,750				
Moldavia	304	321	332	532	932				
<u>Total</u>	<u>12,588</u>	<u>14,138</u>	<u>15,742</u>	<u>17,232</u>	<u>19,682</u>				
IV. North Caucasus Economic Region	2,286	2,353	2,678	3,165	3,765				
V. Armenia	620	670	772	872	1,121				
Azerbaijan	1,960	2,175	2,345	2,557	2,800				
Georgia	968	1,014	1,332	1,492	1,652				
<u>Total</u>	<u>3,548</u>	<u>3,859</u>	<u>4,449</u>	<u>4,921</u>	<u>5,573</u>				

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(Table 1. Continued)

Region	Estimated Capacity at End of Year (MW)								
	1961	1962	1963	1964	1965	1966	1967	1968	1970
VI. Volga Economic Region	<u>7,367</u>	<u>7,728</u>	<u>8,369</u>	<u>9,167</u>	<u>9,730</u>				
VII. Central Economic Region	<u>10,868</u>	<u>11,427</u>	<u>12,603</u>	<u>13,678</u>	<u>15,941</u>				
VIII. Urals Economic Region	<u>10,490</u>	<u>11,476</u>	<u>12,402</u>	<u>13,958</u>	<u>15,000</u>				
IX. West Siberia Economic Region	<u>6,262</u>	<u>6,646</u>	<u>7,418</u>	<u>8,819</u>	<u>9,368</u>				
X. Kazakh	<u>3,374</u>	<u>4,000</u>	<u>4,638</u>	<u>5,137</u>	<u>5,611</u>				
Uzbek	<u>1,594</u>	<u>1,710</u>	<u>2,080</u>	<u>2,405</u>	<u>2,910</u>				
Kirgiz	<u>350</u>	<u>515</u>	<u>670</u>	<u>675</u>	<u>805</u>				
Tadzhik	<u>380</u>	<u>500</u>	<u>655</u>	<u>715</u>	<u>825</u>				
Turkmen	<u>295</u>	<u>365</u>	<u>397</u>	<u>479</u>	<u>611</u>				
<u>Total</u>	<u>5,993</u>	<u>7,090</u>	<u>8,440</u>	<u>9,411</u>	<u>10,762</u>				
XI. East Siberia	<u>5,370</u>	<u>7,532</u>	<u>9,284</u>	<u>9,822</u>	<u>10,145</u>				
XII. Far East	<u>1,393</u>	<u>1,405</u>	<u>1,636</u>	<u>1,894</u>	<u>2,106</u>				
<u>Total USSR</u>	<u>74,098</u>	<u>82,461</u>	<u>93,050</u>	<u>103,050</u>	<u>114,962</u>				

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Table 2

Installation of Large Turbogenerators During 1961-65

	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u> (Planned)	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>1970</u>
100 MW turbogenerators	9	4	10	7	10				
150 MW turbogenerators	6	6	12	14	10				
200 MW turbogenerators	6	6	8	13	15				
300 MW turbogenerators			2	3	8				
Total Number of Turbogenerators	<u>21</u>	<u>16</u>	<u>32</u>	<u>37</u>	<u>43</u>				
Total Capacity of Large Turbogenerators (MW)	<u>3,000</u>	<u>2,500</u>	<u>5,000</u>	<u>6,300</u>	<u>7,900</u>				

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1. Northwest Economic Region	Estimated Capacity at End of Year (MW)								
	1961	1962	1963	1964	1965	1966	1967	1968	1970
<u>Summary</u>									
A. Leningrad Power System	1,989	2,076	2,175	2,305	2,436				
B. Kola Power System	1,139	1,175	1,394	1,511	1,725				
C. Karelian ASSR	495	599	641	677	690				
D. Kaliningrad Oblast	134	136	141	146	147				
E. North Area	974	1,049	1,135	1,216	1,354				
Total Capacity in Northwest Economic Region	<u>4,731</u>	<u>5,035</u>	<u>5,486</u>	<u>5,855</u>	<u>6,352</u>				

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I. Northwest Economic Region

	Coordinates		Estimated Capacity at End of Year (MW)								
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970
A. Leningrad Power System											
Plants 24 MW and Over											
	25X1A										
1.	Dubrovka GRES 8 Kirov	59-52 30-59	300	300	300	300	300				
2.	Enso GES 11	61-06 28-51	100	100	100	100	100				
3.	Kirishskaya TETs	59-27 32-02	--	--	--	--			50		
4.	Kolpino TETs Izhora- Kuybyshev	59-46 30-35	36	36	36	36	36				
5.	Leningrad TETs Bolshevik	59-51 30-29	24	24	24	24	24				
6.	Leningrad TETs 1	59-55 30-20	65	65	65	101	101				
7.	Leningrad TETs 2	59-56 30-23	86	86	86	86	86				
8.	Leningrad GRES 5 Krasnyy Oktyabr	59-52 30-29	111	111	111	111	111				
9.	Leningrad TETs 14 Southwest	59-52 30-15	100	150	200	200	200				
10.	Leningrad TETs 15 Kirovskaya	59-52 30-17	120	120	120	120	120				

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I. Northwest Economic Region (Cont.)

	Coordinates		Estimated Capacity at End of Year (MW)								
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970
11. Leningrad TETs 17	59-56	30-15	—	25	37	87	137				
12. Pikalevo TETs	59-35	34-05**	25	25	25	25	37				
13. Podporozhye Svir GES 2	60-55	34-12	160	160	160	160	160				
14. Roukhiala GES 10	61-04	28-52	100	100	100	100	100				
15. Svirstroy Svir GES 3 Graftio	60-48	33-42	100	100	100	100	100				
16. Volkhov GES Lenin 6	59-55	32-20	92	92	92	92	92				
Total in Plants 24 MW and Over			<u>1,419</u>	<u>1,494</u>	<u>1,556</u>	<u>1,642</u>	<u>1,754</u>				
Small Plants	25X1A		570	582	619	663	682				
Total Capacity in Leningrad Power System			<u>1,989</u>	<u>2,076</u>	<u>2,175</u>	<u>2,305</u>	<u>2,436</u>				

\*\* Town coordinates.

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## 1. Northwest Economic Region (Cont.)

	Coordinates		Estimated Capacity at End of Year (MW)								
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970
B. Kola Power System (Murmansk Oblast)											
Plants 24 MW and Over											
1. Borisoglebskaya GES	69-39	30-08	—	—	56	56	56				
2. Iovskaya GES	66-40	31-20*	80	80	80	80	80				
3. Kandalaksha Niva GES 1	67-23	32-33	30	30	30	30	30				
4. Kandalaksha Niva GES 2	67-17	32-27	60	60	60	60	60				
5. Kandalaksha Niva GES 3	67-11	32-25	150	150	150	150	150				
6. Kirovsk GRES	67-35	33-23	100	100	200	200	200				
7. Knyazhagubskaya GES	66-52	32-20	128	128	128	128	128				
8. Murmansk TETs	68-57	33-04	24	24	24	24	24				
9. Murmashi Tulonskaya GES	68-49	32-49	48	48	48	48	48				
10. Nautsi Raykoski GES	69-01	29-01	41	41	41	41	41				

25X1A

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I. Northwest Economic Region (Cont.)

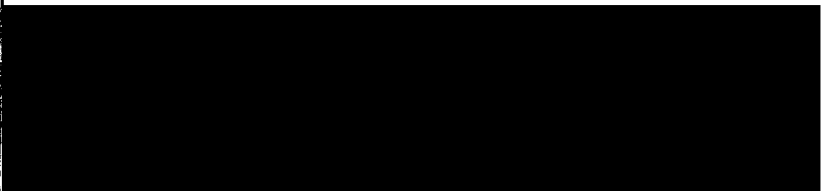
	Coordinates	Estimated Capacity at End of Year (MW)										
		N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970
11. Rosta TEs	69-02 33-05			24	24	24	24	24				
12. Yaniskoski GES	68-58 28-47			28	28	28	28	28				
13. Verkhne Tuloma GES	68-36 31-45			--	--	--	57	228				
Total in Plants 24 MW and Over	25X1A			<u>713</u>	<u>713</u>	<u>869</u>	<u>926</u>	<u>1,097</u>				
Small Plants				426	462	525	585	628				
Total Capacity in Murmansk Oblast				<u>1,139</u>	<u>1,175</u>	<u>1,394</u>	<u>1,511</u>	<u>1,725</u>				

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I. Northwest Economic Region (Cont.)

	Coordinates		Estimated Capacity at End of Year (MW)									
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1969	
C. Karelian ASSR												
Plants 24 MW and Over												
1. Belomorsk GES	64-30	34-42*	--	9	28	28	28	28	28	28		
2. Kondopoga GES	62-12	34-16**	28	28	28	28	28	28	28	28		
3. Kondopoga TETs	62-12	34-16**	12	12	12	24	24	24	24	24		
4. Kumskaya GES	65-21	31-07	--	83	83	83	83	83	83	83		
5. Madvoytsy Ondskaya GES	63-58	34-13	80	80	80	80	80	80	80	80		
6. Segezha TETs	63-44	34-26	36	36	36	36	36	36	36	36		
7. Sosnovets Matkozhensk GES	64-25	34-29	60	60	60	60	60	60	60	60		
8. Vygostrovskaya GES	64-28	34-41	40	40	40	40	40	40	40	40		
Total in Plants 24 MW and Over			256	348	367	372	372	372	372	372		
Small Plants			239	251	274	298	298	311	311	311		
Total Capacity in Karelian ASSR			495	599	641	671	671	690	690	690		



25X1A

\* Approximate Coordinates  
 \*\* Town coordinates

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I. Northwest Economic Region (Cont.)

	Coordinates		Estimated Capacity at End of Year (MW)								
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970
D. <u>Kaliningrad Oblast</u>											
1. <u>Kaliningrad GRES 2</u>	54-40	20-07	50	50	50	50	50	50			
Small Plants			84	86	91	96	97				
Total Capacity in Kaliningrad Oblast			<u>134</u>	<u>136</u>	<u>141</u>	<u>146</u>	<u>147</u>				

25X1A

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1. Northwest Economic Region (Cont.)

	Coordinates	Estimated Capacity at End of Year (MW)								
		1961	1962	1963	1964	1965	1966	1967	1968	1970
25X1A										
25X1A										
5. North Area (Arkhangelsk, Komi, Vologda)										
<u>Plants 24 MW and Over</u>										
1. Arkhangelsk Arkbum TEEs	64-26 40-50	24	24	24	24	24	24	24	24	24
2. Cherepovets TEEs Mtlg.	59-08 37-52	80	131	131	131	131	131	131	131	131
3. Cherepovets GES	59-15 38-28*	--	--	--	--	--	--	--	--	80
4. Inta TEEs 2	66-03 60-10	48	48	48	48	48	48	48	48	48
5. Kotlas TEEs 2	61-18 47-00**	50	50	50	50	50	50	50	50	50
6. Severodvinsk TEEs	64-35 39-52	50	50	50	75	100				
7. Sokol TEEs	59-27 40-09	39	51	51	51	51	51	51	51	51
8. Ukhta TEEs	63-33 53-42*	24	24	24	24	24	24	24	24	24
9. Vorkuta TEEs 1	67-30 64-03	53	53	53	53	53	53	53	53	53
10. Vorkuta TEEs 2	67-30 64-03	150	150	200	200	200	200	200	200	200
Total in Plants 24 MW and Over		518	581	631	656	761	761	761	761	761
Small Plants		456	468	504	560	593				
Total Capacity in North Area		974	1,049	1,135	1,216	1,354	1,354	1,354	1,354	1,354

\* Approximate coordinates.  
\*\* Town coordinates.

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Estimated Capacity at End of Year (MW)

1961 1962 1963 1964 1965 1966 1967 1968 1970

Coordinates

N E

25X1A

West Economic Region

A. Belorussia

Plants 24 MW and Over

1. Berezova GRES	52-28	25-11	150	300	450	600	600	600
2. Minsk TETS 2	53-53	27-35	50	50	50	50	50	50
3. Minsk TETS 3	53-53	27-39	150	150	250	250	350	350
4. Mogilev TES	53-53	30-18	24	24	24	24	24	24
5. Orskhovsk Belgres	54-42	30-30	48	48	48	48	48	48
6. Polotsk TETS	55-29	28-47**	-	-	100	150	200	200
7. Smolevichi GRES	54-06	28-21	90	90	90	90	90	90
8. Vasilievichi GRES	52-37	29-45	150	200	200	200	250	250
9. Vitebsk TETS	55-11	30-10	62	62	62	62	62	62
Total in Plants 24 MW and Over			<u>724</u>	<u>924</u>	<u>1,274</u>	<u>1,474</u>	<u>1,674</u>	<u>1,674</u>
Small Plants			530	559	590	620	650	650
Total Capacity in Byelorussia			<u><u>1,254</u></u>	<u><u>1,483</u></u>	<u><u>1,864</u></u>	<u><u>2,094</u></u>	<u><u>2,324</u></u>	<u><u>2,324</u></u>

\*\* Town Coordinates.

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Estimated Capacity at End of Year (MW)

Coordinates	1961	1962	1963	1964	1965	1966	1967	1968	1970
N	E								

II. West Economic Region (Cont.)

B. Estonia

Plants 24 MW and Over

1. Akhtme TETs	59-19	27-28	157	157	157	157	157	157	157
2. Kohtla Yarve TETs	59-24	27-15	48	48	48	48	48	48	48
3. Narva Pribaltik GRES	59-22	28-08	600	800	1,000	1,200	1,200	1,600	1,600
4. Narva GRES	59-22	28-12	144	144	144	144	144	144	144
5. Tallin TETs Municipal	59-27	24-45	53	53	78	78	78	78	78

Total in Plants 24 MW and Over

1,002   1,202   1,427   1,627   2,027

Small Plants

25X1A

Total Capacity in Estonia

168   163   158   153   148

1,170   1,365   1,585   1,780   2,175

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VI. West Economic Region (Cont.)

	Coordinates	Estimated Capacity at End of Year (MW)																		
		1961	1962	1963	1964	1965	1966	1967	1968	1970										
C. Latvia																				
Plants 24 MW and Over																				
1. Kegums GES	56-44 24-43	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
2. Liepaya GRES	56-31 21-01	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
3. Plyavinskaya GES	56-38 25-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	330
4. Riga TETs	56-59 24-11	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
5. Riga TSEs Municipal	56-58 24-06	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
Total in Plants 24 MW and Over		260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	260	590
Small Plants		109	115	125	135	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
Total Capacity in Latvia		369	375	385	395	400	400	400	400	400	400	400	400	400	400	400	400	400	400	730

25X1A

S-E-C-R-E-T

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II. West Economic Region (Cont.)

	Coordinates	Estimated Capacity at End of Year (MW)									
		1961	1962	1963	1964	1965	1966	1967	1968	1970	
D. Lithuania											
Plants 24 MW and Over	25X1A										
1. Kaunas Petrushlunai GRES	54-53 23-59	49	49	49	49	49	49	49	49	49	
2. Kaunas GES	54-52 24-00	90	90	90	90	90	90	90	90	90	
3. Vievis Litovskaya GRES	54-45 24-49	-	150	300	450	900					
4. Vilnyus TETS 2	54-40 25-14	60	60	60	60	60	60	60	60	60	
Total in Plants 24 MW and Over	25X1A	199	349	499	649	1,099					
Small Plants		210	210	210	210	210	210	210	210	210	
Total Capacity in Lithuania		409	559	709	859	1,309					

S-E-C-R-E-T



S-E-C-R-E-T

III. South Economic Region

	Estimated Capacity at End of Year (MW)								
	1961	1962	1963	1964	1965	1966	1967	1968	1970
<u>Ukraine</u>									
<u>Summary</u>									
A. Dnepr Power System	2,590	2,590	3,003	3,615	4,215				
B. Donets Power System	4,641	5,691	6,516	6,966	7,666				
C. Southwest Area	1,808	1,920	2,095	2,261	3,073				
D. South Area	496	496	496	496	496				
Total in Plants 24 MW and Over	<u>2,535</u>	<u>10,697</u>	<u>12,110</u>	<u>13,338</u>	<u>15,450</u>				
Small Plants	2,749	3,110	3,300	3,362	3,300				
Total Capacity in Ukraine	<u>12,284</u>	<u>13,807</u>	<u>15,410</u>	<u>16,700</u>	<u>18,750</u>				

S-E-C-R-E-T

## III. South Economic Region

Ukraine	Coordinates		1961	1962	1963	1964	1965	1966	1967	1968	1970
	N	E									
A. Dnepr Power System											
1. Dneprodzerzhinsk GRES	48-32	34-37	198	198	198	198	198				
2. Dneprodzerzhinsk GES'	48-32	34-38	-	-	88	350	350				
3. Dneprodzerzhinsk TEEs Nitrog. Fert. Plant	48-30	34-37**	-	-	-	50	50				
4. Dnepropetrovsk Pridneprovskaya GRES	48-24	35-07	1,200	1,200	1,500	1,800	2,100				
5. Dnepropetrovsk TEEs Petrovskiy	48-29	34-59	30	30	30	30	30				
6. Kakhovka GES	46-47	33-21	312	312	312	312	312				
7. Krivoy Rog TEEs Krivorozhskiy Stalin	47-52	33-25	105	105	105	105	105				
8. Krivoy Rog TEEs 2 Krivorozhstal	48-00	33-27	-	-	25	24	25				
9. Krivoy Rog Sokolovka TSES	48-00	33-27	44	44	44	44	44				
10. Krivoy Rog GRES	47-40	33-42	-	-	-	-	300				
11. Zaporozhye Dneproges Lenin	47-52	35-05	651	651	651	651	651				
12. Zaporozhye TEEs Zaporozhstal	47-52	35-09	50	50	50	50	50				
Total			2,590	2,590	3,003	3,615	4,215				
** Town coordinates.											

25X1A

25X1A

III. South Economic Region

Ukraine

B. Donets Power System

Plants 24 MW and Over

1. Chuguyev Kharkov GRES 2
2. Kharkov TETs 3
3. Kharkov TETs 4
4. Krematorsk TETs
5. Lisichansk TETs Sevdon
6. Lisichansk TETs Sevdon GRES
7. Lisichansk TETs 2
8. Lugansk Mironovskaya GRES
9. Lugansk GRES
10. Lugansk TETs Oktyabr Rev
11. Makeyevka TETs Kirov
12. Rova Kurekhovka GRES

Coordinates  
N E

	1961	1962	1963	1964	1965	1966	1967	1968	1970
49-48 36-36	300	300	300	300	300				
49-58 36-18	105	155	155	205	205				
49-58 36-23	52	52	52	52	52				
48-45 37-35	75	75	75	75	75				
48-56 38-28	49	49	74	74	74				
48-53 38-29	90	90	90	90	90				
48-56 38-28*	--	--	--	--	100				
48-29 38-15	500	500	500	500	500				
48-44 39-14	900	1,300	1,500	1,500	1,500				
48-35 39-20	48	48	48	48	48				
48-03 37-57	50	50	50	50	50				
48-00 37-15	400	400	400	400	400				

S-E-C-R-E-T

\* Approximate coordinates.

25X1A

S-E-C-R-E-T

III. South Economic Region (Cont.)

Plants 24 MW and Over	Coordinates		Estimated Capacity at End of Year (MW)									
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970	
3. Shterovka GRES	48-06	38-53	242	242	242	242	242	242	242	242	242	
4. Slevyansk GRES	48-53	37-38	500	500	500	500	500	500	500	500	500	
5. Starobeshevo GRES	47-45	38-03	500	900	1,300	1,500	1,500	1,900				
6. Voroshilovsk TETs	46-29	38-46	30	30	30	30	30	30	30	30	30	
7. Zhdanov TETs Azovstal	47-06	37-35	50	50	50	50	50	50	50	50	50	
8. Zmiyev GRES	49-35	36-31	400	600	800	1,000	1,000	1,200				
9. Zuyevka TETs Zugres	48-01	38-15	350	350	350	350	350	350	350	350	350	
Total			4,641	5,691	6,516	6,966	6,966	7,666				

25X1A

S-E-C-R-E-T

## III. South Economic Region (Cont.)

Coordinates	
N	E

25X1A

UkraineC. Southwest AreaPlants 24 MW and Over

	1961	1962	1963	1964	1965	1966	1967	1968	1978
1. Aleksandriya TETs	80	80	80	80	80				
2. Burshbyn GRES					400				
3. Cherkassy TETs	50	100	100	100	150				
4. Chernigov Komsomolsk TETs	50	100	100	100	100				
5. Dashava TETs	12	24	24	24	24				
6. Dobrotvor GRES	400	400	550	700	700				
7. Kiev TETs 2 Stalin	135	135	160	160	160				
8. Kiev TETs 3	112	112	112	112	112				
9. Kiev Darnitse TETs	250	250	250	250	250				
10. Kiev GES				16	328				
11. Kremenchug GES	625	625	625	625	625				
12. Kremenchug TETs					50				
13. Lvov GRES Municipal	60	60	60	60	60				
14. Terebla Rikskaya GES	34	34	34	34	34				
Total	1,808	1,920	2,095	2,261	3,073				

25X1A

\*\* Town coordinates.

## III. South Economic Region (Cont.)

Coordinates	Estimated Capacity at End of Year (MW)								
	1961	1962	1963	1964	1965	1966	1967	1968	1970
N									
E									

UkraineD. South AreaPlants 24 MW and Over

1. Kerch GRES	45-17	36-25	40	40	40	40	40	40	40
Kamysh Burun									
2. Nikolsyev TETS	46-57	31-59	75	75	75	75	75	75	75
3. Odessa TETS 1 Marti	46-31	30-44	37	37	37	37	37	37	37
4. Odessa TETS 3	46-30	30-43	200	200	200	200	200	200	200
5. Sevastopol GRES I Inkerman	44-37	33-35	44	44	44	44	44	44	44
6. Simferopol GRES	45-00	34-03	100	100	100	100	100	100	100
Total			496	496	496	496	496	496	496

S-E-C-R-E-T

III. South Economic Region (Cont.)

	Coordinates	Estimated Capacity at End of Year (MW)								
		1961	1962	1963	1964	1965	1966	1967	1968	1970
E. <u>Moldavia</u>										
<u>Plants 24 MW and Over</u>										
1. Dubossary GES Dniester	47-17 29-06	48	48	48	48	48	48	48	48	48
2. Kishinev PEPs	47-02 28-51	49	74	74	74	74	74	74	74	74
3. Moldavian GPES	45-37 29-56	--	--	--	200	600				
<u>Total in Plants 24 MW and Over</u>		<u>97</u>	<u>122</u>	<u>122</u>	<u>322</u>	<u>722</u>				
<u>Small Plants</u>		207	199	210	210	210	210	210	210	210
<u>Total Capacity in Moldavia</u>		<u>304</u>	<u>321</u>	<u>332</u>	<u>532</u>	<u>932</u>				

25X1A

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S-E-C-R-E-T

IV. Southeast Economic Region

Summary

	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>1970</u>
A. Rostov Power System	713	713	713	713	1,013				
B. All Other	1,007	1,062	1,362	1,812	2,112				
Total in Plants 24 MW and Over	<u>1,720</u>	<u>1,775</u>	<u>2,075</u>	<u>2,525</u>	<u>3,125</u>				
Small Plants	566	578	603	640	640				
Total Capacity in Southeast Economic Region	<u>2,286</u>	<u>2,353</u>	<u>2,678</u>	<u>3,165</u>	<u>3,765</u>				

S-E-C-R-E-T



S-E-C-R-E-T

IV. Southeast Economic Region

	Coordinates	Estimated Capacity at End of Year (Mw)									
		1961	1962	1963	1964	1965	1966	1967	1968	1970	
A. Rostov Power System											
Plants 24 MW and Over:											
1. Kamensk Shakhtlinsk TETs	48-19 40-15	75	75	75	75	75	75	75	75	75	
2. Krasnyy Sulin GRES Nesvetay	47-52 40-01	300	300	300	300	300	300	300	300	300	
3. Novochevchinsk GRES	47-28 40-10*	--	--	--	--	--	--	--	--	300	
4. Rostov TETs	47-13 39-44	24	24	24	24	24	24	24	24	24	
5. Shakhty GRES Artem	47-46 40-18	150	150	150	150	150	150	150	150	150	
6. Tsimlyansk GES	47-36 42-07	164	164	164	164	164	164	164	164	164	
Total		<u>713</u>	<u>713</u>	<u>713</u>	<u>713</u>	<u>713</u>	<u>713</u>	<u>713</u>	<u>713</u>	<u>713</u>	<u>1,013</u>

25X1A



25X1A

\* Approximate coordinates.

S-E-C-R-E-T

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IV. Southeast Economic Region (Cont.)

	Coordinates	Estimated Capacity at End of Year (MW)									
		1961	1962	1963	1964	1965	1966	1967	1968	1970	
B. All Other											
Plants 24 MW and Over											
1. Armevir TETs	45-00 41-08	24	24	24	24	24	24	24	24	24	24
2. Baksan GES	43-39 43-24	25	25	25	25	25	25	25	25	25	25
3. Belorechensk GES	44-48 39-48	48	48	48	48	48	48	48	48	48	48
4. Chiryurt GES	43-09 46-51	70	70	70	70	70	70	70	70	70	70
5. Ezmin GES Dzeudzhikau	42-51 44-38	45	45	45	45	45	45	45	45	45	45
6. Groznyy Novogroz TETs	43-16 45-38	330	330	330	330	330	330	330	330	330	330
7. Groznyy TETs Komintem	43-18 45-40	62	62	62	62	62	62	62	62	62	62
8. Krasnaya Polysna GES	43-41 40-12	25	25	25	25	25	25	25	25	25	25
9. Krasnodar TETs	45-02 39-07	150	150	150	150	150	150	150	150	150	150
10. Krasnodar GES	45-01 38-59	45	45	45	45	45	45	45	45	45	45
11. Makhachkala TETs Kaspiysk	42-53 47-39	36	36	36	36	36	36	36	36	36	36
12. Nevinnomyssk TETs	44-38 41-57	75	75	75	75	75	75	75	75	75	75

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IV. Southeast Economic Region (Cont.)

	Coordinates		Estimated Capacity at End of Year (MW)								
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970
3. Nevinnomyesk GRES	44-37	41-58	--	--	--	300	600				
4. Novorossiysk GRES	44-43	37-47	24	24	24	24	24				
5. Pyatigorsk TETs	44-06	42-56	24	24	24	24	24				
6. Verkhniy Koban Gizeldon GES	42-54	44-28	24	24	24	24	24	24			
7. Yegorlyk GES	45-00	41-42	--	30	30	30	30	30			
Total			<u>1,007</u>	<u>1,062</u>	<u>1,362</u>	<u>1,812</u>	<u>1,812</u>	<u>2,112</u>			

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S-E-C-R-E-T

S-E-C-R-E-T

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V. Transcaucasus Economic Region

	Coordinates		Year								
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970
Armenia											
Plants 24 MW and Over											
1. Atarbekyan GES	40-32	44-46	82	82	82	82	82	82	82	82	
2. Dzora GES	40-57	44-38	24	24	24	24	24	24	24	24	
3. Gyumush GES	40-23	44-37	224	224	224	224	224	224	224	224	
4. Kirovakan TEI's	40-48	44-30**	--	--	--	--	--	--	--	49	
5. Ozernaya Sevan GES	40-33	44-58	34	34	34	34	34	34	34	34	
6. Yerevan Kanaker GES 2	40-13	44-31	88	88	88	88	88	88	88	88	
7. Yerevan Arzni GES	40-17	44-35	70	70	70	70	70	70	70	70	
8. Yerevan GES	40-12	44-30	--	45	45	45	45	45	45	45	
9. Yerevan TEI's	40-11	44-30*	--	--	100	200	200	200	200	400	
Total in Plants 24 MW and Over			<u>522</u>	<u>567</u>	<u>667</u>	<u>767</u>	<u>767</u>	<u>767</u>	<u>1,016</u>		
Small Plants			98	103	105	105	105	105	105	105	
Total Capacity in Armenia			<u>620</u>	<u>670</u>	<u>772</u>	<u>872</u>	<u>872</u>	<u>872</u>	<u>1,121</u>		

\* Approximate coordinates.  
 \*\* Town coordinates.

S-E-C-R-E-T

S-E-C-R-E-T

3. Transcaucasus Economic Region (Cont.)

	Coordinates		Estimated Capacity at End of Year (MW)								
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970
Azerbaijan											
Plants 24 MW and Over											
1. All Beyremly GRES	39-56	48-54	150	300	450	600	750				
2. Baku Severnaya GRES	40-23	49-52	300	300	300	300	300				
3. Baku Krasnaya Zvezda GRES	40-22	49-55	169	169	169	169	169				
4. Baku Krassin GRES	40-20	49-51	91	91	91	91	91				
5. Baku Novo Bakinskiy TETs	40-25	49-50	24	24	24	36	36				
6. Kirovabad TETs	40-41	46-22**	--	--	--	25	50				
7. Mingechaur GRES	40-47	47-02	371	371	371	371	371				
8. Sumgait TETs 1	40-36	49-38	400	450	450	450	450				
9. Sumgait TETs 2	40-36	49-38**	--	--	--	--	50				
Total in Plants 24 MW and Over			<u>1,505</u>	<u>1,705</u>	<u>1,855</u>	<u>2,042</u>	<u>2,267</u>				
Small Plants			455	470	490	515	533				
Total Capacity in Azerbaijan			<u>1,960</u>	<u>2,195</u>	<u>2,345</u>	<u>2,557</u>	<u>2,800</u>				

\*\* Town coordinates

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## F. Transcaucasus Economic Region (Cont.)

Approved For Release 2000/05/15 : CIA-RDP79T01049A003100090001-7

	Coordinates	Estimated Capacity at End of Year (MW)										
		1961	1962	1963	1964	1965	1966	1967	1968	1970		
C. Georgia												
Plants 24 MW and Over												
1. Gumati GES 1	42-18 42-42	44	44	44	44	44	44	44	44	44		
2. Gumati GES 2	42-20 42-45**	56	56	56	56	56	56	56	56	56		
3. Kutaisi Rion GES	42-12 42-44	48	48	48	48	48	48	48	48	48		
4. Ladzhanur GES	42-40 42-46	155	155	155	155	155	155	155	155	155		
5. Rustavi TETs	41-32 45-02	100	100	100	100	100	100	100	100	100		
6. Shaori GES Kutaisi	42-16 42-42	36	36	36	36	36	36	36	36	36		
7. Sukhumi GES	43-00 41-02	24	24	24	24	24	24	24	24	24		
8. Tbilisi GRES	41-28 45-05*	--	--	150	150	300	300	300	300	450		
9. Tkibuli GES	42-22 42-59	56	56	56	56	56	56	56	56	56		
10. Tvercheli GRES	42-50 41-41	124	174	174	174	174	174	174	174	174		
11. Tsalka Khram GES 1	41-33 44-07	113	113	113	113	113	113	113	113	113		
12. Tsalka Khram GES 2	41-32 44-15	--	--	110	110	110	110	110	110	110		
13. Zemo Avchala Zages	41-50 44-46	36	36	36	36	36	36	36	36	36		
Total in Plants 24 MW and Over		792	842	1,152	1,302	1,452	1,452	1,452	1,452	1,452		
Small Plants		176	172	180	190	200						
Total Capacity in Georgia		968	1,014	1,332	1,492	1,652						

\* Approximate coordinates.  
 \*\* Town coordinates.

S-E-C-R-E-T

S-E-O-R-E-F

VI. Volga Economic Region

	COORDINATES		ESTIMATED CAPACITY AT END OF YEAR (MW)								
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970
Plants 24 MW and Over											
1. Astrakhan Astrakres	46-23	48-05	73	98	98	98	98	98			
2. Balakhovo TETs	52-02	47-47		50	100	200	200	200			
3. Kamyshin TETs	50-07	45-24	36	36	36	36	36	36			
4. Kazan TETs 1	55-45	49-08	80	80	80	80	80	80			
5. Kazan TETs 2	55-51	49-04	175	225	225	225	225	225			
6. Kuybyshev TETs Bezinyanka	53-12	50-18	150	150	150	150	150	150			
7. Kuybyshev GRES	53-12	50-06	52	52	52	52	52	52			
8. Kuybyshev GRS (See Zhitkovsk)	54-13	49-36									50
9. Melekes Nuclear Powerplant	53-07	49-56	255	255	255	255	255	255			
10. Novokuybyshev TETs 1	53-07	49-56		50	150	200	200	200			
11. Novokuybyshev TETs 2	51-31	46-02	85	85	85	85	85	85			
12. Saratov GRES	51-30	45-58	37	37	37	37	37	37			

S-E-O-R-E-F

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VI. Volga Economic Region

	Coordinates		Estimated Capacity at End of Year (MW)								
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970
Plants 24 MW and Over											
13. Saratov TETs 2	51-27	45-55	150	150	150	150	150	150	150	150	
14. Saratov Krasnodar TETs	51-27	45-57	25	25	25	25	25	25	25	25	
15. Syzran TETs	53-04	48-24	24	24	24	24	24	24	24	24	
16. Tolyatti TETs	53-32	49-27	100	100	100	100	100	100	100	100	
17. Ulyanovsk TETs	54-19	48-22	48	48	48	48	48	48	48	48	
18. Urussy GRES	54-36	53-23	237	237	237	237	237	237	237	237	
19. Volgograd GES	48-50	44-40	2,415	2,563	2,563	2,563	2,563	2,563	2,563	2,563	
20. Volgograd GRES	48-34	44-27	290	290	290	290	290	290	290	290	
21. Volgograd TETs 2	48-31	44-36	135	135	135	135	135	135	135	135	
22. Volzhsk TETs	48-49	44-44**	--	50	100	150	150	150	150	200	
23. Zeinsk GRES	55-17	52-02	--	--	400	800	800	1,200	1,200	1,200	
24. Zhigulevsk GES in Lenin	53-26	49-29	2,300	2,300	2,300	2,300	2,300	2,300	2,300	2,300	
Total in Plants 24 MW and Over			6,667	7,040	7,640	8,390	8,940	8,940	8,940	8,940	
Small Plants			700	688	729	777	790	790	790	790	
Total Capacity in Volga Economic Region			7,367	7,728	8,369	9,167	9,730	9,730	9,730	9,730	

\*\* Town coordinates.

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S-E-C-R-E-T



S-E-C-R-E-T

VII. Central Economic Region

Summary	Estimated Capacity at End of Year (MW)								
	1961	1962	1963	1964	1965	1966	1967	1968	1970
A. Moscow Power System	4,704	4,904	5,754	6,104	7,204				
B. Center Area	986	1,161	1,211	1,511	2,411				
C. Black Earth Area	1,088	1,138	1,188	1,398	1,398				
D. Volga-Vyat'sk Area	1,512	1,637	1,787	1,887	2,137				
Total in Plants 24 MW and Over	<u>8,290</u>	<u>8,840</u>	<u>9,940</u>	<u>10,900</u>	<u>13,150</u>				
Small Plants	2,578	2,587	2,663	2,778	2,791				
Total Capacity in Central Economic Region	<u>10,868</u>	<u>11,427</u>	<u>12,603</u>	<u>13,678</u>	<u>15,941</u>				

S-E-C-R-E-T

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VII. Central Economic Region

S-E-C-R-E-T

Coordinates	Estimated Capacity at End of Year (MW)								
	1961	1962	1963	1964	1965	1966	1967	1968	1970
N									
E									

A. Moscow Power System

Plants 24 MW and Over

1. Moskva TETs 1  
Smidovich
2. Moskva TETs 2  
Tremvaynaya
3. Moskva TETs 8
4. Moskva TETs 9 VTI
5. Moskva TETs 11  
Stalin
6. Moskva TETs 12  
Frunze
7. Moskva TETs 16  
Leningradskiy
8. Moskva TETs 20  
Kaluzhskaya
9. Moskva TETs 21  
Khovrinsk
10. Moskva TETs 22
11. Moskva TETs ZIL



25X1A

S-E-C-R-E-T

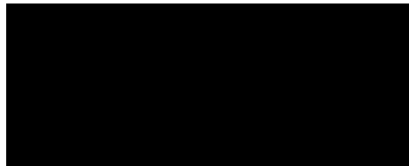
## VII. Central Economic Region (Cont.)

Plants 24 MW and Over	Coordinates		Estimated Capacity at End of Year (MW)									
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970	
12. Moskva Skhodnenskaya GES	55-50	37-26	30	30	30	30	30	30	30	30	30	
13. Aleksin TETs 15	54-30	37-02	150	150	150	150	150	150	150	150	150	
14. Cherepet GRES 19	54-08	36-30	600	600	900	1,200	1,200	1,200	1,200	1,200	1,200	
15. Elektrogorsk Klasson GRES 3	55-53	38-47	71	71	71	71	71	71	71	71	71	
16. Ivankovo GES	56-44	37-07	30	30	30	30	30	30	30	30	30	
17. Kashira Kaganovich Mogres 4	54-51	38-15	214	214	214	214	214	214	214	214	314	
18. Klin TETs	56-20	36-43	30	30	30	30	30	30	30	30	30	
19. Novomoskovsk GRES 10	54-05	38-14	400	400	400	400	400	400	400	400	400	
20. Orekhovo Zuyevo TETs 6	55-48	39-01	50	50	50	50	50	50	50	50	50	
21. Ramenskoye Tsagi TETs	55-36	38-08	100	100	100	100	100	100	100	100	100	
1-22. Rybinsk GES Shcherbakov	58-05	38-49	330	330	330	330	330	330	330	330	330	
23. Shatsk Gas Turbine Powerplant	54-02	41-43	24	24	24	24	24	24	24	24	24	

S-E-C-R-E-T

VII. Central Economic Region (Cont.)

	Coordinates		Estimated Capacity at End of Year (MW)								
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970
Plants 24 MW and Over											
24. Shatura Lenin Mogres 5	55-35	39-34	290	290	290	290	290	290	290	290	290
25. Shchekino GRES 18	53-57	37-39	610	610	610	610	1,010				
26. Shchekino TETs	54-01	37-31	120	120	120	120	120				
27. Stupino TETs 17	54-51	38-10	250	250	250	250	250	250			
28. Tula TETs	54-09	37-43	50	50	50	50	50	50			
29. Uglich GES	57-31	38-18	110	110	110	110	110	110			
Total			<u>4,704</u>	<u>4,904</u>	<u>5,754</u>	<u>6,104</u>	<u>7,204</u>	<u>7,204</u>			



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S-E-C-R-E-T

VII. Central Economic Region (Cont.)

B. Center Area	Coordinates		Estimated Capacity at End of Year (MW)								
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970
1. Doregobuzh GRES	54-59	33-23	100	150	150	150	200				
2. Ivanovo TETs 2	57-00	41-00	150	150	150	150	150				
3. Kalinin TETs 4	56-51	35-58	100	100	100	100	100				
4. Komsomolsk Ivanovo GRES	57-01	40-23	175	175	175	175	175				
5. Konakovo GRES	56-42	36-46	--	--	--	300	900				
6. Novo Vladimir TETs 2	56-10	40-25	--	50	100	100	200				
7. Pyazan Novoryazan TETs	54-35	39-49	75	100	100	100	200				
8. Yaroslavl Yarak Combine TETs	57-39	39-53	250	250	250	250	250				
9. Yaroslavl YAZ TETs	57-39	39-51	50	50	50	50	50				
10. Yaroslavl TETs 3	57-31	39-47	50	100	100	100	150				
11. Yaroslavl GRES	57-37	39-57	36	36	36	36	36				
Total			986	1,161	1,211	1,511	2,411				

25X1A

\*\* Town coordinates.

USSR - Central Economic Region (cont.)

Coordinates	Estimated Capacity at End of Year (MW)								
	1961	1962	1963	1964	1965	1966	1967	1968	1970
C. Black Earth Area									
Plants 24 MW and Over									
1. Bezhitsa TETs Kr Prof Loco	44	44	44	44	44	44	44	44	44
2. Bryansk GRES Belyye Berega	82	82	82	82	82	82	82	82	82
3. Gubkin TETs	48	48	48	48	48	48	48	48	48
4. Kotovsk GRES Kras Bolsh 204	48	48	48	48	48	48	48	48	48
5. Kursk TETs	100	150	200	200	200	200	200	200	200
6. Lipetsk TETs	124	124	124	124	124	124	124	124	124
7. Orel TETs	32	32	32	32	32	32	32	32	32
8. Penza TSES Municipal	87	87	87	87	87	87	87	87	87
9. Penza TETs 1	124	124	124	124	124	124	124	124	124
10. Penza TETs 2	24	24	24	24	24	24	24	24	24
11. Tambov TETs	50	50	50	50	50	50	50	50	50
12. Voronezh GRES	325	325	325	325	325	325	325	325	325
13. Voronezh Nuclear Powerplant	-	-	-	210	210	210	210	210	210
Total	1,088	1,138	1,188	1,398	1,398	1,398	1,398	1,398	1,398

\*\* Town coordinates.

S-E-C-R-E-T

VII. Central Economic Region (Cont.)

	Coordinates	Estimated Capacity at End of Year (MW)										
		1961	1962	1963	1964	1965	1966	1967	1968	1970		
D. <u>Volga-Vyatsk Area</u>												
<u>Plants 24 MW and Over</u>												
1. Balakhna Gorkiy GRES	56-30 43-35	259	259	259	259	259	259	259	259	259		
2. Cheboksary TETs	56-09 47-15	50	100	100	100	100	100	100	100	150		
3. Dzerzhinsk TETs Igumovo	56-15 43-37	200	200	200	200	200	200	200	200	200		
4. Dzerzhinsk TETs	56-15 43-29**	--	50	50	100	100	100	100	100	150		
5. Gorkiy TETs Molotov 1	56-15 43-54	149	149	149	149	149	149	149	149	149		
6. Gorkiy Novogorkovskaya TETs	56-10 44-10	100	100	150	150	150	150	150	150	200		
7. Gorodets Gorkovskaya GES	56-39 43-23	400	400	400	400	400	400	400	400	400		
8. Kirov TETs 3 Chepetskiy	58-34 50-00	237	237	237	237	237	237	237	237	237		
9. Kirov TETs 4	58-37 49-36	--	--	50	50	50	100	100	100	150		
10. Saransk TETs 2	54-11 45-12	75	100	150	150	150	150	150	150	200		
11. Sarova TETs	54-55 43-20	42	42	42	42	42	42	42	42	42		
Total		1,512	1,637	1,787	1,887	1,887	1,887	1,887	1,887	2,137		

25X1A

25X1A

\*\* Town coordinates.

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VIII. Urals Economic Region

Summary	Estimated Capacity at End of Year (MW)									
	1961	1962	1963	1964	1965	1966	1967	1968	1970	
A. Bashkir Power System	1,157	1,367	1,467	1,567	1,667					
B. Chelyabinsk Power System	2,545	2,595	2,675	2,750	3,350					
C. Perm Power System	1,210	1,210	1,410	1,735	1,960					
D. Sverdlovsk Power System	3,011	3,211	3,211	3,911	3,911					
E. All Other	790	1,290	1,790	2,040	2,140					
Total in Plants 24 MW and Over	<u>8,713</u>	<u>9,673</u>	<u>10,553</u>	<u>12,003</u>	<u>13,028</u>					
Small Plants	1,777	1,803	1,849	1,955	1,972					
Total Capacity in Urals Region	<u>10,490</u>	<u>11,476</u>	<u>12,402</u>	<u>13,958</u>	<u>15,000</u>					

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## VIII. Urels Economic Region

Approved For Release 2000/05/15 : CIA-RDP79T01049A003100090001-7

	Coordinates	Estimated Capacity at End of Year (MW)									
		1961	1962	1963	1964	1965	1966	1967	1968	1970	
<b>A. Baskhir Power System</b>											
<b>Plants 24 MW and Over</b>											
1. Pavlovsk Ufa GES	55-25 56-32*	214	214	214	214	214	214	214	214	214	214
2. Salavat TETs	53-23 55-54	250	250	250	300	300	300	300	300	300	300
3. Novo Salavat TETs	53-24 55-54*	--	50	50	100	150	200	200	200	200	200
4. Sterlitamak TETs New	53-38 55-57	150	200	200	200	250	250	250	300	300	300
5. Ufa TETs Municipal	54-44 55-56*	25	25	25	25	25	25	25	25	25	25
6. Ufa TETs	54-47 56-07	50	50	50	50	50	50	50	50	50	50
7. Ufa Refinery TETs	54-50 56-06	43	43	43	43	43	43	43	43	43	43
8. Ufa Novoufimskaya TETs 3	54-51 56-03	120	170	170	170	170	170	170	170	170	170
9. Ufa TETs 4	54-52 56-03	180	240	240	240	240	240	240	240	240	240
10. Yermolaevka TETs Kumertau	52-47 55-47	125	125	125	125	125	125	125	125	125	125
Total		1,157	1,367	1,467	1,467	1,567	1,567	1,567	1,667	1,667	1,667

\* Approximate coordinates.

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25X1A

VIII. Ural Economic Region (Cont.)

B. Chelyabinsk Power System

Plants 24 MW and Over

	Coordinates	Estimated Capacity at End of Year (MW)									
		1961	1962	1963	1964	1965	1966	1967	1968	1969	1970
1. Argeyash TETs	55-37 60-46*	250	250	250	250	250	250	250	250	250	250
2. Chelyabinsk GRES	55-12 61-24	150	150	150	150	150	150	150	150	150	150
3. Chelyabinsk TETs Bakalstroy	55-15 61-27	85	85	85	115	140	140	140	140	140	140
4. Chelyabinsk TETs	55-08 61-29	300	300	300	300	300	300	300	300	300	300
5. Chelyabinsk TETs 2	55-10 61-24**	-	-	50	50	100	100	100	100	100	100
6. Magnitogorsk TETs	53-26 59-02	223	223	223	223	223	223	223	223	223	223
7. Magnitogorsk TETs Blast	53-24 59-02	50	50	50	50	50	50	50	50	50	50
8. Magnitogorsk TETs 3	53-24 59-02	150	150	150	200	200	200	200	200	200	200
9. Troitsk GRES	54-06 61-34	300	300	300	300	300	300	300	300	300	300
10. Yuryuzan GRES	54-51 58-26**	37	37	37	37	37	37	37	37	37	37
11. Yuzhnouralskiy GRES	54-27 61-15*	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Total		2,545	2,595	2,675	2,675	2,750	2,750	2,750	2,750	2,750	3,350

\* Approximate coordinates.  
\*\* Town coordinates.

S-E-C-R-E-T

III. Ural Economic Region (Cont.)

Coordinates

N E

C. Perm Power System

Plants 24 MW and Over



	1961	1962	1963	1964	1965	1966	1967	1968	1970
1. Berezniki TETs	105	105	105	105	105	105	105	105	105
2. Berezniki TETs BMZ	100	100	100	100	100	100	100	100	100
3. Gubakha Kizel GRES	98	98	98	98	98	98	98	98	98
4. Krasnokamsk TETs 5 Zakam	175	175	175	175	175	175	175	175	175
5. Perm Kamskaya GES	504	504	504	504	504	504	504	504	504
6. Perm TETs 9	150	200	200	200	200	200	200	200	200
7. Perm TETs New	--	--	--	--	50	50	50	50	50
8. Shirokovskaya GES	28	28	28	28	28	28	28	28	28
9. Solikamsk TETs 11	50	50	50	50	50	50	50	50	50
10. Yayva GRES	--	--	150	450	600	600	600	600	600
Total	1,210	1,210	1,410	1,735	1,960	1,960	1,960	1,960	1,960

25X1A

\* Approximate coordinates.  
\*\* Town coordinates.

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VIII. Urals Economic Region (Cont.)

	Coordinates	Estimated Capacity at End of Year (MW)								
		1961	1962	1963	1964	1965	1966	1967	1968	1970
D. Sverdlovsk Power System										
Plants 24 MW and Over										
1. Artemovskiy Yegorshino GRES	57-20 61-54	46	46	46	46	46	46	46	46	
2. Beloyarsk Nuclear Powerplant	56-49 61-21	--	--	--	100	100	100	100	100	
3. Kamensk Ural'skiy Krasnog TET's	56-22 61-59	350	350	350	350	350	350	350	350	
4. Krasnoturinsk Bogoslavsk TET's	59-47 60-11	175	175	175	175	175	175	175	175	
5. Nizhniy Tagil Kegenovich TET's	57-56 60-06	100	100	100	100	100	100	100	100	
6. Nizhniy Tagil TET's Novo Tagil	57-55 60-01	87	87	87	87	87	87	87	87	
7. Nizhnyaya Tura GRES	58-37 59-52	530	530	530	530	530	530	530	530	
8. Serov GRES	59-37 60-47	600	600	600	600	600	600	600	600	
9. Serov TSES	59-35 60-36	60	60	60	60	60	60	60	60	
10. Sverdlovsk Sredne Ural'sk GRES	57-00 60-28	235	235	235	235	235	235	235	235	
11. Sverdlovsk Uralmash TET's	56-52 60-36	28	28	28	28	28	28	28	28	
12. Verkhne Tagil GRES	57-21 59-56	800	1,000	1,000	1,600	1,600	1,600	1,600	1,600	
Total		<u>3,011</u>	<u>3,211</u>	<u>3,211</u>	<u>3,911</u>	<u>3,911</u>	<u>3,911</u>	<u>3,911</u>	<u>3,911</u>	

\* Approximate coordinates.  
\*\* Town coordinates.

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S-E-C-R-E-T

USSR, Ural Economic Region (Continued)

	Coordinates		Estimated Capacity at End of Year (MW)								
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970
5. <u>ALL Other</u>											
<u>Plants 24 MW and Over</u>											
1. Glazov TETs	58-09	52-40	70	70	70	70	70	70	70		
2. Izhevsk TSES	56-51	53-10	48	48	48	48	48	48	48		
3. Kurgan TETs	55-26	65-20	75	125	175	275	275	275	275		
4. Orsk TETs 1	51-15	58-31	154	204	204	254	254	254	254		
5. Orsk TETs Novo Troitsk	51-13	58-22	100	100	100	150	150	150	200		
6. Sarapul GRES	56-29	53-48	24	24	24	24	24	24	24		
7. Terekla Irikliinskaya GES	51-41	58-38	45	45	45	45	45	45	45		
8. Tyumen TETs	57-09	65-36	50	50	100	150	150	200	200		
9. Votkinsk GES (Saygatka)	56-46	54-05*	200	600	1,000	1,000	1,000	1,000	1,000		
10. Votkinsk TETs	57-03	53-59	24	24	24	24	24	24	24		
Total			790	1,290	1,790	2,040	2,040	2,140	2,140		

25X1A

\* Approximate coordinates.

S-E-C-R-E-T

S-E-C-R-E-T

IX. West Siberia Economic Region

	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>1970</u>
<u>Summary</u>									
A. Kuznetsk Power System	1,811	1,861	2,161	3,061	3,561				
B. All Other	3,107	3,207	3,407	3,607	3,607				
Total in Plants 24 MW and Over	<u>4,918</u>	<u>5,068</u>	<u>5,568</u>	<u>6,668</u>	<u>7,168</u>				
Small Plants	1,344	1,578	1,850	2,151	2,200				
Total Capacity in West Siberia	<u>6,262</u>	<u>6,646</u>	<u>7,418</u>	<u>8,819</u>	<u>9,368</u>				

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IX. West Siberia Economic Region

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A. Kuznetsk Power System  
(Kemerovo Oblast)

Plants 24 MW and Over

1. Belovo GRES
2. Kaltan Yuzhno Kuzbass GRES
3. Kemerovo Novokem TETs
4. Kemerovo TETs 2
5. Kemerovo GRES Northwest
6. Myski Tomusinskaya GRES
7. Novokuznets Aluminum TETs
8. Novokuznets Mtlg. Combine TETs
9. Novokuznets West Siberia Mtlg. Combine TETs

Total

	Coordinates		Estimated Capacity at End of Year (MW)								
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970
1. Belovo GRES	54-26	86-25	---	---	---	400	600				
2. Kaltan Yuzhno Kuzbass GRES	53-31	87-16	500	500	500	500	500				
3. Kemerovo Novokem TETs	55-21	86-00*	61	111	161	211	261				
4. Kemerovo TETs 2	55-22	86-04	200	200	200	200	200				
5. Kemerovo GRES Northwest	55-24	85-59	50	50	50	50	50				
6. Myski Tomusinskaya GRES	53-40	87-49	500	500	700	1,100	1,300				
7. Novokuznets Aluminum TETs	53-46	87-15	300	300	300	300	300				
8. Novokuznets Mtlg. Combine TETs	53-46	87-05	200	200	200	200	200				
9. Novokuznets West Siberia Mtlg. Combine TETs	53-54	87-15	---	---	50	100	150				
Total			<u>1,811</u>	<u>1,861</u>	<u>2,161</u>	<u>3,061</u>	<u>3,561</u>				

\* Approximate coordinates.

S-E-C-R-E-T

IX. West Siberia Economic Region (Cont.)

	Coordinates		Estimated Capacity at End of Year (MW)								
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970
B. All Other											
Plants 24 MW and Over											
1. Berabinsk GRES	55-27	78-22	300	300	300	300	300	300			
2. Bernal TETs 2	53-22	83-46	120	120	170	220	220	220			
3. Biysk TETs	52-31	85-10	90	90	90	90	90	90			
4. Novosibirsk GES	54-51	83-00	400	400	400	400	400	400			
5. Novosibirsk TETs 2	55-00	82-52	175	225	275	275	275	275			
6. Novosibirsk TETs 3	55-00	82-50	200	200	200	200	200	200			
7. Novosibirsk TETs 4	55-06	82-59	125	125	125	125	125	125			
8. Omsk TETs 2	54-56	73-24	90	90	90	90	90	90			
9. Omsk TETs 3	55-04	73-16	350	400	400	450	450	450			
10. Rubtsovsk TETs	51-30	81-15**	33	33	33	33	33	33			
11. Tomsk North	56-37	84-48	700	700	700	700	700	700			
12. Tomsk GRES 2	56-28	84-60	324	324	324	324	324	324			
13. Tomsk Nuclear Powerplant	56-37	84-54	200	200	300	400	400	400			
Total			3,107	3,207	3,407	3,607	3,607	3,607			

\*\* Town coordinates

S-E-C-R-E-T



X. Central Asia Economic Region

	Coordinates		Estimated Capacity at End of Year (MW)								
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970
A. <u>Kazakhstan</u>											
<u>Plants 24 MW and Over</u>											
1. Aktyubinsk Ferro TETs	50-20	57-09	100	100	100	100	125				
2. Alma Ata TETs	43-17	76-56	62	62	62	62	62				
3. Alma Ata GRES	43-24	77-00*	--	100	100	100	150				
4. Arkalyk TETs Turgay	50-13	66-50	--	--	24	24	24				
5. Atasyskaya TETs	48-33	71-35*	25	50	50	50	50				
6. Balkhash TETs	46-50	74-58	110	150	210	210	210				
7. Chadarinsk GES	41-17	67-55	--	--	--	--	50				
8. Dzhambul TETs 2	42-52	71-23**	--	--	50	50	50				
9. Dzhekazgan Kingir TETs	47-47	67-44	150	175	200	200	200				
10. Guryev TETs	47-07	51-55**	--	--	50	50	50				
11. Kentau TETs	43-31	68-34	48	48	48	48	48				
12. Kyzyl Orda TETs	44-50	65-30**	--	--	--	24	48				
13. Leningorsk TETs 2	50-22	83-32	150	150	150	150	150				

X. Central Asia Economic Region (Cont.)

A. Kazakhstan (Cont.)

	Coordinates		Estimated Capacity at End of Year (MW)								
	N	E	1961	1962	1963	1964	1965	1966	1967	1968	1970
4. Pavlodar TETs 1	52-17	76-57**	--	--	--	100	150				
5. Pavlodar TETs 2	52-17	76-58	50	50	100	100	100				
6. Pavlodar TETs 3	52-17	76-57**	--	--	--	--	50				
7. Petropavlovsk TETs 1	54-55	69-10*	--	--	100	100	100				
8. Petropavlovsk TETs 2	54-55	69-10*	50	100	150	200	250				
9. Rudnyy Sokolovskaya TETs	52-57	63-07	25	50	50	75	75				
10. Sogrinskaya TETs	50-00	82-40*	50	100	100	100	100				
11. Temir Tau KMZ TETs	50-05	72-56	150	150	150	150	150				
12. Temir Tau Kar GRES 1	50-05	72-56	400	400	400	400	400				
13. Toper Kar GRES 2 Zhertast	49-31	72-39	--	150	200	300	500				
14. Ulbinskaya GES	50-12	83-33	27	27	27	27	27				
15. Ural'sk TETs	51-12	51-22**	24	24	24	24	24				
16. Ust Bukhtarma GES	49-36	83-32**	450	450	450	525	600				
17. Ust Kemenogorsk Irtysk GES	49-54	82-44	300	300	300	300	300				
18. Ust Kamenogorsk TETs	49-56	82-36	50	50	50	50	50				
Total in Plants 24 MW and Over			2,221	2,696	3,045	3,419	3,993				
Small Plants			1,153	1,304	1,593	1,718	1,618				
Total Capacity in Kazakh			3,374	4,000	4,638	5,137	5,611				
*Approximate coordinates			S-E-C-R-E-T								
**Approximate coordinates			= 21 =								

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3. Central Asia Economic Region (cont.)

Estimated Capacity at End of Year (MW)

Year	1961	1962	1963	1964	1965	1966	1967	1968	1970
------	------	------	------	------	------	------	------	------	------

3. Uzbek

Plants 24 MW and Over

Plant Name	Coordinates	1961	1962	1963	1964	1965	1966	1967	1968	1970
1. Almalyk THER	40-49 69-38**	24	24	24	24	24	24	24	24	24
2. Angren GRES	41-00 70-08	400	500	600	600	600	600	600	600	600
3. Begovat Farkhad GES	40-13 69-09	134	134	134	134	134	134	134	134	134
4. Chirchik Verkhne Koms GES	41-30 69-37	86	86	86	86	86	86	86	86	86
5. Chirchik Tavak Sai GES	41-34 69-40	74	74	74	74	74	74	74	74	74
6. Fergana Refinery THER 2	40-27 71-48	100	100	150	150	150	150	150	150	200
7. Kuvasay GRES	40-17 72-00	36	36	36	36	36	36	36	36	36
8. Navoi GRES	40-09 65-22*	--	--	50	200	200	200	200	200	350
9. Pakhia Tash THER	42-21 59-35	12	24	36	48	48	48	48	48	48
10. Tashkent THER	41-16 69-15	68	68	68	68	68	68	68	68	68
11. Tashkent GRES	41-20 69-18**	--	--	150	300	300	300	300	300	600
<b>Total in Plants 24 MW and Over</b>		<b>934</b>	<b>1,046</b>	<b>1,408</b>	<b>1,720</b>	<b>1,720</b>	<b>1,720</b>	<b>1,720</b>	<b>1,720</b>	<b>2,217</b>

Small Plants

Total Capacity in Uzbek

\* Approximate coordinates.  
\*\* Town coordinates.

25X1A

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25X1A

2. Central Asia Economic Region (Contd.)

Coordinates	Estimated Capacity at End of Year (MW)								
	1961	1962	1963	1964	1965	1966	1967	1968	1970
N									
E									

C. Kirgiz

Plants 24 MW and Over

1. Frunze WELs	42-52	74-44	25	50	200	200	200	300
2. Osh WELs	40-32	72-48**	-	-	-	-	-	25
3. Uch Kurgan GES	41-11	72-10	45	180	180	180	180	180
Total in Plants 24 MW and Over	70	230	380	380	380	380	505	505
Small Plants	280	285	290	295	295	295	300	300
Total Capacity in Kirgiz	350	515	670	675	675	675	805	805

25X1A

\*\* Town coordinates.

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25X1A

SECRET

2. Central Asia Economic Region (Coord: [redacted])

Coordinates  
N E

Estimated Capacity at End of Year (MW)

1961 1962 1963 1964 1965 1966 1967 1968 1970

3. Tadzhik

Plants 24 MW and Over

1. Dushambe TTEs	38-33	68-47	37	62	68	118	218	
2. Golovnaya GES	38-02	69-03	--	70	210	210	210	
3. Kairak Kum GES	40-17	69-49	126	126	126	126	126	
4. Oktyabrsk Perepadnaya GES	37-45	68-48**	30	30	30	30	30	
Total in Plants 24 MW and Over			193	288	434	484	584	
Small Plants			187	212	221	231	241	
Total Capacity in Tadzhik			380	500	655	715	825	

25X1A

\*\* Town coordinates.

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2. Turkmen

Plants 24 MW and Over

	1961	1962	1963	1964	1965	1966	1967	1968	1970
1. Ashkhabad Kazmin GRES	38-03	58-11	36	86	86	136	186		
2. Chardzhou WEPs	39-06	63-34	24	24	36	36	36		
3. Krasnovodsk WEPs 1	40-01	52-57	35	35	35	35	35		
4. Krasnovodsk WEPs 2	40-00	53-00					50		
5. Nebit Dag GRES	39-30	54-22					24		
Total in Plants 24 MW and Over			95	142	157	219	331		
Small Plants		200	240	260	280				
Total Capacity in Turkmen		295	397	479	611				

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XI. East Siberia Economic Region

	Estimated Capacity at End of Year (MW)								
<u>Summary</u>	<u>1961</u>	<u>1962</u>	<u>1963</u>	<u>1964</u>	<u>1965</u>	<u>1966</u>	<u>1967</u>	<u>1968</u>	<u>1970</u>
A. Irkutsk Power System	2,813	4,338	5,738	5,900	5,987				
B. All Other	1,143	1,776	2,101	2,401	2,612				
Total Capacity in Plants 24 MW and Over	<u>3,956</u>	<u>6,114</u>	<u>7,839</u>	<u>8,301</u>	<u>8,599</u>				
Small Plants	1,414	1,418	1,445	1,521	1,546				
Total Capacity in East Siberia	<u>5,370</u>	<u>7,532</u>	<u>9,284</u>	<u>9,822</u>	<u>10,145</u>				

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East Siberian Economic Region

Coordinates

Satellite Capacity at End of Year (MW)

1961 1962 1963 1964 1965 1966 1967 1968 1970

A. Irkutsk Power System

Plants 24 MW and Over

1.	Angarsk TETs 1	52-34	103-56	300	300	300	300	300	300	
2.	Angarsk Sukhovskaya TETs	52-30	103-55	850	1,000	1,000	1,000	1,000	1,000	
3.	Angarsk Refinery TETs 9	52-35	103-54**	--	--	50	100	100	100	
4.	Baikalak TETs	51-31	104-05	--	--	--	--	--	25	
5.	Bratsk GES	56-18	101-47	900	2,250	3,600	3,600	3,600	3,600	
6.	Bratsk TETs	56-00	101-00	--	--	--	50	100	100	
7.	Irkutsk Angarsk GES	52-14	104-19	660	660	660	660	660	660	
8.	Irkutsk TETs 2	52-17	104-16	28	28	28	28	28	28	
9.	Korskunovo TETs	56-34	104-09**	--	--	--	12	24	24	
10.	Usolye TETs New	52-45	103-40	75	100	100	150	150	150	
	<u>Total</u>			<u>2,813</u>	<u>4,338</u>	<u>5,738</u>	<u>5,900</u>	<u>5,987</u>	<u>5,987</u>	

25X1A

\*\* Town coordinates.

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Estimated Capacity at End of Year (MW)

1961 1962 1963 1964 1965 1966 1967 1968

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Coordinates  
N E

B. All Other

Plants 24 MW and Over

1. Bayangoi TETEs	50-44	103-27**	25	25	25	25	25	25
2. Chita TETEs	52-01	113-31	26	26	26	26	26	26
3. Chita GRES	52-02	113-25	--	--	--	--	--	25
4. Chulman TETS	56-52	124-52**	--	12	12	12	12	24
5. Kholbon TSES	51-53	116-15	22	25	25	25	25	25
6. Krasnoyarsk TETEs	56-02	93-03	424	424	424	424	424	424
7. Krasnoyarsk GRS	56-19	93-36*	--	--	--	--	--	--
8. Mamakan GRS	57-49	114-03	44	88	88	88	88	88
9. Nazarovo GRES	56-02	90-20	150	450	600	750	900	900
10. Norilsk TETS	69-22	88-11	240	340	340	440	440	440
11. Novo Tsarukhneytuy Nerchinsk TETEs	50-24	119-06**	12	36	36	36	36	36
12. Selanga TETEs	52-02	106-52**	--	--	--	--	--	24
13. Sherloveya Goya TETEs	50-39	116-19*	24	24	24	24	24	24
14. Ulan Ude TETEs Loco	51-50	107-37	76	76	101	151	151	151
15. Zaozeruy GRES	56-09	94-29	100	250	400	400	400	400
Total			1,142	1,776	2,101	2,401	2,612	2,612

\* Approximate coordinates.

\*\* Town coordinates.

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Far East Economic Region

1961 1962 1963 1964 1965 1966 1967 1968 1969

25X1A

Plants 24 MW and Over

1. Amursk TETs	50-17 136-50*								25
2. Artem Kirova GRES	43-22 132-18	97	97	197	297				297
3. Khabarevsk TETs	48-25 135-07	180	180	180	230				230
4. Komsomolek Amurstal TETs	50-34 136-58	100	100	150	200				200
5. Komsomolek Zayed 199 TETs	50-33 137-02	24	24	36	36				36
6. Myaunzha Arkagala GRES	63-00 147-50*	58	58	70	82				82
7. Petropavlovsk TETs	53-01 158-39**								24
8. Reychikhinsk TETs	49-47 129-26	47	47	59	59				159
9. Spassk Dalniy TSES	44-34 132-47	30	30	30	30				30
10. Suchan GRES	43-07 133-07	90	90	90	90				90
11. Yuzhno Sakhalinsk GRES	49-00 142-58**								50
25X1A									
Total in Plants 24 MW and Over		626	626	812	1,024	1,225			
Small Plants		767	779	824	870	883			
Total Capacity in Far East Region		1,393	1,405	1,636	1,894	2,108			

\* Approximate coordinates.  
\*\* Town coordinates.

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NAME OF PLANT NAME	YEAR	NAME OF PLANT NAME	YEAR	NAME OF PLANT NAME	YEAR
Albatov	15	Artem ORES	25	Berkovsk	42
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Alkassakalya	22	Arzav ORES	29	Begovat	43
Aleksin	36	Ashkhabad	55	Belomorsk	41
All Bayramly	30	Astrakhan	32	Belorechensk	47
Alma Ats	50	Atarbekyan	29	Belovo	48
Almalyk	52	Atamyskaya TETS	50	Beloyarsk	45
Amursk	59	Azovstal TETS	21	Belye Berega ORES	49
Angarsk	57	Baikalsk	57	Berezniiki	44
Angren	52	Batalstroy TETS	43	Berezova	44
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Cherkassy IZHS 2	40	Dorogobuzh	38	Golovnaya GSS	22
Cherkasov	36	Dubosary	24	Gorbly	24
Cherkasovs	13	Dubrovka	7	Gorodets	24
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NAME OF PLANT NAME	TYPE OF PLANT NAME	TYPE OF PLANT NAME	TYPE OF PLANT NAME	TYPE OF PLANT NAME
NAME OF PLANT NAME	TYPE OF PLANT NAME	TYPE OF PLANT NAME	TYPE OF PLANT NAME	TYPE OF PLANT NAME
Ижевский ЦЭС	Безызов	Безызов	32	Шерлово
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Июль	Белый	Белый	37	Стерлитамск
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