

Declassified E.O. 12356 Section 3.3/NND No.

785017

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10000/109/1001
(VOL. II)

ADVISO
OCT. 19

Declassified E.O. 12356 Section 3.3/NND No.

785017

10000/109/1001
(VOL. II)

ADVISORY COMMITTEE ON ELECTRIC POWER
OCT. 1945 - JAN. 1946

544 *Executive Committee*
CENTRAL ITALY - RECONSTRUCTION SCHEME

Advisory Committee on Electric Power

(Central Italy)

FEB 18 1946

MINUTES

The thirteenth meeting of the Advisory Committee on Electric Power (Central Italy) was held in the offices of Societa' Romana di Elettricit , Rome, at 09:00 hrs. on Monday January 21st 1946.

Present :

Dr. Eng. A. Jovelli - Acting Chairman
Prof. Eng. A. Asta - Vice-Chairman
Dr. Eng. G. Angelucci - Member
Prof. Eng. A. Angelini - "
Dr. Eng. C. Fascetti - "
Dr. Eng. G. Landucci - "
Dr. Eng. L. Virgili - "
Dr. Eng. F. Barluzzi - Secretary
Dr. Eng. D. Pietromarchi - In attendance
Dr. Eng. Musi - "

83) - Minutes of the twelfth meeting, held on December 17th 1945

The minutes were received.

84) - To review/oi repairs to generating stations and transmission systems.
progress

Eng. Fascetti (UNES) reported that the turbine of one 3,500 KW unit of Venamartello station is almost ready; the generator is at the Brown Boveri factory in Milan and could be repaired in one month. Also the turbine for the second 10,000 KVA unit of Garfagnana station is being manufactured up to schedule by Escher-Wyss but the work for the generator by Brown Boveri proceeds very slowly. Sufficient water storage for those two units is available and their operation would greatly assist UNES.

The Committee recommended that the Ministry of Public Works take definite action with the Manufacturing Coys. in Northern Italy in order to expedite the delivery of the generating units required by the Electrical Coys. The Committee also recommended that insulating material and magnetic sheets be allotted to Elec. Coys. instead of Electromagnetic firms.

Eng. Angelucci (AOEA) stated that future programmes for the rehabilitation of their plants are being held by the exceedingly high cost for new machinery to be manufactured in Northern Italy.

Eng. Landucci (Valdarno) reported that one 2,000 KW unit of Castelnovo Garfagnana station will be ready at the beginning of March; another similar unit is now estimated to be in operation by April 1946.

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Prof. Eng. A. Asta - Vice-Chairman
Dr. Eng. C. Angelucci - Member
Prof. Eng. A. Angelini - "
Dr. Eng. C. Fascetti - "
Dr. Eng. G. Landucci - "
Dr. Eng. E. Virgili - "
Dr. Eng. F. Berluzzi - Secretary
Dr. Eng. D. Pietromarchi - In attendance
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83) - Minutes of the twelfth meeting, held on December 17th 1945

The minutes were received.

84) - To review/progress of repairs to generating stations and transmission systems.

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Eng. Angelucci (ACEA) stated that future programmes for the rehabilitation of their plants are being held by the exceedingly high cost for new machinery to be manufactured in Northern Italy.

Eng. Landucci (Valdarno) reported that one 2,000 KW unit of Castelnovo Garfagnana station will be ready at the beginning of March; another similar unit is now estimated to be in operation by April 1946.

Eng. Rovelli (Lemna Co.) reported that one unit at Marino Station and one at Acquoria will be in operation within February; completion of repairs to Faria I is expected in April. No agreement has been reached yet with the Consorzio Bonifiche Fontine in connection with the repairs to the Albano-Fontina

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transmission line, owned by that Consorzio.

The Committee agreed that this line will be extremely necessary for the operation of the pump-line stations in Fontaine Laverne during next spring, and recommended that the Ministry of Public Works take some steps to expedite the repairs of that line.

Eng. Musi (Industriale Co.) reported that one 15,000 KW unit at Gardesello, and one 1,000 KVA unit at Serrazano will be ready in February; repairs of Letterotino plant are delayed by Larelli Manufacturing Co.

Eng. Virgili (State Railways) reported that repairs to transmission lines proceed according to program.

Eng. Angelini (Lenti) reported that one unit of Cotilla station will be ready in April.

853 - Operation program for the month of February, and report from the Director of the Master Control.

Eng. Pietromarchi reported on the Electric Power situation in Central Italy, stating that the amount of water drawn from Lenti Company's reservoirs had been increased from 0.5 millions c.m. per day, during the early part of December, to 3.0 millions, during the following weeks, due to new plant coming in, reduced generation of Roma Co. and A.C.L.A. plants and increased demand.

Following measures have been taken to reduce the amount of water drawn from these lakes :-

- 1) Supply to SAN reduced to 200,000 Kwh/day
- 2) Curtailment by 300,000 Kwh per day on Rome grid
- 3) Curtailment by 100,000 Kwh per day on UNES grid
- 4) Disconnection of Lenti Carbide furnace (240,000 Kwh/day)
- 5) Steam and Diesel generation raised to 100,000 Kwh/day

Eng. Rovelli was of the opinion that more power should be imported from the North.

Eng. Asta reported that the electricity situation in Northern Italy is still very serious and additional reduction of power rations is anticipated.

Eng. Virgili stated that import of power from the State Railways Generating station at Bressanone will only be possible when the Bologna-Grizzana section is repaired (February 1946).

Eng. Landucci reported that the Valdarno grid will be in a very critical situation if sufficient supply from the North is not secured.

No power was practically supplied from Lenti Co. during the past weeks. The Committee recommended that the following steps be taken in order to assist the electric power situation in Central Italy.

- a) Supply to SAN further reduced as low as possible
- b) Import of power from Bressanone to be effected as soon as possible.
- c) Power supply to Valdarno from the North to be secured also during the next months.

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85)

Operation programs for the month of February and report from the Director of the Master Control.

Eng. Piromarchi reported on the Electric Power situation in Central Italy, stating that the amount of water drawn from Lerni Company's reservoirs had been increased from 4.5 millions c.m. per day, during the early part of December, to 5.0 millions, during the following weeks, due to new plant coming in, reduced generation of Forana Co. and A.C.B.A. plants and increase in demand. Following measures have been taken to reduce the amount of water drawn from these lakes :-

- 1) Supply to SEI reduced to 200,000 KWh/day
- 2) Curtailment by 300,000 KWh per day on Roma grid
- 3) Curtailment by 100,000 KWh per day on UNES grid
- 4) Disconnection of Lerni Carbide furnaces (240,000 KWh/day)
- 5) Steam and Diesel generation raised to 100,000 KWh/day

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- a) Supply to SEI further reduced as low as possible
- b) Report of power from Bressanone to be effected as soon as possible.
- c) Power supply to Valdarno from the North to be secured also during the next months.

86) - Interchange of power between Northern, Central and Southern Italy; standardization of frequency.

Reports concerning frequency and voltage standardization and classes of insulation were submitted by Eng. Asta in order to be discussed

at the next meeting.
This matter will be also taken up with the Italian Electrical Committee.

87) - Any other business.

The representatives of the Electric Coys. conferred with generation and distribution of electric power, called the attention of the Committee on the seriousness of the obstacles encountered in connection with the rehabilitation, completion and new construction programmes; they explained that this was due to the critical financial situation of the Coys.

The Committee agreed that the present surcharges on the electric rates were by no means adequate, to the actual cost of material, transport and labor, and recommends that an official statement on this matter be submitted to the Italian responsible authorities.

88) - Date and time of the next meeting.

Next meeting will be held in the offices of ESE - Rome at 0900 hrs. on Monday February 18th 1946.

Dr. Eng. FRANCESCO BELLIZZI,
Secretary of the Committee.

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The Committee agreed that the present surcharges on the electric rates were by no means adequate, to the actual cost of material, transport and labor, and recommended that an official statement on this matter be submitted to the Italian responsible authorities.

66) - Date and time of the next meeting.

Next meeting will be held in the offices of Sidi - Rome at 0900 hrs. on Monday February 13th 1946.

Dr. E. E. FRANCESCO BARIUZZI,
Secretary of the Committee.

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C in C Mediterranean Station AFHQ
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Agriculture and Food Sub-Commission HQ. AC
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Industry & Util. Sub-Commission; Industry Dept.
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ADVISORY COMMITTEE ON ELECTRIC POWER (CONFERENZA ITALIANA)

MINUTES

The twelfth meeting of the Advisory Committee on Electric Power (Southern Italy) was held in the offices of Societa Meridionale di Elettrotecnica (SME), Naples, at 0900 hrs. on Thursday January 24th 1946.

Present:

Dr. Eng. T. Masturzo	- Acting Chairman
Prof. Eng. A. Sata	- Vice-Chairman
Dr. Eng. Ottavici	- representing Dr. Eng. Cépillo, member
Dr. Eng. Cramona	- " " " " " " " " " "
Dr. Eng. Montepuesco	- Member
Dr. Eng. Sinibaldi	- representing Dr. Eng. Bove - member
Prof. Eng. Ruggiero	- Member
Dr. Eng. Barluzzi	- Secretary.

70) - Minutes of the eleventh meeting of the Committee, held on Dec. 15, 1945.

The minutes were received.

71) - Progress of repairs to generating stations and transmission systems.

Dr. Masturzo (SME) reported that the damaged Orichella unit will require 6 months of repairs; the 2nd unit at Celora is being delayed by Riva Co. which is also constructing a new turbine for Gen. Lillano Station.

Leto station is estimated to be in operation by February 15. Repairs are proceeding at Pescara stations but much delay is expected for the generators to be repaired and adapted for 50 cycles operation by Brown Boveri Co.

It is now estimated that, by the end of 1946, a total capacity of 50 MW will be available at Pescara for almost continuous operation. Repairs are also proceeding at the substations; the first transformer at Agnano II is being dried and will be ready about February 1946. The second circuit on the Alano-Archi 100 KV transmission line will be reactivated by April. The 88 KV line from Avellino is also being repaired but some delay is due to unfavourable weather.

Eng. Cramona (Volturno Co.) reported that repair work on the small units at Colli Vulture, proceeds up to schedule.

72) - Interchange of power between Central and Southern Italy.

It was reported that S.A.I. is now receiving from Tormi about 200,000 kWh per day with a 20 MW demand.

Eng. Sata informed the Committee on the electric power situation in Northern and Central Italy; it is hoped that the power supply from Laison to Valdermo and that from Tormi to AEM be maintained for the next months.

The twelfth meeting of the Advisory Committee on Electric Power (Southern Italy) was held in the offices of Società Idroelettrica di Grottole (SIE), Naples, at 5:00 hrs. on Thursday January 24th 1946.

Present :

Dr. Eng. T. Santoro	-	Acting Chairman
Prof. Eng. A. Costa	-	Vice-Chairman
Dr. Eng. Ortensi	-	Representing Dr. Eng. Cerillo, member
Dr. Eng. Gromoni	-	" " " " " " " "
Dr. Eng. Montecusio	-	Member
Dr. Eng. Sinibaldi	-	Representing Dr. Eng. Bove - member
Prof. Eng. Ruggiero	-	Member
Dr. Eng. Barluzzi	-	Secretary.

70) - Minutes of the eleventh meeting of the Committee, held on Dec. 15, 1945.

The minutes were received.

71) - Progress of repairs to generating stations and transmission systems.

Dr. Montecusio (SIE) reported that the damaged Orschella unit, will require 6 months of repairs; the 2nd unit at Celerno is being delayed by Riva Co. which is also constructing a new turbine for Garigliano Station.

Late station is estimated to be in operation by February 15. Repairs are proceeding at Pescara stations but much delay is expected for the generators to be repaired and adapted for 30 cycles operation by Brown Boveri Co.

It is now estimated that, by the end of 1946, a total capacity of 50 MW will be available at Pescara for almost continuous operation. Repairs are also proceeding at the substations; the first transformer at Agnino II is being dried and will be ready about February 1946. The second circuit on the Agnino-Archit 150 KV transmission line will be reactivated by April. The 88 KV line from Avellino is also being repaired but some delay is due to unfavourable weather.

Eng. Gromoni (Volutato Co.) reported that repair work on the small units at Colli Valturmo, proceeds up to schedule.

72) - Interchange of power between Central and Southern Italy.

It was reported that S.M.E. is now receiving from Terni about 200,000 kWh per day with a 20 MW demand.

Eng. Costa informed the Committee on the electric power situation in Northern and Central Italy; it is hoped that the power supply from Edison to Valcamino and that from Terni to SIE be maintained for the next months.

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73) -

Operation programs and availability of power for the month of February 1946.

Sila reservoirs now have about 104 millions ZWH in storage; this is partly due to premature snow-melting and the general situation is therefore not very favourable.

The high water on the Roto river makes it possible the returning of a certain amount of electric power to Forni during the night.

Eng. Locatelli reported that the allocation of fuel oil to Cuneo steam plant had been raised from 2,250 to 2,950 tons for February. Valturmo Co. received 400 tons of Diesel oil.

The Committee agreed the operation programme for the month of February; this shows a total of 206 km available at plants including those received from Forni.

It was reported that more power should be made available to some industrial plants as well as public utilities such as streetcar services and street lighting.

74) -

Standardization of frequency and voltage: classes of insulation.

Reports were received from the Ministry of Public Works on the drafts of decrees concerning voltage and frequency standardization, as well as the suggested values of voltage.

The Committee was of the opinion that the most suitable period of the year to carry out the frequency change would be the month of August. The representative of the El. Coys. recommended that this be done in August 1947 in order to make it possible to all the Power Coys. and to their customers to adapt their own machinery to the new frequency.

The Committee agreed that the matter of standardization should be taken up together with frequency standardization in the various regions and that a general plan be studied and submitted to the next meeting of the Advisory Committee.

75) -

any other business.

There were no other business.

76) -

Date and time of the next meeting

Next meeting will be held in the Offices of the SIE - Naples at 0900 hrs on Tuesday February 21st, 1946.

Dr. Eng. T. BARLUZZI
Secretary to the Committee.

Ena. ~~Industria~~ reported that the allocation of fuel oil to C. ~~Industria~~ steam plant had been raised from 2,250 to 2,350 tons for February. ~~Industria~~ Co. received 400 tons of Diesel oil. The Committee agreed the operation programme for the month of February; this shows a total of 200 MW available at plants including those received from ~~Industria~~. It was reported that more power should be made available to some industrial plants as well as public utilities such as streetcar service and street lighting.

74) - Standardization of frequency and voltage; classes of insulation.

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75) - Any other business.

There were no other business.

76) - Date and time of the next meeting

Next meeting will be held in the Offices of the SE - Naples at 0900 hrs on Thursday February 21st, 1946.

Dr. Eng. T. BARILELLI
Secretary to the Committee.

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C.E. No.3 District
C.C. - R.A.A.C. (2)
AFLRS - RAAC - CMF
HQ Adriatic Depot - APO 388 USA (2)
Chief Commissioner AC
Executive Commissioner HQ AC
Vice President - Economic Section HQ. AC (2)
Industry & Util. S/C; Fuels Dept. (Coal Div.)
Public Relations Br. HQ AC.
Agriculture and Food Sub-Commission HQ. AC
Labour Sub-Commission HQ. AC
Trans. Sub-Commission HQ. AC
Industry & Util. Sub-Commission; Industry Dept.
A.C. Chief L.O. Lombardia, Milan

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NORTHERN ITALY - ELECTRICITY - HEME

Advisory Committee on Electric Power

(Northern Italy)

MINUTES

The fourth meeting of the Advisory Committee on Electric Power (Northern Italy) was held in the offices of Edison Co. - Milan, at 0900 hrs on November 15, 1945.

Present :

Dr. Eng. Benedetto	-	Acting Chairman
Prof. Eng. A. Asta	-	Vice Chairman
Dr. Eng. Rossi	-	Member
Dr. Eng. Brunetti	-	"
Dr. Eng. Selmo	-	"
Dr. Eng. Dezza	-	"
Dr. Eng. Merla	-	"
Dr. Eng. Castellani	-	"
Dr. Eng. Emenueli	-	"
Dr. Eng. Bersari	-	Acting Secretary
Lt. Col. Parker	-	in attendance
Maj. Jackson	-	"
Capt. Burns	-	"
Dr. Eng. Merini	-	"
Dr. Eng. Genesio	-	"
Dr. Eng. Interlenghi	-	"
Dr. Eng. Fecconi	-	"
Dr. Eng. Losotovitch	-	"

20) - Minutes of the last meeting, held on October 4, 1945

The minutes were received.

21) - To receive reports on war damage, repairs already carried out and rehabilitation programmes.

Eng. Asta - reported that new suggestions had been made in connection with the official reports on war damages and repairs already carried out. Those reports will be submitted to the next annual convention of the Associazione Elettrotecnica Italiana.

The rehabilitation programmes will be discussed at the Advisory Committees' meetings.

22) - To review progress of repairs to generating plants and transmission systems.

Eng. Selmo (S.I.P.) reported that Cesena station is now in operation. Ponte is still out of service because the

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Present :

Dr. Eng. Benedetto	-	Acting Chairman
Prof. Eng. A. Aste	-	Vice Chairman
Dr. Eng. Rossi	-	Member
Dr. Eng. Brunetti	-	"
Dr. Eng. Selmo	-	"
Dr. Eng. Dezza	-	"
Dr. Eng. Merla	-	"
Dr. Eng. Castellani	-	"
Dr. Eng. Emanueli	-	"
Dr. Eng. Bersari	-	Acting Secretary
Lt. Col. Parker	-	in attendance
Maj. Jackson	-	"
Capt. Burns	-	"
Dr. Eng. Marini	-	"
Dr. Eng. Genesio	-	"
Dr. Eng. Interlenghi	-	"
Dr. Eng. Faccioni	-	"
Dr. Eng. Losotovitch	-	"

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22) - To review progress of repairs to generating plants and transmission systems. 3009

Eng. Selmo (S.I.P.) reported that Cesena station is now in operation. Pento is still out of service because the necessary material is not available.

Turbigo transformer has been repaired; Cislago transformer being heated up.

Eng. Marini (Adriatico Co.) reported that all repairs are delayed by the shortage of copper conductor and transformer oil.

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Eng. Benedetto (Edison) informed the Committee that the second circuit of the 130 KV line Ruleria - Bologna had been reactivated. The power transmission from Trentino area is limited by the capacity of the available lines. Several transformers at Ligonchio station have been repaired. Repair work at the Medio Adige dam is proceeding slowly due to shortage of manpower; the power plant will come into operation by December 15.

Eng. Brunetti (AEM-Turin) reported that all plants have been repaired with the only exception of a conversion substation.

Eng. Interlenghi (AEM-Milan) reported that all plants are operating.

Eng. Castellani (Montecatini Co.) reported that repairs to transmission lines have been completed. Prigiano station will come into operation in November.

Eng. Dezza (Felck Co) reported that all plants are operating porcelain bushings needed.

23) - Operation programme and availability of power for the month of November and December 1945.

Eng. Selmo (SIP) reported that the hydrological situation is good; rationing will probably be necessary due to the large increase of power demand.

Eng. Merin (Adriatica) reported that the reservoir storage is now less than the average; the demand is increasing and curtailment of power will be necessary.

Eng. Genesio (CIELI) reported that some damage had been caused by flooding at Morigello station; this is the junction point between CIELI and Edison. Only one 25 MVA transformer is still efficient at this plant. One 8,000 KVA unit at S. Dalmezzo is supplying 4,000 KW to Franco, thus wasting the available water.

Eng. Benedetto (Edison) reported that serious frequency drops had been experienced, due to increased power demand; curtailment is necessary but can only be effected when the gas supply to Milan will be started.

Eng. Brunetti (AEM - Turin) reported that no power can now be taken from Rosone station (54 KW) due to a landslide obstructing the gallery; he agreed with Eng. Benedetto as to the necessity of an electricity rationing plan.

Eng. Interlenghi (AEM-Milan) reported that, following the increased demand, an abnormal amount of water is drawn from the reservoirs; more assistance from Edison is needed and power curtailment must be adopted.

Eng. Castellani (Montecatini Co.) informed the Committee that some industrial plants of Montecatini, will reduce their

been repaired with the only exception of a conversion substation.

Eng. Interlenghi (AEM-Milan) reported that all plants are operating.

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Eng. Dezza (Felck Co) reported that all plants are operating porcelain bushings needed.

23) - Operation programme and availability of power for the month of November and December 1945.

Eng. Selmo (SIP) reported that the hydrological situation is good; rationing will probably be necessary due to the large increase of power demand.

Eng. Merin (Adriatica) reported that the reservoir storage is now less than the average; the demand is increasing and curtailment of power will be necessary.

Eng. Genesio (CIEEI) reported that some damage had been caused by flooding at Moriglio station; this is the junction point between CIEEI and Edison. Only one 25 MVA transformer is still efficient at this plant.

One 8,000 KVA unit at S. Delmazzo is supplying 4,000 KW to France, thus wasting the available water.

Eng. Benedetto (Edison) reported that serious frequency drops had been experienced, due to increased power demand; curtailment is necessary but can only be effected when the gas supply to Milan will be started.

Eng. Brunetti (AEM - Turin) reported that no power can now be taken from Rosone station (54 KW) due to a landslip obstructing the gallery; he agreed with Eng. Benedetto as to the necessity of an electricity rationing plan.

Eng. Interlenghi (AEM-Milan) reported that, following the increased demand, an abnormal amount of water is drawn from the reservoirs; more assistance from Edison is needed and power curtailment must be adopted.

Eng. Castellani (Montecatini Co.) informed the Committee that some industrial plants of Montecatini, will reduce their demand in order that no power supply be needed from other Coys.

Eng. Dezza (Jalck) reported that the Jalck Co requirement is being met with the assistance of Montecatini. No assistance will be needed during the next months if rainfall is sufficient.

After much discussion on the electric power situation, the Committee recommended that following measures be taken:

- 1) To limit the power consumption by adopting a general rationing scheme.
- 2) To disconnect, with some special exceptions, all the electric furnaces.
- 3) To expedite the delivery of imported coal for the Gas Works and to increase the production of Sardinian coal in order that a certain amount (43,000 tons) be allocated to the steam plants.
- 4) To prevent, for the time being, the influx of displaced persons from the country into the cities.
- 5) To support any possible supply of fuel to the cities.

Col. Parker reported that, if coal of better quality than Sardinian coal is obtained, the above figure of 43,000 tons should be reduced and a larger amount allocated to the Gas Works.

24) - Interchange of power between Northern and Central Italy.

Prof. Asta reported on the very critical situation for the electric power in Central Italy: the shortage of electricity is very serious, due to delay in the rehabilitation of plants and to the lack of water.

Prof. Asta suggested that the matter of supplying some 30 millions KWH per month (60 MW peak) to Central Italy be discussed by the Committee.

This figure may be much reduced when new plant will be coming in and more water is available in Central Italy. The Power Coys representatives pointed out that serious troubles could be experienced in Northern Italy, if more than 15 millions KWH per month were sent to Central Italy. This matter will be discussed further by the Ministry of Public Works in agreement with the Advisory Committees.

25) - Any other business

The Committee recommended that the delivery of copper conductor and transformer oil to the Electric Coys. be expedited.

Also vehicles and tires are urgently needed.

26) - Date and time of the next meeting.

Next meeting will be held in the offices of Edison Co - Milan

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- 2) To disconnect, with some special exceptions, all the electric furnaces.
- 3) To expedite the delivery of imported coal for the Gas Works and to increase the production of Sardinian coal in order that a certain amount (43,000 tons) be allocated to the steam plants.
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24) - Interchange of power between Northern and Central Italy.

Prof. Asta reported on the very critical situation for the electric power in Central Italy; the shortage of electricity is very serious, due to delay in the rehabilitation of plants and to the lack of water.

Prof. Asta suggested that the matter of supplying some 30 millions KWH per month (60 MW peak) to Central Italy be discussed by the Committee.

This figure may be much reduced when new plant will be coming in and more water is available in Central Italy. The Power Coys representatives pointed out that serious troubles could be experienced in Northern Italy, if more than 15 millions KWH per month were sent to Central Italy. This matter will be discussed further by the Ministry of Public Works in agreement with the Advisory Committees.

25) - Any other business

The Committee recommended that the delivery of copper conductor and transformer oil to the Electric Coys. be expedited.

Also vehicles and tires are urgently needed.

26) - Date and time of the next meeting.

Next meeting will be held in the offices of Edison Co - Milan at 0900 hrs on Thursday December 20, 1945.

Dr. Eng. FRANCESCO FARLUZZI
Secretary to the Committee.

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5005

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5005

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5411 91
CENTRAL ITALY - ELECTRICITY SCHEME

Advisory Committee on Electric Power

(Central Italy)

MINUTES

JAN 14 1945

The twelfth meeting of the Advisory Committee on Electric Power (Central Italy) was held in the offices of Società Romana di Elettrotecnica, Via Pelli - Rome at 0900 hrs on Monday December 17 - 1945.

Present :

Dr. Eng. Rovelli	Acting Chairman
Prof. Eng. A. Aste	Vice-Chairman
Dr. Eng. G. Angelucci	Member
Prof. Eng. A. Angelini	"
Dr. Pistelli	Representing Dr. Eng. G. Landucci - Member
Dr. Eng. P. Barlucci	Secretary
Dr. Eng. D. Pietromaroni	in attendance

77) - Minutes of the last meeting, held on November 19, 1945
The minutes were received

Min. 72 page 2 (Eng. Rovelli's report) should read
" Tivoli station will probably come into operation by the
end of January and FARA by the end of February".

78) - To review progress of repairs to generating plants and
transmission systems.

Eng. Angelucci (A.O.P.) reported that Seliseno station will
be in operation in a few days.

Eng. Rovelli (S.R.E.) reported that Centerno station is now
completely repaired but still short of water. Tivoli plant
operation expected in January. Accidents in February and
Paris in March, following delay at electric networks.

Eng. Virgili (State Railways) reported that the circuit of
the transmission line from Iardere to Roma has been
repaired. Repairs also proceed at the Prosestina substation
synchronous condensers.

Eng. Angelini (Terni Co.) reported that the 4th unit of
Grileto is now ready for operation.

Terni-Lescara 150 KV line has been reactivated and is now
used at 30 KV to supply pumping station at Grotte (near
separate grid operated at higher frequency (at least 5004
cycles) than the Central Italy system, whose frequency is
now quite low due to overloading.

The twelfth meeting of the Advisory Committee on Electric Power (Central Italy) was held in the offices of Società Romana di Elettrotecnica, Via Poli - Rome at 0900 hrs on Monday December 17 - 1945.

Present :

Dr. Eng. Rovelli	Acting Chairman
Prof. Eng. A. Asta	Vice-Chairman
Dr. Eng. A. Angelucci	Member
Prof. Eng. A. Angelini	"
Dr. Pistelli	Representing Dr. Eng. G. Landucci - Member
Dr. Eng. F. Berluzzi	Secretary
Dr. Eng. D. Pietromarchi	in attendance

77) - Minutes of the last meeting, held on November 19, 1945

The minutes were received

Min. 72 page 2 (Eng. Rovelli's report) should read

" Tivoli station will probably come into operation by the end of January and finish by the end of February".

78) - To review progress of repairs to generating plants and Transmission Systems.

Eng. Angelucci (ACEA) reported that Salerno station will be in operation in a few days.

Eng. Rovelli (S.R.E.) reported that Canteras station is now completely repaired but still short of water. Morino plant operation expected in January, Legnano in February and Torfa in March, following delay at the power works.

Eng. Virgili (State Railways) reported that the circuit of the transmission line from Larderia to Rome has been repaired. Repairs also proceed at the Presestine substation synchronous condensers.

Eng. Angelini (Torre Co.) reported that the 4th unit of Galleto is now ready for operation. Terni-Lescara 150 KV line has been reactivated and is now used at 30 KV to supply pumping station at Cutilia. A separate grid operated at higher frequency (at least 4300 cycles) than the Central Italy system, whose frequency is now quite low due to overloading.

Eng. Angelini also stated that some measures should immediately be taken to raise the frequency in the Central Italy Grid in order to permit safe operation of Galleto units.

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79) - Operating programme for the North of January 1946 and report from the Director of the Master Control.

Eng. Pietromarini reports that no increase in output had been possible during the preceding weeks due to shortage of water.

Low voltage and low frequency on the Central Italy Grid, following the overloading of the system, are seriously affecting the efficiency of Galileo units.

Disconnection of feeders for a considerable amount of power have been necessary and the Diesel and steam units of Montemartini station are operated during peak load hours.

The steam plant of S. Paolo cannot be operated, two units being under repair and the third one being used as synchronous condenser.

Severe curtailments will be necessary to meet the electric power situation during next month, unless river flow increases considerably.

After much discussion the Committee agreed that a general curtailment plan be set up and measures be immediately taken to provide safe operation of the Galileo units and improve the frequency situation. This matter to be further discussed with the Ministry of Public Works.

80) - Interchange of power between Northern, Central and Southern Italy.

The Committee recommended that this matter be thoroughly studied by the Ministry of Public Works and that the largest possible power be still imported from the North during January 1946.

81) - Any other business

Following readjustments of the salaries for the Master Control personnel were agreed and will be effective as of November 1, 1945.

Director :	from 25,200 to 27,700	line per month
Central Engineers "	14,000 to 16,500	" " "
Central Assistants "	11,200 to 13,700	" " "
Statistical Assistant	10,000 to 12,500	" " "
Stenotypist	6,500 to 8,000	" " "

82) - Date and time of the next meeting.

Next meeting will be held in the offices of Società Romana di Eletticità - Rome, at 0900 hrs. on Monday January 21, 1946.

Dr. Eng. FRANCESCO BARNI
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Disconnection of engines for a considerable amount of power have been necessary and the Diesel and steam units of Montemartini station are operated during peak load hours. The steam plant of S. Paolo cannot be operated, two units being under repair and the third one being used as synchronous condenser.

Severe curtailments will be necessary to meet the electric power situation during next month, unless river flow increases considerably.

After much discussion the Committee agreed that a general curtailment plan be set up and measures be immediately taken to provide safe operation of the Gallato units and improve the frequency situation. This matter to be further discussed with the Ministry of Public Works.

80) - Interchange of power between Northern, Central and Southern Italy.

The Committee recommended that this matter be thoroughly studied by the Ministry of Public Works and that the largest possible power be still imported from the North during January 1946.

81) - Any other business

Following readjustments of th. salaries for the Master Control personnel were agreed and will be effective as of November 1, 1945.

Director :	from 25,000 to 27,700 lire per month
Control Engineers "	14,000 to 16,500 " "
Control Assistants "	11,200 to 13,700 " "
Statistical Assistant	10,000 to 11,500 " "
Stenotypist	6,500 to 7,000 " "

82) - Date and time of the next meeting.

Next meeting will be held in the offices of Società Romana di Eletticità - Roma, at 0900 hrs. on Monday January 21, 1946.

Dr. Ing. FRANCESCO ARINZUZZI
Secretary to the Committee.

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File
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5002

Advisory Committee on Electric Power

(Central Italy)

JAN 14 1945

MINUTES

The eleventh meeting of the Advisory Committee on Electric Power (Central Italy) was held in the Offices of Società Romana di Eletticità - Rome, at 0900 hrs on Monday November 19, 1945.

Present :

Dr. Eng. A. Rovelli	- Acting Chairman
Prof. Eng. L. Asta	- Vice Chairman
Dr. Eng. G. Angelucci	- Member
Prof. Eng. A. Angelini	- "
Dr. Eng. C. Paschetti	- "
Dr. Eng. G. Landucci	- Secretary
Dr. Eng. F. Berluzzi	- in attendance
Lt. Col. G. E. Parker	- "
Dr. Eng. D. Pietromarini	- "

70) - Minutes of the tenth meeting, held on October 15, 1945

The minutes were received.

71) - To receive reports on war damage, repairs already carried out and reconstruction programme.

Reports from ACEA and Terni Co. will be submitted shortly.

Eng. Asta - informed the Committee that new suggestions had been made by various electrical societies in connection with the general report on war damage and repairs of Electrical facilities in Italy.
This official report should be submitted to the annual convention of Associazione Elettrotecnica Italiana (A.E.T.I.) and then published in technical magazines.

72) - Progress of repairs to generating plants and transmission systems

Eng. Angelucci - (A.C.E.A.) reported that Salisano station will come into operation by the end of this month.

Eng. Landucci - (Valdarno) stated that Vastrelnuovo generating plant repairs were delayed because the allocated

785017

Declassified E.O. 12356 Section 3.3/NND No.

The eleventh meeting of the Advisory Committee on Electric Power (Central Italy) was held in the Offices of Società Romana di Elettrotecnica - Rome, at 0900 hrs on Monday November 19, 1945.

Present :

Dr. Eng. A. Rovelli	- Acting Chairman
Prof. Eng. A. Asta	- Vice Chairman
Dr. Eng. G. Angelucci	- Member
Prof. Eng. A. Angelini	- "
Dr. Eng. G. Paschetti	- "
Dr. Eng. G. Landucci	- "
Dr. Eng. F. Carlucci	- Secretary
Lt. Col. G. E. Parker	- in attendance
Dr. Eng. D. Pietromarchi	- "

70) - Minutes of the tenth meeting, held on October 15, 1945

The minutes were received.

71) - To receive reports on war damage, repairs already carried out and reconstruction programmes.

Reports from ACEA and Tordì Co. will be submitted shortly.

Eng. Asta - informed the Committee that new suggestions had been made by various electrical societies in connection with the general report on war damage and repairs of Electrical facilities in Italy.

This official report should be submitted to the annual convention of Associazione Elettrotecnica Italiana (A.E.T.I.) and then published in technical magazines.

72) - Progress of repairs to generating plants and transmission systems

Eng. Angelucci - (A.E.T.A.) reported that Salisano station will come into operation by the end of this month.

Eng. Landucci - (Valdarno) stated that Castelnovo Garfagnana plant repairs were delayed because the allocated cement had not yet been delivered.

Eng. Rovati - (Imperia Co.) reported that Marine plant will start operation at the end of December. Ferife and Tivoli plants will probably be ready by the end of January. Guercino station (at 4,600 KW) will come into operation in a few days.

Eng. Pascaudi - (U.M.E.S.) reported that repair work is proceeding up to schedule. German unit is in operation but still short of water.

Eng. Angelini - (Terni Co.) reported that the first Cottino unit will only be ready in February 1945. Following some delay at the steelworks. The completion of Cottino unit is proceeding, cement is regularly supplied.

The fourth unit at Galleto will come into operation at the end of November. By the same date also the 150 KV line Terni - Pescara will be ready.

73) - Operation programme and report from the Director of the Master Control.

Eng. Pietromarchi - reported on the difficulties experienced in the operation of the Central Italy Grid.

The available output is not sufficient to meet the increasing demand from customers, serious voltage and frequency drops are experienced during peak load hours. New plant is shortly coming in (Galleto IV and Salisano) and would only be sufficient for the Central Italy Grid requirements so that, if power is exported to other regions, a curtailment scheme must be adopted.

Eng. Pietromarchi - also stated that frequency should not be allowed to drop below 47 cycles if troubles at the auxiliaries of Galleto plant are to be avoided.

74) - Interchange of power between Northern, Central and Southern Italy.

The matter of receiving power from Northern Italy Doga and supplying a certain area of the Southern Region was taken up. It was shown that the Valdarno system is in need of approximately 30 milliwatts KWH per month with a peak demand of about 60 MW.

The required energy could be supplied either from the Northern Italy system or from Terni plant.

Eng. Asta - reported that, during the last meeting of the Advisory Committee for Northern Italy, he had suggested to increase the power supply to Valdarno from the North. This would make it possible to supply the Southern Italy system from Terni. The northern Italy Committee had expressed the opinion that some difficulties would arise in connection with the supply to Valdarno, due to the serious situation for electric power in the North.

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Eng. Angelini - (Terni Co.) reported that the first auxiliary unit will only be ready in February 1946, following some delay at the steelworks. The completion of the second unit is proceeding, cement is regularly supplied.

The fourth unit at Galleto will come into operation at the end of November by the same date also the 150 KV line Terni - Pescara will be ready.

73) - Operation programme and report from the Director of the Master Control.

Eng. Pietromarchi - reported on the difficulties experienced in the operation of the Central Italy Grid.

The available output is not sufficient to meet the increasing demand from customers, serious voltage and frequency drops are experienced during peak load hours. New plant is shortly coming in (Galleto IV and Seliseno) and would only be sufficient for the Central Italy Grid requirements so that, if power is exported to other regions, a curtailment scheme must be adopted.

Eng. Pietromarchi - also stated that frequency should not be allowed to drop below 47 cycles if troubles at the auxiliaries of Galleto plant are to be avoided.

74) - Interchange of power between Northern, Central and Southern Italy.

The matter of receiving power from Northern Italy Goya and supplying a certain area of the Southern Region was taken up. It was shown that the Valdarno system is in need of approximately 20 millions KW per month with a peak demand of about 60 MW.

The required energy could be supplied either from the Northern Italy system or from Terni plant.

Eng. Asa - reported that, during the last meeting of the Advisory Committee for Northern Italy, he had suggested to increase the power supply to Valdarno from the North. This would make it possible to supply the Southern Italy system from Terni. The northern Italy Committee had expressed the opinion that some difficulties would arise in connection with the supply to Valdarno, due to the serious situation for electric power in the North.

After much discussion the Committee recommended that the supply of Valdarno system be made by the Northern Italy Coys. thus making it possible to send the necessary power from Terni to the Southern Italy grid. The Committee also recommended that A.C. and the Ministry of Public Works speed up all necessary steps in order to secure the power supply from the North.

75) - Any other business.

There were no other business.

76) - Date and time of the next meeting.

Next meeting will be held in the offices of Società Romane di Eletticità, Rome, at 0900 hrs on Monday December 17, 1945.

[Signature]
Dr. Eng. FRANCESCO BARIUZZI
Secretary to the Committee.

Declassified E.O. 12356 Section 3.3/NND No.

785017

secure the power supply from the North.

75) - Any other business.

There were no other business.

76) - Date and time of the next meeting.

Next meeting will be held in the offices of Società
Romana di Elettricità, Rome, at 0900 hrs on Monday
December 17, 1945.

Francesco Barluzzi
Dr. Eng. FRANCESCO BARLUZZI
Secretary to the Committee.

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SOUTHERN ITALY - ELECTRICITY SCHEME

Advisory Committee on Electric Power

(Southern Italy)

JAN 14 1946

M I N U T E S

The eleventh meeting of the Advisory Committee on Electric Power (Southern Italy), was held at 0900 hrs on Saturday December 15, 1945, in the offices of Società Meridionale di Elettricità - Naples.

Present :-

Dr. Eng. T. Masturzo	Acting Chairman
Prof. Eng. A. Asta	Vice Chairman
Dr. Eng. Ortensi	representing Dr. Eng. Cerillo - member
Dr. Eng. Cremona	"
Dr. Eng. Montefusco	Member
Dr. Eng. Pove	"
Prof. Eng. Ruggiero	"
Dr. Eng. Berluzzi	Secretary

64) - Minutes of the tenth meeting of the Committee, held on November 22, 1945.

The minutes were received.

65) - To receive reports on war damage, repairs already carried out and reconstructions programmes.

It was suggested that the first part of the official reports from SME and Volturno Co. be submitted to the next annual convention of the Associazione Elettrotecnica Italiana.

66) - Progress of repairs to generating plants and Transmission systems.

Eng. Masturzo (SME) reported that one unit at Orichella plant had been seriously damaged following a flash-over. Six to seven months required for complete repairs by Brown Boveri (Milan). The second Orichella unit, which had been out of service during some months is now ready and will come into operation in a few days.

The broken shaft of Lete station will be completely repaired by Terni Co. in about one week; operation of plant expected in January.

Repair work at Pescara 1st stage being held for shortage

785017

MINUTES

The eleventh meeting of the Advisory Committee on Electric Power (Southern Italy), was held at 0900 hrs on Saturday December 15, 1945, in the offices of Società Meridionale di Elettricità - Naples.

Present :-

Dr. Eng. T. Mesturzo	Acting Chairman
Prof. Eng. A. Asta	Vice Chairman
Dr. Eng. Ortensi	representing Dr. Eng. Cerillo - member
Dr. Eng. Crenone	" Dr. Eng. Maione "
Dr. Eng. Montefusco	Member
Dr. Eng. Bove	"
Prof. Eng. Ruggiero	"
Dr. Eng. Berluzzi	Secretary

64) - Minutes of the tenth meeting of the Committee, held on November 22, 1945.

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66) - Progress of repairs to generating plants and Transmission Systems.

Eng. Mesturzo (SME) reported that one unit at Orichella plant had been seriously damaged following a flash-over. Six to seven months required for complete repairs by Brown Boveri (Milan).

The second Orichella unit, which had been out of service during some months is now ready and will come into operation in a few days.

The broken shaft of Iate station will be completely repaired by Terni Co. in about one week; operation of plant expected in January.

Repair work at Pescara 1st stage being held for shortage of cement due to insufficient transport.

The first Pescara plant to be reactivated will be the 4th stage; operation expected in March - April 1946.

The 10 MVA transformer from Feroleto will be in operation at Tuscanico within December 1945.

Repairs to 85 KV transmission lines are proceeding regularly. Troubles are being experienced in connection with the supply of refractories for Capuano steam plant which cannot be obtained in Italy.

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21/11/45
(over)

Eng. Crenone (Valturno Co.) reported that all repair works proceed up to schedule; small units ready for the next spring.

In connection with the recommendations made by the Committee at the last meeting, it was reported that:

min.59) Steps have been taken by the Ministry of Public Works with the Ministry of transport for the safety of transport of cement.

The Committee again recommended that rail cars be regularly allocated to the Electrical Coys. and safety of transport controlled.

New thefts of transmission line conductor have been experienced by S.M.E. and the Committee recommended that the Direzione Generale Carabinieri be officially requested to take some definite action.

67) - Operation programme and availability of power for the month of January 1946.

The Committee agreed the operation programme prepared on the basis of 1944-1945 winter allocations and including the power supply from Galletto IV.

It was shown that the increase of power supplied to Naples and Campania region is limited by the capacity of the transformers installed at Tusciano. The reservoir storage in Sila is now decreasing and reduced flow is still observed in run-of-river plants.

68) - Frequency standardization

Eng. Aste reported that a Decree is being prepared which will establish the official date of frequency change in the various regions; also protecting the Power Coys. from legal actions by customers.

69) - Any other business

The Committee again recommended that the supply of fuel oil to Capuano and Valturno thermo plants be increased in order to provide a safe stock of about 1,000 tons of fuel.

70) - Date and time of the next meeting.

Next meeting will be held in the offices of Società Meridionale di Elettricità - Naples at 0900 hrs on Thursday January 24, 1946.

Works with the Ministry of transport for the safety of transport of cement.

The Committee again recommended that rail cars be regularly allocated to the Electrical Coys. and safety of transport controlled.

New thefts of transmission line conductor have been experienced by S.M.E. and the Committee recommended that the Direzione Generale Carabinieri be officially requested to take some definite action.

67) - Operation programme and availability of power for the month of January 1946.

The Committee agreed the operation programme prepared on the basis of 1944-1945 winter allocations and including the power supply from Gellato IV.

It was shown that the increase of power supplied to Naples and Campania region is limited by the capacity of the transformers installed at Tusciano. The reservoir storage in Sila is now decreasing and reduced flow is still observed in run-of-river plants.

68) - Frequency standardization

Eng. Asta reported that a Decree is being prepared which will establish the official date of frequency change in the various regions; also protecting the Power Coys. from legal actions by customers.

69) - Any other business

The Committee again recommended that the supply of fuel oil to Capuano and Valturco thermo plants be increased in order to provide a safe stock of about 1,000 tons of fuel.

70) - Date and time of the next meeting.

Next meeting will be held in the offices of Società Meridionale di Elettricità - Naples at 0900 hrs on Thursday January 24, 1946.

Dr. Eng. FRANCESCO BARLUZZI,
Secretary to the Committee.

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Declassified E.O. 12356 Section 3.3/NND No.

785017

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4995

SOUTHERN ITALY ELECTRICITY SCHEME

Telephone
Rome 489084-Ext. 317
4 Dec. 1945

ADVISORY COMMITTEE ON ELECTRIC POWER (SOUTHERN ITALY)
DEC 10 1945

MINUTES

The tenth meeting of the Advisory Committee on Electric Power (Southern Italy) was held at 0900 hrs on Thursday November 20 - 1945 in the Offices of Società Meridionale di Eletticità - Naples.

Present :-

Dr. Eng.	T. Masturzo	- Acting Chairman
Prof. Eng.	A. Asta	- Vice Chairman
Dr. Eng.	Gremone	- representing Dr. Eng. Maione - member
Dr. Eng.	Ortensi	- " Dr. Eng. Cerillo - "
Dr. Eng.	Montefusco	- Member
Dr. Eng.	Bove	- "
Prof. Eng.	Ruggiero	- "
Dr. Eng.	Berluzzi	- Secretary

57) - Minutes of the ninth meeting of the Advisory Committee, held on October 17.

The minutes were received.

58) - Reports on war damage, repairs already carried out and reconstruction programmes.

Eng. Asta - informed the Committee that new suggestions had been made by various electrical societies in connection with the general report on war damage and repairs of Electrical Facilities in Italy. This official report shall be submitted to the annual convention of Associazione Elettrotecnica (Italiana) (A.E.I.) and then published in technical magazines.

59) - Progress of repairs to generating plants and Transmission systems.

Eng. Masturzo - (S.M.E.) reported that the damaged Orichelle unit will be ready for testing on December 15. The second unit at Celone will be in operation in January, together with the synchronous by-pass and valve.

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Declassified E.O. 12356 Section 3.3/NND No.

ADVISORY COMMITTEE ON ELECTRIC POWER (SOUTHERN ITALY)

4 Dec. 1945

DEC 10 1945

MINUTES

The tenth meeting of the Advisory Committee on Electric Power (Southern Italy) was held at 0900 hrs on Thursday November 22 - 1945 in the Offices of Società Meridionale di Eletticità - Naples.

Present :-

Dr. Eng.	T. Masturzo	- Acting Chairman
Prof. Eng.	A. Asta	- Vice Chairman
Dr. Eng.	Cremone	- representing Dr. Eng. Maione - member
Dr. Eng.	Ortenesi	- " Dr. Eng. Cerillo - "
Dr. Eng.	Montefusco	- Member
Dr. Eng.	Dove	- "
Prof. Eng.	Raggiere	- "
Dr. Eng.	Berluzzi	- Secretary

57) - Minutes of the ninth meeting of the Advisory Committee, held on October 17.

The minutes were received.

58) - Reports on war damage, repairs already carried out and reconstruction programmes.

Eng. Asta - informed the Committee that new suggestions had been made by various electrical societies in connection with the general report on war damage and repairs of Electrical facilities in Italy.

This official report shall be submitted to the annual convention of Associazione Elettrotecnica (Italiane) (A.E.I.) and then published in technical magazines.

59) - Progress of repairs to generating plants and Transmission systems.

Eng. Masturzo - (S.M.E.) reported that the damaged Orichello unit will be ready for testing on December 15.

The second unit at Celora will be in operation in January, together with the synchronous by-pass and valve.

One unit of Tanager plant is now out of service due to some trouble at the turbine; this is now being repaired by Navalmeccanica and should be ready in one week. Two month work is needed for repair, by Terni, of the broken shaft of Tete plant.

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Repair work is also proceeding at Pescara plants; the first turbine of Pescara III will only be delivered on January 15 by Savelmeccanica. The first unit of Pescara IV will possibly be in operation before April 1946.

The 10 MW transformer at Fano is being installed at Tuscani - in operation probably on December 15. Civil engineering work proceeding up to schedule at Prettaggione substation.

Agnone II substation will come into operation within December, following one month delay in the delivery of the transformer by C.T.F. Co.

The 150 KV line heading from Pescara is now ready. Repairs proceeding on the 88 KV line.

Eng. Cremona - (Volturno Co.) reported that repair work is going on at Volturno hydro stations; the rebuilding of the small units is being made by Volturno Co. personnel. Transmission line still in bad condition; 150 tons of copper needed.

Transformers are also being repaired by cannibalization of damaged units.

In connection with the recommendations made by the Committee at the last meeting it was reported that:

min 52) More cement will be released by the Militaries to the Italian Government during the next two months; larger amounts of cement have already been made available for civil uses. The Committee recommended that the allocation of cement to the Electrical Coys be continued and the safety of transport be controlled by the Italian Authorities.

min 53) An allocation of 2700 tons of fuel oil for Capuano and 240 tons for Volturno thermal stations has been received. The Committee strongly recommended that the delivery of the monthly allocation be started at the end of any month in order to avoid any stoppage of the generating stations and that the December allocation be possibly increased beyond 2,700 tons.

min 54) Reports of customers on the frequency increase are being received by SIE and will be submitted to the Ministry of Public Works. The Committee recommended that the Government decree fixing the new date for standardization and also protecting the Power Coys from any legal action by the customers, be issued in due time.

60) - Operation programme and availability of power for the months of November and December 1945.

The allocation sheet, compiled in agreement with P53, was shown.

The allocated power corresponds to the August 1945 figures. Most of it should naturally be used to

Agnes II substation will come into operation within December, following one month delay in the delivery of the transformer by O.T.F. Co.

The 150 KV line heading from Pescera is now ready. Repairs proceeding on the 88 KV line.

Eng. Cremona - (Volturno Co.) reported that repair work is going on at Volturno hydro stations; the rewinding of the small units is being made by Volturno Co. personnel. Transmission line still in bad condition; 450 tons of copper needed.

Transformers are also being repaired by cannibalization of damaged units.

In connection with the recommendations made by the Committee at the last meeting it was reported that:

min 52) More cement will be released by the Militaries to the Italian Government during the next two months; larger amounts of cement have already been made available for civil uses.

The Committee recommended that the allocation of cement to the Electrical Coys be continued and the safety of transport be controlled by the Italian Authorities.

min 53) An allocation of 1700 tons of fuel oil for Capuano and 240 tons for Volturno thermal stations has been received. The Committee strongly recommended that the delivery of the monthly allocation be started at the end of any month in order to avoid any stoppage of the generating stations and that the December allocation be possibly increased beyond 2,700 tons.

min 54) Reports of customers on the frequency increase are being received by SNE and will be submitted to the Ministry of Public Works. The Committee recommended that the Government decree fixing the new date for standardization and also protecting the Power Coys from any legal action by the customers, be issued in due time.

60) - Operation programme and availability of power for the months of November and December 1945.

The allocation sheet, compiled in agreement with PBS, was shown.

The allocated power corresponds to the August 1945 figures and any supply from Terni Co should mainly be used to relieve the Sila reservoirs.

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Eng. Mezzanese - reported that the power demand from State Railways is now much larger than in August and cannot be reduced so that, considering also the true diversity factor in Southern Italy, the actual total demand at the plants should be 172 MW instead of 155. Severe curtailment will be necessary to meet the present situation but serious troubles will arise in Apulia, where 65 percent of feeders have to be disconnected during certain hours, and also in Campanie region. It was reported that the Diogen generating plant at Taranto was stopped for shortage of fuel thus rendering considerably worse the Apulia situation. The Committee recommended that the allocation of power in Southern Italy be further discussed by A.C. and the Italian Government, to see if any measure can be taken to improve the electric situation in that region.

61) Interchange of power between Central and Southern Italy

Eng. Asse - reported that, during the last meeting of the Advisory Committee for Northern Italy, he had suggested to increase the power supply to Valdarno Co. from the North. This would make it possible to supply the Southern Italy system from Terni (Gallate 4th unit coming in shortly). The Northern Italy Committee had expressed the opinion that some difficulties would arise in connection with the supply to Valdarno, due to the serious situation for electric power in the North. This matter is being discussed during these days by A.C., the Italian Government and the Power Coys.

62) Any other business

There were no other business.

63) Date and time of the next meeting

Next meeting will be held in the Offices of Società Meridionale di Elettricità - Naples at 0900 hrs on Friday December 14 - 1945.

Dr. Eng. FRANCESCO BARIUZZI,
Secretary to the Committee.

It was reported that the Diesel generating plant at Taranto was stopped for shortage of fuel thus rendering considerably worse the Apulia situation. The Committee recommended that the allocation of power in Southern Italy be further discussed by A.C. and the Italian Government, to see if any measure can be taken to improve the electric situation in that region.

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62) Any other business

There were no other business.

63) Date and time of the next meeting

Next meeting will be held in the Offices of Società Meridionale di Elettricità - Naples at 0900 hrs on Friday December 14 - 1945.

Dr. Eng. FRANCESCO BARILETTI,
Secretary to the Committee.

Declassified E.O. 12356 Section 3.3/NND No.

785017

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DISTRICT UNION LIST

C.A.O. - AFHQ
 C in C Mediterranean Station AFHQ
 G-5 AFHQ 512
 G-4 (A) AFHQ (2)
 G-4 (B) AFHQ
 Director of Works (D) AFHQ - CMF (2)
 C.E., AFHQ - AFO 512
 Q (Asst), CMF, CMF
 Fiscal Director, MFOUSA
 Lia (Italy) Pa. Increment, CMF
 C.S. Tarnato
 Eng. Section AFHQ/AFO - AFO 528
 Eng. Ser. Southern District FLS - AFO 782
 C.E. - FLS - AFO 782 (2)
 HQ #1 District
 C.E. #3 District
 C.C. - R.A.A.C. (2)
 AFHQ - L.A.C. - CMF
 HQ Maritime Depot - AFO 388 USA (2)
 Chief Commissioner AC
 Executive Commissioner HQ AC
 Vice President - Economic Section HQ AC (2)
 Commerce S/C - Coal Division
 Public Relations Lr. HQ AC
 Agriculture Sub-Commission HQ AC
 Food Sub-Commission HQ AC
 Labour Sub-Commission HQ AC
 Trans. Sub-Commission HQ AC
 Industry Sub-Commission HQ AC
 Regional Commissioner Piemonte Region
 (Att: Reg. Engineer) Liguria Region
 Lombardy Region
 Venetia Region
 File
 Stores.

4991

SOUTHERN ITALY ELECTRICITY SCHEME

Telephone
Rome 459081 - Ext. 317

2 Nov. 1945

ADVISORY COMMITTEE ON ELECTRIC POWER (SOUTHERN ITALY) NOV 8 1945

MINUTES

The ninth meeting of the Advisory Committee on Electric Power (Southern Italy) was held in the offices of Ente Autonomo Volturno - Naples - at 0930 hrs. on Wednesday, October 17th 1945.

Present :-

Dr. Eng. T. Lasturzo	- Acting Chairman
Prof. Eng. A. Asta	- Vice Chairman
Dr. Eng. Gerillo	- Member
Dr. Eng. Anione	- " "
Dr. Eng. Montefusco	- " "
Dr. Eng. Love	- " "
Prof. Eng. Ruggiero	- Secretary
Dr. Eng. F. Larlucci	- In attendance
Lt-Col. G.A. Farber	- " "
Dr. Eng. Cremona	- " "
Dr. Eng. Leanza	- " "

50) - Minutes of the eighth meeting held on Friday, September 21st, 1945.

The minutes were received.

51) - Rehabilitation programmes and material requirements.

Reports on damages and repairs already carried out will shortly be submitted by the Electrical Coys.

A copy of the list of the main material for El. Coys, ordered in U.S.A. will be requested by Ministry of Public Wks. to Ministry of Industry and then sent to SAE and Volturno Co. in order that they may check their own requirements.

52) - To review progress of repairs to generating plants and Transmission systems

Eng. Lasturzo (SAE) reported that repair work for Pescara turbines is proceeding slowly and the units will probably not be ready by the end of November. Two units will be repaired at Pescara I and three at Pescara II; a new electrical unit, now ordered in Northern Italy, will replace two destroyed sets. Large amount of cement is needed for civil engineering repairs (approx. 700 tons per month.)

The Committee recommended that more cement wks. be released by the Allied Forces and coal be allocated to cement works in order that the Electrical Coys' requirements be met. Avestino station is now regularly operating at 50 cy. on UNES grid (2000 kw output.)

NOV 8 1945

MINUTES OF THE ADVISORY COMMITTEE ON ELECTRIC POWER (SOUTHERN ITALY)

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785017

Declassified E.O. 12356 Section 3.3/NND No.

The ninth meeting of the Advisory Committee on Electric Power (Southern Italy) was held in the offices of Ente Autonomo Volturmo - Naples - at 0930 hrs. on Wednesday, October 17th 1945.

MINUTES

Present :-

Dr.Eng. T. Lasturzo	- Acting Chairman
Prof.Eng. A. Asta	- Vice Chairman
Dr.Eng. Gerillo	- Member
Dr.Eng. Maione	- "
Dr.Eng. Montefusco	- "
Dr.Eng. Dove	- "
Prof.Eng. Ruggiero	- "
Dr.Eng. F. Barluzzi	- Secretary
Lt-Col. G.F. Farber	- In attendance
Dr.Eng. Crenone	- "
Dr.Eng. Leanza	- "

50) - Minutes of the eighth meeting held on Friday, September 21st, 1945.

The minutes were received.

51) - Rehabilitation programmes and material requirements.

Reports on damages and repairs already carried out will shortly be submitted by the Electrical Coys.
A copy of the list of the main material for El. Coys, ordered in U.S.A. will be requested by Ministry of Public Wks. to Ministry of Industry and then sent to SIE and Volturmo Co. in order that they may check their own requirements.

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Large amount of cement is needed for civil engineering repairs (approx. 700 tons per month.)
The Committee recommended that more cement Wks. be released by the Allied Forces and coal be allocated to cement works in order that the Electrical Coys' requirements be met.
Aventino station is now regularly operating at 50 cy. on UNES grid (2000kW output.)
Late is producing 20,000 Kw a day, during peak load hours.
Matese is out of service due to lack of water.
Carrigliano station is being repaired; 50% of turbines are damaged.

(CAPT BRADDOCK) SPW

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Generators not in very bad condition.

Orichella alternator coils are being repaired by Brown-Boveri; one month and a half delay will bring the operation of this unit to the end of December. Repairs to substation are proceeding. Feroleto transformer has been dismantled and will be taken to Tuscano when the requested low-voltage ear will be available.

Fescara-Apulia transmission line is now ready. Fescara-Frattegiore will possibly be reactivated at the end of October.

Eng. Laione (Voturno Co.) reported that all repair work is proceeding slowly due to shortage of transport and cement. Some areas are still mined and transmission line repairs consequently delayed.

53) - Operation programme and availability of power for the month of November 1945.

Eng. Masturzo (GIE) reported that the demand has now considerably increased due to abolition of summer time and to seasonal variation. The evening peak is now 163 MW but curtailment is being made in Apulia (10 MW) and in other areas. The maximum available output could be increased from 163 to 180 MW if rainfall comes on the beginning of November, as in normal years, or if the steam plant at Capuano can be operated for at least 14 hrs a day with 20-21 MW output; the necessary fuel oil is about 3,600 tons per month.

Eng. Laione (Voturno Co.) stated that Voturno Diesel plant requirement for full operation is about 400 tons of Diesel oil per month.

The Committee recommended that, in view of the critical situation in November when stream flow increase cannot be relied upon yet, an allocation of 6,800 tons of fuel oil be made for the months of November and December, including SLE and Voturno Coys. requirements. The hydrological situation should definitely be better after that period. AC will look the matter on supplying fuel oil.

The question of not exceeding the power allocated to State Railways (see Min. 46) is in hand by Ministry of Public Wks. and State Railways.

54) - Standardization of frequency, import of power and specified areas to be supplied from Central Italy.

Eng. Cerillo reported that Apulia Aqueduct Co. will not have particular troubles if frequency is raised to 50 cy. by the middle of November. Difficulties will be experienced by small industrial customers.

Eng. Montefusco reported on the strong reaction in Campania region, against any change of frequency. This is mainly due to the fact that most of the existing industrial equipment had been designed for 42 cy.

Eng. Dove reported that in Naples area many difficulties would arise in connection with the operation at 50 cy. of industrial customers. The naval dockyard Wks. had stated that they could not operate at 50 cy.

Eng. Laione reported that some months would be needed in order to adapt the pumps of Voturno Aqueduct to the new frequency. Difficulties would also be experienced for the operation of water raising pumps at the Military Hospital. On the generating side it must be stressed that the Voturno Diesel plant could not be operated at 50 cy.

Eng. Masturzo reported that a reply from Brown Boveri is expected in a short time, stating what alteration must be made at Capuano steam plant to meet the frequency raise.

Some important changes should also take place to adapt the Savuto

53) - Operation programme and availability of power for the month of November 1945.

Eng. Masturzo (ME) reported that the demand has now considerably increased due to abolition of summer time and to seasonal variation. The evening peak is now 163 MW but curtailment is being made in Apulia (10 MW) and in other areas. The maximum available output could be increased from 163 to 160 MW if rainfall comes at the beginning of November, as in normal years, or if the steam plant at Capuano can be operated for at least 14 hrs a day with 20-21 MW output; the necessary fuel oil is about 3,600 tons per month.

Eng. Laione (Volturno Co.) stated that Volturno Diesel plant requirement for full operation is about 400 tons of Diesel oil per month. The Committee recommended that, in view of the critical situation in November when stream flow increase cannot be relied upon yet, an allocation of 6,800 tons of fuel oil be made for the months of November and December, including SME and Volturno Coys. requirements. The hydrological situation should definitely be better after that period. AC will look the matter of supplying fuel oil. The question of not exceeding the power allocated to State Railways (see min. 46) is in hand by Ministry of Public Wks. and State Railways.

54) - Standardization of frequency, import of power and specified areas to be supplied from Central Italy.

Eng. Cerillo reported that Apulia Aqueduct Co. will not have particular troubles if frequency is raised to 50 cy. by the middle of November. Difficulties will be experienced by small industrial customers.

Eng. Lontafusco reported on the strong reaction in Campania region, against any change of frequency. This is mainly due to the fact that most of the existing industrial equipment had been designed for 42 cy.

Eng. Love reported that in Naples area many difficulties would arise in connection with the operation at 50 cy. of industrial customers. The naval dockyard Wks. had stated that they could not operate at 50 cy.

Eng. Laione reported that some months would be needed in order to adapt the pumps of Volturno Aqueduct to the new frequency. Difficulties would also be experienced for the operation of water raising pumps at the Military Hospital. On the generating side it must be stressed that the Volturno Diesel plant could not be operated at 50 cy.

Eng. Masturzo reported that a reply from Brown Boveri is expected in a short time, stating what alteration must be made at Capuano steam plant to meet the frequency raise.

Some important changes should also take place to adapt the Savuto water-raising plant to the new frequency. According to the opinion expressed by the Electrical Coys, the whole Southern Italy area could not be safely operated at 50 cy. before the next summer.

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After much discussion the Committee recommended that official reports on difficulties which would be experienced at 50 cy, be submitted to the Ministry of Public Wks.

Eng. Masturzo advised that an area including Foglia and Benevento could first be interconnected with Terni Co. system, when Galletto IV unit comes into operation, and raised to 50 cy.

The required load can be estimated to 20-21 MW.

The Committee recommended that the matter of supplying the Benevento-Foglia railroad be discussed with State Railways engineers.

55) - Any other business

There were no other business.

56) - Date and time of the next meeting

Next meeting will be held in the offices of Societa' Meridionale di Eletticita' at 0930 hrs. on Thursday, November 22nd, 1945.


Dr. Eng. FRANCESCO BARLUZZI,
Secretary to the Committee.

4938

The Committee recommended that the matter of supplying the Benevento-Foggia railroad be discussed with State Railways engineers.

55) - Any other business

There were no other business.

56) - Date and time of the next meeting

Next meeting will be held in the offices of Società Meridionale di Eletticità at 0930 hrs. on Thursday, November 22nd, 1945.


Dr. Eng. FRANCESCO BARILUZZI,
Secretary to the Committee.

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Declassified E.O. 12356 Section 3.3/NND No.

785017

DISTRIBUTION LIST

C.A.O. - AFHQ
 C in Mediterranean Station AFHQ
 G-5 AFHQ 512
 G-4 (A) AFHQ (2)
 G-4 (B) AFHQ
 Director of Works (B) AFHQ - CMF (2)
 C.E., AFHQ - AFO 512
 C (Asst), CMF, CMF
 Fiscal Director, ETOUSA
 Lia (Italy) Pa. Increment, CMF
 C.S. Toronto
 Eng. Section AFSCO/ETO - AFO 528
 Eng. Sec. Southern District FES - AFO 782
 C.E. - FES - AFO 782 (2)
 HQ #1 District
 C.E. #3 District
 C.C. - N.A.M.C. (2)
 AFHQ - L.M.C. - CMF
 HQ Aesthetic Depot - AFO 368 USA (2)
 Chief Commissioner AC
 Executive Commissioner HQ AC
 Vice President - Economic Section HQ. AC (2)
 Commerce S/C - Coal Division
 Public Relations Br. HQ AC.
 Agriculture Sub-Commission HQ AC
 Food Sub-Commission HQ AC
 Labour Sub-Commission HQ AC
 Trans. Sub-Commission HQ AC
 Industry Sub-Commission HQ AC
 Regional Commissioner Piemonte Region
 (Att: Reg. Engineer) Liguria Region
 Lombardy Region
 Venezia Region
 File
 Spares.

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5411 115
CENTRAL RAIL ELECTRICITY SCHEME

Telephone
Rome 489081 - Ext. 317

1st November 1945
NOV 8 1945

ADVISORY COMMITTEE ON ELECTRIC POWER (CENTRAL ITALY)

MINUTES

The tenth meeting of the Advisory Committee on Electric Power (Central Italy) was held in the offices of Romana Co., Rome, at 0900 hrs. on Monday October the 15th.

Present :

Dr. Eng. A. Fovelli	- Acting Chairman
Prof. Eng. A. Asta	- Vice Chairman
Dr. Eng. G. Angelucci	- Member
Prof. Eng. A. Angelini	- "
Dr. Eng. G. Landucci	- "
Dr. Eng. E. Virgili	- "
Dr. Eng. F. Darluzzi	- Secretary
Lt-Col. G. F. Parker	- In attendance
Lt-Col. V. S. Henton	- "
Dr. Eng. D. Pietromarchi	- "
Dr. Eng. Musi	- "

63) - Minutes of the last meeting held on September 17, 1945

The minutes were received.

64) - Rehabilitation Programs and Material requirements

Programs from ACEA, Selt Valdarno, Terni Co. and State Railways, will shortly be submitted.
Programs from Romana Co. and UNES already received.

65) - To review progress of repairs to generating plants and transmission systems.

Eng. Angelucci (ACEA) stated that all repairs proceed up to schedule.

Eng. Landucci (Selt Valdarno) reported that repairs to generating plants in Garfagnana area are being delayed due to shortage of cement. An allocation of at least 200 tons is urgently needed and should be made from the Civitavecchia Cement Wks. Cement Wks. at Prato cannot operate for shortage of coal. It was reported that cement sacks, are often in very bad condition and that brings about a loss estimated to 10%.

The Committee recommended that also the quality of cement produced now be carefully tested in order to avoid any serious troubles.

Eng. Fovelli (Romana Co.) stated that repairs to Canterno reservoir have been completed; works are proceeding at the gallery.

NOV 8 1945

MINUTES

The tenth meeting of the Advisory Committee on Electric Power (Central Italy) was held in the offices of Romana Co., Rome, at 0900 hrs. on Monday October the 15th.

Present :

Dr. Eng. A. Rovelli	- Acting Chairman
Prof. Eng. A. Asta	- Vice Chairman
Dr. Eng. G. Angelucci	- Member
Prof. Eng. A. Angelini	- "
Dr. Eng. G. Landucci	- "
Dr. Eng. E. Virgili	- "
Dr. Eng. F. Barluzzi	- Secretary
It-Col. G. F. Parker	- In attendance
It-Col. V. S. Kenton	- "
Dr. Eng. D. Pietromarchi	- "
Dr. Eng. Lusi	- "

63) - Minutes of the last meeting held on September 17, 1945

The minutes were received.

64) - Rehabilitation programs and material requirements

Programs from ACEA, Selt Valdarno, Terni Co. and State Railways, will shortly be submitted.
Programs from Romana Co. and UNES already received.

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The Committee recommended that also the quality of cement produced now be carefully tested in order to avoid any serious troubles.

Eng. Rovelli (Romana Co.) stated that repairs to Canterno reservoir have been completed; works are proceeding at the gallery. Morino station will come into operation in December. Farfa and Tivoli plants repairs delayed by Terni Steelworks. The Committee recommended that A.C. take some steps in order to expedite the delivery of those units.

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Eng. Virgili (State Railways) reported that repairs to transmission lines are proceeding. Grizzana-Bologna area still mined; clearing work proceeding slowly due to insufficient personnel.

Eng. Musi (Larderello Co.) reported that repairs to generating plants proceed up to schedule. Some electric machinery will shortly be delivered by Ansaldo Co.

Eng. Angelini (Terni Co.) reported that the fourth unit at Galleto will come into operation about November 15th. Cotilia repairs delayed by the Steelworks.

66) - Operation programme for November and report from the Director of the Master Control.

Eng. Pietromareni reported on the operation of the Central Italy Grid stating that voltage and frequency drops were experienced during the evening peak load time. The situation is expected to be worse until December, when new plant is coming into operation. Power availability during the night is 35 MW (9 millions KWH per month.)

Eng. Virgili (State Railways) reported that an application for 2,000 KW, in order to operate the Roma-Carsoli railroad, would shortly be submitted to A.C.

67) - Standardization of frequency and power interchange with other regions.

The Committee was of the opinion that this matter should be thoroughly discussed and a joint meeting, together with representatives of the Northern and Southern Italy Committees, held on the beginning of November in order to set up a programme for the electric power distribution throughout Italy.

68) - All other business

Reference min. # 58

It was reported that new vehicles now manufactured in Italy are short of tyres. The Committee recommended that tyres be made available to the power Co's., from Firelli Co. or from Allied stores. Lists of gasoline requirements will be submitted by the Electrical Coys. to the Ministry of Public Wks. and to A.C. in order to follow the allocations made by the Ministry of Industry.

Reference min. # 61

Ministry of Public Wks. is looking into the matter of supplying cement to the Electrical Coys. from Cement works located at reasonable distance.

The matter of salaries for the personnel of the Master Control was taken up due to the fact that some of the personnel are now working on a time schedule much heavier than that they would have if directly employed by their Coys. and are not receiving any extra allowance for that.

The Committee agreed that an investigation be made on this matter in order to set up a new salary base for the personnel of the Master Control.

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will come into operation about November 15th. Caltia repairs delayed by the Steelworks.

66) - Operation programme for November and report from the Director of the Master Control.

Eng. Pietromarini reported on the operation of the Central Italy Grid stating that voltage and frequency drops were experienced during the evening peak load time.

The situation is expected to be worse until December, when new plant is coming into operation.

Power availability during the night is 35 MW (9 millions KWH per month)

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Lists of gasoline requirements will be submitted by the Electrical Coys. to the Ministry of Public Wks. and to A.C. in order to follow the allocations made by the Ministry of Industry.

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The Committee agreed that an investigation be made on this matter in order to set up a new salary base for the personnel of the Master Control.

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Declassified E.O. 12356 Section 3.3/NND No.

785017

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69) - Date and time of the next meeting

Next meeting will be held in the Offices of Romana Co., Rome,
at 0900 hrs. on Monday November 19, 1945.


Dr. Eng. FRANCESCO BARUZZI,
Secretary to the Committee.

4964

0058

Declassified E.O. 12356 Section 3.3/NND No.

785017

Mr. Joseph
Mr. Eng. FRANCESCO FARUZZI,
Secretary to the Committee.

4984

Declassified E.O. 12356 Section 3.3/NND No.

785017

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DISPATCH LIST

C.A.O. - AFHQ
 C in C Mediterranean Station AFHQ
 G-5 AFHQ 512
 G-4 (A) AFHQ (2)
 G-4 (B) AFHQ
 Director of Works (B) AFHQ - CMF (2)
 C.E., AFHQ - AIO 512
 Q (Mint), CMF, CMF
 Fiscal Director, MTOUSA
 L.H. (Italy) Th. Increment, CMF
 C.S. Taranto
 Eng. Section AFHQ/MTO - AIO 528
 Eng. Ser. Southern District FLS - AIO 782
 C.E. - FLS - AIO 782 (2)
 HQ #1 District
 C.E. #3 District
 C.O. - A.A.A.C. (2)
 AFHQ - L.H.C. - CMF
 HQ Adriatic Depot - AFO 388 USA (2)
 Chief Commissioner AC
 Executive Commissioner HQ AC
 Vice President - Economic Section HQ AC (2)
 Commerce S/C - Coal Division
 Public Relations Br. HQ AC
 Agriculture Sub-Commission HQ AC
 Food Sub-Commission HQ AC
 Labour Sub-Commission HQ AC
 Trans. Sub-Commission HQ AC
 Industry Sub-Commission HQ AC
 Regional Commissioner Piemonte Region
 (Att. Reg. Engineer) Liguria Region
 Lombardia Region
 Venezia Region

 File
 Spares.

7903

NORTHERN ITALY ELECTRICITY SCHEME

Telephone
Rome 489081 - Ext 317

6 October 1945

ADVISORY COMMITTEE ON ELECTRIC POWER (NORTHERN ITALY)

NOV 8

MINUTES

The third meeting of the Advisory Committee on Electric Power (North Italy) was held in the offices of Edison Co. - Milan - at 10,000 hrs. on Thursday October 4th, 1945.

Present:

Dr. Eng. F. Benedetto	- Acting Chairman
Prof. Eng. A. Asta	- Vice Chairman
Dr. Eng. R. Maria	- Member
Dr. Eng. A. Brunetti	- "
Dr. Eng. E. Solari	- represen. Dr. Eng. Selmo
Dr. Eng. G. Dezza	- Member
Dr. Eng. G. Merla	- "
Dr. Eng. Berni	- represen. Dr. Eng. Castellani
Dr. Eng. F. Baruzzi	- Secretary
lt-Col. G. F. Parker	- In attendance
Major C. S. Wilcox	- "
Dr. Eng. F. Facconi	- "
Dr. Eng. Genesio	- "
Dr. Eng. Chierichetti	- "

13) - Minutes of the last meeting, held on August 30, 1945

The minutes were received.

Page 3 - Eng. Lezza's report should read: daily consumption of Falck Co. furnaces is now 120,000 KWH.

Page 4 - Eng. Genesio's report should read: repairs of Levera and Airole stations will require a long time.

14) - Report on war damage to electric systems and on repair work already carried out.

Reports will be submitted according to schemes suggested by Ministry of Public Works in agreement with A.C.

The Committee agreed that also the causes of destruction be shown in the report (war action, mines, air bombing, partisan action).

15) - To review progress of repairs to electric systems. New reconstruction programmes.

Reference Min 7) Production programme of Aluminium Wks. will not be submitted as no electric power is available for this purpose.

6 October 1945

ADVISORY COMMITTEE ON ELECTRIC POWER (NORTHERN ITALY)

NOV 8

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Present:

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Prof. Eng. A. Asta	- Vice Chairman
Mr. Eng. H. Larin	- Member
Mr. Eng. A. Brunetti	- "
Mr. Eng. E. Bolari	- represen. Mr. Eng. Selmo
Mr. Eng. G. Dezza	- Member
Mr. Eng. G. Merla	- "
Mr. Eng. Berni	- represen. Mr. Eng. Castellani
Mr. Eng. F. Barluzzi	- Secretary
Mr. Col. G. F. Parker	- In attendance
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Mr. Eng. Genesio	- "
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The Committee agreed that also the causes of destruction ~~be shown~~ in the report (war action, mines, air bombing, partisan action).

15) - To review progress of repairs to electric systems.
New reconstruction programmes.

Reference Min 7) Production programme of Aluminum Wks. will not be submitted as no electric power is available for this purpose.

" " " " A.C. is looking into the matter of supplying copper USA. The Committee was of the opinion that Electric Coys. should be granted the highest priority in connection with the allocation of this material.

Div 10/10/45
(CAPT BRAYDON)

reference Min. 7) A.C. is following the matter of insulating oil availability.

Eng. Benedetto (Edison Co.) reported that Sonico station is now in operation; only one transformer is still to be repaired. One perstock at Tenu' station is in good condition, another one will shortly be ready. Luchioso, Strattara and S. Michele plants are being repaired. Repairs to transmission lines are proceeding; higher priority is given to most important lines.

Eng. Solari of S.I. P. reported that Funghera and Castiglione Lora plants (24 MW) are now in operation; third perstock at Venaus plant will be ready about November 15. Minor damages also under repair; energy production now normal. Torino-Asti 70 KV line now in service; delay in other lines due to shortage of copper conductor. Cislago substation is operating with 2 transformers; Turbigo to be ready at the end of October with second 230 KV transformer completed.

Eng. Marin (Adriatica Co.) reported that Loblari plant cannot be operated at full capacity due to insufficient transmission line. Only 148 Kms, out of 1,000, of 130 KV line still to be repaired. Copper conductor needed.

Eng. Brunetti (AEM Turin) reported that only a few Kms of 90 KV and 100 of 50 KV damaged lines still remain unrepaired.

Eng. Chierichetti (AEM Milan) reported that transmission lines are now repaired.

Eng. Lezza (Salck Co.) stated that Tavazzano substation is still out of service; high voltage insulators needed. Genova-Spigno transmission line is now operated with single circuit; second circuit ready in October.

Eng. Berni (Montecatini Co.) reported that Leri station has now only 11 MW output following some damage. Repairs probably completed in December. Repairs to substation are proceeding; transformer oil needed.

Col. Parker reported that approximately 20,000 tons of copper have been requisitioned in U.S.A. for Italy; no information available yet as to actual delivery.

- 16) - Priority order in repair work and construction of new machinery and equipment.

The Committee agreed that this matter be discussed at the next meeting, when reports on this subject and on war damage will be available.

- 17) - General situation of transport and allocation of vehicles. 4981
New vehicles manufactured in Italy are now free for delivery but short of tires. The Committee recommended that lists of vehicles required be Electrical Coys, not yet submitted to the Ministry of Public Works, be sent within next week.

- 18) - Operation programme and availability of power for the month of October.

Reported on the various situations arising.

Eng. Solari of S.I.I. reported that Funghera and Castiglione Iora plants (24 MW) are now in operation; third restock at Venaus plant will be ready about November 15. Minor damages also under repair; energy production now normal.

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The Committee recommended that lists of vehicles required by Electrical Coys, not yet submitted to the Ministry of Public Works, be sent within next week.

- 18) - Operation programme and availability of power for the month of October.

Eng. Loredetto (Edison Co.) reported on the serious situation arising from the increasing demand for domestic services. Present weekly production is 16-18 millions KWH more than last year; a very high peak is absorbed in Milan during cooking hours.

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Much anxiety exists as to power demand situation of next winter considering the actual overloading of distribution systems.

Eng. Solari (SIF) reported that an output increase of 18% is observed in September as compared to 1944 also due to steel-works operation. Estimated increase in October is 30%. A shortage of 50 to 60 millions KWH is anticipated for the next winter.

Eng. Marin (Adriatica Co.) reported that daily production is now 4 millions KWH. (3.2 millions on the beginning of September); high peak loads are observed during cooking hours. Arrangements are now being made by Adriatica Co. in order to take more power from Montecatini Co., thus relieving Edison Co.

Eng. Brunetti (ATM Turin) reported that an increase of 100% is observed in energy distributed now, ~~as~~ compared with 1944 figure. Outages of distributing cabin transformers (about 50 per day) are due to excessive overloading.

Eng. Chierichetti (ATM Milan) reported on the insufficient production of electric power for the month of October. Electric furnaces for pig iron could be replaced by Martin furnaces if iron scraps were available.

Eng. Berni (Montecatini Co.) reported that the Montecatini Co. production will possibly be sufficient considering on average year as to rainfall situation.

Eng. Benedetto resumed situation stating that a shortage of some hundred millions KWH is anticipated for the next winter. Also peak load demand will not be met unless some provisions are made. Gas distribution for hours a day will not sufficiently relieve the power situation; fuel should also be provided for the thermal generating plants.

Col Parker informed the Committee on the coal allocations to Gas Works October, and also advised that no fuel would probably be available for thermal stations.

After much discussion the Committee agreed and recommended that following steps be taken to improve the electric power situation in Northern Italy.

- 1) Sufficient supply of coal to gas works.
- 2) Fuel to thermal stations in order to meet emergency situation.
- 3) Iron scraps for foundries in order not to operate electric furnaces.
- 4) Investigation on industry and steelworks power requirements.
- 5) General rationing of consumers.
- 6) Prefects and Genio Civile to be informed on the situation.
- 7) Articles to be published in newspapers, in order to inform all people on the seriousness of this matter.
- 8) Full utilization of any available source of hydro power.

19) - Any other business

The Committee recommended that coal for forges and gasoline be supplied to Electrical Coys. with high priority.

20) - Date and time of the next meeting.

Next meeting will be held in the offices of Edison Co. Milan at

0085

Eng. Marin (Adriatica Co.) reported that daily production is now 4 millions kWh. (3.2 millions on the beginning of September); high peak loads are observed during cooking hours. Arrangements are now being made by Adriatica Co. in order to take more power from Montecatini Co., thus relieving Edison Co.

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- 7) Articles to be published in newspapers, in order to inform all people on the seriousness of this matter.
- 8) Full utilization of any available source of hydro power.

19) - Any other business

The Committee recommended that coal for forges and gasoline be supplied to Electrical Coys. with high priority.

20) - Date and time of the next meeting.

Next meeting will be held in the offices of Edison Co. Milan at 0900 hrs. on Thursday, November 15th 1945.

Dr. Eng. FRANCESCO BARIUZZI
Secretary to the Committee

Declassified E.O. 12356 Section 3.3/NND No.

785017

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DISTRIBUTION LIST

C.A.O. - AFHQ
 C in C Mediterranean Station AFHQ
 G-5 AFHQ 512
 G-4 (A) AFHQ (2)
 G-4 (D) AFHQ
 Director of Works (D) AFHQ - CMF (2)
 C.E., AFHQ - AFO 512
 Q (Asst), CMF, CMF
 Fiscal Director, LTAUSA
 D.I. (Italy) Tn. Increment, CMF
 C.S. Taranto
 Eng. Section AFSCC/AFO - AFO 528
 Eng. Ser. Southern District ILS - AFO 782
 C.E. - ILS - AFO 782 (2)
 HQ #1 District
 C.E. #3 District
 C.O. - R.A.A.C. (2)
 AFHQ - ILS - CMF
 HQ Adriatic Depot - AFO 308 USA (2)
 Chief Commissioner AC
 Executive Commissioner HQ AC
 Vice President - Economic Section HQ AC (2)
 Commerce D/C - Coal Division
 Public Relations Br. HQ AC
 Agriculture Sub-Commission HQ AC
 Food Sub-Commission HQ AC
 Labour Sub-Commission HQ AC
 Trans. Sub-Commission HQ AC
 Industry Sub-Commission HQ AC
 Regional Commissioner Piemonte Region
 (Att. Reg. Engineer) Liguria Region
 Lombardia Region
 Venezia Region
 File
 Spares.

4979

EXECUTIVE COMMISSIONER

SOUTHERN ITALY ELECTRICITY SCHEME

Telephone

Rome 489084 - Ext. 317

3 October 1945
OCT 15 1945

ADVISORY COMMITTEE ON ELECTRIC POWER (SOUTHERN ITALY)

MINUTES

The eighth meeting of the Advisory Committee on Electric Power (Southern Italy) was held in the offices of Società Meridionale di Elettricità - Naples at 0930 hrs on Friday September 21, 1945.

Present:

Dr. Eng. T. Masturzo	- Chairman
Prof. Eng. A. Asta	- Vice Chairman
Dr. Eng. Gerillo	- Member
Dr. Eng. Montefusco	"
Dr. Eng. Bove	"
Prof. Eng. Ruggiero	"
Dr. Eng. Lesaze	- Representing Dr. Eng. Maione (Member)
Dr. Eng. Barluzzi	- Secretary
Lt. Col. G.F. Parker	- In attendance
Mr. H.H. Townsend	"

43) - Minutes of the seventh meeting held on August 17th 1945

The minutes were received.

44) - To review progress of repairs to generating plants and transmission systems

Tables of rehabilitation work and material requirements (min. 38), submitted to Ministry of Public Works, are now being coordinated.

The matter of repairs to Pescara units (min. 38) in hand by the Ministry of Public Works.

Orders have been placed in U.S.A. for mica and shales (min. 38); no information as to actual delivery.

Terni and Felck Companies will report on their production of magnetic sheets (min. 38) as soon as it is started.

Steps are being taken by I.C. with PBS in connection with pine-timber supply from Sila (min. 39).

Ministry of Public Works is expediting the sending of personnel for the removal of mines in Montaquila-Cori Area (min. 39).

0068

785017

Declassified E.O. 12356 Section 3.3/NND No.

MINUTES

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Present:

Dr. Eng. T. Masturzo	- Chairman
Prof. Eng. A. Asta	- Vice Chairman
Dr. Eng. Gerillo	- Member
Dr. Eng. Montefusco	- "
Dr. Eng. Bove	- "
Prof. Eng. Ruggiero	- "
Dr. Eng. Losanze	- Representing Dr. Eng. Melone (Member)
Dr. Eng. Barluzzi	- Secretary
Lt. Col. G.F. Parker	- In attendance
Mr. H.H. Townsend	- "

43) - Minutes of the seventh meeting held on August 17th 1945

The minutes were received.

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Tables of rehabilitation work and material requirements (min. 38), submitted to Ministry of Public Works, are now being coordinated.

The matter of repairs to Pescara units (min. 38) in hand by the Ministry of Public Works.

Orders have been placed in U.S.A. for mice and shelled (min. 38), no information as to actual delivery.

Terni and Falck Companies will report on their production of magnetic sheets (min. 36) as soon as it is started.

Steps are being taken by A.C. with PBS in connection with pine-timber supply from Sila (min. 39).

Ministry of Public Works is expediting the sending of personnel for the removal of mines in Montequila-Cori Area (min. 39).

The matter of glass sheet production in hand by Ministry of Public Works (min. 41).

Handwritten signature and initials.

(Case White)

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Eng. Masturzo (SME) reported that repair work for Pescara 3rd stage is now being regularly carried out by Navalmeag canice; no delay expected. Units of Pescara 4th stage are being repaired by Terni Co.; plant possibly in operation before 3rd stage station. Ministry of Public Works will contact Terni on this matter.

Avellino station will shortly be repaired, possibly at 50 cycles on UNES grid.

Lete station is being tested; operation expected during peak load hours only.

Nearly all coils for Orichella (Sile) unit have been shipped from Milan (Edison Doveri Company); repair work in Sile now suspended due to lack of gasoline for the transport of workers.

Eng. Asta reported that arrangements were being made by EMAC in Rome to make available the required fuel. Repairs to substations are proceeding regularly; one transformer for Agnani II will be delivered with one month delay by C.T.E. Company in Bergamo.

Transmission lines repairs up to schedule; serious troubles will arise if all UTC trucks now in use by S.M.E. will be requisitioned by AMG for the work at Naples port.

Eng. Ieanza (Volturno Company) reported that some delay in the rehabilitation work was due to insufficient personnel for the clearance of mined areas. Eng. Meione (General Manager of Volturno Co.) is now in Northern Italy to make necessary arrangements in connection with new units for Volturno Company generating plants.

45) - Transport situation and allocation of vehicles

Mr. Townsend reported that trucks requisitioned by AMG from Utilities Companies will be returned when a block allocation of 50 trucks is received by AMG from the Ministry of Transport. Necessary steps are also being taken in order that SME may purchase 32 trucks from the Army and Navy Liquidation Board.

It was reported that trucks now being used by Lucene and Apulic Companies and belonging to 12 CRE will possibly be handed over to Naples Commune (AMG) when 12 CRE will be moved out so that they still may remain for the use of the Electrical Companies.

List of transport requirements of SME, already sent to the Ministry of Public Works, was submitted to the Committee by Eng. Masturzo.

Rail transport facilities are now being regularly obtained (min. 41).

Leto station is being tested; operation expected during peak load hours only.

Nearly all coils for Orichella (Sila) unit have been shipped from Milan (Edison Boveri Company); repair work in Sila now suspended due to lack of gasoline for the transport of workers.

Eng. Asta reported that arrangements were being made by ENAC in Rome to make available the required fuel. Repairs to substations are proceeding regularly; one transformer for Agnano II will be delivered with one month delay by O.T.E. Company in Bergamo.

Transmission lines repairs up to schedule; serious troubles will arise if all UTC trucks now in use by S.M.E. will be requisitioned by AMG for the work at Naples port.

Eng. Lanza (Vulturno Company) reported that some delay in the rehabilitation work was due to insufficient personnel for the clearance of mined areas. Eng. Leone (General Manager of Vulturno Co.) is now in Northern Italy to make necessary arrangements in connection with new units for Vulturno Company generating plants.

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It was reported that trucks now being used by Lucena and Anulie Companies and belonging to 12 CRE will possibly be handed over to Naples Company (AMG) when 12 CRE will be moved out so that they still may remain for the use of the Electrical Companies.

List of transport requirements of SME, already sent to the Ministry of Public Works, was submitted to the Committee by Eng. Masturzo.

Rail transport facilities are now being regularly obtained (min. 41).

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46) - Operation programme for the next months and availability of power

Rest day displacement scheme still being applied; results not yet very satisfactory. The Committee again recommended that this scheme be maintained during winter. It was reported that State Railways are very often largely exceeding their power allocation.

The matter of supplying State Railways from various sub-stations on the transmission lines from Sile, will be discussed by ENEL representatives with Railroad engineers in Rome.

The Committee recommended that Ministry of Public Works take some steps with State Railways in order that their allocation of power be not exceeded, especially during peak load hours (from 6800 to 1200 and from 1800 to 2000 hours).

Fuel oil is urgently required at Capuano Steam Plant in order to implement the insufficient hydroelectric production.

The Committee recommended that A.C. look into this matter.

47) - Frequency standardization and report on the operation at 50 cycle of Central Italy Grid

Eng. Aste reported on the results of 50 cycle operation in Central Italy. Arrangements are being made to adapt the pumping stations in Pontine Marshes to the new frequency. Eng. Masturzo, Eng. Cerillo and Eng. Dove reported on difficulties for the 50 cycle operation in many industrial plants. The Committee recommended that a report on this matter be submitted by SIE to Ministry of Public Works also stating the date on which frequency could safely be raised in various areas.

Eng. Aste reported on the joint meeting of the Advisory Committees for Central and Southern Italy, held on September 17 in Rome. All possible solutions in connection with the power supply from Central to Southern Italy are still being discussed by A.C., Ministry of Public Works and Electrical Companies.

48) - Any other business

The Committee recommended that steps be taken to facilitate the shipping of rice, shells, and magnetic sheets from U.S.A.

49) - Date and time of the next meeting

Next meeting will be held in the offices of Ente Autonomo del Volturno - Naples - at 630 hrs on Wednesday October 17, 1955

The matter of supplying State Railways from various sub-stations on the transmission lines from Sile, will be discussed by SIE representatives with Railroad engineers in Rome.

The Committee recommended that Ministry of Public Works take some steps with State Railways in order that their allocation of power be not exceeded, especially during peak load hours (from 600 to 1200 and from 1800 to 2000 hours).

Fuel oil is urgently required at Capuano Steam Plant in order to implement the insufficient hydroelectric production.

The Committee recommended that A.C. look into this matter.

- 47) - Frequency standardization and report on the operation at 50 cycle of Central Italy Grid

Eng. Asta reported on the results of 50 cycle operation in Central Italy. Arrangements are being made to adapt the pumping stations in Pontino Marshes to the new frequency.

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- 48) - Any other business
The Committee recommended that steps be taken to expedite the shipping of rice, shells, and magnetic sheets from U.S.A.

- 49) - Date and time of the next meeting
Next meeting will be held in the offices of Ente Autonomo del Volturno - Naples - at 930 hrs on Wednesday October 17 1945.

Dr. Eng. FRANCESCO BATTUZZI
Secretary to the Committee

Declassified E.O. 12356 Section 3.3/NND No.

785017

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DISTRIBUTION LIST

C.A.O. - AFHQ
 C-in C Mediterranean Station AFHQ
 G-5 AFHQ APO 512
 G-4 (A) AFHQ (2)
 G-4 (B) AFHQ
 Director of Works (B) AFHQ - CMF (2)
 C.E., AFHQ - APO 512
 QM, Coal Section AFHQ
 Fiscal Director, MTOUSA
 DMR (Italy) Tn. Increment, CMF
 C.S. Taranto
 Eng. Section AAFSCO/MTO - APO 528
 Eng. Ser. Southern District PBS - APO-782
 C.E. - PBS - APO 782 (2)
 HQ No 1 District
 C.E. No 3 District
 C.G. - R.A.A.C. (2)
 AFLRS - RAAC - CMF
 HQ Adriatic Depot - APO 388 USA (2)
 Chief Commissioner AO
 Executive Commissioner HQ AC
 Vice President - Economic Section HQ, AC (2)
 Commerce S/C - Coal Division
 Public Relations Br. HQ, AC
 Agriculture Sub-Commission HQ, AC
 Food Sub-Commission HQ, AC
 Labour Sub-Commission HQ, AC
 Trans. Sub-Commission HQ, AC
 Industry Sub-Commission HQ, AC
 Regional Commissioner Piemonte Region
 (Att. Reg. Engineer) Liguria Region
 Lombardia Region
 Venezia Region

File
 Spares

4975

