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13 JUN 1975

MEMORANDUM FOR: CRS/ADD Release

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1. It is requested that the attached copy of subject report be forwarded as follows:

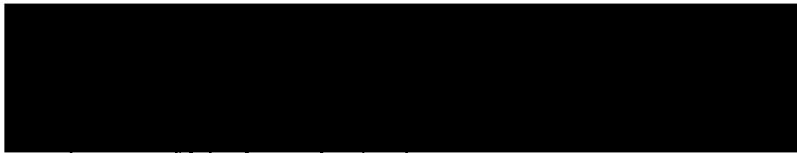
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2. All OER responsibilities as defined in the DDI memorandum of 13 August 1952, "Procedures for Dissemination of Finished Intelligence to Foreign Governments," as applicable to this report have been fulfilled.

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Chief, St/P/C/ER

1 Attachment

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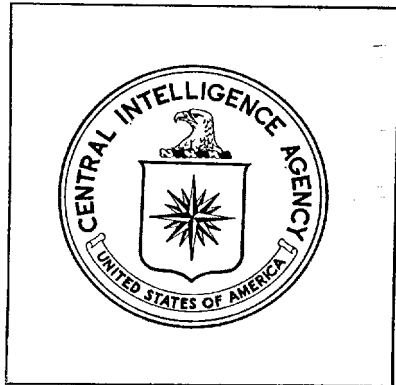
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*USSR: Distribution of Electric
Power Capacity, 1970-75*

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ER RP 75-14

May 1975

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NATIONAL SECURITY INFORMATION
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§ 5B(1), (2), and (3)
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date impossible to determine

USSR: DISTRIBUTION OF ELECTRIC POWER CAPACITY
1970-75

FOREWORD

This research project lists all known Soviet electric powerplants of 24 megawatts (MW) and over and gives the estimated installed capacity of each plant at the end of each year from 1970 through 1975. The list is organized geographically by economic region, with a subdivision for each Union Republic, Oblast, Kray, or other regional division.

The capacity of individual powerplants was estimated on the basis of all information available as of 31 March 1975. Sources used in making estimates include Soviet books, periodicals, newspapers, and radiobroadcasts; observation reports from defectors, travelers, and exchange delegations; and photographs. Estimates of new additions to capacity at individual powerplants in 1975 are based on Soviet plans.

Yearend capacities have been estimated for each Union Republic and each economic region for 1970-75. These estimates include small powerplants, as well as plants of 24 MW and over. The total capacity for each Republic and economic region at the end of 1970 was published in a Soviet source, *Elektro-energeticheskaya baza ekonomicheskikh rayonov SSSR*, Moscow, 1974.* The total installed capacity in the RSFSR, in Eastern Regions, in the Urals Region, and in a few of the Union Republics has also been published for some years, in *Narodnoye khozyaystvo SSSR v 1973 godu*, Moscow 1974; *Narodnoye khozyaystvo RSFSR v 1973 godu*, Moscow, 1974; *Narodno gospodarstvo Ukrainskoy RSR v 1972*, Kiev, 1973; *Narodnoye khozyaystvo Latviiskoi SSR v 1972 godu*, Riga, 1973; *Ekonomiki i kultura Litovskoi SSR*, Vilnyus, 1972, and in the *Annual Bulletin of Electric Energy Statistics for Europe*, 1973.

* The 12 economic regions into which plants have been grouped are in accordance with presentation of data in the above source (see the map). This is an amalgamation of the 19 economic regions as shown in *Ekonomicheskaya geografiya SSSR - chast 2, ekonomicheskaya rayoni*, Yu. G. Saushkin, Moscow, 1973.

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Note: This research project was prepared by the Resources Branch, USSR/Eastern Europe Division, Office of Economic Research, CIA, and has not been coordinated with other intelligence components. Comments and queries are welcomed. They may be directed to [REDACTED] Code 143, Extension 6716.

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Estimates of total capacity, by region, were based primarily on information concerning capacity installed at large powerplants. However, the following factors were also taken into consideration: total new capacity installed in the USSR during the year; capacity at old powerplants taken out of service in the USSR during the year; information on new small generating units put into operation in remote areas; and new high voltage transmission lines for exchange of electric power between regions.

The list is presented in such a form that it can be revised and updated through 1980, as new information becomes available and as new capacity is put into operation. An index listing powerplants alphabetically by the official Soviet designation or by town name is also appended.

The following Soviet abbreviations are used to indicate the type of powerplant:

GRES - State regional thermal powerplant

TETs - Heat and powerplant

GES - Hydroelectric powerplant

AES - Nuclear powerplant

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Capacity of Electric Powerplants in the USSR

Summary

| Region | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
|---|---------------|---------------|---------------|---------------|---------------|---------------|------|------|------|------|------|
| I. Northwest Economic Region | | | | | | | | | | | |
| A. Leningrad Power System | 4,168 | 4,464 | 4,514 | 4,875 | 5,980 | 7,355 | | | | | |
| B. Murmansk Oblast | 2,000 | 1,990 | 2,158 | 2,573 | 3,031 | 3,020 | | | | | |
| C. Karelian ASSR | 700 | 740 | 745 | 740 | 740 | 740 | | | | | |
| D. North Area | 1,635 | 1,835 | 1,895 | 1,895 | 1,965 | 1,985 | | | | | |
| II. West Economic Region | 9,194 | 10,159 | 11,222 | 11,941 | 12,565 | 13,055 | | | | | |
| A. Belorussian SSR | 3,676 | 4,110 | 4,463 | 4,987 | 5,425 | 5,670 | | | | | |
| B. Estonian SSR | 2,650 | 2,866 | 3,262 | 3,460 | 3,455 | 3,455 | | | | | |
| C. Latvian SSR | 1,154 | 1,151 | 1,150 | 1,149 | 1,340 | 1,585 | | | | | |
| D. Lithuanian SSR | 1,474 | 1,782 | 2,082 | 2,080 | 2,080 | 2,080 | | | | | |
| E. Kaliningrad Oblast | 240 | 250 | 265 | 265 | 265 | 265 | | | | | |
| III. South Economic Region | 29,571 | 32,558 | 34,818 | 37,244 | 38,715 | 40,820 | | | | | |
| A. Ukraine SSR | 27,889 | 30,666 | 32,923 | 35,160 | 36,435 | 38,540 | | | | | |
| B. Moldavian SSR | 1,682 | 1,892 | 1,895 | 2,084 | 2,280 | 2,280 | | | | | |
| IV. North Caucasus Economic Region | 6,569 | 6,880 | 7,445 | 7,540 | 8,250 | 9,550 | | | | | |
| A. Rostov Power System | 2,584 | 2,860 | 3,160 | 3,160 | 3,320 | 3,320 | | | | | |
| B. All Other | 3,985 | 4,020 | 4,285 | 4,380 | 4,930 | 6,230 | | | | | |

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Capacity of Electric Power Plants in the USSR, 1970-1975
(continued)

| Region | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
|----------------------------------|---------|---------|---------|---------|---------|---------|------|------|------|------|------|
| V. Transcaucasus Economic Region | 6,512 | 7,429 | 7,919 | 7,885 | 8,135 | 8,435 | | | | | |
| A. Armenian SSR | 1,707 | 2,122 | 2,297 | 2,270 | 2,470 | 2,720 | | | | | |
| B. Azerbaidzhan SSR | 2,741 | 2,840 | 2,910 | 2,890 | 2,940 | 2,990 | | | | | |
| C. Georgian SSR | 2,064 | 2,467 | 2,712 | 2,725 | 2,725 | 2,725 | | | | | |
| VI. Volga Economic Region | 17,390 | 18,705 | 19,535 | 20,195 | 20,435 | 20,855 | | | | | |
| VII. Central Economic Region | 20,727 | 21,915 | 23,688 | 25,672 | 26,510 | 27,860 | | | | | |
| A. Central Region | 15,526 | 16,299 | 17,629 | 19,592 | 20,430 | 21,630 | | | | | |
| B. Volga-Vyatsk Region | 3,018 | 3,016 | 3,019 | 3,060 | 3,060 | 3,110 | | | | | |
| C. Central-Black Earth Region | 2,183 | 2,600 | 3,040 | 3,020 | 3,020 | 3,120 | | | | | |
| VIII. Urals Economic Region | 17,700 | 16,945 | 17,850 | 17,955 | 19,170 | 19,560 | | | | | |
| IX. West Siberia Economic Region | 12,000 | 11,970 | 12,595 | 13,295 | 13,685 | 14,175 | | | | | |
| X. Central Asia | 15,988 | 16,795 | 18,115 | 19,615 | 20,841 | 23,095 | | | | | |
| A. Kazakhstan SSR | 8,760 | 9,155 | 9,301 | 9,814 | 10,630 | 11,200 | | | | | |
| B. Uzbek SSR | 4,742 | 5,200 | 5,637 | 5,935 | 6,345 | 6,640 | | | | | |
| C. Kirgiz SSR | 952 | 935 | 1,015 | 1,015 | 1,015 | 2,210 | | | | | |
| D. Tadzhik SSR | 852 | 842 | 1,502 | 1,800 | 1,800 | 1,800 | | | | | |
| E. Turkmen SSR | 682 | 663 | 660 | 1,051 | 1,051 | 1,245 | | | | | |
| XI. East Siberia Economic Region | 17,500 | 18,390 | 18,840 | 19,165 | 19,950 | 21,250 | | | | | |
| XII. Far East Economic Region | 4,500 | 4,590 | 4,900 | 4,970 | 5,140 | 5,975 | | | | | |
| TOTAL USSR | 166,154 | 175,365 | 186,239 | 195,560 | 205,112 | 217,730 | | | | | |

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| I. Northwest Economic Region | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|---|--|-------|-------|--------|--------|--------|------|------|------|------|------|
| | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| Summary | | | | | | | | | | | |
| A. Leningrad Power System (Leningrad, Novgorod and Pskov Oblasts) | 4,168 | 4,464 | 4,514 | 4,875 | 5,980 | 7,355 | | | | | |
| B. Murmansk Oblast | 2,000 | 1,990 | 2,158 | 2,573 | 3,031 | 3,020 | | | | | |
| C. Karelian ASSR | 700 | 740 | 745 | 740 | 740 | 740 | | | | | |
| D. North Area (Arkhangelsk and Vologda Oblasts; Komi ASSR) | 1,635 | 1,835 | 1,895 | 1,895 | 1,965 | 1,985 | | | | | |
| Total Capacity | 8,503 | 9,029 | 9,312 | 10,083 | 11,716 | 13,100 | | | | | |

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| I. Northwest Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | | |
|------------------------------|------------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| | | Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| | | N | E | | | | | | | | | | | |
| A. Leningrad Power System | | | | | | | | | | | | | | |
| 1. | Dubrovka GRES 8 Kirov | 59-52 | 30-59 | 312 | 312 | 312 | 312 | 312 | 312 | 312 | | | | |
| 2. | Enso GES Svetogorsk | 61-06 | 28-51 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | | | | |
| 3. | Kirish GRES 19 | 59-29 | 32-30 | 1,060 | 1,360 | 1,360 | 1,660 | 1,660 | 1,660 | 1,660 | | | | |
| 4. | Kolpino TETS Izhora- Kuybyshev | 59-46 | 30-35 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | | | | |
| 5. | Leningrad TETS Bolshevik | 59-51 | 30-29 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | | | | |
| 6. | Leningrad TETS 1 | 59-55 | 30-20 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | | | | |
| 7. | Leningrad TETS 2 | 59-56 | 30-23 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | | | | |
| 8. | Leningrad TETS 5 Krasny Oktyabr | 59-52 | 30-29 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | | | | |
| 9. | Leningrad TETS 7 | 59-52 | 30-15 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | | | | |
| 10. | Leningrad TETS 14 Southwest | 59-52 | 30-15 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | | | | |
| 11. | Leningrad TETS 15 Kirovskaya | 59-52 | 30-17 | 125 | 125 | 125 | 225 | 335 | 335 | 335 | | | | |
| 12. | Leningrad TETS 17-IMZ | 59-56 | 30-15 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | | | | |
| 13. | Leningrad Krasny Tregolnik TETS | 59-54 | 30-17 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | | | | |
| 14. | Leningrad Severnaya TETS | 60-05 | 30-28 | - | - | - | - | - | - | - | | | | |
| 15. | Leningrad Vuzhnaya TETS | | | - | - | - | - | - | - | - | | | | |
| 16. | Leningrad AES | 59-51 | 29-03 | - | - | - | - | 1,000 | 2,000 | 2,000 | | | | |
| 17. | Narva GES | 59-22 | 28-12 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | | | | |

| I. Northwest Economic Region | | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | | | | |
|--|---------------------|-------------|-------|--|-------|-------|-------|-------|-------|------|------|------|------|------|--|--|--|--|
| | | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | | | | |
| 18. | Nizhny Svir GES | 60-48 | 33-42 | 109 | 109 | 109 | 109 | 109 | 109 | 109 | 109 | | | | | | | |
| 19. | Novgorod TETS 20 | 58-31 | 31-17 | 50 | 50 | 100 | 100 | 100 | 100 | 100 | | | | | | | | |
| 20. | Pikalevo TETS | 59-32 | 34-09 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | | | | | | | | |
| 21. | Raukhiala GES 10 | 61-04 | 28-52 | 108 | 108 | 108 | 108 | 108 | 108 | 108 | | | | | | | | |
| 22. | Verkhne Svir GES 2 | 60-55 | 34-12 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | | | | | | | | |
| 23. | Volkhov GES Lenin 6 | 59-55 | 32-20 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | | | | | | | | |
| Total in Plants 24 MW and over | | | | 3,368 | 3,668 | 3,718 | 4,118 | 5,228 | 6,628 | | | | | | | | | |
| Small Plants | | | | 800 | 796 | 796 | 757 | 752 | 727 | | | | | | | | | |
| Total Capacity -- Leningrad Power System | | | | 4,168 | 4,464 | 4,514 | 4,875 | 5,980 | 7,355 | | | | | | | | | |

| I. Northwest Economic Region | | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | | | | |
|------------------------------|----------------------------|-------------|-------|--|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|
| | | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | | | | |
| B. Murmansk Oblast | | | | | | | | | | | | | | | | | | |
| 1. | Borisoglebsk GES | 69-39 | 30-08 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 |
| 2. | Iovskaya GES | 66-40 | 31-20 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 3. | Kandalaksha Niva GES 1 | 67-23 | 32-33 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 4. | Kandalaksha Niva GES 2 | 67-17 | 32-27 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| 5. | Kandalaksha Niva GES 3 | 67-11 | 32-25 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| 6. | Khevoskosc GES | 69-10 | 29-10 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 7. | Kirovsk GES | 67-35 | 33-23 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| 8. | Knyazhagubskaya GES | 66-52 | 32-20 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 |
| 9. | Kola AES | 67-27 | 32-29 | - | - | - | - | - | 440 | 880 | 880 | 880 | 880 | 880 | 880 | 880 | 880 | 880 |
| 10. | Murmansk TETS | 68-57 | 33-04 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 11. | Murmansk South TETS | 68-56 | 33-05 | - | - | - | - | - | - | - | - | - | 25 | 25 | 25 | 25 | 25 | 25 |
| 12. | Mumashi Tulomsckaya GES | 68-49 | 32-49 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 13. | Nautsi Rayakoski GES | 69-01 | 29-01 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| 14. | Rosta TETS | 69-02 | 33-05 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 15. | Serebryansk GES 1 | 68-51 | 35-35 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 |
| 16. | Serebryansk GES 2 | 68-59 | 35-43 | - | - | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |

| I. Northwest Economic Region | | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | |
|-----------------------------------|--------------------|-------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | |
| 17. | Verkhne Tuloma GES | 68-36 | 31-45 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 | 228 |
| 18. | Yaniskoski GES | 68-58 | 28-47 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| Total in Plants 24 MW and over | | | | 1,348 | 1,348 | 1,498 | 1,938 | 2,403 | 2,403 | 2,403 | 2,403 | 2,403 | 2,403 | 2,403 | 2,403 |
| Small Plants | | | | 652 | 642 | 660 | 635 | 628 | 628 | 617 | 617 | 617 | 617 | 617 | 617 |
| Total Capacity -- Murmansk Oblast | | | | 2,000 | 1,990 | 2,158 | 2,573 | 3,031 | 3,031 | 3,020 | 3,020 | 3,020 | 3,020 | 3,020 | 3,020 |

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| i. Northwest Economic Region | | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|---------------------------------|-------------------|-------------|-------|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| C. Karelian ASSR | | | | | | | | | | | | | | |
| 1. | Belomorsk GES | 64-30 | 34-42 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 2. | Kondopoga GES | 62-12 | 34-16 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 3. | Kondopoga TETS | 62-12 | 34-16 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 4. | Kumskaya GES | 65-21 | 31-07 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 |
| 5. | Matkozhensk GES | 64-25 | 34-29 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| 6. | Ondskaya GES | 63-58 | 34-13 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 7. | Palakorgsk GES | 64-17 | 34-25 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 8. | Pitkyaranta TETS | 61-34 | 31-29 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 9. | Poduzhensk GES | 64-56 | 34-07 | - | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 10. | Putkinsk GES | 64-56 | 34-32 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 |
| 11. | Segezha TETS | 63-44 | 34-26 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 12. | Vyostrovskaya GES | 64-28 | 34-41 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| Total in Plants 24 MW and over | | | | 550 | 598 | 598 | 598 | 598 | 598 | 598 | 598 | 598 | 598 | 598 |
| Small Plants | | | | 150 | 142 | 147 | 142 | 142 | 142 | 142 | 142 | 142 | 142 | 142 |
| Total Capacity -- Karelian ASSR | | | | <u>700</u> | <u>740</u> | <u>745</u> | <u>740</u> | <u>740</u> | <u>740</u> | <u>740</u> | <u>740</u> | <u>740</u> | <u>740</u> | <u>740</u> |

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| I. Northwest Economic Region | | Coordinates | | | | | | | | | | | | |
|--|----------------------------|-------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
| | | N | S | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| D. North Area (Arkhangelsk, Komi, Vologda) | | | | | | | | | | | | | | |
| 1. | Arkhangelsk Arkhum TETS | 64-26 | 40-50 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 2. | Arkhangelsk TETS | 64-34 | 40-34 | 60 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| 3. | Cherepovets Mt.Ig. TETS | 59-08 | 37-52 | 139 | 239 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 | 251 |
| 4. | Cherepovets GES | 59-15 | 38-28 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 5. | Cherepovets GRES | 59-13 | 37-12 | - | - | - | - | - | - | - | - | - | - | - |
| 6. | Inta TETS | 66-03 | 60-10 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| 7. | Kotlas TETS 1 | 61-18 | 47-08 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| 8. | Kotlas TETS 2 | 61-18 | 47-08 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 9. | Severodvinsk TETS | 64-35 | 39-52 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 10. | Sokol TETS | 59-27 | 40-09 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| 11. | Syktvykar TETS | 61-49 | 50-44 | 24 | 24 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 |
| 12. | Ukhta TETS 2 | 63-33 | 53-24 | 129 | 189 | 189 | 189 | 189 | 189 | 189 | 189 | 189 | 189 | 189 |
| 13. | Vorkuta TETS 1 | 67-30 | 64-03 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 14. | Vorkuta TETS 2 | 67-30 | 64-03 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 |
| Total in Plants 24 MW and over | | | | 984 | 1,204 | 1,241 | 1,241 | 1,311 | 1,331 | 1,331 | 1,331 | 1,331 | 1,331 | 1,331 |
| Small Plants | | | | 651 | 631 | 654 | 654 | 654 | 654 | 654 | 654 | 654 | 654 | 654 |
| Total Capacity -- North Area | | | | 1,635 | 1,835 | 1,895 | 1,895 | 1,965 | 1,985 | 1,985 | 1,985 | 1,985 | 1,985 | 1,985 |

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| II. West Economic Region | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|--------------------------|--|--------|--------|--------|--------|--------|------|------|------|------|------|
| | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| Summary | | | | | | | | | | | |
| A. Belorussian SSR | 3,676 | 4,110 | 4,463 | 4,987 | 5,425 | 5,670 | | | | | |
| B. Estonian SSR | 2,650 | 2,866 | 3,262 | 3,460 | 3,455 | 3,455 | | | | | |
| C. Latvian SSR | 1,154 | 1,151 | 1,150 | 1,149 | 1,340 | 1,585 | | | | | |
| D. Lithuanian SSR | 1,474 | 1,782 | 2,082 | 2,080 | 2,080 | 2,080 | | | | | |
| E. Kaliningrad Oblast | 240 | 250 | 265 | 265 | 265 | 265 | | | | | |
| Total Capacity | 9,194 | 10,159 | 11,222 | 11,941 | 12,565 | 13,055 | | | | | |

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| | | Coordinates | | Estimated Capacity at the End of Year (MW) | | | | | | | | | | | | |
|--------------------------------|------------------|-------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| | | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | | |
| A. Belorussia | | | | | | | | | | | | | | | | |
| 1. | Berezova GRES | 52-28 | 25-11 | 920 | 920 | 920 | 920 | 920 | 920 | 920 | 920 | 920 | 920 | 920 | | |
| 2. | Bobruisk TETS 2 | 53-95 | 29-14 | 60 | 120 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | | |
| 3. | Grodno TETS 2 | 53-40 | 23-56 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | | |
| 4. | Lukoml' GRES | 54-41 | 29-07 | 900 | 1,200 | 1,500 | 2,100 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | | |
| 5. | Minsk TETS 2 | 53-53 | 27-35 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | | |
| 6. | Minsk TETS 3 | 53-53 | 27-39 | 435 | 435 | 435 | 435 | 435 | 435 | 435 | 435 | 435 | 435 | 435 | | |
| 7. | Minsk TETS 4 | 53-53 | 27-24 | - | - | - | - | - | - | - | - | - | - | - | | |
| 8. | Mogilev TETS 1 | 53-53 | 30-18 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | | |
| 9. | Mogilev TETS 2 | 53-55 | 30-22 | 110 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | | |
| 10. | Mozyr TETS | 53-07 | 29-15 | - | - | - | - | 60 | 60 | 60 | 60 | 60 | 60 | 60 | | |
| 11. | Orekhovo Belgres | 54-42 | 30-30 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | | |
| 12. | Polotsk TETS 2 | 55-32 | 28-33 | 270 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | | |
| 13. | Snolevichi GRES | 54-06 | 28-21 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | | |
| 14. | Vasilevichi GRES | 52-37 | 29-45 | 322 | 322 | 322 | 322 | 322 | 322 | 322 | 322 | 322 | 322 | 322 | | |
| 15. | Vitebsk TETS | 55-11 | 30-10 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | | |
| Total in Plants 24 MW and over | | | | 3,339 | 3,799 | 4,159 | 4,759 | 5,219 | 5,489 | 5,489 | 5,489 | 5,489 | 5,489 | 5,489 | | |
| Small Plants | | | | 337 | 311 | 304 | 228 | 206 | 181 | 181 | 181 | 181 | 181 | 181 | | |
| Total capacity -- Belorussia | | | | 3,676 | 4,110 | 4,463 | 4,987 | 5,425 | 5,670 | 5,670 | 5,670 | 5,670 | 5,670 | 5,670 | | |

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| II. West Economic Region | | Coordinates | | Estimated Capacity at the End of Year (MW) | | | | | | | | | | | | | |
|--------------------------------|------------------|-------------|-------|--|-------|-------|-------|-------|-------|------|------|------|------|------|-----|-----|-----|
| | | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | | | |
| C. Latvia | | | | | | | | | | | | | | | | | |
| 1. | Kegums GES | 56-44 | 24-43 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 2. | Liepaya GES | 56-31 | 21-01 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 3. | Plyavinskaya GES | 56-38 | 25-20 | 825 | 825 | 825 | 825 | 825 | 825 | 825 | 825 | 825 | 825 | 825 | 825 | 825 | 825 |
| 4. | Riga GES | 56-58 | 24-06 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 5. | Riga TETS | 56-59 | 24-11 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 |
| 6. | Riga TETS 2 | 56-58 | 24-10 | - | - | - | - | - | - | - | - | - | - | - | - | 60 | 60 |
| 7. | Riga GES | 56-52 | 24-15 | - | - | - | - | - | - | - | 192 | 192 | 192 | 192 | 192 | 384 | 384 |
| Total in Plants 24 MW and over | | | | 1,098 | 1,098 | 1,098 | 1,098 | 1,290 | 1,542 | | | | | | | | |
| Small Plants | | | | 56 | 53 | 52 | 51 | 50 | 43 | | | | | | | | |
| Total Capacity -- Latvia | | | | 1,154 | 1,151 | 1,150 | 1,149 | 1,340 | 1,585 | | | | | | | | |

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| III. South Economic Region | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
|----------------------------|---|--|---------------|---------------|---------------|---------------|---------------|------|------|------|------|------|
| | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
| <u>Summary</u> | | | | | | | | | | | | |
| <u>Ukraine SSR</u> | | | | | | | | | | | | |
| A. | Dnepr Power System | 6,708 | 6,708 | 7,908 | 8,508 | 8,878 | 9,988 | | | | | |
| B. | Donbas Power System | 8,031 | 8,831 | 9,331 | 10,861 | 11,281 | 12,291 | | | | | |
| C. | Kharkov Power System | 2,882 | 2,882 | 2,882 | 2,882 | 2,882 | 2,882 | | | | | |
| D. | Kiyev-Center Area | 3,662 | 5,562 | 6,317 | 6,474 | 6,969 | 6,987 | | | | | |
| E. | South Area | 681 | 681 | 681 | 681 | 681 | 681 | | | | | |
| F. | West-Southwest Area | 3,411 | 3,411 | 3,411 | 3,411 | 3,411 | 3,411 | | | | | |
| | Total in Plants 24 MW and over | 25,375 | 28,075 | 30,530 | 32,817 | 34,102 | 36,240 | | | | | |
| | Small Plants | 2,514 | 2,591 | 2,393 | 2,343 | 2,333 | 2,300 | | | | | |
| | Total Capacity -- Ukraine | <u>27,889</u> | <u>30,666</u> | <u>32,923</u> | <u>35,160</u> | <u>36,435</u> | <u>38,540</u> | | | | | |
| | <u>Moldavia SSR</u> | 1,682 | 1,892 | 1,895 | 2,084 | 2,280 | 2,280 | | | | | |
| | Total Capacity -- South Economic Region | <u>29,571</u> | <u>32,558</u> | <u>34,818</u> | <u>37,244</u> | <u>38,715</u> | <u>40,820</u> | | | | | |

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| III. South Economic Region | | Estimated Capacity at the End of Year (MW) | | | | | | | | | | |
|---|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Ukraine SSR | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| Coordinates | E | N | | | | | | | | | | |
| | | | | | | | | | | | | |
| A. Dnepr Power System | | | | | | | | | | | | |
| 1. Dnepro GES Lenin | 35-05 | 651 | 651 | 651 | 651 | 651 | 651 | 651 | 651 | 651 | 651 | 651 |
| 2. Dnepro GES 2 | 35-05 | - | - | - | - | 310 | 620 | | | | | |
| 3. Dneprodzerzhinsk GRES | 34-37 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| 4. Dneprodzerzhinsk GES | 34-38 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 | 352 |
| 5. Dneprodzerzhinsk Fertilizer Plant TETS | 34-37 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 6. Dnepropetrovsk TETS Petrovskiy | 34-59 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 7. Kakhovka GES | 33-21 | 351 | 351 | 351 | 351 | 351 | 351 | 351 | 351 | 351 | 351 | 351 |
| 8. Krivoy Rog Metal. TETS 1 | 33-25 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | 105 |
| 9. Krivoy Rog Metal. TETS 2 | 33-27 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 10. Krivoy Rog Metal. TETS 3 | 33-27 | - | - | - | - | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| 11. Krivoy Rog GRES Sokolovka | 33-27 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| 12. Krivoy Rog GRES 2 | 33-42 | 2,400 | 2,400 | 2,700 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 |
| 13. Pridneprovskaya GRES | 35-07 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 |
| 14. Zaporozhe TETS Zaporozhstal | 35-09 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 15. Zaporozhe GRES | 35-37 | - | - | 900 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 2,000 |
| Total in Plants 24 MW and over | | 6,708 | 6,708 | 7,908 | 8,508 | 8,878 | 9,988 | | | | | |

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| III. South Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | | |
|-----------------------------------|---------------------------------|--|-------|-------|-------|-------|--------|--------|--------|-------|------|------|------|------|
| Ukraine SSR | | Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| B. Donbas Power System | | N | E | | | | | | | | | | | |
| 1. | Donetsk TETS | 48-00 | 37-48 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 2. | Kramatorsk TETS | 48-45 | 37-35 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| 3. | Kurakhovka GRES | 48-00 | 37-15 | 200 | 200 | 400 | 1,030 | 1,450 | 1,660 | | | | | |
| 4. | Lisichansk TETS | 48-56 | 38-28 | 74 | 74 | 74 | 74 | 74 | 74 | | | | | |
| 5. | Lisichansk TETS 2 | 48-56 | 38-28 | 150 | 150 | 150 | 150 | 150 | 150 | | | | | |
| 6. | Makeyevka TETS Kirov | 48-03 | 37-57 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | | | | |
| 7. | Mironovskaya GRES | 48-29 | 38-15 | 500 | 500 | 500 | 500 | 500 | 500 | | | | | |
| 8. | Severodonetsk GRES | 48-53 | 38-29 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | | | | |
| 9. | Severodonetsk TETS | 48-57 | 38-28 | 296 | 296 | 296 | 296 | 296 | 296 | 296 | | | | |
| 10. | Shterovka GRES | 48-06 | 38-53 | 178 | 178 | 178 | 178 | 178 | 178 | 178 | | | | |
| 11. | Slavyansk GRES | 48-53 | 37-38 | 1,300 | 2,100 | 2,100 | 2,100 | 2,100 | 2,100 | 2,100 | | | | |
| 12. | Starobeshevo GRES | 47-45 | 38-03 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | | | | |
| 13. | Uglegorsk GRES | 48-27 | 38-15 | - | - | 300 | 1,200 | 1,200 | 2,000 | | | | | |
| 14. | Voroshilovgrad GRES | 48-44 | 39-14 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | | | | | |
| 15. | Voroshilovgrad TETS | 48-35 | 39-20 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | | | | |
| 16. | Voroshilovsk TETS Kommunarsk | 48-29 | 38-46 | 30 | 30 | 30 | 30 | 30 | 30 | | | | | |
| 17. | Zhdanov TETS Azovstal | 47-06 | 37-35 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | | | | |
| 18. | Zhdanov TETS Ilich | 47-09 | 37-35 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | | | |
| 19. | Zuyevka GRES | 48-01 | 38-15 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | | | | |
| Total in Plants 24 MW and over | | | | 8,031 | 8,831 | 9,331 | 10,861 | 11,281 | 12,291 | | | | | |

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| | | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | | | |
|-----------------------------------|----------------------------|-------------|-------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | | | |
| <u>Ukraine SSR</u> | | | | | | | | | | | | | | | | | |
| <u>C. Kharkov Power System</u> | | | | | | | | | | | | | | | | | |
| 1. | Kharkov GRES 2 Chuguyev | 49-48 | 36-36 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 |
| 2. | Kharkov TETS 3 | 49-58 | 36-18 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 |
| 3. | Kharkov TETS 4 | 49-58 | 36-23 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| 4. | Kharkov TETS 5 | | | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 5. | Zmiyev GRES | 49-35 | 36-31 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 |
| Total in Plants 24 MW and over | | | | <u>2,882</u> | <u>2,882</u> | <u>2,882</u> | <u>2,882</u> | <u>2,882</u> | <u>2,882</u> | <u>2,882</u> | <u>2,882</u> | <u>2,882</u> | <u>2,882</u> | <u>2,882</u> | <u>2,882</u> | <u>2,882</u> | <u>2,882</u> |

| III. South Economic Region | | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | | | | |
|--------------------------------|---------------------------|-------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | | | | |
| D. Kiev-Center Area | | | | | | | | | | | | | | | | | | |
| 1. | Aleksandriya TETS | 48-39 | 33-04 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 2. | Cherkassy TETS | 49-26 | 32-04 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | 240 |
| 3. | Chernigov Konsomolsk TETS | 51-28 | 31-13 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 4. | Chernobyl Nuclear AES | 51-23 | 30-04 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 5. | Kanav GES | 49-46 | 31-28 | - | - | 105 | 262 | 402 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | 420 |
| 6. | Kiyev TETS 2 | 50-29 | 30-31 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| 7. | Kiyev TETS 3 | 50-26 | 30-30 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |
| 8. | Kiyev Darnitsa TETS 4 | 50-27 | 30-38 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| 9. | Kiyev TETS 5 | 50-28 | 30-35 | - | 100 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| 10. | Kiyev GES | 50-27 | 30-32 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 |
| 11. | Kiyev Pump Storage | 50-27 | 30-32 | 75 | 75 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 | 225 |
| 12. | Kremenchug TETS | 49-04 | 33-25 | 150 | 150 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| 13. | Kremenchug GES | 49-04 | 33-55 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 | 625 |
| 14. | Ladyzhinsk GRES | 48-40 | 29-08 | 300 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 |
| 15. | Tripolskaya GRES | 50-70 | 30-46 | 1,200 | 1,500 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 | 1,800 |
| Total in Plants 24 MW and over | | | | 3,662 | 5,562 | 6,317 | 6,474 | 6,969 | 6,987 | 6,987 | 6,987 | 6,987 | 6,987 | 6,987 | 6,987 | 6,987 | 6,987 | 6,987 |

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| III. South Economic Region | | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|-----------------------------------|-------------------------------|-------------|-------|--|------|------|------|------|------|------|------|------|------|------|
| Ukraine SSR | | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| E. South Area | | | | | | | | | | | | | | |
| 1. | Kerch GRES Kamysh Burun | 45-17 | 36-25 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 2. | Kherson TETS | 46-40 | 32-39 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 3. | Nikolayev TETS | 46-57 | 31-59 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 4. | Odessa TETS 1 Marti | 46-31 | 30-44 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 5. | Odessa TETS 3 | 46-30 | 30-43 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| 6. | Sevastopol GRES 1 Inkerman | 44-37 | 33-35 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| 7. | Simferopol GRES | 45-00 | 34-03 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Total in Plants 24 MW and over | | | | 681 | 681 | 681 | 681 | 681 | 681 | 681 | 681 | 681 | 681 | 681 |

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| III. South Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | |
|--------------------------------|-------|--|------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Coordinates | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| | | | F. West-Southwest Area | | | | | | | | | | |
| Ukraine SSR | | | | | | | | | | | | | |
| 1. Burshtyn GRES | 49-16 | 24-38 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 |
| 2. Dashava TETS | 49-15 | 24-01 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 3. Dohotvor GRES | 50-13 | 24-22 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 |
| 4. Kalush TETS | 49-41 | 24-19 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| 5. Ivv GRES | 49-48 | 24-01 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| 6. Terebla Rikskaya GES | 48-07 | 23-28 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| Total | | | <u>3,411</u> | <u>3,411</u> | <u>3,411</u> | <u>3,411</u> | <u>3,411</u> | <u>3,411</u> | <u>3,411</u> | <u>3,411</u> | <u>3,411</u> | <u>3,411</u> | <u>3,411</u> |
| Moldavia SSR | | | | | | | | | | | | | |
| 1. Beltsy TETS | 47-45 | 27-54 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 2. Dubossary GES | 47-17 | 29-06 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 3. Kishinev TETS | 47-02 | 28-51 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| 4. Kishinev TETS 2 | | | - | - | - | - | - | - | - | - | - | - | - |
| 5. Moldavian GRES | 46-37 | 29-56 | 1,400 | 1,600 | 1,600 | 1,800 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| Total in Plants 24 MW and over | | | <u>1,540</u> | <u>1,740</u> | <u>1,740</u> | <u>1,940</u> | <u>2,140</u> | <u>2,140</u> | <u>2,140</u> | <u>2,140</u> | <u>2,140</u> | <u>2,140</u> | <u>2,140</u> |
| Small Plants | | | 142 | 152 | 155 | 144 | 140 | 140 | 140 | 140 | 140 | 140 | 140 |
| Total Capacity -- Moldavia SSR | | | <u>1,682</u> | <u>1,892</u> | <u>1,895</u> | <u>2,084</u> | <u>2,280</u> | <u>2,280</u> | <u>2,280</u> | <u>2,280</u> | <u>2,280</u> | <u>2,280</u> | <u>2,280</u> |

| | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|----------------------------------|--|--------------|--------------|--------------|--------------|--------------|------|------|------|------|------|
| | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| <u>Summary</u> | | | | | | | | | | | |
| A. Rostov Power System | 2,584 | 2,860 | 3,160 | 3,160 | 3,320 | 3,320 | | | | | |
| B. Other Power Systems | 3,163 | 3,192 | 3,450 | 3,570 | 4,120 | 5,470 | | | | | |
| Total in Plants 24 MW and over | 5,747 | 6,052 | 6,610 | 6,730 | 7,440 | 8,790 | | | | | |
| Small Plants | 822 | 828 | 835 | 810 | 810 | 760 | | | | | |
| Total Capacity -- North Caucasus | <u>6,569</u> | <u>6,880</u> | <u>7,445</u> | <u>7,540</u> | <u>8,250</u> | <u>9,550</u> | | | | | |

| IV. North Caucasus Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|------------------------------------|--------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| N | E | | | | | | | | | | | |
| A. Rostov Power System | | | | | | | | | | | | |
| 1. | Kamensk TETS | 48-19 | 40-15 | 112 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 2. | Nesvetay GRES | 47-52 | 40-01 | 312 | 312 | 312 | 312 | 312 | 312 | 312 | 312 | 312 |
| 3. | Novocherkassk GRES | 47-28 | 40-10 | 1,800 | 2,100 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 |
| 4. | Rostov TETS | 47-13 | 39-44 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 5. | Rostov TETS 2 | 47-13 | 39-44 | - | - | - | - | 160 | 160 | 160 | 160 | 160 |
| 6. | Shakhty GRES Artem | 47-46 | 40-18 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| 7. | Tsimliysk GES | 47-36 | 42-07 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 | 204 |
| Total in Plants | | | | 2,548 | 2,860 | 3,160 | 3,160 | 3,160 | 3,320 | 3,320 | 3,320 | 3,320 |
| 24 MW and over | | | | | | | | | | | | |

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| | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|------------------------------------|------------------------------|-------------|--|------|------|------|------|-------|------|------|------|------|------|
| | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| IV. North Caucasus Economic Region | | | | | | | | | | | | | |
| B. All Others | | | | | | | | | | | | | |
| 1. | Amavir TETS | 45-00 41-08 | 24 | 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 | 25 |
| 3. | Belorechensk GES | 44-48 39-48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 4. | Chirkeysk GES | 42-58 46-53 | - | - | - | - | 250 | 1,000 | - | - | - | - | - |
| 5. | Chiryurt GES 1 & 2 | 43-09 46-51 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 |
| 6. | Ezmin GES Dzauzhikau | 42-51 44-38 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 7. | Gizeldon GES | 42-54 44-28 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 8. | Groznyy TETS Kamintern | 43-18 45-40 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 9. | Groznyy TETS 2 | 43-16 45-38 | 307 | 307 | 307 | 307 | 307 | 307 | 307 | 307 | 307 | 307 | 307 |
| 10. | Groznyy TETS 3 | 43-20 45-42 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 11. | Krasnaya Polyana GES | 43-41 40-12 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 12. | Krasnodar TETS | 45-13 39-35 | 850 | 850 | 850 | 850 | 850 | 850 | 850 | 850 | 850 | 850 | 850 |
| 13. | Krasnodar GRES | 45-01 38-59 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 14. | Kurshava GES #1 | 44-16 42-28 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 15. | Kurshava GES #2 | 44-20 42-30 | 184 | 184 | 184 | 184 | 184 | 184 | 184 | 184 | 184 | 184 | 184 |
| 16. | Kuban GES #3 | 44-33 42-15 | - | 29 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 |
| 17. | Kuban GES #4 | 44-35 42-06 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| 18. | Makhachkala TETS Kaspiysk | 42-53 47-39 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |

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| IV. North Caucasus Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|------------------------------------|-------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| N | E | | | | | | | | | | | |
| 19. | Nevinnomyssk GRES | 44-39 | 41-55 | 1,110 | 1,110 | 1,310 | 1,430 | 1,430 | 1,430 | 1,430 | | |
| 20. | Novorossiysk GRES | 44-43 | 37-47 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | | |
| 21. | Pyatigorsk TEHS | 44-06 | 42-56 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | | |
| 22. | Stavropol GRES | 45-03 | 41-58 | - | - | - | - | 300 | 900 | | | |
| 23. | Yegorlyk GES | 45-00 | 41-42 | 30 | 30 | 30 | 30 | 30 | 30 | | | |
| Total in Plants 24 MW and over | | | | 3,163 | 3,192 | 3,450 | 3,570 | 4,120 | 5,470 | | | |

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| V. Transcaucasus Economic Region | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
|----------------------------------|----------------|--|-------|-------|-------|-------|-------|------|------|------|------|------|
| | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
| <u>Summary</u> | | | | | | | | | | | | |
| A. | Armenia SSR | 1,707 | 2,122 | 2,297 | 2,270 | 2,470 | 2,720 | | | | | |
| B. | Azerbaijan SSR | 2,741 | 2,840 | 2,910 | 2,890 | 2,940 | 2,990 | | | | | |
| C. | Georgia SSR | 2,064 | 2,467 | 2,712 | 2,725 | 2,725 | 2,725 | | | | | |
| Total Capacity --- | | | | | | | | | | | | |
| Transcaucasus | | 6,512 | 7,429 | 7,919 | 7,885 | 8,135 | 8,435 | | | | | |
| Economic Region | | | | | | | | | | | | |

Confidential

Confidential

| V. Transcaucasus Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|----------------------------------|--------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| N | E | | | | | | | | | | | |
| A. Armenia SSR | | | | | | | | | | | | |
| 1. | Armenian AFS | 40-10 | 44-09 | - | - | - | - | - | - | - | - | - |
| 2. | Arzni GES | 40-17 | 44-35 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| 3. | Atarbekyan GES | 40-32 | 44-46 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 |
| 4. | Dzora GES | 40-57 | 44-38 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 5. | Gyumush GES | 40-23 | 44-37 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 |
| 6. | Kanakar GES | 40-13 | 44-31 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 |
| 7. | Kirovakan TETS | 40-48 | 44-30 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 |
| 8. | Ozernaya Sevan GES | 40-33 | 44-58 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 9. | Razdan TETS | 40-31 | 44-46 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 10. | Razdan GES | 44-34 | 44-45 | - | 400 | 600 | 600 | 600 | 800 | 800 | 1,000 | 1,000 |
| 11. | Shambuskaya GES | 39-28 | 46-10 | - | - | - | - | - | - | - | - | - |
| 12. | Tatev GES | 39-26 | 46-22 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 | 157 |
| 13. | Yerevan GES | 40-12 | 44-30 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| 14. | Yerevan TETS | 40-11 | 44-30 | 550 | 550 | 550 | 550 | 550 | 550 | 550 | 550 | 550 |
| Total in Plants 24 MW and over | | 1,637 | 2,037 | 2,237 | 2,237 | 2,437 | 2,437 | 2,687 | 2,687 | 2,687 | 2,687 | 2,687 |
| Small Plants | | 70 | 85 | 60 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Total Capacity -- Armenia SSR | | 1,707 | 2,122 | 2,297 | 2,270 | 2,470 | 2,470 | 2,720 | 2,720 | 2,720 | 2,720 | 2,720 |

Confidential

| V. Transcaucasus Economic Region | | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | | | | |
|--------------------------------------|--------------------------------|-------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | | | | |
| B. Azerbaijan SSR | | | | | | | | | | | | | | | | | | |
| 1. | Ali Bayramly GRES | 39-56 | 48-54 | 1,080 | 1,080 | 1,080 | 1,080 | 1,080 | 1,080 | 1,080 | 1,080 | 1,080 | 1,080 | 1,080 | 1,080 | 1,080 | 1,080 | 1,080 |
| 2. | Araks GES Nakhchivan | 39-33 | 47-37 | - | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 3. | Azerbaijan GRES | 40-46 | 47-02 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4. | Baku Krasnaya Zvezda TETS 1 | 40-22 | 49-55 | 109 | 109 | 109 | 109 | 109 | 109 | 109 | 109 | 109 | 159 | 209 | 209 | 209 | 209 | 209 |
| 5. | Baku Krasnii GRES | 40-20 | 49-51 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 |
| 6. | Baku Novo Bakinskiy TETS 2 | 40-25 | 49-50 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| 7. | Baku Severnaya GRES | 40-23 | 49-52 | 318 | 318 | 318 | 318 | 318 | 318 | 318 | 318 | 318 | 318 | 318 | 318 | 318 | 318 | 318 |
| 8. | Kirovabad TETS | 40-41 | 46-22 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 9. | Mingechaur GES | 40-47 | 47-02 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 | 359 |
| 10. | Neftyanye Kamni TETS | 40-15 | 50-51 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 11. | Sungait TETS 1 | 40-36 | 49-38 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 |
| 12. | Sungait TETS 2 | 40-36 | 49-38 | 100 | 160 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| 13. | Tertter GES | 40-23 | 47-00 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total in Plants 22 MW and over | | | | 2,674 | 2,756 | 2,816 | 2,816 | 2,816 | 2,816 | 2,866 | 2,866 | 2,866 | 2,866 | 2,866 | 2,866 | 2,866 | 2,866 | 2,866 |
| Small Plants | | | | 67 | 84 | 94 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| Total Capacity --- Azerbaijan SSR | | | | 2,741 | 2,840 | 2,910 | 2,890 | 2,890 | 2,940 | 2,940 | 2,940 | 2,940 | 2,940 | 2,940 | 2,940 | 2,940 | 2,940 | 2,940 |

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| V. Transcaucasus Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|----------------------------------|------------------------|--|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| N | E | | | | | | | | | | | |
| C. Georgia SSR | | | | | | | | | | | | |
| 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 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 3. | Inguri GES | 42-47 | 42-02 | - | - | - | - | - | - | - | - | - |
| 4. | Ladzhanur GES | 42-40 | 42-46 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |
| 5. | Perepadnaya GES 1 | 42-39 | 41-35 | - | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| 6. | Perepadnaya GES 2 | 42-38 | 41-33 | - | 20 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 7. | Perepadnaya GES 3 | 42-38 | 41-32 | - | - | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 8. | Perepadnaya GES 4 | 42-37 | 41-30 | - | - | 20 | 40 | 40 | 40 | 40 | 40 | 40 |
| 9. | Rioni GES | 42-12 | 42-44 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 10. | Rustavi TETS | 41-32 | 45-02 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| 11. | Shaori GES | 42-16 | 42-42 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 12. | Sukhumi GES | 43-00 | 41-02 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 13. | Tbilisi GES | 41-28 | 42-05 | 960 | 1,120 | 1,280 | 1,280 | 1,280 | 1,280 | 1,280 | 1,280 | 1,280 |
| 14. | Tkibuli GES | 42-22 | 42-59 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 15. | Tkvarcheli Shakhba GES | 42-50 | 41-44 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 16. | Tkvarcheli GES | 42-50 | 41-41 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 | 125 |
| 17. | Tsalka Khram GES 1 | 41-33 | 44-07 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 | 113 |

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| V. Transcaucasus Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|-----------------------------------|-----------------------------------|--|-------|-------|-------|-------|-------|------|------|------|------|------|
| Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| N | E | | | | | | | | | | | |
| 18. | Tsalka Khram GES 2 41-32 44-15 | 110 | 110 | 110 | 110 | 110 | 110 | | | | | |
| 19. | Vartsikh GES #1 | - | - | - | - | - | - | | | | | |
| 20. | Zemo Avchala GES 41-50 44-46 | 36 | 36 | 36 | 36 | 36 | 36 | | | | | |
| 21. | Zhinvali GES | - | - | - | - | - | - | | | | | |
| Total in Plants 24 MW and over | | 1,887 | 2,287 | 2,527 | 2,547 | 2,547 | 2,547 | | | | | |
| Small Plants | | 177 | 180 | 185 | 178 | 178 | 178 | | | | | |
| Total Capacity -- Georgia SSR | | 2,064 | 2,467 | 2,712 | 2,725 | 2,725 | 2,725 | | | | | |

| VI. Volga Economic Region | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
|---|--|--|---------------|---------------|---------------|---------------|---------------|-------|------|------|------|------|
| | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
| <u>Summary</u> | | | | | | | | | | | | |
| A. | Bashkir ASSR | 3,247 | 3,647 | 3,947 | 4,247 | 4,247 | 4,247 | 4,482 | | | | |
| B. | Kuybyshev Oblast | 3,951 | 4,251 | 4,251 | 4,251 | 4,251 | 4,251 | 4,251 | | | | |
| C. | Saratov Oblast | 2,150 | 2,195 | 2,195 | 2,195 | 2,195 | 2,195 | 2,195 | | | | |
| D. | Tatar ASSR | 2,742 | 3,202 | 3,562 | 3,822 | 3,922 | 3,922 | 4,022 | | | | |
| E. | Volgograd Oblast | 3,617 | 3,717 | 3,817 | 3,867 | 4,002 | 4,102 | | | | | |
| F. | Others (Astrakhan, Penza, Ulyanovsk Obl) | 473 | 473 | 533 | 633 | 633 | 633 | 633 | | | | |
| Total in Plants 24 MW and over | | 16,180 | 17,485 | 18,305 | 19,015 | 19,250 | 19,685 | | | | | |
| Small Plants | | 1,210 | 1,220 | 1,230 | 1,180 | 1,185 | 1,170 | | | | | |
| Total Capacity -- Volga Economic Region | | <u>17,390</u> | <u>18,705</u> | <u>19,535</u> | <u>20,195</u> | <u>20,435</u> | <u>20,855</u> | | | | | |

Confidential

| | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|-----------------------------------|-------------|-------|--|-------|-------|-------|-------|-------|-------|-------|------|------|-----|
| | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 198 |
| A. Bashkir ASSR | | | | | | | | | | | | | |
| 1. Karmarovo GRES | 56-15 | 54-35 | 900 | 1,200 | 1,500 | 1,800 | 1,800 | 1,800 | 1,800 | | | | |
| 2. Kumurtau TETS | 52-47 | 55-47 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | | | | |
| 3. Novo Salavat TETS | 53-21 | 55-55 | 200 | 300 | 300 | 300 | 300 | 300 | 300 | 435 | | | |
| 4. Pavlovsk Ufa GES | 55-24 | 56-34 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | 166 | | | |
| 5. Salavat TETS | 52-23 | 55-45 | 354 | 354 | 354 | 354 | 354 | 354 | 354 | 354 | | | |
| 6. Sterlitamak TETS 1 | 53-38 | 55-57 | 511 | 511 | 511 | 511 | 511 | 511 | 511 | 511 | | | |
| 7. Sterlitamak TETS 2 | 53-38 | 55-57 | - | - | - | - | - | - | - | 100 | | | |
| 8. Ufa TETS 1 | 54-44 | 55-56 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | | | |
| 9. Ufa TETS 2 | 54-50 | 56-05 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | 258 | | | |
| 10. Ufa TETS 3 | 54-51 | 56-03 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | 139 | | | |
| 11. Ufa TETS 4 | 54-55 | 56-04 | 440 | 440 | 440 | 440 | 440 | 440 | 440 | 440 | | | |
| Total in Plants 24 MW and over | | | 3,247 | 3,647 | 3,947 | 4,247 | 4,247 | 4,247 | 4,247 | 4,482 | | | |

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| Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | | | | | | | | | | | |
| VI. Volga Economic Region | | | | | | | | | | | | | | | | | | | | | | |
| B. Kuybyshev Oblast | | | | | | | | | | | | | | | | | | | | | | |
| 1. | Kuybyshev TETS Bezinyanka | 53-12 | 50-06 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | |
| 2. | Kuybyshev GRES | 53-12 | 50-06 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 | |
| 3. | Novo Kuybyshev TETS 1 | 53-07 | 49-56 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | 255 | |
| 4. | Novo Kuybyshev TETS 2 | 53-07 | 49-56 | 400 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 | |
| 5. | Syzran TETS | 53-04 | 48-24 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | |
| 6. | Tolyatti TETS 1 | 53-33 | 49-27 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | |
| 7. | Tolyatti TETS 2 | 53-31 | 49-20 | 320 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | |
| 8. | Volga GRES im Lenin | 53-26 | 49-29 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | 2,300 | |
| Total in Plants 24 MW and over | | | | 3,951 | 4,251 | 4,251 | 4,251 | 4,251 | 4,251 | 4,251 | 4,251 | 4,251 | 4,251 | 4,251 | 4,251 | 4,251 | 4,251 | 4,251 | 4,251 | 4,251 | 4,251 | |

| V.I. Vclya Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | |
|--------------------------------|------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 |
| N | E | | | | | | | | | | |
| C. Saratov Oblast | | | | | | | | | | | |
| 1. | Belakovo TETS 4 | 51-59 | 47-47 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 2. | Engels TETS 3 | 51-28 | 46-09 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 3. | Saratov GRES | 51-31 | 46-02 | 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| 4. | Saratov TETS 1 | 51-30 | 45-58 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 5. | Saratov TETS 2 | 51-27 | 45-55 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 6. | Saratov TETS Krasnodar | 51-27 | 45-57 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 7. | Saratov TETS 5 | | | - | - | - | - | - | - | - | - |
| 8. | Saratov GES | 52-03 | 47-48 | 1,315 | 1,360 | 1,360 | 1,360 | 1,360 | 1,360 | 1,360 | 1,360 |
| Total in Plants 24 MW and over | | | | 2,150 | 2,195 | 2,195 | 2,195 | 2,195 | 2,195 | 2,195 | 2,195 |

| Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|---------------------------|-------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| VI. Volga Economic Region | | | | | | | | | | | | |
| D. Tatar ASSR | | | | | | | | | | | | |
| 1. | Kama Vehicle TETS | 55-42 | 52-30 | - | - | 120 | 220 | 320 | | | | |
| 2. | Kazan TETS 1 | 55-45 | 49-08 | 80 | 80 | 80 | 80 | 80 | | | | |
| 3. | Kazan TETS 2 | 55-51 | 49-04 | 325 | 325 | 325 | 325 | 325 | | | | |
| 4. | Kazan TETS 3 | 55-52 | 48-57 | - | 60 | 120 | 260 | 260 | | | | |
| 5. | Nizhne Kama TETS | 55-36 | 51-47 | 300 | 300 | 400 | 400 | 400 | | | | |
| 6. | Urussy GRES | 54-36 | 53-23 | 237 | 237 | 237 | 237 | 237 | | | | |
| 7. | Zainsk GRES | 55-17 | 52-02 | 1,800 | 2,200 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 |
| Total in Plants | | | | 2,742 | 3,202 | 3,562 | 3,822 | 3,922 | 3,922 | 4,022 | 4,022 | 4,022 |
| 24 MW and over | | | | | | | | | | | | |

Confidential

| Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|---|-------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 198 |
| VI. Volga Economic Region | | | | | | | | | | | | |
| E. Volgograd Oblast | | | | | | | | | | | | |
| | N | E | | | | | | | | | | |
| 1. | 50-07 | 45-24 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 | 136 |
| 2. | 48-34 | 44-27 | 290 | 290 | 290 | 340 | 340 | 340 | 340 | 340 | 340 | 340 |
| 3. | 48-31 | 44-36 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 |
| 4. | | | - | - | - | - | - | - | - | - | 100 | 100 |
| 5. | 48-50 | 44-40 | 2,541 | 2,541 | 2,541 | 2,541 | 2,541 | 2,541 | 2,541 | 2,541 | 2,541 | 2,541 |
| 6. | 48-49 | 44-44 | 250 | 350 | 450 | 450 | 450 | 450 | 585 | 585 | 585 | 585 |
| Total in Plants 24 MW and over | | | <u>3,617</u> | <u>3,717</u> | <u>3,817</u> | <u>3,867</u> | <u>4,002</u> | <u>4,002</u> | <u>4,102</u> | <u>4,102</u> | <u>4,102</u> | <u>4,102</u> |
| F. Others (Astrakhan, Penza, Ulyanovsk Oblasts) | | | | | | | | | | | | |
| 1. | 46-23 | 48-05 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 140 |
| 2. | 54-13 | 49-36 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 3. | 53-13 | 45-01 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 |
| 4. | 53-10 | 45-01 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |
| 5. | 53-09 | 45-01 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 6. | 54-19 | 48-22 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 7. | 54-20 | 48-24 | - | - | 60 | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| Total in Plants 24 MW and over | | | <u>473</u> | <u>473</u> | <u>533</u> | <u>633</u> | <u>633</u> | <u>633</u> | <u>633</u> | <u>633</u> | <u>633</u> | <u>633</u> |

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| VII. Central Economic Region | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
|-----------------------------------|----------------------------|--|---------------|---------------|---------------|---------------|---------------|------|------|------|------|------|
| | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
| <u>Summary</u> | | | | | | | | | | | | |
| A. | Central Region | 15,526 | 16,299 | 17,629 | 19,592 | 20,430 | 21,630 | | | | | |
| B. | Volga-Vyatsk Region | 3,018 | 3,016 | 3,019 | 3,060 | 3,060 | 3,110 | | | | | |
| C. | Central-Black Earth Region | 2,183 | 2,600 | 3,040 | 3,020 | 3,020 | 3,120 | | | | | |
| Total --- Central Economic Region | | <u>20,727</u> | <u>21,915</u> | <u>23,688</u> | <u>25,672</u> | <u>26,510</u> | <u>27,860</u> | | | | | |

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| VII. Central Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | | |
|------------------------------|-------------------------------|--|-------|------|------|-------|-------|-------|-------|------|------|------|------|------|
| | | Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| | | N | E | | | | | | | | | | | |
| A. | Central Region | | | | | | | | | | | | | |
| a. | Moscow Power System* | | | | | | | | | | | | | |
| 1. | Moscow TETS 1 Smidovich | 55-45 | 37-38 | 110 | 110 | 110 | 110 | 110 | 110 | | | | | |
| 2. | Moscow TETS 2 Tramvaynaya | 55-45 | 37-37 | 35 | 35 | 35 | 35 | 35 | 35 | | | | | |
| 3. | Moscow TETS 8 | 55-43 | 37-42 | 25 | 25 | 25 | 25 | 25 | 25 | | | | | |
| 4. | Moscow TETS 9 VTI | 55-42 | 37-39 | 250 | 250 | 250 | 250 | 250 | 250 | | | | | |
| 5. | Moscow TETS 11 | 55-45 | 37-44 | 300 | 300 | 300 | 300 | 300 | 300 | | | | | |
| 6. | Moscow TETS 12 Frunze | 55-44 | 37-34 | 312 | 312 | 312 | 312 | 312 | 312 | | | | | |
| 7. | Moscow TETS 16 Leningrad | 55-47 | 37-30 | 300 | 300 | 300 | 300 | 300 | 300 | | | | | |
| 8. | Moscow TETS 20 Kaluzhskaya | 55-42 | 37-35 | 660 | 680 | 680 | 680 | 680 | 680 | | | | | |
| 9. | Moscow TETS 21 Khovrinsk | 55-50 | 37-30 | 600 | 600 | 600 | 600 | 850 | 850 | | | | | |
| 10. | Moscow TETS 22 Lyubertsy | 55-41 | 37-54 | 500 | 750 | 1,000 | 1,250 | 1,250 | 1,250 | | | | | |
| 11. | Moscow TETS 23 Izmailov | 55-49 | 37-46 | 400 | 400 | 400 | 400 | 400 | 650 | | | | | |
| 12. | Moscow TETS 25 Kuntsevo | 55-44 | 37-26 | - | - | - | - | - | 250 | | | | | |
| 13. | Moscow TETS ZIL | 55-42 | 37-39 | 75 | 75 | 75 | 75 | 75 | 75 | | | | | |
| 14. | Moscow Skhodnenskaya GES | 55-50 | 37-26 | 29 | 29 | 29 | 29 | 29 | 29 | | | | | |

* Includes Moscow, Ryazan and Tula Oblasts.

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| VII. Central Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|------------------------------|--------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Coordinates | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| | | N | E | | | | | | | | | |
| A. Central Region | | | | | | | | | | | | |
| a. Moscow Power System* | | | | | | | | | | | | |
| 15. | Aleksin TETS 15 | 54-30 | 37-02 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| 16. | Cherepet GRES 19 | 54-08 | 36-30 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 |
| 17. | Dyagilev TETS | 54-39 | 39-37 | - | - | - | - | - | - | - | 60 | 60 |
| 18. | Ivanovo GES | 56-44 | 37-07 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 19. | Kashira GRES 4 | 54-51 | 38-15 | 1,178 | 1,178 | 1,178 | 1,178 | 1,178 | 1,178 | 1,478 | 1,478 | 1,778 |
| 20. | Klason GRES 3 | 55-53 | 38-47 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 21. | Klin TETS | 56-20 | 36-43 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 22. | Novomoskovsk GRES 10 | 54-05 | 38-14 | 435 | 435 | 435 | 435 | 435 | 435 | 435 | 435 | 435 |
| 23. | Novo Ryazan TETS | 54-34 | 39-45 | 400 | 400 | 400 | 400 | 400 | 400 | 600 | 600 | 600 |
| 24. | Orekhovo Zuyevov TETS 6 | 55-48 | 39-01 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 25. | Ramenskoye Tsagi TETS | 55-36 | 38-08 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 26. | Ryazan GRES | 54-03 | 39-49 | - | - | - | 900 | 900 | 1,200 | 1,200 | 1,200 | 1,200 |
| 27. | Rybinsk GES | 58-05 | 38-49 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 |
| 28. | Shatsk Gas Turbine Plant | 54-02 | 41-43 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 29. | Shatura GRES 5 | 55-35 | 39-34 | 132 | 332 | 532 | 732 | 732 | 732 | 732 | 732 | 732 |
| 30. | Shchekino GRES 18 | 53-57 | 37-39 | 1,040 | 1,040 | 1,040 | 1,040 | 1,040 | 1,040 | 1,040 | 1,040 | 1,040 |

* Includes Moscow, Ryazan and Tula Oblasts.

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| | | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | |
|---|-----------------|-------------|-------|--|--------|--------|--------|--------|--------|------|------|------|------|------|-----|
| | | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | |
| VII. Central Economic Region | | | | | | | | | | | | | | | |
| A. Central Region | | | | | | | | | | | | | | | |
| a. Moscow Power System* | | | | | | | | | | | | | | | |
| 31. | Shchekino TETS | 54-01 | 37-31 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 | 120 |
| 32. | Stupino TETS 17 | 54-31 | 38-10 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 |
| 33. | Tula TETS | 54-09 | 37-43 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 34. | Uglich GES | 57-31 | 38-18 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 | 110 |
| 35. | Vladimir TETS 2 | 56-10 | 40-25 | 133 | 133 | 233 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 |
| Total -- Moscow Power System -- Plants 24 MW and over | | | | 9,754 | 10,224 | 10,874 | 12,424 | 13,274 | 14,134 | | | | | | |

* Includes Moscow, Ryazan and Tula Oblasts.

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| VII. Central Economic Region | | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | | | | | | |
|---|-------------------------------|-------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | | | | | | |
| A. | Central Region | | | | | | | | | | | | | | | | | | | |
| | b. Others* | | | | | | | | | | | | | | | | | | | |
| 1. | Bezhitsea TETS | 53-18 | 34-20 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | |
| 2. | Bryansk GRES Belyye Berega | 53-13 | 34-40 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 | |
| 3. | Dorogobuzh GRES | 54-59 | 33-23 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | |
| 4. | Ivanovo GRES | 57-01 | 40-23 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | 134 | |
| 5. | Ivanovo TETS 2 | 57-00 | 41-00 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | |
| 6. | Kalinin TETS 3 | 56-54 | 35-55 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 7. | Kalinin TETS 4 | 56-51 | 35-58 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | |
| 8. | Konakovo GRES | 56-42 | 36-46 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | |
| 9. | Kostroma GRES | 57-28 | 41-10 | 1,200 | 1,500 | 2,100 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | 2,400 | |
| 10. | Kostroma TETS | 57-47 | 40-55 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 11. | Orel TETS | 52-59 | 36-06 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | |
| 12. | Smolensk TETS 2 | 54-48 | 32-03 | - | - | 60 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | |
| 13. | Smolensk GRES | 55-12 | 32-25 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 14. | Yaroslavl Yarak TETS 1 | 57-39 | 39-53 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | |
| 15. | Yaroslavl TETS 2 | 57-39 | 39-50 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | |
| 16. | Yaroslavl TETS 3 | 57-33 | 39-46 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | |
| 17. | Yaroslavl Municipal GRES | 57-37 | 39-57 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | |
| Total -- Others -- Plants 24 MW and over | | | | 5,098 | 5,398 | 6,058 | 6,518 | 6,518 | 6,518 | 6,518 | 6,518 | 6,518 | 6,518 | 6,518 | 6,518 | 6,518 | 6,518 | 6,518 | 6,518 | 6,878 |

* Includes Bryansk, Ivanovo, Kalinin, Kaluga, Kostroma, Orel, Smolensk, Vladimir, and Yaroslavl Oblasts.

| VII. Central Economic Region | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|-------------------------------------|-------------|---|--|---------------|---------------|---------------|---------------|---------------|------|------|------|------|------|
| | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| A. Central Region | | | | | | | | | | | | | |
| Total in Plants 24 MW and over | | | 14,852 | 15,622 | 16,932 | 18,942 | 19,792 | 21,012 | | | | | |
| Small Plants | | | 674 | 677 | 697 | 650 | 638 | 618 | | | | | |
| Total Capacity -- Central Region | | | <u>15,526</u> | <u>16,299</u> | <u>17,629</u> | <u>19,592</u> | <u>20,430</u> | <u>21,630</u> | | | | | |

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| I. Central Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | | |
|--|------------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| | | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| B. Volga-Vyatsk Region | | | | | | | | | | | | | | |
| 1. | Cheboksary TETS | 56-09 | 47-15 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | | | | |
| 2. | Cheboksary GES | | | - | - | - | - | - | - | - | | | | |
| 3. | Dzerzhinsk TETS Igurimovo | 56-15 | 43-37 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | | | | |
| 4. | Dzerzhinsk TETS | 56-14 | 43-31 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | | | | |
| 5. | Gorkiy TETS GAZ | 56-15 | 43-54 | 149 | 149 | 149 | 149 | 149 | 149 | 149 | | | | |
| 6. | Gorkiy Novogorkiy TETS | 56-10 | 44-10 | 240 | 240 | 240 | 240 | 240 | 240 | 240 | | | | |
| 7. | Gorkiy GES Balakina | 56-30 | 43-35 | 459 | 459 | 459 | 459 | 459 | 459 | 459 | | | | |
| 8. | Gorkovskaya GES | 56-39 | 43-23 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | | | | |
| 9. | Kirov TETS 3 Chepetsk | 58-34 | 50-00 | 198 | 198 | 198 | 198 | 198 | 198 | 198 | | | | |
| 10. | Kirov TETS 4 | 58-37 | 49-36 | 339 | 339 | 339 | 339 | 339 | 339 | 339 | | | | |
| 11. | Novo Cheboksary TETS 2 | 56-45 | 47-31 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | | | | |
| 12. | Saransk TETS 2 | 54-11 | 45-12 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | | | | |
| 13. | Sarova TETS | 54-55 | 43-20 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | | | | |
| 14. | Sormovsk TETS | 56-22 | 43-50 | - | - | - | 50 | 50 | 50 | 100 | | | | |
| Total in Plants 24 MW and over | | | | 2,671 | 2,671 | 2,671 | 2,721 | 2,721 | 2,721 | 2,771 | | | | |
| Small Plants | | | | 347 | 345 | 348 | 339 | 339 | 339 | 339 | | | | |
| Total Capacity -- Volga-Vyatsk Region | | | | 3,018 | 3,016 | 3,019 | 3,060 | 3,060 | 3,060 | 3,110 | | | | |

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| VII. Central Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | | |
|--|-------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| | | Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| | | N | E | | | | | | | | | | | |
| C. Central-Black Earth Region | | | | | | | | | | | | | | |
| 1. | Gubkin TETS | 51-17 | 37-32 | 48 | 48 | 48 | 48 | 48 | 48 | | | | | |
| 2. | Kotovsk GRES | 52-36 | 41-31 | 48 | 48 | 48 | 48 | 48 | 48 | | | | | |
| 3. | Kursk TETS 1 | 51-39 | 36-08 | 207 | 207 | 207 | 207 | 207 | 207 | | | | | |
| 4. | Kursk AES | 51-39 | 35-36 | - | - | - | - | - | - | | | | | |
| 5. | Lipetsk TETS | 52-33 | 39-36 | 224 | 224 | 224 | 224 | 224 | 224 | | | | | |
| 6. | Novo Lipetsk TETS | 52-33 | 39-36 | - | - | - | - | - | - | 100 | | | | |
| 7. | Novo Voronezh AES | 51-18 | 39-13 | 575 | 1,015 | 1,455 | 1,455 | 1,455 | 1,455 | 1,455 | | | | |
| 8. | Tambov TETS | 52-45 | 41-28 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | | | | |
| 9. | Voronezh TETS 1 | 51-38 | 39-14 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | | | | |
| 10. | Voronezh TETS 2 | 51-41 | 39-09 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | | | | |
| Total in Plants 24 MW and over | | | | 1,547 | 1,987 | 2,427 | 2,427 | 2,427 | 2,427 | 2,427 | | | | |
| Small Plants | | | | 636 | 613 | 613 | 593 | 593 | 593 | 593 | | | | |
| Total Capacity -- Central-Black Earth Region | | | | 2,183 | 2,600 | 3,040 | 3,020 | 3,020 | 3,020 | 3,020 | | | | |

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| VIII. Urals Economic Region | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
|-----------------------------------|--------------------|--|--------|--------|--------|--------|--------|--------|--------|------|------|------|
| | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
| <u>Summary</u> | | | | | | | | | | | | |
| A. | Chelyabinsk Oblast | 4,321 | 4,321 | 4,321 | 4,321 | 4,821 | 4,821 | 4,821 | 4,821 | | | |
| B. | Orenburg Oblast | 1,223 | 1,523 | 2,173 | 2,283 | 2,703 | 2,703 | 2,703 | 2,703 | | | |
| C. | Perm Oblast | 2,184 | 2,396 | 2,396 | 2,396 | 2,396 | 2,396 | 2,396 | 2,396 | | | |
| D. | Sverdlovsk Oblast | 5,791 | 6,391 | 6,691 | 6,691 | 6,991 | 7,391 | 7,391 | 7,391 | | | |
| E. | Udmurt Oblast | 1,166 | 1,166 | 1,166 | 1,166 | 1,166 | 1,166 | 1,166 | 1,166 | | | |
| F. | Kurgan Oblast | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | | | |
| Total in Plants 24 MW and over | | 14,960 | 16,072 | 17,022 | 17,132 | 18,352 | 18,752 | 18,752 | 18,752 | | | |
| Small Plants | | 2,740 | 873 | 828 | 823 | 818 | 808 | 808 | 808 | | | |
| Total Capacity -- Urals Region | | 17,700 | 16,945 | 17,850 | 17,955 | 19,170 | 19,560 | 19,560 | 19,560 | | | |

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| | | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | |
|-----------------------------------|---------------------------|-------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 |
| VIII. Urals Region | | | | | | | | | | | | | |
| A. Chelyabinsk Oblast | | | | | | | | | | | | | |
| 1. | Argayash TETS | 55-39 | 60-46 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| 2. | Chelyabinsk GRES | 55-12 | 61-24 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 |
| 3. | Chelyabinsk TETS Bakal | 55-15 | 61-27 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| 4. | Chelyabinsk TETS 1 | 55-08 | 61-29 | 329 | 329 | 329 | 329 | 329 | 329 | 329 | 329 | 329 | 329 |
| 5. | Chelyabinsk TETS 2 | 55-09 | 61-29 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 |
| 6. | Magnitogorsk TETS 1 | 53-26 | 59-02 | 223 | 223 | 223 | 223 | 223 | 223 | 223 | 223 | 223 | 223 |
| 7. | Magnitogorsk TETS 3 | 53-24 | 59-02 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| 8. | Troitsk GRES | 54-06 | 61-34 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 |
| 9. | Yuryuzan GRES | 54-51 | 58-26 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 10. | Yuzhnouralsk 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 in Plants 24 MW and over | | | | 4,321 | 4,321 | 4,321 | 4,321 | 4,321 | 4,321 | 4,321 | 4,321 | 4,321 | 4,321 |

| VIII. Urals Region | | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|-----------------------------------|---------------------------|-------------|-------|--|-------|-------|-------|-------|-------|-------|------|------|------|--|
| | | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | |
| B. Orenburg Oblast | | | | | | | | | | | | | | |
| 1. | Irikhinsk GRES | 51-45 | 58-48 | 600 | 900 | 1,500 | 1,500 | 1,800 | 1,800 | 1,800 | | | | |
| 2. | Irikhinsk GES | 51-41 | 58-38 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | | | | |
| 3. | Kargalinsk TETS | 51-57 | 55-11 | - | - | - | 60 | 180 | 180 | 180 | | | | |
| 4. | Orsk TETS 1 | 51-15 | 58-31 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | | | | |
| 5. | Orsk TETS Novo Troitsk | 51-13 | 58-22 | 98 | 98 | 98 | 98 | 98 | 98 | 98 | | | | |
| 6. | Sakmara TETS | 51-50 | 55-05 | 120 | 120 | 170 | 220 | 220 | 220 | 220 | | | | |
| Total in Plants 24 MW and over | | | | 1,223 | 1,523 | 2,173 | 2,283 | 2,703 | 2,703 | 2,703 | | | | |

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VIII. Urals Economic Region

| | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|-----------------------------------|-------------|-------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| C. Perm Oblast | | | | | | | | | | | | | |
| 1. Berezniki TETS 2 | 59-23 | 56-53 | 173 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 | 185 |
| 2. Berezniki TETS 4 | 59-24 | 56-44 | 117 | 117 | 117 | 117 | 117 | 117 | 117 | 117 | 117 | 117 | 117 |
| 3. Chaykovskiy TETS | 58-08 | 55-31 | - | - | - | - | - | - | - | - | - | - | - |
| 4. Kama GES | 58-07 | 56-20 | 504 | 504 | 504 | 504 | 504 | 504 | 504 | 504 | 504 | 504 | 504 |
| 5. Kizel GRES | 58-52 | 57-33 | 117 | 117 | 117 | 117 | 117 | 117 | 117 | 117 | 117 | 117 | 117 |
| 6. Perm TETS 9 | 57-56 | 56-09 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |
| 7. Perm TETS 14 | 58-01 | 55-53 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| 8. Shirolkovskaya GES | 58-50 | 57-40 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 9. Solikamsk TETS 11 | 59-49 | 56-40 | 100 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 10. Yayva GRES | 59-20 | 57-15 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 |
| 11. Zakamsk TETS 5 | 58-07 | 57-44 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 | 175 |
| Total in Plants 24 MW and over | | | <u>2,184</u> | <u>2,396</u> | <u>2,396</u> | <u>2,396</u> | <u>2,396</u> | <u>2,396</u> | <u>2,396</u> | <u>2,396</u> | <u>2,396</u> | <u>2,396</u> | <u>2,396</u> |

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| | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|-------------------------------------|-------------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| I. Urals Economic Region | | | | | | | | | | | | | |
| D. Sverdlovsk Oblast | | | | | | | | | | | | | |
| 1. Beloyarsk AES | 56-49 | 61-21 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 2. Bogoslavsk TETS | 59-47 | 60-11 | 292 | 292 | 292 | 292 | 292 | 292 | 292 | 292 | 292 | 292 | 292 |
| 3. Kachkanar TETS | 58-42 | 59-30 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 4. Krasnogorsk TETS | 56-22 | 61-59 | 314 | 314 | 314 | 314 | 314 | 314 | 314 | 314 | 314 | 314 | 314 |
| 5. Nizhny Tagil Kaganovitch TETS | 57-56 | 60-06 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 6. Nizhny Tagil Metal. TETS | 57-55 | 60-01 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 | 112 |
| 7. Nizhnyaya Tura GRES | 58-37 | 59-52 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 | 530 |
| 8. Pervouralsk TETS | 56-53 | 59-58 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 9. Reft GRES | 57-06 | 61-43 | 300 | 900 | 1,200 | 1,200 | 1,500 | 1,800 | 1,200 | 1,200 | 1,200 | 1,200 | 1,800 |
| 10. Serov Tses | 59-35 | 60-36 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| 11. Serov GRES | 59-37 | 60-47 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 |
| 12. Stedne Ural'sk GRES | 57-00 | 60-28 | 1,360 | 1,360 | 1,360 | 1,360 | 1,360 | 1,360 | 1,360 | 1,360 | 1,360 | 1,360 | 1,360 |
| 13. Sverdlovsk Ural'mash TETS | 56-52 | 60-36 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 14. Sverdlovsk TETS 2 | 56-53 | 60-45 | - | - | - | - | - | - | - | - | - | - | 100 |
| 15. Verkhne Tagil GRES | 57-21 | 59-56 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 | 1,625 |
| 16. Yegorshino GRES | 57-20 | 61-54 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |
| Total in Plants 24 MW and over | | | 5,791 | 6,391 | 6,691 | 6,691 | 6,991 | 7,391 | 6,691 | 6,991 | 7,391 | 7,391 | 7,391 |

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| VIII. Ural's Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | | |
|-----------------------------------|---------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| | | N | E | | | | | | | | | | | |
| E. <u>Udmurt Oblast</u> | | | | | | | | | | | | | | |
| 1. | Glazov TETS | 58-09 | 52-40 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| 2. | Izhevsk Tses | 56-51 | 53-10 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 3. | Sarapul GRES | 56-29 | 53-48 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 4. | Votkinsk GBS | 56-47 | 54-05 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 | 1,000 |
| 5. | Votkinsk TETS | 57-03 | 53-59 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| Total in Plants 24 MW and over | | | | 1,166 | 1,166 | 1,166 | 1,166 | 1,166 | 1,166 | 1,166 | 1,166 | 1,166 | 1,166 | 1,166 |
| F. <u>Kurgan Oblast</u> | | | | | | | | | | | | | | |
| 1. | Kurgan TETS | 55-26 | 65-20 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 |

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| IX. West Siberia Economic Region | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|---|--|--------|--------|--------|--------|--------|------|------|------|------|------|
| | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| <u>Summary</u> | | | | | | | | | | | |
| A. Kemerovo Oblast | 4,266 | 4,266 | 4,366 | 4,366 | 4,466 | 4,466 | | | | | |
| B. Altai Krai | 633 | 633 | 633 | 633 | 633 | 633 | | | | | |
| C. Novosibirsk Oblast | 1,561 | 1,561 | 1,761 | 2,061 | 2,161 | 2,161 | | | | | |
| D. Omsk Oblast | 792 | 892 | 992 | 992 | 992 | 1,092 | | | | | |
| E. Tomsk Oblast | 974 | 974 | 974 | 974 | 974 | 974 | | | | | |
| F. Tyumen Oblast | 350 | 474 | 674 | 1,074 | 1,274 | 1,674 | | | | | |
| Total in Plants 24 MW and over* | 9,576 | 9,800 | 10,400 | 11,100 | 11,500 | 12,000 | | | | | |
| Small Plants | 2,424 | 2,170 | 2,195 | 2,195 | 2,185 | 2,175 | | | | | |
| Total -- West Siberia Economic Region | 12,000 | 11,970 | 12,595 | 13,295 | 13,685 | 14,175 | | | | | |

* Includes 1,000 MW at the Siberian nuclear powerplant, located somewhere in West Siberia.

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| IX. West Siberia Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|----------------------------------|--------------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| N | E | | | | | | | | | | | |
| A. Kemerovo Oblast | | | | | | | | | | | | |
| 1. | Belovo GRES | 54-26 | 86-25 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 |
| 2. | Kemerovo GRES | 55-24 | 85-59 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 | 190 |
| 3. | Kemerovo TETS | 55-22 | 86-04 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 |
| 4. | Kuznets TETS | 53-46 | 87-15 | 253 | 253 | 253 | 253 | 253 | 253 | 253 | 253 | 253 |
| 5. | Kuznets Metal, Comb TETS | 53-46 | 87-05 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 | 132 |
| 6. | Novo Kemerovo TETS | 55-21 | 85-59 | 310 | 310 | 310 | 310 | 310 | 310 | 310 | 310 | 310 |
| 7. | Tom Usinsk GRES | 53-40 | 87-49 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 | 1,300 |
| 8. | W. Sib. Metal, Comb TETS | 53-54 | 87-15 | 160 | 160 | 260 | 260 | 260 | 360 | 360 | 360 | 360 |
| 9. | Yurga TETS | 55-42 | 84-51 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 10. | Yuzhno Kuzbass GRES | 53-31 | 87-16 | 547 | 547 | 547 | 547 | 547 | 547 | 547 | 547 | 547 |
| Total in Plants 24 MW and over | | | | 4,266 | 4,266 | 4,366 | 4,366 | 4,366 | 4,466 | 4,466 | 4,466 | 4,466 |

| IX. West Siberia Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|-----------------------------------|--------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 198 |
| N | E | | | | | | | | | | | |
| <u>B. Altai Kray</u> | | | | | | | | | | | | |
| 1. | Barnaul TETS 2 | 53-22 | 83-46 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 | 370 |
| 2. | Biysk TETS | 52-31 | 85-10 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| 3. | Rubtsovsk TETS | 51-32 | 81-12 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| Total in Plants 24 MW and over | | | | 633 | 633 | 633 | 633 | 633 | 633 | 633 | 633 | 633 |
| <u>C. Novosibirsk Oblast</u> | | | | | | | | | | | | |
| 1. | Barabinsk GES | 55-27 | 78-22 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| 2. | Novosibirsk GES | 54-51 | 83-00 | 424 | 424 | 424 | 424 | 424 | 424 | 424 | 424 | 424 |
| 3. | Novosibirsk TETS 2 | 55-00 | 82-52 | 325 | 325 | 325 | 325 | 325 | 325 | 325 | 325 | 325 |
| 4. | Novosibirsk TETS 3 | 55-00 | 82-50 | 200 | 200 | 400 | 700 | 800 | 800 | 800 | 800 | 800 |
| 5. | Novosibirsk TETS 4 | 55-06 | 82-59 | 412 | 412 | 412 | 412 | 412 | 412 | 412 | 412 | 412 |
| Total in Plants 24 MW and over | | | | 1,561 | 1,561 | 1,761 | 2,061 | 2,161 | 2,161 | 2,161 | 2,161 | 2,161 |

| IX. West Siberia Economic Region | | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | |
|-----------------------------------|--------------|-------------|-------|--|------|------|-------|-------|-------|-------|-------|-------|-------|
| | | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 |
| <u>D. Omsk Oblast</u> | | | | | | | | | | | | | |
| 1. | Omsk TETS 2 | 54-56 | 73-24 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| 2. | Omsk TETS 3 | 55-04 | 73-16 | 452 | 452 | 452 | 452 | 452 | 452 | 452 | 452 | 452 | 452 |
| 3. | Omsk TETS 4 | 55-06 | 82-59 | 250 | 350 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 550 |
| 4. | Omsk TETS 5 | - | - | - | - | - | - | - | - | - | - | - | - |
| Total in Plants 24 MW and over | | | | 792 | 892 | 992 | 992 | 992 | 992 | 992 | 992 | 992 | 1,092 |
| <u>E. Tomsk Oblast</u> | | | | | | | | | | | | | |
| 1. | Tomsk North | 56-37 | 84-48 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 | 650 |
| 2. | Tomsk GRES 2 | 56-28 | 84-60 | 324 | 324 | 324 | 324 | 324 | 324 | 324 | 324 | 324 | 324 |
| Total in Plants 24 MW and over | | | | 974 | 974 | 974 | 974 | 974 | 974 | 974 | 974 | 974 | 974 |
| <u>F. Tyumen Oblast</u> | | | | | | | | | | | | | |
| 1. | Surgut TETS | 61-14 | 73-20 | - | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 2. | Surgut GRES | 61-14 | 73-20 | - | - | 200 | 600 | 800 | 800 | 1,200 | 1,200 | 1,200 | 1,200 |
| 3. | Tyumen TETS | 57-09 | 65-36 | 350 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 |
| Total in Plants 24 MW and over | | | | 350 | 474 | 674 | 1,074 | 1,274 | 1,274 | 1,674 | 1,674 | 1,674 | 1,674 |

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| X. Central Asia Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|---------------------------------|-------------|--|--------|--------|--------|--------|--------|------|------|------|------|--|
| | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | |
| <u>Summary</u> | | | | | | | | | | | | |
| A. | Kazakh SSR | 8,760 | 9,155 | 9,301 | 9,814 | 10,630 | 11,200 | | | | | |
| B. | Uzbek SSR | 4,742 | 5,200 | 5,637 | 5,935 | 6,345 | 6,640 | | | | | |
| C. | Kirgiz SSR | 952 | 935 | 1,015 | 1,015 | 1,015 | 2,210 | | | | | |
| D. | Tadzhik SSR | 852 | 842 | 1,502 | 1,800 | 1,800 | 1,800 | | | | | |
| E. | Turkmen SSR | 682 | 663 | 660 | 1,051 | 1,051 | 1,245 | | | | | |
| | Total | 15,988 | 16,795 | 18,115 | 19,615 | 20,841 | 23,095 | | | | | |

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| X. Central Asia Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | | |
|---------------------------------|--------------------------|--|-------|------|------|------|------|------|------|------|------|------|------|------|
| | | Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| | | N | E | | | | | | | | | | | |
| A. Kazakh SSR | | | | | | | | | | | | | | |
| 1. | Aktyubinsk Ferro TEIS | 50-20 | 57-09 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 | 146 |
| 2. | Alma Ata TEIS 1 | 43-13 | 76-56 | 137 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 | 197 |
| 3. | Alma Ata TEIS 2 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4. | Alma Ata GRES | 43-26 | 77-00 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| 5. | Arkalyk TEIS | 50-13 | 66-50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 6. | Atasuykaya TEIS | 48-33 | 71-35 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 7. | Balkhash TEIS | 46-50 | 74-58 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| 8. | Bukhtarma GES | 49-36 | 83-32 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 | 675 |
| 9. | Chardarinsk GES | 41-17 | 67-55 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 10. | Dzhambul GRES | 42-51 | 71-29 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 |
| 11. | Dzhambul TEIS 4 | 42-54 | 71-23 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 12. | Dzhezkazgan TEIS | 47-47 | 67-44 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 |
| 13. | EKibastuz TEIS | 51-40 | 75-22 | 18 | 18 | 24 | 30 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| 14. | Guryev TEIS | 47-06 | 51-57 | 99 | 99 | 99 | 99 | 159 | 159 | 159 | 159 | 159 | 159 | 159 |
| 15. | Kapchagay GES | 43-55 | 77-53 | 217 | 434 | 434 | 434 | 434 | 434 | 434 | 434 | 434 | 434 | 434 |
| 16. | Karaganda GRES 1 | 50-05 | 72-55 | 243 | 243 | 243 | 243 | 243 | 243 | 243 | 243 | 243 | 243 | 243 |
| 17. | Karaganda GRES 2 | 49-31 | 72-49 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 | 700 |
| 18. | Karaganda TEIS 1 | 49-50 | 73-46 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| 19. | Karaganda Metal. TEIS | 50-03 | 73-02 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |

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| X. Central Asia Economic Region | | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|---------------------------------|----------------------------|-------------|-------|--|------|------|------|------|------|------|------|------|------|------|
| | | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| A. Kazakh SSR | | | | | | | | | | | | | | |
| 20. | Karaganda Metal. TETS 2 | 50-03 | 73-02 | - | - | - | 100 | 200 | 200 | | | | | |
| 21. | Kentau TETS | 43-31 | 68-34 | 48 | 48 | 48 | 48 | 48 | 48 | | | | | |
| 22. | Kzyl-Orda TETS | 44-52 | 65-27 | 74 | 74 | 74 | 74 | 124 | 124 | | | | | |
| 23. | Leninogorsk TETS 2 | 50-21 | 83-29 | 100 | 100 | 100 | 100 | 100 | 100 | | | | | |
| 24. | Pavlodar TETS 1 | 52-18 | 76-56 | 270 | 270 | 270 | 270 | 270 | 270 | | | | | |
| 25. | Pavlodar TETS 2 | 52-17 | 76-58 | 200 | 200 | 200 | 200 | 200 | 200 | | | | | |
| 26. | Pavlodar TETS 3 | 52-17 | 76-57 | - | - | 120 | 170 | 170 | 170 | | | | | |
| 27. | Petropavlovsk TETS 1 | 54-55 | 69-10 | 100 | 100 | 100 | 100 | 100 | 100 | | | | | |
| 28. | Petropavlovsk TETS 2 | 54-55 | 69-12 | 470 | 470 | 470 | 470 | 470 | 470 | | | | | |
| 29. | Rudny TETS | 52-57 | 63-07 | 100 | 100 | 100 | 100 | 100 | 100 | | | | | |
| 30. | Sogrinsk TETS | 50-00 | 82-40 | 100 | 100 | 100 | 100 | 100 | 100 | | | | | |
| 31. | Tselinograd TETS 1 | 51-10 | 71-30 | 24 | 30 | 36 | 36 | 36 | 36 | | | | | |
| 32. | Tselinograd TETS 2 | 51-10 | 71-30 | - | - | - | - | - | - | | | | | |
| 33. | Ulbinsk GES | 50-12 | 83-33 | 28 | 28 | 28 | 28 | 28 | 28 | | | | | |
| 34. | Ural'sk TETS | 51-14 | 51-22 | 36 | 36 | 36 | 36 | 36 | 36 | | | | | |
| 35. | Ust Kamenogorsk GES | 49-54 | 82-44 | 331 | 331 | 331 | 331 | 331 | 331 | | | | | |

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| X. Central Asia Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | | |
|-----------------------------------|-------|--|-------|-------|-------|-------|--------|--------|------|------|------|------|------|------|
| | | Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| | | N | E | | | | | | | | | | | |
| A. <u>Kazakh SSR</u> | | | | | | | | | | | | | | |
| 36. Ust Kamenogorsk TEES | 49-56 | 82-36 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 | 275 |
| 37. Yermakov GRES | 52-07 | 76-52 | 900 | 1,200 | 1,200 | 1,500 | 2,100 | 2,400 | | | | | | |
| Total in Plants 24 MW and over | | | 6,922 | 7,505 | 7,637 | 8,093 | 8,909 | 9,509 | | | | | | |
| Small Plants | | | 1,838 | 1,650 | 1,664 | 1,721 | 1,721 | 1,691 | | | | | | |
| Total -- Kazakh SSR | | | 8,760 | 9,155 | 9,301 | 9,814 | 10,630 | 11,200 | | | | | | |

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| X. Central Asia Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|---------------------------------|-------------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| N | E | | | | | | | | | | | |
| B. Uzbek SSR | | | | | | | | | | | | |
| 1. | Akkavakskaya GES | 41-27 | 69-33 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 2. | Almalyk TETS | 40-49 | 69-38 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 3. | Angren GRES | 41-00 | 70-08 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 |
| 4. | Charvak GES | 41-37 | 69-58 | 150 | 450 | 600 | 600 | 600 | 600 | 600 | 600 | 600 |
| 5. | Chirchik GES | 41-30 | 69-37 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 |
| 6. | Farkhad GES | 40-13 | 69-09 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 |
| 7. | Fergana TETS | 40-27 | 71-48 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| 8. | Khodzhihikent GES | | | - | - | - | - | - | - | - | - | - |
| 9. | Kuvasay GRES | 40-17 | 72-00 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| 10. | Navoi GRES | 40-09 | 65-21 | 770 | 830 | 830 | 830 | 830 | 830 | 830 | 830 | 830 |
| 11. | Syrdarinsk GRES | 40-13 | 69-06 | - | - | 300 | 600 | 600 | 900 | 1,200 | 1,200 | 1,200 |
| 12. | Takhia Tash GRES | 42-21 | 59-35 | 258 | 258 | 258 | 258 | 258 | 368 | 368 | 368 | 368 |
| 13. | Tashkent TETS | 41-16 | 69-15 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 14. | Tashkent GRES | 41-23 | 69-22 | 1,760 | 1,920 | 1,920 | 1,920 | 1,920 | 1,920 | 1,920 | 1,920 | 1,920 |
| 15. | Tavakskaya GES | 41-34 | 69-40 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| Total in Plants 24 MW and over | | | | 4,213 | 4,733 | 5,183 | 5,483 | 5,893 | 6,193 | 6,193 | 6,193 | 6,193 |
| Small Plants | | | | 529 | 467 | 454 | 452 | 452 | 452 | 452 | 452 | 447 |
| Total -- Uzbek SSR | | | | 4,742 | 5,200 | 5,637 | 5,935 | 6,345 | 6,640 | 6,640 | 6,640 | 6,640 |

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| X. Central Asia Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | | |
|-----------------------------------|-----------------|--|-------|------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| | | N | E | | | | | | | | | | | |
| C. Kirgiz SSR | | | | | | | | | | | | | | |
| 1. | At-Bashinsk GES | 41-22 | 75-38 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 2. | Frunze TETS | 42-52 | 74-44 | 460 | 460 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 | 520 |
| 3. | Osh TETS | 40-32 | 72-48 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 4. | Tok Togul GES | 41-45 | 72-45 | - | - | - | - | - | - | - | - | 1,200 | - | - |
| 5. | Uch Kurgan GES | 41-11 | 72-10 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 |
| Total in Plants 24 MW and over | | | | 730 | 730 | 790 | 790 | 790 | 790 | 790 | 790 | 1,990 | 1,990 | 1,990 |
| Small Plants | | | | 222 | 205 | 225 | 225 | 225 | 225 | 225 | 225 | 220 | 220 | 220 |
| Total -- Kirgiz SSR | | | | <u>952</u> | <u>935</u> | <u>1,015</u> | <u>1,015</u> | <u>1,015</u> | <u>1,015</u> | <u>1,015</u> | <u>1,015</u> | <u>2,210</u> | <u>2,210</u> | <u>2,210</u> |
| D. Tadzhik SSR | | | | | | | | | | | | | | |
| 1. | Dushambe TETS | 38-33 | 68-47 | 226 | 226 | 226 | 226 | 226 | 226 | 226 | 226 | 226 | 226 | 226 |
| 2. | Golovnaya GES | 38-02 | 69-03 | 210 | 210 | 210 | 210 | 210 | 210 | 210 | 210 | 210 | 210 | 210 |
| 3. | Kairak Kum GES | 40-17 | 69-49 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 | 126 |
| 4. | Nurek GES | 38-13 | 69-25 | - | - | 600 | 900 | 900 | 900 | 900 | 900 | 900 | 900 | 900 |
| 5. | Perepadnaya GES | 37-43 | 68-47 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 6. | Yavan TETS | 38-19 | 69-02 | 120 | 120 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 |
| Total in Plants 24 MW and over | | | | 712 | 712 | 1,372 | 1,672 | 1,672 | 1,672 | 1,672 | 1,672 | 1,672 | 1,672 | 1,672 |
| Small Plants | | | | 140 | 130 | 130 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 |
| Total -- Tadzhik SSR | | | | <u>852</u> | <u>842</u> | <u>1,502</u> | <u>1,800</u> | <u>1,800</u> | <u>1,800</u> | <u>1,800</u> | <u>1,800</u> | <u>1,800</u> | <u>1,800</u> | <u>1,800</u> |

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| X. Central Asia Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|---------------------------------|--------------------|--|-------|------|------|------|-------|-------|-------|-------|-------|-------|
| Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| N | E | | | | | | | | | | | |
| E. Turkmen SSR | | | | | | | | | | | | |
| 1. | Bezmein GRES | 38-03 | 58-11 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 |
| 2. | Chardzhou TETS | 39-06 | 63-34 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| 3. | Krasnovodsk TETS 1 | 40-01 | 52-57 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 4. | Krasnovodsk TETS 2 | 40-00 | 53-00 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 | 170 |
| 5. | Mary GRES | 37-34 | 61-45 | - | - | 400 | 400 | 400 | 400 | 400 | 400 | 400 |
| 6. | Nebit Dag GRES | 39-30 | 54-22 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| Total in Plants 24 MW and over | | | | 463 | 463 | 463 | 863 | 863 | 863 | 863 | 1,063 | 1,063 |
| Small Plants | | | | 219 | 200 | 197 | 188 | 188 | 188 | 188 | 182 | 182 |
| Total -- Turkmen SSR | | | | 682 | 663 | 660 | 1,051 | 1,051 | 1,051 | 1,051 | 1,245 | 1,245 |

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| | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|---|--|--------|--------|--------|--------|--------|------|------|------|------|------|
| | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| <u>Summary</u> | | | | | | | | | | | |
| A. Irkutsk Oblast | 7,094 | 7,194 | 7,244 | 7,344 | 8,114 | 9,124 | | | | | |
| B. Krasnoyarsk Oblast | 8,475 | 9,601 | 9,890 | 9,990 | 9,990 | 10,090 | | | | | |
| C. Buryat ASSR | 197 | 197 | 197 | 222 | 247 | 447 | | | | | |
| D. Chita Oblast | 464 | 464 | 564 | 664 | 664 | 664 | | | | | |
| Total in Plants 24 MW and over | 16,230 | 17,456 | 17,895 | 18,220 | 19,015 | 20,325 | | | | | |
| Small Plants | 1,270 | 934 | 945 | 945 | 935 | 925 | | | | | |
| Total -- East Siberia Economic Region | 17,500 | 18,390 | 18,840 | 19,165 | 19,950 | 21,250 | | | | | |

| XI. East Siberia Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|-----------------------------------|-------------------------------|--|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| N | E | | | | | | | | | | | |
| A. Irkutsk Oblast | | | | | | | | | | | | |
| 1. | Baikalsk TETS | 51-31 | 104-05 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 2. | Bratsk TETS | 56-00 | 101-00 | 100 | 100 | 150 | 200 | 200 | 200 | 200 | 200 | 200 |
| 3. | Bratsk GES | 56-18 | 101-47 | 4,100 | 4,100 | 4,100 | 4,100 | 4,100 | 4,100 | 4,100 | 4,100 | 4,100 |
| 4. | Irkutsk GES | 52-14 | 104-19 | 662 | 662 | 662 | 662 | 662 | 662 | 662 | 662 | 662 |
| 5. | Irkutsk TETS 1 | 52-34 | 103-56 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 6. | Irkutsk TETS 2 | 52-17 | 104-16 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 |
| 7. | Irkutsk TETS 9 Ref. | 52-13 | 103-54 | 300 | 300 | 300 | 350 | 350 | 350 | 350 | 350 | 350 |
| 8. | Irkutsk TETS 10 | 52-30 | 103-55 | 1,180 | 1,180 | 1,180 | 1,180 | 1,180 | 1,180 | 1,180 | 1,180 | 1,180 |
| 9. | Irkutsk TETS 11 Chem Comb. | 52-45 | 103-40 | 250 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 |
| 10. | Irkutsk GES | 52-30 | 103-56 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 11. | Korsunovo TETS | 56-34 | 104-09 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 12. | Novo Irkutsk TETS | 52-17 | 104-14 | - | - | - | - | - | - | 50 | 100 | 100 |
| 13. | Ust Ilimek GES | 57-42 | 102-35 | - | - | - | - | - | - | 720 | 1,680 | 1,680 |
| 14. | Ust Ilimek TETS | 57-42 | 102-35 | - | - | - | - | - | - | - | - | - |
| Total in Plants 24 MW and over | | | | 7,094 | 7,194 | 7,244 | 7,344 | 8,114 | 8,114 | 9,124 | 9,124 | 9,124 |

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| XI. East Siberia Economic Region | | Estimated Capacity at End of Year (MW) | | | | | | | | | |
|-----------------------------------|---------------------------|--|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| Coordinates | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 |
| N | E | | | | | | | | | | |
| B. Krasnoyarsk Krai | | | | | | | | | | | |
| 1. | Abakan TETS | - | - | - | - | - | - | - | - | - | - |
| 2. | Achinsk TETS | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| 3. | Khantayka GES | 126 | 252 | 441 | 441 | 441 | 441 | 441 | 441 | 441 | 441 |
| 4. | Krasnoyarsk TETS 1 | 434 | 434 | 434 | 534 | 534 | 534 | 534 | 534 | 534 | 534 |
| 5. | Krasnoyarsk TETS 2 | - | - | - | - | - | - | - | - | - | - |
| 6. | Krasnoyarsk GRES 2 | 660 | 660 | 660 | 660 | 660 | 660 | 660 | 660 | 660 | 660 |
| 7. | Krasnoyarsk GES | 5,000 | 6,000 | 6,000 | 6,000 | 6,000 | 6,000 | 6,000 | 6,000 | 6,000 | 6,000 |
| 8. | Mayna TETS | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 9. | Nazarovo GES | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 | 1,400 |
| 10. | Norilsk TETS 1 | 525 | 525 | 525 | 525 | 525 | 525 | 525 | 525 | 525 | 525 |
| 11. | Norilsk TETS 2 Talnakh | 200 | 200 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| Total in Plants 24 MW and over | | 8,475 | 9,601 | 9,890 | 9,990 | 9,990 | 9,990 | 9,990 | 9,990 | 10,090 | 10,090 |

Confidential

| Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|---|-------|--|------|------|------|------|------|------|------|------|------|------|
| | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| XI. East Siberia Economic Region | | | | | | | | | | | | |
| C. Buryat ASSR | | | | | | | | | | | | |
| | N | E | | | | | | | | | | |
| 1. | 50-44 | 103-27 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 2. | 51-18 | 106-28 | - | - | - | - | - | - | - | 200 | 200 | 200 |
| 3. | 51-50 | 107-37 | 172 | 172 | 172 | 197 | 222 | 222 | 222 | 222 | 222 | 222 |
| Total in Plants 24 MW and over | | | 197 | 197 | 197 | 222 | 247 | 247 | 247 | 447 | 447 | 447 |
| D. Chita Oblast | | | | | | | | | | | | |
| 1. | 52-01 | 113-31 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 2. | 52-02 | 113-25 | 320 | 320 | 420 | 520 | 520 | 520 | 520 | 520 | 520 | 520 |
| 3. | 51-53 | 116-15 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 4. | 50-24 | 119-06 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| 5. | 51-18 | 108-51 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 6. | 50-39 | 116-19 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Total in Plants 24 MW and over | | | 464 | 464 | 564 | 664 | 664 | 664 | 664 | 664 | 664 | 664 |

| XII. Far East Economic Region | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
|---|------------------|--|-------|-------|-------|-------|-------|-------|------|------|------|------|
| | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
| <u>Summary</u> | | | | | | | | | | | | |
| A. | Amur Oblast | 268 | 268 | 268 | 268 | 268 | 268 | 748 | | | | |
| B. | Kamchatka Oblast | 48 | 48 | 48 | 48 | 48 | 48 | 48 | | | | |
| C. | Khabarovsk Kray | 749 | 749 | 923 | 959 | 984 | 996 | 996 | | | | |
| D. | Magadan Oblast | 159 | 159 | 159 | 171 | 213 | 355 | 355 | | | | |
| E. | Primorskiy Kray | 1,076 | 1,076 | 1,126 | 1,126 | 1,226 | 1,326 | 1,326 | | | | |
| F. | Sakhalin Oblast | 188 | 328 | 378 | 378 | 378 | 403 | 403 | | | | |
| G. | Yakutsk ASSR | 512 | 537 | 562 | 562 | 562 | 642 | 642 | | | | |
| Total in Plants 24 MW and over | | 3,000 | 3,165 | 3,464 | 3,512 | 3,679 | 4,518 | 4,518 | | | | |
| Small Plants | | 1,500 | 1,425 | 1,436 | 1,458 | 1,461 | 1,457 | 1,457 | | | | |
| Total -- Far East Economic Region | | 4,500 | 4,590 | 4,900 | 4,970 | 5,140 | 5,975 | 5,975 | | | | |

| Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | | | | | | | | | |
|--------------------------------------|----------------------|--|--------|------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|
| | | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | | | | | | | | |
| XII. Far East Economic Region | | | | | | | | | | | | | | | | | | | | |
| A. Amur Oblast | | | | | | | | | | | | | | | | | | | | |
| 1. | Blagoveshchensk TETS | 50-16 | 127-32 | - | - | - | - | - | - | - | 50 | | | | | | | | | |
| 2. | Raychikhinsk TETS | 49-47 | 129-26 | 268 | 268 | 268 | 268 | 268 | 268 | 268 | 268 | | | | | | | | | |
| 3. | Zeya GES | 53-49 | 127-20 | - | - | - | - | - | - | - | 430 | | | | | | | | | |
| Total in Plants 24 MW and over | | | | 268 | 268 | 268 | 268 | 268 | 268 | 268 | 748 | | | | | | | | | |
| B. Kamchatka Oblast | | | | | | | | | | | | | | | | | | | | |
| 1. | Petropavlovsk TETS | 53-01 | 158-39 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | | | | | | | | | |
| C. Khabarovsk Krai | | | | | | | | | | | | | | | | | | | | |
| 1. | Amursk TETS 1 | 50-17 | 136-50 | 100 | 100 | 100 | 100 | 100 | 100 | 125 | 125 | | | | | | | | | |
| 2. | Amursk TETS 2 | 50-17 | 136-50 | - | - | 24 | 36 | 36 | 36 | 36 | 36 | | | | | | | | | |
| 3. | Khabarovsk TETS 1 | 48-25 | 135-07 | 375 | 375 | 475 | 475 | 475 | 475 | 475 | 475 | | | | | | | | | |
| 4. | Komsomolsk TETS 1 | 50-34 | 136-58 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | | | | | | | | | |
| 5. | Komsomolsk TETS 2 | 50-33 | 137-02 | 174 | 174 | 224 | 224 | 224 | 224 | 224 | 224 | | | | | | | | | |
| 6. | Nikolayevsk TETS | 53-08 | 140-44 | - | - | - | 24 | 24 | 24 | 24 | 36 | | | | | | | | | |
| Total in Plants 24 MW and over | | | | 749 | 749 | 923 | 959 | 984 | 984 | 984 | 996 | | | | | | | | | |

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| | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|--------------------------------------|-------------|--------|--|--------------|--------------|--------------|--------------|--------------|------|------|------|------|------|
| | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| XII. Far East Economic Region | | | | | | | | | | | | | |
| D. Magadan Oblast | | | | | | | | | | | | | |
| 1. Arkagala GRES | 63-00 | 147-50 | 95 | 95 | 95 | 95 | 95 | 195 | | | | | |
| 2. Bilibiro AFS | 68-02 | 166-32 | - | - | - | 12 | 24 | 36 | | | | | |
| 3. Chaun Power Station | 69-42 | 170-18 | 32 | 32 | 32 | 32 | 32 | 32 | | | | | |
| 4. Magadan TETS | 59-34 | 150-48 | 32 | 32 | 32 | 32 | 62 | 92 | | | | | |
| Total in Plants 24 MW and over | | | <u>159</u> | <u>159</u> | <u>159</u> | <u>171</u> | <u>213</u> | <u>355</u> | | | | | |
| E. Primorskiy Krai | | | | | | | | | | | | | |
| 1. Artem GRES | 43-22 | 132-18 | 597 | 597 | 597 | 597 | 597 | 597 | | | | | |
| 2. Primorskiy GRES | 46-28 | 134-15 | - | - | - | - | 100 | 200 | | | | | |
| 3. Sovetskaya Gavan TETS | 49-01 | 140-14 | 42 | 42 | 42 | 42 | 42 | 42 | | | | | |
| 4. Spassk Dalniy TETS | 44-34 | 132-47 | 30 | 30 | 30 | 30 | 30 | 30 | | | | | |
| 5. Suchan GRES | 43-07 | 133-07 | 207 | 207 | 207 | 207 | 207 | 207 | | | | | |
| 6. Vladivostok TETS | 43-08 | 131-54 | 200 | 200 | 250 | 250 | 250 | 250 | | | | | |
| Total in Plants 24 MW and over | | | <u>1,076</u> | <u>1,076</u> | <u>1,126</u> | <u>1,126</u> | <u>1,226</u> | <u>1,326</u> | | | | | |

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| | Coordinates | | Estimated Capacity at End of Year (MW) | | | | | | | | | | |
|--------------------------------------|-------------|--------|--|------|------|------|------|------|------|------|------|------|------|
| | N | E | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 |
| XII. Far East Economic Region | | | | | | | | | | | | | |
| F. Sakhalin Oblast | | | | | | | | | | | | | |
| 1. Okha TETS | 53-34 | 142-56 | 38 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 |
| 2. Yuzhno Sakhalinsk GRES | 49-00 | 142-58 | 150 | 250 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| 3. Yuzhno Sakhalinsk TETS | 49-01 | 142-59 | - | - | - | - | - | - | - | - | - | - | 25 |
| Total in Plants 24 MW and over | | | 188 | 328 | 378 | 378 | 378 | 378 | 378 | 378 | 378 | 378 | 403 |
| G. Yakutsk ASSR | | | | | | | | | | | | | |
| 1. Chulman TETS | 56-52 | 124-52 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| 2. Mamakan GES | 57-49 | 114-03 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 |
| 3. Mukhtuya Diesel | 60-43 | 114-55 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 4. Vilyuy GES | 63-05 | 113-30 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | 400 |
| 5. Yakutsk GRES | 62-00 | 129-40 | 50 | 75 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Total in Plants 24 MW and over | | | 512 | 537 | 562 | 562 | 562 | 562 | 562 | 562 | 562 | 562 | 642 |

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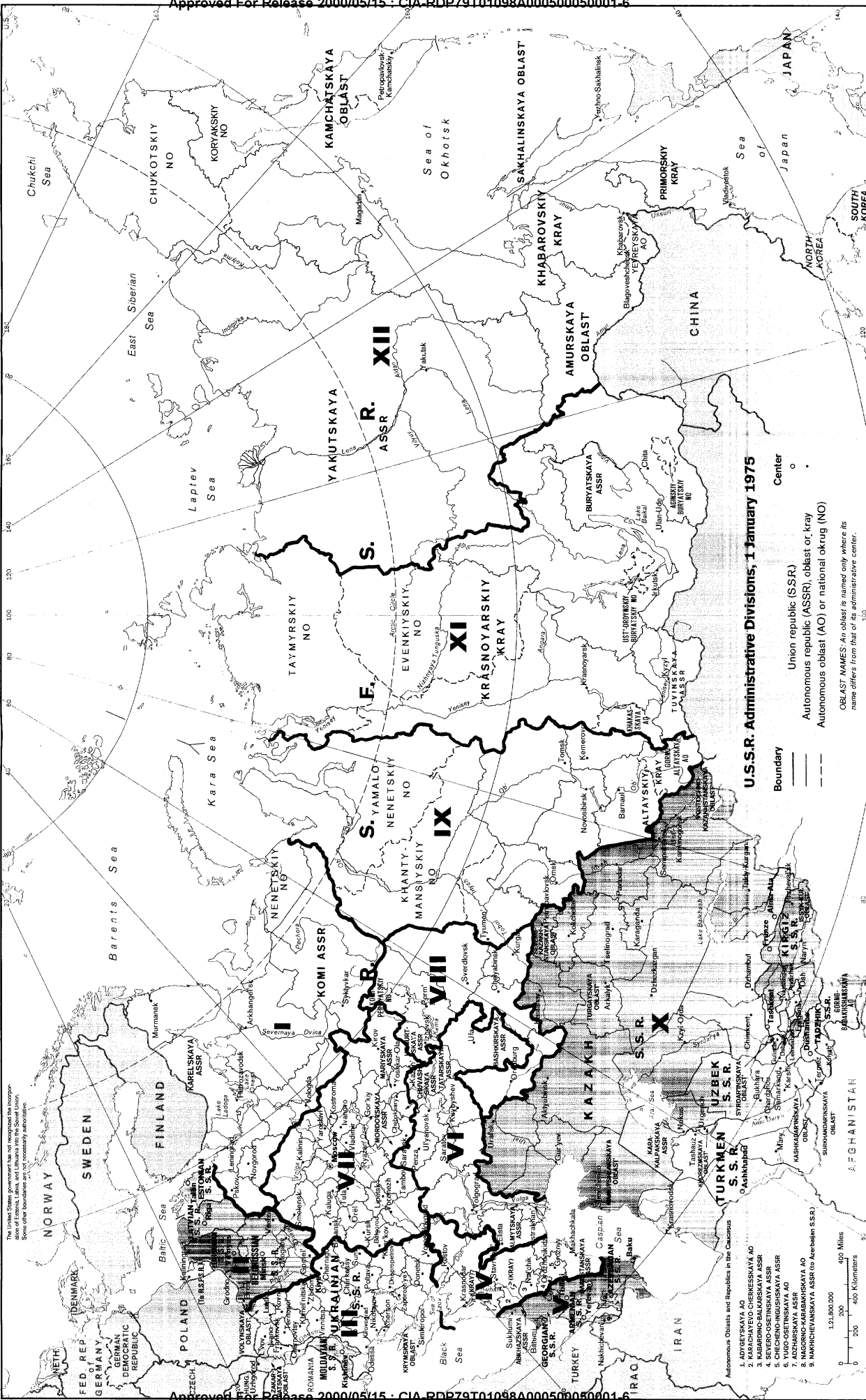
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