Declassified E.O. 12356 Section 3.3/NND No. 785019

ACC 211/PWU

10000/150/586 ADVISORY
CENTRA
FEB. 194

Declassified E.O. 12356 Section 3.3/NND No. 785019

10000/150/586 ADVISORY COMMITTEE FOR ELECTRICITY, CENTRAL ITALY
FEB. 1945 - APR. 1946

2-11 PWU

ADVISORY COMMITTEE FOR ELECTRICITY - CENTR. ITALY

ALL.1

10000 /150/586

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FROM FEBR. 45
TO APR. 46
CATALOGUE-

211

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3848

36.2 Commercio

MINISTERO DELLE CORPORAZIONI

DIVISIONE INDUSTRIA

36-2 Commercio

Officine Savigliano

Torino

Licenza costruzione apparecchi e materiali radioelettrici

Declassified E.O. 12356 Section 3.3/NND No. 785019

36 comune

Officine Savigliano

Torino

Licenza costruzione apparecchi e materiali radioelettrici

La Precisa. Roma. Ord. 633. 3500

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TRANSLATION

Rome 8 April 1946

SUBJECT: Frequency and Voltage Regulation

It is the meaning of this Commissariato to examine in due time some adequate measures in order to maintain constant the distribution frequency and possibly the voltage during the next emergency period which will certainly start during next winter, and probably in fall.

It is understood that, unless some abnormal rainfall on the Terni lakes will take place, and this is most improbable, the next winter season in Central and Southern Italy will have to be faced without any assistance from the important reservoirs of Terni Co. New plant coming in now and in the next months will provide an output almost equivalent to that made possible by the reservoirs so that it is expected that the maximum available power during next winter will be similar to that of last winter.

It is to be noted that the deficiency of Terni lakes will mostly be compensated for by Lorderello which is considerably sensitive to frequency changes and was always operating at 50 cycles; it will therefore be necessary to control the frequency of the system during next winter too.

Our past experience shows that all the measures taken by the Provincial Commissions are always delaying on the technical requirements of power generation and, since a similar situation would probably arise in the future months, I think it advisable to arrange now for suitable technical measures to be taken by the Master Control in order that frequency be not allowed to drop below a certain value which, on the other hand, may be altered following the specific situation. Those technical measures will consist of disconnection of feeders on the high voltage side at the main substations (telephone connected with the Master Control) according to a priority scheme taking into account public services and essential requirements.

This will constitute the <u>fine regulation</u> to be superposed on the <u>gross regulation</u> (which may take place with a certain delay) carried out by means of some general instructions when the first measures will not be sufficient or effective.

I am therefore requesting every Electrical Group to set up a schedule for feeder disconnections by steps of 10 to 20% of the total installed capacity (KVA) in the distributing substations. The disconnections of feeders will follow a priority schedule considering public services, Allied military establishments, hospitals etc. according to those requirements which already are well known to the Companies after the past winter experience.

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A meeting will be held when all data are furnished, possibly in the latter part of this month, in order to review the priority requirements between various Groups and to set up a final priority scheme for all the Central and Southern Italy area.

During this first stage the problem will only roughly be studied and the distribution system divided into 6.....10..... blocks of equivalent substation capacity.

At the same time the matter of telephone connection with Terni Center (which is believed to be the most suitable) will have to be considered in order that any disconnection of those substation-blocks may be effected very quickly, following the request of authorized personnel.

These blocks will have to be concentrated or distributed over the system of every Group according to the availability of telephone communications. It is important, however, that the blocks be distributed as much as possible and therefore the telephone system efficiency that can be reached by September will also have to be examined.

I am waiting for your kind reply and for the requested data which should be submitted to this office not later than April 20.

Virgili

Commissioner

MINISTERO DEI LAVORI PUBBLICI

~~IV Sezione del Consiglio Superiore~~
~~UFFICIO MOBILITAZIONE ENERGIA ELETTRICA~~
COMMISSARIO PER L'ELETTRICITA' NELL'ITALIA CENTRO MERIDIONALE

RIPARTIZIONE CARICO-ROMA

S.R.E. - ROMA
A.C.E.A. - ROMA
U.N.E.S. - ROMA
TERNI-Serv.Elettrici PAPIGNO(Terni)
S.M.E. - NAPOLI
SELT VALDARNO - FIRENZE
e per conoscenza: COL. PARKER-COMMIS.ALLEATA-Div.Elettrica - ROMA

Vs. _____ 31

Ns. 1604 ROMA 8 aprile 1945

OGGETTO : Disciplina delle caratteristiche tecniche (frequenza e tensione).

E' intendimento di questo Commissariato esaminare per tempo i provvedimenti atti a garantire la costanza delle caratteristiche tecniche della distribuzione (frequenza e possibilmente anche tensione) nel periodo di nuove difficoltà che avrà inizio certamente nel futuro inverno e probabilmente nella fine di autunno.

E' già risultato che salvo piogge eccezionali sui bacini della Terni, da cosiderarsi ormai improbabili, la futura stagione invernale dovrà essere affrontata nella zona centro-meridionale senza l'ausilio di notevoli accumuli nei bacini della Terni; nuovi impianti rientrati o che rientreranno in servizio entro l'autunno daranno disponibilità di energia all'incirca equivalente a quelle che provenivano dagli accumuli dei serbatoi Terni e pertanto di massima la disponibilità di energia nel futuro inverno non sarà molto dissimile da quella verificatasi nell'inverno testè decorso.

E' da osservare però che il maggior apporto sostitutivo dell'energia accumulata nei serbatoi Terni, sarà dato dall'impianto di Larderello notoriamente sensibile per la sua efficienza alla frequenza; e in passato, e anche ora, allacciato a reti 50 periodi effettivi. Ciò rende particolarmente necessaria la sorveglianza dei valori della frequenza nel futuro inverno.

Poichè l'esperienza ha dimostrato che i provvedimenti

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S.R.E. - ROMA
A.C.E.A. - ROMA
U.N.E.S. - ROMA
TERNI-Serv.Elettrici PAPIGNO(Terni)
S.M.E. - NAPOLI
SELT VALDARNO - FIRENZE
e per conoscenza: COL. PARKER-COMMIS.ALLEATA-Div.Elettrica - ROMA

Vs. _____

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Poichè l'esperienza ha dimostrato che i provvedimenti adottati dalle Commissione Provinciali giungono in ritardo sulle necessità della produzione di energia e poichè è presumibile che tale circostanza si verificherà anche in futuro ritengo necessario predisporre sin da ora provvedimenti di ordine tecnico da porre a disposizione della Ripartizione del Carico, onde garantire che la frequenza non discenda al di sotto di determinati limiti di tolleranza che potranno anche essere variati in relazione alle circostanze. Tali provvedimenti di ordine tecnico debbono consistere in stacchi effettuati sull'alta tensione nei centri di distribuzione di maggiore importanza che siano collegati telefonicamente al posto di comando secondo un piano di priorità che tenga

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giusto conto delle necessità essenziali per i servizi pubblici e per gli usi di carattere preminente.

La regolazione ottenuta attraverso a questo metodo costituirà allora una regolazione fine che si sovrapporrà alla regolazione più grossolana ed eventualmente tardiva derivante dai provvedimenti di carattere generale tutte le volte in cui questi ultimi provvedimenti non avranno raggiunto il regime o si saranno dimostrati insufficienti allo scopo.

Invito pertanto ogno Gruppo elettrico a predisporre un programma di stacchi per blocchi di alimentazione sull'alta tensione corrispondente ad aliquote fra il 10 e il 20 % del carico totale di KVA installato nelle cabine di distribuzione relative, e disposto in ordine di priorità per cui risulti salvaguardato in ordine decrescente il complesso di installazioni per servizi pubblici,usi militari alleati, ospedali ecc. secondo le esigenze che già si saranno manifestate a conoscenza dei Gruppi stessi in occasione delle difficoltà del passato inverno.

In una riunione che sarà tenuta quando i dati ci saranno pervenuti e probabilmente nella terza decade del corrente mese saranno insieme esaminati i criteri di priorità fra Gruppo e Gruppo per la compilazione di un piano definitivo di priorità relativa a tutta la zona dell'Italia centro-meridionale.

E' evidente che in questa prima fase è sufficiente una sgrossatura del problema dal quale la rete di distribuzione risulta divisa in 6....10 blocchi di equivalente potenza installata nelle cabine di distribuzione.

E' evidente anche che ~~in~~ eseguito parallelamente l'esame delle comunicazioni telefoniche rispetto al centro Terni (che riteniamo il più adatto allo scopo) per assicurare che gli stacchi di detti blocchi possano essere ottenuti rapidamente su richiesta verbale di persone autorizzate. Dalla maggiore o minore disponibilità di dette comunicazioni telefoniche risulterà se i blocchi di potenza distaccata possano essere più o meno frazionati sulle intere reti di ogni gruppo o debbano essere più concentrati; data l'importanza di ottenere il massimo frazionamento è da tener presente la situazione di collegamento telefonico che potrà raggiungersi con riparazioni o lavori entro il settembre p.v.

Gradirei un cortese cenno di assicurazione e resto in ~~in~~ attesa dei dati che desidererei mi pervenissero entro il 20 c.m.

IL COMMISSARIO
(Enea Virgili)

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(Translation)

MINISTRY OF PUBLIC WORKS
Ispettorato for Electricity

Subject : Meeting to discuss problems of Electrical Industry

TO : Electric Coys. and Municipalities.

On April the 2nd and April the 3rd a meeting will be held at this Ministry together with the representatives of the largest Electric Coys. and Municipalities, and that Company is invited to attend.

Following items will be discussed

1) Electricity rates
2) Regulation of consumption
3) Present situation, forecasts and programmes for the reconstruction and new construction of generating plants and Transmission systems.
4) Emergency condition of Central Italy.

In order to coordinate the main items we enclose two short memos and would appreciate it if all experimental data which can be of use in the discussion, were submitted.

/s/ Visentini

M. Visentini
President General

5123

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(Translation)

MEMO Nº 1

I) - TO DETERMINE AVERAGE COSTS:

a) - With regard to the cost of new plants ?
b) - With regard to the average cost of old and new plants, considering a partial or total rehabilitation of the old plants, to be carried out in "x" years ?
c) - With regard to the cost of new plants, as for distribution, and to the market price for generation, in order to take into account the competition by thermo-plants ?
d) - With regard to the market price in order to take into account the competition by steam plants, Diesel, and small generating units owned by the customers ?

II) - TO DETERMINE THE FUTURE ESTIMATED SALE-CONDITIONS

a) - Free-sale condition
b) - Controlled-sale condition
c) - Shifting of consumption in the customers' categories according to both hypothesis.

III) - TO FIX ELECTRICITY RATES

a) - On a national basis
b) - On a regional basis
c) - With reference to costs (see para I.)
d) - With reference to the future sale-conditions (see para II.)

IV) - ALTERATIONS IN THE STRUCTURE OF RATES

a) - By substituting the seasonal factor to the peak-load factor ?
b) - By decreasing the "premio" factor to better utilizers of power during the year ?
c) - By simplifying, after agreement with Finance, the rates for private customers ?
d) - Fixed rates for minor customers and limits for large customers ?
e) - Rates for communal and public interest services.

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(Translation)

MEMO N° 2

A) - REGULATION OF TECHNICALITIES (FREQUENCY AND VOLTAGE)

This is the function of a Master Control Center which will control :

1) - Parallel connection of all the grids in the system.
2) - Distribution of load according to allocations or in proportion to them, in case of deficiency.
3) - Load changes in the frequency-regulating station (for instance: Terni) and amount of load to be disconnected at the different customers.
4) - Frequency regulation within pre-determined limits (as according to para 3) - sanctions.

B) - REGULATION OF CONSUMPTION BY CUSTOMERS

This may be obtained by applying the following measures, either separately or combined together.

1) Rationing
2) Shifts (for all customers)
3) Shifts (for all except essential customers)
4) Disconnections (low-voltage side) of categories of customers according to a priority list.

Regulation of measures - Sanctions.

REMARKS

At present "preferencial systems" do not exist and we only have a few individula customers served separately. Some italian towns have, however, separate systems (on the high voltage side) for public lighting. Since two distributing Coys. are generally available, in the main towns, whose distributing systems are partly overlapped, it might be advisable to study the constitution of semipreferencial systems which could connect the essential customers of both Coys.

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CENTRAL ITALY ELECTRICITY SCHEME

Advisory Committee on Electric Power (Central Italy)

M I N U T E S

The fifteenth meeting of the Advisory Committee on Electric Power (Central Italy) was held in the offices of Romana Co. Rome, at 0900 hrs on Monday March 18, 1946.

Present:

Dr.Eng. A. Rovelli	Acting Chairman
Prof.Eng. A. Asta	Vice-Chairman
Dr.Eng. C. Fascetti	Member
Prof.Eng. A. Angelini	"
Dr.Eng. A. Montani	representing Dr.Eng.G.Angelucci
Dr.Eng. E. Virgili	Regional Commissioner for the Electric Power in Central & Southern Italy
Dr.Eng. F. Barluzzi	Secretary
Col. G.F. Parker	in attendance
Dr.Eng. Musi	" "
Dr.Eng. D. Pietromarchi	" "

95) Minutes of the fourteenth meeting, held on February 18, 1946

The minutes were received

96) To review progress of repairs to generating plants and transmission systems; preliminary discussion on future programmes of reconstruction and new construction. 5125

Eng.Fascetti (UNES) reported that orders have been placed for the rehabilitation of all power plants; the largest part of UNES system will be reactivated by the end of 1947.

Serious delay is anticipated for the delivery of Gerosa and Venamartello generators now repaired by Brown Bovery Co; those units could produce from 55 to 60 millions Kwh per year and also utilize the Scandarella reservoir. Demand by industrial

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Prof.Eng. A. Asta	Vice-Chairman
Dr.Eng. C. Fascetti	Member
Prof.Eng. A. Angelini	"
Dr.Eng. A. Montani	representing Dr.Eng.G.Angelucci
Dr.Eng. E. Virgili	Regional Commissioner for the Electric Power in Central & Southern Italy
Dr.Eng. F. Baruzzi	Secretary
Col. G.F. Parker	in attendence
Dr.Eng. Musi	" "
Dr.Eng. D. Pietromarchi	" "

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Serious delay is anticipated for the delivery of Gerosa and Venamartello generators now repaired by Brown Bovery Co; those units could produce from 55 to 60 millions Kwh per year and also utilize the Scandarella reservoir. Demand by industrial customers is steadily increasing while the supply from Terni is insufficient and no assistance can be provided yet by Adriatica Co. The voltage situation is also quite troubling, due to the fact that UNES is only supplied from one source, namely Terni.

Eng. Montani (ACEA) reported that repair work is proceeding up to schedule.

Eng. Rovelli (SRE) reported that one 17,000 KVA unit Acquoria and one 7,000 KVA unit at Morino are now in operation but cannot be fully utilitized due to shortage of water.

The first rehabilitation programme will be completed by the end of April, when Farfa I comes into operation, some delay is due to Terni Steelworks.

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Eng. Virgili (State Railway) reported that the interconnection of the Central Italy system with Trentino plants, through State Railway Transmission lines, will be effected within this month.

Eng. Angelini (Terni Co) reported that repairs to Cotilia and Papigno stations proceed up to schedule; 60 and 120 KV lines from Terni to Foligno, Camerino and Ancona will shortly be reactivated, ~~this~~ thus improving the UNES situation.

Eng. Musi (Larderello) reported that one 15,000 KVA unit at Castelnuovo came into operation during the past few days; a similar unit will be ready in two months as well as one 4,000 KVA unit at Serrazzano. Repairs to transformers are delayed due to Ansaldo and Savigliano Works now working to capacity.
The Committee recommended that this matter be discussed and a suitable priority list set up for wire-drawing works. Also the repairs now carried out for Larderello Co. by the Manufacturers in Northern Italy should be followed and expedited in view of the importance of Larderello plants for Central Italy.

97) Operation programme for the next months and report from the Director of the Master Control.

Eng. Pietromarchi reported on the persisting drought situation in Central Italy; some improvements were experienced during the past few weeks and the daily generation has been increased by 300 to 350,000 KWH.
The refilling of Terni lakes is now taking place at a rate of 2.85 c.m. per second (average: 10 c.m.)
Frequency situation was improved for the better operation of Piediluco pondage.
Peak load requirements are now not very heavy and the situation will be easier in the next months.
The matter of importing power from the North was taken up; it was understood that, starting from May, a considerable block of power may be supplied from the North, especially at night.
Night supply is already possible.

Eng. Asta informed the Committee that the Transmission lines will be ready to convey the available power from the North, by the end of April.
The matter of utilizing the electric power available at night was discussed; the Committee agreed that it might possibly be

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unit at Serrezzano. Repairs to transformers are delayed due to Ansaldo and Savigliano Works now working to capacity.
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Night supply is already possible.

Eng. Asta informed the Committee that ~~the~~ Transmission lines will be ready to ~~convey~~ convey the available power from the North, by the end of April.
The matter of utilizing the electric power available at night was discussed; the Committee agreed that it might possibly be necessary to operate the pumping units at Cotilia in order to refill Terni lakes.

Eng. Fascetti recommended that the matter of supplying the industrial customers of UNES at night be studied.
Taking Eng. Virgili's advice, the Committee recommended that all Power Coys. submit at an early date a forecast on the availability of power during the next months.

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98) Any other business

There was no other business

99) Date and time of the next meeting

This date will be fixed in connection with other official meetings; members will be notified as soon as possible.

Eng. FRANCESCO BARLUZZI
Secretary Committee.

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Eng. FRANCESCO BARUZZI
Secretary Committee.

5123

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FILE 28

CENTRAL ITALY ELECTRICITY SCHEME

Telephone
Rome 489081 - Ext. 317

1st November 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. 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
Lt-Col.	G. F. Parker	- In attendance
Lt-Col.	V. S. Benton	- " "
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

5122

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

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ADVISORY COMMITTEE ON ELECTRIC POWER (CENTRAL ITALY)

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Dr. Eng.	G. Landucci	- "
Dr. Eng.	E. Virgili	- "
Dr. Eng.	F. Barluzzi	- Secretary
Lt-Col.	G. F. Parker	- In attendance
Lt-Col.	V. S. Benton	- " "
Dr. Eng.	D. Pietromarchi	- " "
Dr. Eng.	Musi	- " "

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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. 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 unsufficient 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 Mastel Control.

Eng. Pietromarchi 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) - Any other business

Reference min. # 58

5123

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 Coys., from Pirelli 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

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68) - Any other business

5121

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 Coys., from Pirelli 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 Contr

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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.

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

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27

SISTEMA DI IMPIANTI IDROELETTRICI DELL'ITALIA CENTRALE

Comitato Consultivo per l'Energia Elettrica
(Italia Centrale)

V e r b a l e

Decima riunione del Comitato Consultivo per l'Energia Elettrica (Italia Centrale) tenuta negli Uffici della S. M.E. - Roma, alle ore 9 a.m. del giorno lunedi 15 ottobre.

Presenti:

Dr.Ing. A.Rovelli	f.f.Presidente
Pr.Ing. L. Asta	Vicepresidente
Dr.Ing. G.Angeluccı	Membro
Pr.Ing. A.Angelini	"
Dr.Ing. G.Landucci	"
Dr.Ing. E.Vigili	"
Dr.Ing. F.Barluzzi	Segretario
Lt.Col. V.Shenton	Invitato
Lt.Col. G.F.Parker	"
Dr.Ing. D.Pietromarchi	"
Dr.Ing. Lusi	"

63)- Verbale della nona riunione del Comitato, tenuta il giorno 17 Settembre

5113

Il verbale viene approvato.

64)- Programmi di ricostruzionee fabbisogno di materiali

I programmi dell'A.C.E.A., Selt Valdarno, Terni e FF.SS. verranno presentati fra breve.

Declassified E.O. 12356 Section 3.3/NND No. 785019

V e r b a l e

Decima riunione del Comitato Consultivo per l'Energia Elettrica (Italia Centrale) tenuta negli Uffici della S. R.E. - Roma, alle ore 9 a.m. del giorno lunedi 15 ottobre.

Presenti:

Dr.Ing. A.Rovelli	f.f.Presidente
Pr.Ing. L. Asta	Vicepresidente
Dr.Ing. G.Angelucci	Membro
Pr.Ing. A.Angelini	"
Dr.Ing. G.Landucci	"
Dr.Ing. E.Virgili	"
Dr.Ing. F.Barluzzi	Segretario
Lt.Col. V.B.Benton	Invitato
Lt.Col. C.F.Parker	"
Dr.Ing. D.Pietromarchi	"
Dr.Ing. Lusi	"

63)- Verbale della nona riunione del Comitato, tenuta il giorno 17 Settembre

5113

Il verbale viene approvato.

64)- Programmi di ricostruzione e fabbisogno di materiali

I programmi dell'A.C.E.A., Selt Valdarno, Terni e FF.SS. verranno presentati fra breve.
Sono già stati ricevuti i programmi della S.R.E. e della Valdarno.

65)- Esame dei progressi compiuti nella riparazione di centrali, sottostazioni e linee di trasmissione.

L'Ing. Angelucci (ACEA) dichiara che i lavori procedono secondo i programmi.

L'Ing. Landucci (Valdarno) riferisce che si hanno notevoli ritardi nei lavori per le centrali della Garfagnana, in seguito alla mancanza di cemento.

./.

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E' necessaria d'urgenza un'assegnazione di 200 Tonn. di cemento che di spererebbe di ottenere dal cementificio di Civitavecchia. Il cementificio di Prato non lavora per mancanza di carbone. Viene riferito che i sacchi del cemento sono spesso in cattive condizioni e questo causa delle perdite fino al 10%. Il Comitato propone anche che venga effettuata una più assidua sorveglianza sulla qualità del cemento prodotto ora, allo scopo di evitare gravi incidenti; tale sorveglianza dovrebbe essere richiesta al Ministero dell'Industria da quello dei Lavori publici sulla base dei risultati di analisi e prove fornite a frequenti intervalli dagli interessati.

L'Ing. Rovelli (SRE) riferisce che i lavori al bacino di Canterno sono terminati; si lavora tutt'ora alla galleria. La centrale di Marino entrerà in servizio in Dicembre. Farfa e Tivoli subiranno ritardi in seguito a mancate consegne da parte delle acciaierie di Terni. Il Comitato propone che la Commissione alleata cerchi di accellerare i lavori di riparazione della Terni.

L'Ing. Virgili (FF.SS.) riferisce che i lavori per le linee di trasmissione procedono. La zona Guzzana- Bologna è ancora minata; il rastrellamento viene eseguito con lentezza per la mancanza di personale adatto.

L'Ing. Musi (Larderello) riferisce che i lavori per le centrali procedono secondo il programma. Una parte del macchinario elettrico verrà fornito fra breve dall'Ansaldo. 5117

L'Ing. Angelini (Terni) riferisce che il 4° gruppo di Galleto entrerà in servizio verso la metà di Novembre. I lavori di Cotilia subiscono ritardi per la mancata consegna da parte delle Acciaierie.

66)- Programma di esercizio per novembre e relazione del Direttore

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Il Comitato propone anche che venga effettuata una più assidua sorveglianza sulla qualità del cemento prodotto ora, allo scopo di evitare gravi incidenti; tale sorveglianza dovrebbe essere richiesta al Ministero dell'Industria da quello dei Lavori publici sulla base dei risultati di analisi e prove fornite a frequenti intervalli dagli interessati.

L'Ing. Rovelli (SRE) riferisce che i lavori al bacino di Canterno sono terminati; si lavora tutt'ora alla galleria.
La centrale di Morino entrerà in servizio in Dicembre.
Farfa e Tivoli subiranno ritardi in seguito a mancate consegne da parte delle acciaierie di Terni.
Il Comitato propone che la Commissione alleata cerchi di accellerare i lavori di riparazione della Terni.

L'Ing. Virgili (FF.SS.) riferisce che i lavori per le linee di trasmissione procedono. La zona Guzzana- Bologna è ancora minata; il rastrellamento viene eseguito con lentezza per la mancanza di personale adatta.

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L'Ing. Angelini (Terni) riferisce che il 4° gruppo di Galleto entrerà in servizio verso la metà di Novembre. I lavori di Cotilia subiscono ritardi per la mancata consegna da parte delle Acciaierie.

66)- Programma di esercizio per novembre e relazione del Direttore dell'Ufficio Centrale di Ripartizione.
L'Ing. Pietromarchi riferisce sull'esercizio del sistema di impianti dell'Italia Centrale, ed informa che si verificano cadute di tensione e abbassamenti di frequenza durante le ore di punta serali. La situazione peggiorerà fino a Dicembre, dopo di chè nuovo macchinario entrerà in servizio.
Esiste una disponibilità di potenza durante le ore notturne, di 35 MW con una possibilità di produzione di 9.10^6 kWh/max.

L'Ing. Virgili (FF.SS.) riferisce che verrà fra breve inoltrata all'A.C. una richiesta di 2.000 kW per il riattivamento della linea Roma - Carsoli.

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67)- Unificazione della frequenza e scambi di energia con altre regioni

Il Comitato propone che tale questione venga esaminata a fondo in una speciale riunione a cui partecipino i rappresentanti dell'Italia Settentrionale, Centrale e Meridionale. In tale seduta da tenersi verso i primi di Novembre, converrà sia elaborato un programma di distribuzione di energia elettrica in tutta Italia.

68)- Altre questioni.

Riferimento n. 58.

Viene riferito che gli automezzi costruiti ora in Italia mancano di gomme. Il Comitato propone che queste vengano rese disponibili dalla Pirelli o dai Depositi Alleati, per le Società Elettriche.

Le Società Elettriche invieranno anche un elenco del loro fabbisogno di carburante al Ministero dei LL.PP. ed all'A.C. in modo che tali Enti possano seguire le assegnazioni che vengono fatte dal Ministero dell'Industria.

Riferimento n. 61.

Il Ministero dei LL.PP. si occupa normalmente di fare avvenire la fornitura di cemento alle Società Elettriche, da parte di cementifici situati a distanze non troppo elevate.

Viene discusso il problema degli stipendi per l'Ufficio Centrale di Ripartizione del Carico in considerazione del fatto che una parte del personale facente parte di Soc. Elettriche, pur seguendo un orario molto più gravoso di quello che dovrebbe osservare se direttamente impiegato dalle rispettive Società, non riceve d'altra parte alcuna indennità supplettiva. Il Comitato decide che tale questione venga esaminata più completamente da parte della Segreteria e venga studiata una nuova tabella di stipendi per il personale del suddetto Ufficio, da proporre alla prossima seduta.

69)- Data della prossima riunione.

La prossima riunione si terrà negli Uffici della Soc. Roma-

Declassified E.O. 12356 Section 3.3/NND No. 785019

elettrica in tutta Italia.

68)- Altre questioni.

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59)- Data della prossima riunione.

La prossima riunione si terrà negli Uffici della Soc. Romana - Roma, alle ore 9 a.m. del giorno lunedì 19 Novembre 1945.

Dr.Ing. FRANCESCO BALUZZI
Segretario del Comitato

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CENTRAL ITALY ELECTRICITY SCHEME

Telephone
Rome 489081 - Ext. 317

28 September 1945

ADVISORY COMMITTEE ON ELECTRIC POWER (CENTRAL ITALY)

M I N U T E S

The ninth meeting of the Advisory Committee on Electric Power (Central Italy) was held at 0930 hours on Monday September 17th, 1945 in the offices of Società Romana di Elettricità - Via Poli - Rome.

Present :

Dr.Eng.	A. Rovelli	- 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.	E. Virgili	- "
Dr.Eng.	F. Barluzzi	- Secretary
Lt.Col.	V.S. Renton	- In attendence
Dr.Eng.	D. Pietromerchi	- " "

56) - Minutes of the eighth meeting of the Committee held on August 20, 1945

The minutes were approved.

511

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

It was reported (see min. 50) that Eng. Fano of Romana Coy. was going to Northern Italy to investigate on the matter of available electric material recovered by the Allies.

The Ministry of Public Works is looking into the matter (min. 51) of reconstruction of Alberg-Pontinia transmission

Declassified E.O. 12356 Section 3.3/NND No. 785019

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Dr.Eng.	A. Rovelli	- Acting Chairman
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Dr.Eng.	G.Angelucci	- Member
Prof.Eng.	A. Angelini	- "
Dr.Eng.	C. Fascetti	- "
Dr.Eng.	G. Landucci	- "
Dr.Eng.	E. Virgili	- "
Dr.Eng.	F. Barluzzi	- Secretary
Lt.Col.	V.S. Renton	- In attendance
Dr.Eng.	D. Pietromarchi	- " "

56) - Minutes of the eighth meeting of the Committee held on August 30, 1945

The minutes were approved.

57) - To review progress of repairs to generating stations and transmission systems. 511

It was reported (see min. 50) that Eng. Fano of Romana Coy. was going to Northern Italy to investigate on the matter of available electric material recovered by the Allies.

The Ministry of Public Works is looking into the matter (min. 51) of reconstruction of Albano-Pontinia transmission line.

Eng. Fascetti (UNES) reported that Genose 1st unit will come into operation by the end of September. Arrangements have been made with Escher Wyss Co. for the turbine of the 2nd unit; the reconstruction of generator still being discussed with Brown Boveri Company.

Eng. Landucci (Selt-Valdarno) reported that one unit (6000 KVA) at Gelliceno will probably be ready in October; Corfino station is now repaired but water still short. About 90% of transmission lines is now repaired as well as 99% of towers. Copper conductor urgently needed.

Eng. Angelucci (ACEA) reported that all repairs are up to schedule. Salisano station in operation by the end of October.

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Eng. Revelli (Romana Coy) reported that the 150 KV line Terni-Rome is now reactivated. Repairs proceeding on the Magliana-Morino-Centerno 150 KV line. Delay in the rehabilitation of Morino, Farfa and Acquoria Stations is due to Merelli Manufacturing Company and Terni Steel Works. Repairs to Centerno reservoir are going on according to programme.

Eng. Virgili (State Railways) reported on Orte-Chiusi and Ponterno-Larderello line repairs. The latter will be completed in November 1945.

Eng. Angelini (Terni Coy) informed the Committee that all repairs are proceeding up to schedule.

58) - General situation of transport and allocation of vehicles

Allied Commission and Ministry of Public Works are looking into the matter of allocating trucks and cars directly to the Electrical Companies.

Eng. Asta informed the Committee on the procedure to be followed when making application for transport.

The Committee strongly recommended that new vehicles, now manufactured in Italy, be made available to the electrical companies.

It was reported that allied tyres will shortly be made available and the Committee recommended that a sufficient amount of tyres and gasoline be allowed to the electrical Companies.

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

Eng. Pietromarchi reported on the operation of the Central Italy grid from August 10 to September 19th, 1945.

Increase in voltage observed especially during the night; voltage on outcoming lines from Villavalle was decreased of 13%. No regulation possible in daytime due to system requirements.

Voltage situation on UNES grid again unsatisfactory due to overloading on Galleto-Camerino line which causes a serious voltage drop.

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Voltage situation on UNRRA grid again unsatisfactory due to overloading on Galleto-Camerino line which causes a serious voltage drop.

60) - Standardization of frequency and operation at 50 cycles of the Central Italy grid

Eng. Asta reported that Consorzio Bonifica Pontinia is studying with Riva Manufacturing Company the alterations to be made on their pumping stations in order to operate at 50 cycles.

Apart from other minor troubles the standardization scheme may be considered satisfactory in Central Italy.

61) - Any other business

It was reported that a certain amount of copper has been shipped to Italy from U.S.A. The Committee recommended that the allocation of this material be made in proportion to damage suffered by Electrical Companies.

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The Committee recommended that allocations of cement to electrical companies be made from Cement Works located at reasonable distance from the assignee company.

Eng. Landucci reported that no answer had been received by Selt-Valdarno in connection with their request of transformer oil. Allied Commission to look into this matter.

It was agreed that a "Liberation Allowance" of 3,000 lire will be granted to the personnel of the Master Control who are not directly employed by any of the electricel companies and namely :

Eng. G.Colamarino
Eng. G.Robotti
Mr. M.Andreossi Bassi
Mr. B. Scuderini
Miss M.T. De Plaisant

The "Liberation allowance" has actually been granted to all personnel employed by any company.

62) - Date and time of the next meeting

Next meeting will be held in the offices of Società Romana di Elettricità at 0900 hours on Monday October 15th, 1945.

Dr.Eng.FRANCESCO BARLUZZI
Secretary to the Committee

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Declassified E.O. 12356 Section 3.3/NND No. 785019

Eng. G.Colamarino — Mr. B. Scuderini
Eng. G.Robotti — Miss M.T. De Pleisant
Mr. M.Andreesi Bassi

The "Liberation allowance" has actually been granted to all personnel employed by any company.

62) - Date and time of the next meeting

Next meeting will be held in the offices of Società Romana di Elettricità at 0900 hours on Monday October 15th, 1945.

Dr.Eng. FRANCESCO BARLUZZI
Secretary to the Committee

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QM, Coal Section AFHQ
Fiscal Director, MTOUSA
DMR (Italy) Tn. Increment, CMF
C.S. Taranto
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C.G. - R.A.A.C. (2)
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HQ Adriatic Depot - APO 388 USA (2)
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Vice President - Economic Section HQ, AC (2)
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G-4 (B) AFHQ
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C.E., AFHQ - APO 512
QM, Coal Section AFHQ
Fiscal Director, MTOUSA
DMR (Italy) Tn. Increment, CMF
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AFLRS - RAAC - CMF
HQ Adriatic Depot - APO 388 USA (2)
Chief Commissioner AC
Executive Commissioner HQ AC
Vice President - Economic Section HQ, AC (2)
Commerce S/C - Coal Division [illegible]
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
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Regional Commissioner Piemonte Region
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Declassified E.O. 12356 Section 3.3/NND No. 785019

CENTRAL ITALY ELECTRICITY SCHEME

Telephone
Rome 489081 - Ext. 317

27 August 1945

ADVISORY COMMITTEE ON ELECTRIC POWER (CENTRAL ITALY)

M I N U T E S

The eighth meeting of the Advisory Committee on Electric Power (Central Italy) was held in the offices of Società Romana di Elettricità - Rome at 0900 hrs on Monday August 20th 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.	C. Fascetti	- "
Dr.Eng.	G. Landucci	- "
Dr.Eng.	E. Virgili	- "
Dr.Eng.	F. Barluzzi	- Secretary
Lt.Col.	G.F. Parker	- In attendance
Lt.Col.	V.S. Renton	- " "
Dr.Eng.	D. Pietromarchi	- " "

Eng. Asta reported that Lt.Col. G.F. Parker (Chief Electrical Division, Allied Commission) and Eng. Visentini, General Inspector for Electricity, Water and Gas of the Ministry of Public Works had agreed to appoint Eng. Rovelli Acting Chairman to the Committee until the matter of Advisory Committees in Italy would be settled by the Italian Government.

Eng. Rovelli expressed his thanks.

49) - Minutes of the seventh meeting of the Committee held on July 16th, 1945

Declassified E.O. 12356 Section 3.3/NND No. 785019

The eighth meeting of the Advisory Committee on Electric Power (Central Italy) was held in the offices of Società Romana di Elettricità - Rome at 0900 hrs on Monday August 20th 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. C. Fascetti	-	"
Dr.Eng. G. Landucci	-	"
Dr.Eng. E. Virgili	-	"
Dr.Eng. F. Barluzzi	-	Secretary
Lt.Col. G.F. Parker	-	In attendance
Lt.Col. V.S. Renton	-	" "
Dr.Eng. D. Pietromarchi	-	" "

Eng. Asta reported that Lt.Col. G.F. Parker (Chief Electrical Division, Allied Commission) and Eng. Visentini, General Inspector for Electricity, Water and Gas of the Ministry of Public Works had agreed to appoint Eng. Rovelli Acting Chairman to the Committee until the matter of Advisory Committees in Italy would be settled by the Italian Government.

Eng. Rovelli expressed his thanks.

49) - Minutes of the seventh meeting of the Committee held on July 16th, 1945

The minutes were approved.

50) - Matters arising from previous minutes

min. 44) Lt.Col. Parker reported that the War Material Disposal Division had been requested to take some steps in connection with the 43 MVA transformer of Terni Co., which is now supposed to be in Austria. The Committee recommended that lists of electric material now recovered by the Allies, be made available to the electrical companies in Italy.

511

Declassified E.O. 12356 Section 3.3/NND No. 785019

51) Progress in rehabilitation of generating plants and transmission systems

Eng. Asta suggested that at the future meetings this item include a review on damages, repair work and present situation of electric facilities, in order to set up a complete report with all necessary details to be published in technical magazines. The Committee agreed.

Eng. Angelucci (ACEA) reported that repair work is proceeding up to schedule. Mandela Station will start operation this week.

Eng. Fascetti (UNES) reported that line repairs have now been completed but some new transformers are urgently needed (30/60 KV; 5-10 MVA).

Difficulties are being experienced in connection with orders for machinery to be placed at the Northern Italy manufacturing companies.

The Committee recommended that lists of machinery and equipment required for electric systems and also material requirements for the rehabilitation program up to December 31st 1946, be prepared by all companies and submitted to the Regional and National Advisory Committee. A priority schedule will then be set up and financial arrangements discussed by the National Committee.

Lt.Col. Parker informed the Committee that some material not obtainable in Italy, had already been ordered from other countries.

Eng. Lenducci (Valdarno) reported that within 1945, 75% of generating capacity will probably be reactivated.

Same difficulties as for UNES are experienced in connection with orders for new machinery to be manufactured in the north.

All substations are now in service but some of them have no spare capacity and the installed machinery is insufficient. Transformers (10/30 KV) are needed for switching cabins.

Eng. Rovelli (Romana Co.) reported that one unit is operating at Bonteforme during

5111

Declassified E.O. 12356 Section 3.3/NND No. 785019

Eng. Pascetti (UNES) reported that line repairs have now been completed but some new transformers are urgently needed (30/60 KV; 5-10 MVA).

Difficulties are being experienced in connection with orders for machinery to be placed at the Northern Italy manufacturing companies.

The Committee recommended that lists of machinery and equipment required for electric systems and also material requirements for the rehabilitation program up to December 31st 1946, be prepared by all companies and submitted to the Regional and National Advisory Committee. A priority schedule will then be set up and financial arrangements discussed by the National Committee.

Lt.Col. Parker informed the Committee that some material not obtainable in Italy, had already been ordered from other countries.

Eng. Landucci (Valdarno) reported that within 1945, 75% of generating capacity will probably be reactivated.

Same difficulties as for UNES are experienced in connection with orders for new machinery to be manufactured in the north.

5111

All substations are now in service but some of them have no spare capacity and the installed machinery is insufficient. Transformers (10/30 KV) are needed for switching cabins.

Eng. Rovelli (Romana Co.) reported that one unit is operating at Pontefiume during peak load time with a daily production of 40,000 kWh. Water is supplied from the Pontefiume reservoir.

Fontecupa Station is already operating with one unit taken from Arci (4,500 KW).

Morino Station will probably be in operation by the end of 1945; Farfa I and Acquoria (one unit each) in February 1946.

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Transmission line repairs are almost completed with the exception of Albano-Pontina line owned by Consorzio Bonifiche Pontine.

The Committee recommended that, in view of the importance of the area supplied through this line, the starting of repairs be expedited as much as possible.

Eng. Rovelli informed the Committee that Romana Co. had similar troubles as UNES and Valdarno in connection with orders for big machinery to be manufactured in Northern Italy Firms.

Eng. Angelini reported that the fourth Galleto unit will be ready by the end of October, some delay was due to unsatisfactory casting for the impeller. Repair work for Papigno station will require 5 to 6 months for the 1st unit end 7 to 8 months for the 2nd unit.

Cotilia unit will probably be ready in January 1946. Troubles are experienced in machinery repairs due to shortage of mica; 90% of requirements is actually met using mica from destroyed units, but 10% must be obtained from the market, where prices are exceedingly high.

Studies are being made by Terni Co. to provide Galleto units with a new cooling system. The estimated increase in output is about 10 MW per unit.

Reactivation of Terni-Pescara line is going on but transport service by ENAC is unsatisfactory and the situation is very serious.

The Committee recommended that trucks be directly allocated to Electrical Companies, whose requirements are now known.

Eng. Virgili (State Railways) reported on difficulties experienced in connection with transmission line conductor supply.

Mercury arc rectifiers for substations cannot be supplied now by manufacturing Companies, due to shortage of required material.

The electrification programme of railways will consequently be delayed but transport facilities situation will be improved by means of steam traction.

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The electrification programme of railways will consequently be delayed but transport facilities situation will be improved by means of steam traction.

The matter of constitution and operation of Advisory Committees throughout Italy was discussed and the Committee recommended that this question be carefully studied.

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

Eng. Pietromarchi reported on the operation of the Central Italy grid from July 11 to August 9: power available is now 145 MW and peak load requirements are met by means of reservoir stations.

Steam units at S.Paolo were only used for rephasing.

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It was shown that electric energy now available is largely exceeding all requirements; the low load during the night could be increased with an additional allocation (7 to 8 MW) of power to Nera Montoro Electrochemical Works.

The Committee recommended that A.C. look into this matter considering that the electrochemical Works would only be operated when power is available, and readily disconnected if load must be decreased.

Eng. Rovelli advised that electrodomestic services could now be reconnected using a reasonable retioning scheme; he pointed out that the reconnection work will take a considerable length of time, so that, starting now, nearly all consumers will be again supplied when the available power is sufficient (4th Galleto unit coming in in October).

The Committee recommended that A.C. take some steps in connection with this question.

5.) Standardization of frequency

Eng. Pietromarchi reported that, following the increase of frequency to 50 cycles, improvements in voltage had been observed all over the system. UNES grid is now operating under normal conditions. The increase of load is about 4%. Further reports on the operation at 50 cycles as well as on complaints received from customers, will be discussed at the next meeting.

Eng. Aste reported that the Consorzio Bonifiche Pontine had recommended to the Ministry of Public Works to look very carefully into the matter of frequency change. which is considerably effecting the operation of pumping stations.

Reports on tests carried out during these days will shortly be submitted.

The parallel connection with the North will be made when suitable switches are installed. This will be effected within two weeks. 5109

5.) - Any other business

Eng. Rovelli informed the Committee that Eng. Frelleoni of Ro[illegible] Company, now working at the Master Control would shortly leave Rome and suggested that his place be taken by another

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5109

5:) - Any other business

Eng. Rovelli informed the Committee that Eng. Frelleoni of Ro Company, now working at the Master Control would shortly leave Rome and suggested that his place be taken by another engineer of the same Company.

The Committee agreed.

5:) - 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 September 17th 1945

Dr.Eng.FRANCESCO BARLUZZI
Secretary to the Committee

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Regional Commissioner
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5107

Regional Commissioner
~~40~~ - (ATT. Regional Engineer) ~~Emilia Region~~
3282 41 - Piemonte Region
3284 42 - Liguria Region
3285 43 - Lombardia Region

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5107

Regional Commissioner

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3284 42 - Liguria Region
3285 43 - Lombardia Region
3285 44 - Venezia Region
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Inter Office Memo

24

2 August 1945

Subject: Advisory Committee on Electric Power.

See: Folio 1, File 252

5106

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FILE

COPY No 45

23

CENTRAL ITALY ELECTRICITY SCHEME

Telephone
Rome 489081 - Ext. 317

1st August 1945

ADVISORY COMMITTEE ON ELECTRIC POWER (CENTRAL ITALY)

M I N U T E S

The seventh meeting of the Advisory Committee on Electric Power (Central Italy) was held at 0900 hrs on Monday 16th July 1945 in the offices of Società Romena di Elettricità Via Poli, 14 - Rome.

Present :

Lt.Col.	W.M.	Lapper	- Chairman
Prof.Eng.	A.	Asta	- Vice-Chairman
Dr.Eng.	A.	Rovelli	- Member
Dr.Eng.	G.	Angelucci	- "
Prof.Eng.	A.	Angelini	- "
Dr.Eng.	C.	Fascetti	- "
Dr.Eng.	G.	Ienducci	- "
Dr.Eng.	F.	Barluzzi	- Secretary
Lt.Col.	G.F.	Parker	- in attendance
Lt.Col.	V.S.	Renton	- " "
Dr.Eng.		Virgili	- " "
Dr.Eng.		Pietromarchi	- " "
Dr.Eng.		Maggi	- " "

5105

42) - Minutes of the sixth meeting, held on Monday 17 June 1945

The minutes were approved.

43) - Matters arising from previous minutes

Min. 37) The allocation of cement and angle bars for repairs to electric plants and transmission

Declassified E.O. 12356 Section 3.3/NND No. 785019

ADVISORY COMMITTEE ON ELECTRIC POWER (CENTRAL ITALY)

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Present :

Lt.Col.	W.M.	Lapper	- Chairman
Prof.Eng.	A.	Asta	- Vice-Chairman
Dr.Eng.	A.	Rovelli	- Member
Dr.Eng.	G.	Angelucci	- "
Prof.Eng.	A.	Angelini	- "
Dr.Eng.	C.	Fascetti	- "
Dr.Eng.	G.	Landucci	- "
Dr.Eng.	F.	Barluzzi	- Secretary
Lt.Col.	G.F.	Parker	- in attendance
Lt.Col.	V.S.	Renton	- " "
Dr.Eng.		Virgili	- " "
Dr.Eng.		Pietromarchi	- " "
Dr.Eng.		Maggi	- " "

5105

42) - Minutes of the sixth meeting, held on Monday 17 June 1945

The minutes were approved.

43) - Matters arising from previous minutes

Min. 37) The allocation of cement and angle bars for repairs to electric plants and transmission systems is being arranged by the Ministry of Public Works in conjunction with Allied Commission.

Min. 40) The matter of transport for electrical companies is still being investigated by Ministry of Public Works.

44) - Progress in rehabilitation of plants and transmission systems

Eng. Angelucci (A.C.E.A.)
Stated that repairs are going on according to programme; transport requirement : two 3 ton trucks, four 1.5 ton trucks.

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Eng. Fascetti (U.N.E.S.)
Reported on delay for Gerosa unit. Operation will probably start in August, for peak load service only. Transport requirement : six or seven trucks (1 to 3 tons) and four jeeps.

Eng. Landucci (Valdarno)
Stated that the 1st unit at Gallicano will be ready in September, 2nd unit in October. One unit at Corfino ready on the beginning of September. Two units assembled at Pian della Rocca - no water available. Repair work at Castelnuovo carried out by contractors. The second 120 KV line Ligonchio-Sperando to come into operation about September 15th.

Release is requested of magnetic sheets required for transformer repairs, now being produced by Terni Co. Ministry of Public Works in conjunction with A.C. will look into this.

Eng. Rovelli (Romana Co.)
Reported that one unit at Pontefiume will shortly be tested and one at Fontecupa is being transferred from Arci; this will probably come into operation by the end of August. Arrangements have been made with North ern Italy factories for Morino and Farfa repairs, 3/4 months needed. Both stations expected in operation by the end of 1945. Transport requirement three 3 ton trucks, and six light trucks for distribution systems.

Eng. Angelini (Terni Co.)
Stated that 3rd unit at Galleto will come into operation at the end of July; fourth unit probably in October. Cotilia repairs delayed due to bad quality of welding electrodes.

One unit at Preci has now been dismantled. One 43 MVA transformer was found at Genova and will be adapted for the installation at Galleto in 2 months. Another similar transformer was taken from Genova by the Germans and is now probably near Linz (Austria).

The Committee recommended that steps be taken by A.C. for the return of this transformer.

Pescara-Terni line re
transport

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repair work at Castelnuovo carried out by contractors. The second 120 KV line Ligonchio-Sperando to come into operation about September 15th.

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The Committee recommended that steps be taken by A.C. for the return of this transformer.

Pescara-Terni line ready about September 15th if transport is provided.

Eng. Virgili (State Railways)
Reported on the repairs of transmission lines. The Committee was of the opinion that the Cascina-S.Romeno line should be reactivated at an early date.

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45) - Operation programme and report from the Director of the Master Control Centre

Eng. Pietromarchi reported on the operation of the Central Italy Grid.

Daily peak load during the period June 11 - July 10 about 115 MW. Voltage and frequency drop during the morning peak overcome by means of small reservoir stations on Aniene River.

Power flow from the North is now about 20 MW so that the Valdarno system, interconnected with Larderello, Pian della Rocca and partially with Nera Montoro is normally independent from Terni stations.

Voltage situation on UNES system still unsatisfactory; some improvements obtained through a new arrangement of Terni machinery.

46) - Import of energy from the North and standardization of frequency

It was observed that the 3rd Galleto unit and the interconnection with the north would come into operation about the end of July. The Committee agreed that they were now satisfied that there would be no difficulty in changing the Central Italy frequency to 50 cycles at this time.

47) - Any other business

Lt.Col. Lapper informed the Committee that he would be leaving for England shortly and would be unable to attend further meetings. 5103

The Committee expressed its deep regret and thanked Lt.Col. Lapper for his true spirit of collaboration and for the very valuable assistance that he, together with his officers, have given to the electrical rehabilitation work in Central Italy.

48) - Date and time of the next meeting

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stations on Aniene River.

Power flow from the North is now about 20 MW so that the Valderno system, interconnected with Lardarello, Pian della Rocca and partially with Nera Montoro is normally independent from Terni stations.

Voltage situation on UNES system still unsatisfactory; some improvements obtained through a new arrangement of Terni machinery.

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48) - Date and time of the next meeting

Next meeting will be held at 0900 hrs on Monday 20th August in the Offices of Società Romana di Elettricità Via Poli No. 14 - Rome.

Dr.Eng. FRANCESCO BARLUZZI
Secretary to the Committee

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Regional Commissioner
40 - (ATT. Regional Engineer) Emilia Region
41 - Piemonte Region
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FILE

CENTRAL ITALY ELECTRICITY SCHEME COPY No 50

Telephone
Rome 489081 - Ext.317

27 June 1945

22

ADVISORY COMMITTEE ON ELECTRIC POWER (CENTRAL ITALY)

M I N U T E S

The sixth meeting of the Advisory Committee on Electric Power (Central Italy) was held at 0900 hrs on Monday 18th June 1945 in the Offices of Società Romana di Elettricità - Via Poli Nº 14 - Rome.

Present :

Lt.Col.	W.M. Lapper	- Chairman
Prof.Eng.	A. Asta	- Vice-Chairman
Dr.Eng.	A. Rovelli	- Member
Dr.Eng.	G. Angelucci	- "
Prof.Eng.	A. Angelini	- "
Dr.Eng.	C. Fascetti	- "
Dr.Eng.	G. Landucci	- "
Dr.Eng.	F. Barluzzi	- Secretary
Lt.Col.	V.S. Renton	- in attendance
Dr.Eng.	D. Pietromarchi	- " "
Dr.Eng.	Pisani	- " "

35) - Minutes of the fifth meeting held on Friday, May 25 1945
The minutes were approved.

36) - Matters arising from previous minutes 5101
There were no matters arising.

37) - Progress in rehabilitation of plants and transmission systems

Eng. Landucci
Stated transmission system in Bologna-Firenze area proceeding satisfactory. He referred to Società Metallurgica Fornaci di Barga who were short of copper for wire drawing.

Eng. Fascetti
Considered that the northern Italy plant manufacturers should now be used in the repairs to plant. He submitted a report showing the progress of repairs in the UNES

Declassified E.O. 12356 Section 3.3/NND No. 785019

Power (Central Italy) was held at 0900 hrs on Monday 18th June 1945 in the Offices of Società Romana di Elettricità - Via Poli Nº 14 - Rome.

Present :

Lt.Col.	W.M. Lapper	- Chairman
Prof.Eng.	A. Asta	- Vice-Chairman
Dr.Eng.	A. Rovelli	- Member
Dr.Eng.	G. Angelucci	- "
Prof.Eng.	A. Angelini	- "
Dr.Eng.	C. Fascetti	- "
Dr.Eng.	G. Landucci	- "
Dr.Eng.	F. Barluzzi	- Secretary
Lt.Col.	V.S. Renton	- in attendance
Dr.Eng.	D. Pietromarchi	- " "
Dr.Eng.	Pisani	- " "

35) - Minutes of the fifth meeting held on Friday, May 25 1945
The minutes were approved.

36) - Matters arising from previous minutes 5101
There were no matters arising.

37) - Progress in rehabilitation of plants and transmission systems

Eng. Landucci
Stated transmission system in Bologna-Firenze area proceeding satisfactory. He referred to Società Metallurgica Fornaci di Barga who were short of copper for wire drawing.

Eng. Fascetti
Considered that the northern Italy plant manufacturers should now be used in the repairs to plant. He submitted a report showing the progress of repairs in the UNES system since November 1944.

Eng. Rovelli
Reported to the serious water leakage at Canterno and stated that 500 tons of cement are urgently required to carry out the repairs during the summer months.

Contacts have been made with northern Italy firms to arrange for repairs to damaged units.

The Committee recommended that a sufficient allocation of cement be made to Società Romana di Elettricità in order to complete the Canterno works during the summer months.

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Eng. Angelucci
In reviewing the repairs to plants in the ACEA system stated that work was progressing according to programme. He informed the Committee that a 5,000 KW unit at Castelmadama was nearing completion.

Eng. Angelini
Said that the third 35,000 KW unit at Galleto would be ready for operation about 20 July 1945. The Vomano project could not be resumed until cement was made available.
He thought that Montecatini factory at Cengio would be able to supply the bakelite tubes now urgently needed by Terni Co. as well as by other electrical companies. It was understood that the factory was waiting for a supply of coal.
In connection with transmission line repairs there was a shortage of angle bars and cement.
After much discussion the Committee recommended that the General Inspector for Electricity, Water and Gas of the Ministry of Public Works take definite action in order to increase the allocation of cement and angle bars urgently needed in connection with the rehabilitation of electricity supplies.

Lt.Col. Lapper inquired on the wire drawing work of Società Metallurgica Fornaci di Barga and the Committee agreed to the following priority of work :
(1) Valdarno, (2) Unes, (3) SRE . Maj. Barry of the Electrical Division - Florence Office would be asked to provide the necessary assistance for the activation of this factory.

38) - Operation programme and report from the Director of the Master Control Centre
Eng. Pietromarchi reported on the operation of the Central Italy grid system.

5109

It was shown that energy from the North was first conveyed on June 10 from Ligonchio station (Edison Co.) thus providing additional 10 MW for Central Italy.

Frequency was raised from 45 to 46 cycles starting from 13th June in order to meet UNES and VALDARNO requirements in some areas; no particular

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Eng. Pietromarchi reported on the operation of the Central Italy grid system.

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It was shown that energy from the North was first conveyed on June 10 from Ligonchio station (Edison Co.) thus providing additional 10 MW for Central Italy.

Frequency was raised from 45 to 46 cycles starting from 13th June in order to meet UNES and VALDARNO requirements in some areas; no particular troubles were encountered following this increase.

Eng. Pietromarchi also reported that voltage is now normal on Valdarno system; UNES grid voltage will be materially improved when Galleto 3rd unit and Gerosa station come into operation.

The matter of salary for Master Control Personnel was discussed and the Committee agreed the following amendments :

<u>Statistical Assistant</u> - salary per month from 8400 to 10,000.== lire.

Stenotypist - salary per month from 4900 to 6500 lire.

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To take effect as from February 15, 1945.

It was also agreed that personnel previously employed by the Electrical Companies, but now on the Master Control Staff, should receive from the electrical companies any difference in salary which they would have been entitled to if still in their employ.

39) - Import of energy from Northern Italy and standardization of frequency

Col. Lapper reported that a notice had been inserted in the newspapers warning consumers of the impending change in frequency of central Italy from 45 to 50 cycles.

Eng. Rovelli reported that the Consiglio Nazionale delle Ricerche had been anxious as to the behaviour of energy meters when frequency will be raised from 45 to 50 cycles. He also reported that according to some tests carried out by the S.R.E. no trouble is to be feared. A report on this subject leading to the same conclusion will be presented by the Ministry of Public Works.

40) - Any other business

It was reported that shortage of transport is still seriously affecting the rehabilitation programme of electric companies and that Ente Nazionale Autotrasporti Cose (ENAC) is unable to meet the companies' requirements.

Eng. Asta said that the electrical companies' case would be taken up at the Ministry so that they would receive an allotment of the transport shortly to be made available.

The Committee recommended that quick action be taken in order to settle this question as soon as possible.

509

41) - Date and time of the next meeting

Next meeting will be held at 0900 hours on Monday July 16th 1945 in the Offices of Società Romana di Elettricità - Rome.

Declassified E.O. 12356 Section 3.3/NND No. 785019

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Dr. Eng. FRANCESCO BARLUZZI
Secretary to the Committee

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FILE

COPY Nº 50

21

CENTRAL ITALY ELECTRICITY SCHEME

Telephone
Rome 489081 - Ext. 317

8 June 1945

ADVISORY COMMITTEE ON ELECTRIC POWER (CENTRAL ITALY)

M I N U T E S

The fifth meeting of the Advisory Committee on Electric Power (Central Italy) was held at 0900 on Friday 25 May 1945 in the office of Lt.Col. W.M. LAPPER - Allied Commission Hq, Rome.

Present :

Lt.Col.	W.M. LAPPER	- Chairman
Prof.Eng.	A. ASTA	- Vice-Chairman
Dr.Eng.	A. ROVELLI	- Member
Dr.Eng.	G. ANGELUCCI	- "
Prof.Eng.	A. ANGELINI	- "
Dr.Eng.	C. FASCETTI	- "
Dr.Eng.	G. LANDUCCI	- "
Dr.Eng.	F. BARLUZZI	- Secretary
Lt.Col.	V.S. RENTON	- In attendance
Dr.Eng.	T. MASTURZO	- " "
Dr.Eng.	D. PIETROMARCHI	- " "
Prof.Eng.	G. SILVA	- " "
Dr.Eng.	PROSPERI	- " "

5097

Lt.Col. Lapper informed the Committee that he had made a tour in Northern Italy and was pleased to state that the situation with regard to electrical power was good and that very little damage had been done to electrical generating plants and transmission systems. Every effort would now be made to repair transmission system between Bologna and Florence, serious damage having taken place in this battle area, so that power could be transmitted from Northern Italy to assist Central and later Southern Italy.

29) - Minutes of the fourth meeting held on Monday 16th April 1945

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Present :

Lt.Col.	W.M. LAPPER	- Chairman
Prof.Eng.	A. ASTA	- Vice-Chairman
Dr.Eng.	A. ROVELLI	- Member
Dr.Eng.	G. ANGELUCCI	- "
Prof.Eng.	A. ANGELINI	- "
Dr.Eng.	C. FASCETTI	- "
Dr.Eng.	G. LANDUCCI	- "
Dr.Eng.	F. BARLUZZI	- Secretary
Lt.Col.	V.S. RENTON	- In attendance
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29) - Minutes of the fourth meeting held on Monday 16th April 1945

The minutes were approved.

30) - Matters arising from previous minutes

There were no matters arising from the previous minutes.

31) - To receive a report from the Director of the Master Control Centre

It was reported that an improvement in voltage and frequency on U.N.E.S. and Valdarno systems will be obtained when the 15,000 KVA transformer, now under test, will be in service. The situation will be definitely better when the 3rd Galleto unit will be in operation.

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32) - Standardization of frequency

Lt.Col. Lapper stated that arrangements were being made to transmit 100,000 KW of power from Northern Italy to Central Italy. This would be imported at 50 cycle frequency. Under these circumstances it appeared desirable to raise the frequency of Central Italy to 50 cycles, so that the benefits of the interconnected system could still be maintained.

While it was to be expected that the changing of frequency may cause inconvenience to consumers in areas which hither to had not operated at 50 cycles, advantage should be taken of the present reduction in industrical load brought about by war damage.

Lt.Col. Lapper pointed put that the subject was of very great importance and that, as it would later affect Southern Italy, he had therefore invited Eng. Masturzo from the Southern Italy Advisory Committee, Eng. Silva of the Associazione Esercenti Imprese Elettriche (AEIE) and Eng. Prosperi of State Railways to attend.

After much discussion the Committee recommended that a change in frequency from 45 to 50 cycles should be made for Central Italy as soon as the power from Northern Italy became available.

With regard to Southern Italy Eng. Masturzo advised that, as the industrial position in the South had been restored to a greater extent than in Central Italy, the problem of change in frequency became more difficult. He was, however, in favour of changing to 50 cycles frequency, at an early date, and considered that a few months should be allowed in order to give consumers the opportunity to get the necessary change to their equipment.

509

It was estimated that the Terni-Pescara and Pescara-Frattamaggiore lines would be completed about October-November and that, as 50 cycles power could then be imported from Central Italy, this should be taken as being the date for changing frequency in Southern Italy..

The Committee was of the opinion that, as the electrical

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The Committee was of the opinion that, as the electrical companies were being asked to change the frequency at a date much earlier than that in the Government decree, viz. 1952, they should be safeguarded against claims made by the consumers for costs incurred in changing equipment.

Lt.Col. Lapper promised to examine this with Eng. Asta and to report at the next metting.

33) - Any other business
Nil.

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Declassified E.O. 12356 Section 3.3/NND No. 785019

34) - Date and time of the next meeting

Next meeting will be held at 0900 hours on Monday 18 June 1945 in the offices of Società Romana di Elettricità.

Dr. Eng. FRANCESCO BARLUZZI
Secretary to the Committee

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30 APR 1945 235

ALLIED FORCE HEADQUARTERS
G-5 Section
APO 512

28 April 1945

Ref. E-1

SUBJECT: Advisory Committee on Electric Power

TO : Headquarters, Allied Commission, APO 394
(Attn: Public Works & Utilities Sub-Commission)

Reference your 235/PWU of 27 April.

1. This section does desire 1 copy of the Minutes of the Advisory Committee on Electric Power.

2. Your original questionnaire was accomplished and returned embodying such a request. It is considered that it was lost en route.

3. Thank you for bringing this to our attention.

For the Assistant Chief of Staff, G-5:

HEADQUARTERS
2 [illegible]
A. C.

R.W. GRADY
Major, T.C.
Economics & Supply Division

5093

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CENTRAL ITALY ELECTRICITY SCHEME

Telephone
Rome 489081 - Lxt. 317

26 April 1945

ADVISORY COMMITTEE ON ELECTRIC POWER (CENTRAL ITALY)

M I N U T E S

The fourth meeting of the Advisory Committee on Electric Power (Central Italy) was held at 0900 hours on Monday 16th April 1945 in the offices of Società Romana di Elettricità Via Poli, Rome.

Present :

Lt.Col.	W.M. LAPPER	- Chairman
Prof.Eng.	A. ASTA	- Vice Chairman
Dr.Eng.	A. ROVELLI	- Member
Dr.Eng.	G. ANGELUCCI	- "
Dr.Eng.	A. ANGELINI	- "
Dr.Eng.	C. FASCETTI	- "
Dr.Eng.	G. LANDUCCI	- "
Dr.Eng.	F. BARLUZZI	- Secretary
Lt.Col.	V.S. RENTON	- In attendance
Maj.	E.J. BARRY	- In attendance

22) - Minutes of the 3rd meeting held on 19 March 1945

The minutes were approved.

23) - Matters arising from previous minutes

509

Eng. Landucci stated that turbine parts at Livorno are not being assembled as shown in the minutes, but collected to be assembled at a later date.

Min. 17) - Repairs to Morinc Station (SRE) still under discussion by Terni Co. and Major Barry (A.C.).
Repairs to Farfa I turbine by contractor Bosco in hand by A.C.
Lists of insulating material and insulators required by Electrical Companies are being sent to Eng. Asta.

Eng. Asta reported that prices and high percentage of

Declassified E.O. 12356 Section 3.3/NND No. 785019

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Prof.Eng.	A. ASTA	- Vice Chairmen
Dr.Eng.	A. ROVELLI	- Member
Dr.Eng.	G. ANGELUCCI	- "
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Repairs to Farfa I turbine by contractor Bosco in hand by A.C.
Lists of insulating material and insulators required by Electrical Companies are being sent to Eng. Asta.

Eng. Asta reported that prices and high percentage of losses demanded by Corradini firm for wire-drawing work are due to bad working conditions in the factory.

Eng. Landucci stated that "Società Metallurgica Fornaci di Barga (Toscana)" will, in one or two months, be able to produce 400 tons of conductor per month. The factory will require 2,000 KW, the losses being 10% and price approx. 50 lire per Kg.

Lt.Col. Lapper advised the Electrical Companies to arrange contracts now with "Società Metallurgica Fornaci di Barga" in order to fixe prices for future requirements.

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Declassified E.O. 12356 Section 3.3/NND No. 785019

Eng. Asta reported that "Ente Nazionale Autotrasporti Cose (ENAC)" had been requested by Ministry of Public Works to grant highest priority to applications from Electrical Companies for transport.

Min. 18) - Standardization of transmission line voltage is under discussion between the Ministry of Public Works and the Electrical Companies. Lists of transformers available, being repaired and repairable (30 KV and higher) are being sent to Eng. Asta.

24) - Progress in rehabilitation of plants

Eng. Fascetti reviewed the progress of repairs of UNES Company. One unit (3,700 KVA) at Venamartello is short of speed regulator; Terni Co. and A.C.E.A. to see if they can provide one.

Eng. Landucci (Selt-Valdarno) stated that all repairs are going on satisfactorily. Two units at Gallicano in fairly good conditions - both penstocks damaged at several points - cannibalization possible; will require iron plates from Terni Co. or Orlando shipyards.

Eng. Rovelli (S.R.E.) reported on S.R.E. progress of repairs. Ceprano unit ready about May 15th. Farfa - Acquoria and Morino delayed for shortage of insulating materials. Angle-bars needed to repair Pontefiume gates.

Eng. Angelucci (A.C.E.A.) stated that repairs are proceeding according to programme. Castel Madama in operation on May 10th instead of April 30th due to delay at Terni steelworks.

Eng. Angelini reviewed progress of repairs of Terni Co. stating that the reactivation of a separate generator for the auxiliaries at Galleto is urgently required. 5097

The Committee agreed that all Power Companies are in urgent need of transport, tyres, cement, insulating materials, and recommended that every effort be made to meet their requirements.

Terni Co. asked that workers of the electrical section be entitled to benefits already granted to those actually working for the Allies. A.C. to examine.

Declassified E.O. 12356 Section 3.3/NND No. 785019

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25) - Report from the Director of the Master Control

A report from the Director of the Master Control was received. Eng. Pietromarchi, U.N.E.S. Engineer, and Lt.Col. Renton will examine the possibility of improving the voltage on the U.N.E.S. grid.

The Committee stated that frequency control was satisfactory and that with exception of the UNES area there was now no complaint regarding low voltage.

Eng. Pietromarchi submitted a report which showed the fuel costs and costs of operation for reactive power for each of the Companies operating on the Central Italy grid system. The definition of interchange of costs brought about by the interconnection of the grid system now

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operating under the Master Control was a difficult matter under the present circumstances. The figures showed that certain additional costs were incurred by some of the Companies participating in the scheme.

After a discussion Eng. Rovelli speaking for the Companies who were shown to have incurred additional costs, stated that the interconnected grid system has been a great benefit to all concerned and taking all the circumstances into account, they proposed to waive their claim.

Lt.Col. Lapper said that the action taken by Eng. Rovelli marked a forward step in the successful operation of the grid system. It was the true spirit of cooperation. He thanked Eng. Rovelli and the other Companies for their valuable assistance.

Eng. Asta on behalf of Mr. Visentini (General Inspector for Electricity, Water and Gas of the Ministry of Public Works) expressed appreciation for the manner in which this difficult matter had been settled.

Eng. Pietromarchi asked the Committee to consider the question of salaries for the Master Control personnel which required adjustment in the light of cost of living increases which had already been given by the Electrical Companies to their employees.

After a discussion the Committee agreed to the following salary adjustments to take effect as from 15 February 1945 :

Director
Monthly salary from 18,000 to 25,200 lire

Control Engineers
Monthly salary from 10,000 to 14,000 lire

Assistant Control Engineers
Monthly salary from 8,000 to 11,200 lire

Statistical Assistant
Monthly salary from 6,000 to 8,400 lire

Stenotypist
Monthly salary from 3,500 to 4,900 lire

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Declassified E.O. 12356 Section 3.3/NND No. 785019

thanked Eng. Rovelli and the other Companies for their valuable assistance.

Eng. Asta on behalf of Mr. Visentini (General Inspector for Electricity, Water and Gas of the Ministry of Public Works) expressed appreciation for the manner in which this difficult matter had been settled.

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Assistant Control Engineers
Monthly salary from 8,000 to 11,200 lire

Statistical Assistant
Monthly salary from 6,000 to 8,400 lire

Stenotypist
Monthly salary from 3,500 to 4,900 lire

26) - Operation programme and allocation of power
The Committee agreed to the programme for the month of May. The Committee recommended that efforts should be made to increase the night load, in order to make the greatest use of the available energy from the hydro plants.

27) - Any other business
The Committee recommended that, as repairs to the State Railway transmission lines and power plants were included in the discussion, a representative of the State Railways should be included in the Advisory Committee on Electric Power for Central Italy.

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28) - Date and time of next meeting

Next meeting will be held in the offices of S.R.E. - Via Poli, 14 - Rome, at 0900 hours on Monday 21st May 1945.

Dr.Eng. FRANCESCO BARLUZZI
Secretary to the Committee

5089

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Declassified E.O. 12356 Section 3.3/NND No. 785019

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

WHL/ao

18

Tel. 489081
Ext. 317

27 April 1945

Reference : 235/PWU

Subject : Advisory Committee on Electric Power

To : A.F.H.Q. - G-5

1. As no reply has been received to our questionaire it is presumed that you do not desire to remain on the mailing list for the minutes of the Advisory Committee on Electric Power.

For the Chief Commissioner,

W.M.LAPPER
Lieut-Colonel,
Chief Elec. Div.

5087

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel.Extn.317 HEADQUARTERS ALLIED COMMISSION File WML/oe

Inter Office Memo.

17

19 Apr 45.

REFERENCE: 235/PWU.
SUBJECT : Advisory Committees on Electric Power.
TO : Brig. Anderson.
FROM : Chief Elec.Divn.,P.W. & U. Sub-Comm.

1. I thought the attached letters would be of interest to you. After the Advisory Committees on Electric Power had been operating for a few months, it was decided to write to the individual members inviting them to membership of the Committee for a period of three years. The attached letters are typical of others which I received from various electrical engineers throughout Italy, Sicily and Sardinia. I thought you would be interested to see the enthusiasm which these people show and I feel sure that the Ministry of Public Works will find these Advisory Committees an essential part of its organisation for the future.

2. Please return letters after perusal.

5086

W.M. LAPPER,
Lieut-Colonel,
Chief,Elec.Divn.

2 encl.

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Sent to Harvard Files
Col Lapper

→ Advisory Committee Central Italy. 16

AZIENDA GOVERNATORIALE
ELETTRICITÀ ED ACQUE
IL DIRETTORE

Roma, 14 aprile 1945

RECEIVED
P.W. & U. S/C A.C
16 APR 1945 235

Sig. Ten. W.M. Lapper
Presidente del Comitato
Consultivo per l'energia elettrica
(Italia Centrale)

4

Ho ricevuto la lettera nella quale mi si comunica la mia nomina a membro del Comitato Consultivo per l'energia elettrica.

Le do atto della mia accettazione.

Ing. Giuseppe Angelucci

angelucci

5085

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Tel.489081
Ext.317

HEADQUARTERS ALLIED COMMISSION
INTER OFFICE MEMO.

WML/ce

15

5 Apr 45

REFERENCE: Q11/PWU.
SUBJECT : Advisory Committee Minutes.
TO : Lt.Col. Renton and
Major Barry.
FROM : Chief, Electr.Div.

1. It is desirable that attention be given to the recommendations which are put forward by the Advisory Committee on Electric Power, particularly in the early stages while we are assisting the Italian Government in this new organization. There are a number of recommendations made which require our attention and I would be glad if you would examine the following points and let the secretary have replies before the next meeting of the Committee:-

CENTRAL ITALY.

Minute No. 12.- Colonel Renton (AC) and Eng. Pietromarchi (Director of Master Control) to take necessary informations from all companies in order that emergency switches be properly labelled.

Minute No. 17.- A.C. to examine the question of delay of Farfa I repairs due to Bosco Firm being on military works.

Minute No. 17.- AC and Terni Co. to discuss repairs at Morino plant.

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Minute No. 17.- To repair the State Railways transmission line Larderello - Cascina - S. Romana.

Minute No. 18.- The Ministry of Public Works to examine the question of standardization of transmission line voltage.

Minute No. 20.- All Electrical Coys to submit to Ministry of Public Works programmes of rehabilitation work for the year 1946.

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Minute No. 20.- Eng. Pietromarchi (Director of Master Control) to see whether it is possible to determine the costs which will accrue to each Company for reactive KVA and fuel consumption.

2. A number of these recommendations do not directly concern us and it is for the Ministry to examine and report back to the Committee. We are, however, interested in seeing that the Advisory Committees oh Electric Power continue to function and receive support for their recommendations. It is in order, therefore, for you to remind Eng. Pietromarchi or Eng. Asta on the matters which require their attention.

508

W.M. LAPPER,
Lieut-Colonel,
Chief,Elec.Div.

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CO

Tel. 478906 HEADQUARTERS ALLIED COMMISSION
AFO 394
Public Works and Utilities Sub-Commission

VSR/lam
14

5 April 45

Reference: ~~158/PWU~~

SUBJECT : Movement of Control Room, Central Italy Electricity Scheme

TO : Italian Ministry of Public Works
(Att: Prof. A. Asta)

1. Confirming the conversation between Prof. A. Asta of the Italian Ministry of Public Works and Lt-Col. W.M. Lapper, this Headquarters, it is recommended that the permanent control room of the Central Italy Electricity Scheme, located in the Societa' Romana di Elettricita', Via Foli 14, be placed in operation at 1500 hours on Saturday 14 April 1945, and that normal use of the emergency control room cease at the same hour. It is important that the permanent control room be in operation at that time in order that it may be inspected by the Advisory Committee on Electric Power (Central Italy) during its April meeting.

2. For the present, the control room in the Ministero delle Corporazioni building will be available for emergency use. In case the control room at Via Foli becames unusable for any reason, control room employees should report to the emergency control room, where operations will continue. It will therefore be necessary for the control room employees to retain their building passes in order that they may readily gain access to the building.

W.M. LAPPER
Lieut-Colonel,
Chief Electrical Division.

5082

c.c. Ing. Pietromarchi
Ing. Novelli (S.R.E) Through Eng. Asta
File No. 235

Declassified E.O. 12356 Section 3.3/NND No. 785019

Tel.489081
Ext.317.

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

WML/ce

13

235/PWU.

5 Apr 45.

SUBJECT: Advisory Committee on Electric Power (Central Italy).

TO : Ministry of Public Works (att: Eng.Asta).

1. We shall be attending the next meeting of the Advisory Committee on Electric Power (Central Italy) on Monday, 16 April 1945, which will be held at the office of the SRE., and it is desirable that you are in a position to give the Committee answers to the recommendations which they made in Minutes 17 which refers to insulating material, prices for wire-drawing works and letter from Ministry to ENAC., also Minute 18 referring to standardisation of transmission line voltage.

2. I suggest you let the Secretary have a note on these points before the meeting.

W.M. LAPPER,
Lieut-Colonel,
Chief, Elec.Div.

5081

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Tel. 489081 - Ext. 070

FB/ao

SISTEMA DI IMPIANTI ELETTRICI DELL'ITALIA CENTRALE
COMITATO CONSULTIVO PER L'ENERGIA ELETTRICA
(ITALIA CENTRALE)

1° Marzo 1945

Prot. N° 235/

All'Egr.Sig.Ing.DOMENICO PIETROMARCHI
Direttore dell'Ufficio Centrale di
Controllo - Roma

OGGETTO : Nomina del personale dell'Ufficio Centrale di Controllo

1) - Il Comitato Consultivo per l'Energia Elettrica (Italia Centrale), nella riunione tenuta il giorno 1° Febbraio 1945 approvò la nomina del seguente personale necessario all'attività dell'Ufficio Centrale di Controllo dell'Italia Centrale.

2) - Il paragrafo 1) del verbale della riunione del 1° Febbraio stabilisce quanto segue :

Nomina del Direttore e del personale dell'Ufficio Centrale di Controllo

Direttore : Dr.Ing. PIETROMARCHI Domenico

Ingegneri di Controllo :
Dr.Ing. CALENDA Vincenzo
Dr.Ing. COLAMARINO Giovanni
Dr.Ing. FRALLEONI Emilio
Dr.Ing. ZANIER Luigi

Assistenti tecnici di controllo :
DE ANGELIS Enrico
NOBILI Ferruccio
SCARFICCIA Fiorino

Assistente tecnico per la statistica :
SCUDERINI Baldomero

Stenodattilografa :

Per quanto riguarda i due posti ancora vacanti di Assisten

./.

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te teonico di controllo e di Dattilografa, viene deciso di rimettere ogni scelta al Direttore.

3) - Nella stessa riunione del Comitato vennero anche decisi gli stipendi e le condizioni d'impiego; il paragrafo 2 del verbale della riunione stessa stabilisce quanto segue :

Accordi circa lo stipendio del Direttore e del personale dell'Ufficio Centrale di Controllo

Il Direttore percepirà uno stipendio mensile di £.18.000.==; annualmente egli riceverà anche una 13ª mensilità comprendente ogni altra corresponsione a qualunque titolo. Le cifre indicate debbono intendersi al lordo delle ordinarie trattenute di legge od eventuali di contratto. L'Ingegnere Pietromarchi continuerà a far parte dell'organico della Terni godendo dei relativi diritti come se fosse tutt'ora alle dirette dipendenze della Società stessa.

Gli Ingegneri di Controllo percepiranno uno stipendio mensile di £.10,000.==; annualmente essi riceveranno anche una 13ª mensilità comprendente ogni altra corresponsione a qualunque titolo. Le cifre indicate debbono intendersi al lordo delle trattenute di legge od eventuali di contratto. Gli Ingegneri Fralleoni e Zanier continueranno a far parte dell'organico rispettivamente della S.R.E. e dell'A.C.E.A. godendo dei relativi diritti come se fossero tutt'ora alle dirette dipendenze delle rispettive Società.

Gli Assistenti Teonici di Controllo percepiranno uno stipendio mensile di £. 8,000.==; annualmente essi riceveranno anche una 13ª mensilità comprendente ogni altra corresponsione a qualunque titolo. Le cifre indicate debbono intendersi al lordo delle ordinaria trattenute di legge ed eventuali di contratto. I Signori De Angelis, Nobili e Scarficcia continueranno e far parte dell'organico rispettivamente della S.R.E., dell'A.C.E.A. e TERNI godendo dei relativi diritti come se fossero tutt'ora alle dirette dipendenze delle rispettive Società.

Assistente Teonico per la Statistica percepirà uno stipendio mensile di £. 6,000.==; annualmente egli riceverà anche una 13ª mensilità comprendente ogni altra corresponsione a qualunque titolo. Le cifre indicate debbono intendersi al lordo delle ordinarie trattenute di legge ed eventuali di contratto.

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Stenodattilografa (non ancora assunta) percepirà uno stipendio mensile di £. 3,500.==; annualmente essa riceverà anche una 13ª mensilità comprendente ogni altra corresponsione a qualunque titolo. Le cifre indicate debbono intendersi al lordo delle ordinarie trattenute di legge ed eventuali di contratto.

4) - In conseguenza dei suddetti accordi risultano definiti gli stipendi relativi a determinati incarichi del personale. Proposte di ulteriori nomine e di aumenti di stipendio che di tanto in tanto si rendano necessari per il buon funzionamento dell'Ufficio Centrale di Controllo, dovranno essere sottoposte al Comitato Consultivo per l'approvazione.

5) - In conseguenza di quanto esposto è necessario che Ella confermi per lettera, diretta al Segretario del Comitato, la Sua formale accettazione dell'incarico assegnatoLe e delle relative condizioni di impiego.

6) - E' anche necessario che Ella richieda per iscritto a tutti i componenti il personale dell'Ufficio Centrale di Controllo di farLe avere una lettera di formale accettazione. Copia di questa lettera dovrà essere inviata al Segretario del Comitato per essere conservata nell'archivio del Comitato stesso.

7) - Qualora qualcuno dei componenti del Suo personale dovesse presentare le proprie dimissioni, la sostituzione sarà rimessa al suo giudizio, ma ogni cambiamento dovrà essere riferito al Comitato nella relazione mensile.

8) - Nel caso si rendesse necessario il licenziamento di qualche componente del Suo personale, tale questione dovrà essere presentata al Comitato per l'approvazione prima di procedere al licenziamento stesso.

5078

Lt.Col.W.M.LAPPER
Chief Elec. Div., P.W.& U. S/C, AC
Presidente del Comitato

Dr.Ing.FRANCESCO BARLUZZI
Segretario del Comitato

Tel.489081
Ext. 317

- FILE -

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

W.M.L/ac

11

Reference : 235/PWU

30 March 45

Subject : Advisory Committee on Electric Power

To : Distribution

1. Reference attached Minutes of Advisory Committee on Electric Power (Sardinia, Sicily, Southern and Central Italy). It is desired to know whether the subject matter is of interest to you and if you wish to be included in the future distribution.

2. If it is desired to continue to receive these or those referring to certain areas kindly complete the form and return to me.

For the Chief Commissioner

W.M.LAPPER
Lieut-Colonel,
Chief Elec. Div.

To : PUBLIC WORKS & UTILITIES SUB-COMMISSION, HQ AC
(Attention Lieut-Colonel W.M.Lapper)

5077

Please send _____ copies of the Minutes of the Advisory Committee on Electric Power of (Sardinia, Sicily, Southern and Central Italy) addressed to

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Declassified E.O. 12356 Section 3.3/NND No. 785019

Italy). It is desired [illegible]
is of interest to you and if you wish to be included in the future distribution.

2. If it is desired to continue to receive these or those referring to certain areas kindly complete the form and return to me.

For the Chief Commissioner

W.M.LAPPER
Lieut-Colonel,
Chief Elec. Div.

To : PUBLIC WORKS & UTILITIES SUB-COMMISSION, HQ AC
(Attention Lieut-Colonel W.M.Lapper)

5077

Please send _____ copies of the Minutes of the Advisory Committee on Electric Power of (Sardinia, Sicily, Southern and Central Italy) addressed to

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(Where no request is received the Minutes will be discontinued).

cc: file 236
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COPY N° 36

CENTRAL ITALY ELECTRICITY SCHEME

Telephone
Rome 489081 - Ext. 317

27 March 1945

ADVISORY COMMITTEE ON ELECTRIC POWER
(CENTRAL ITALY)

M I N U T E S

The third meeting of the Advisory Committee on Electric Power (Central Italy) was held at 0600 hours on Monday 19th March 1945 in room 16th, 8th Floor A.C. Hqtrs - Via Vittorio Veneto, Rome.

Present :

Lt.Col.	W.M.LARPER	- Chairman
Prof.Eng.	A. ASTA	- Vice Chairman
Dr.Eng.	A.ROVELLI	- Member
Dr.Eng.	G.ANGELUCCI	- Member
Prof.Eng.	A.ANGELINI	- Member
Dr.Eng.	C.FASCETTI	- Member
Dr.Eng.	G.LANDUCCI	- Member
Dr.Eng.	F.BARLUZZI	- Secretary

15) - Minutes of the 2nd meeting held on February 19th 1945

The minutes were approved.

16) - Matter arising

Minute 10 - Farfa I works still under discussion with Eng. De Gasperis of Terni Company.

Gerosa II unit castings will be made at Pignone Company (Florence).

5076

Galleto 3rd and 4th alternator will operate on open circuit air cooling until cooler tubes arrive from U.S. (approximately two months).

Preci and Papigno Stations repair still under discussion

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(CENTRAL ITALY)

M I N U T E S

The third meeting of the Advisory Committee on Electric Power (Central Italy) was held at 0900 hours on Monday 19th March 1945 in room 16th, 8th Floor A.C. Hqtrs - Via Vittorio Veneto, Rome.

Present :

Lt.Col.	W.M.LAPPER	- Chairman
Prof.Eng.	A. ASTA	- Vice Chairman
Dr.Eng.	A.ROVELLI	- Member
Dr.Eng.	G.ANGELUCCI	- Member
Prof.Eng.	A.ANGELINI	- Member
Dr.Eng.	C.FASCETTI	- Member
Dr.Eng.	G.LANDUCCI	- Member
Dr.Eng.	F.BARLUZZI	- Secretary

15) - Minutes of the 2nd meeting held on February 19th 1945

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5076

Galleto 3rd and 4th alternator will operate on open circuit air cooling until cooler tubes arrive from U.S. (approximately two months).

Preci and Papigno Stations repair still under discussion with Terni Company.

S.Giacomo works commenced.

Minute 12) - Emergency operation arrangements in hand by Eng.Pietromarchi and Major Renton.

Minute 13) - Neutral earthing and electrical protection under discussion by Technical Committee under Eng. Pietromarchi and Major Renton.

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Declassified E.O. 12356 Section 3.3/NND No. 785019

17) - Progress in rehabilitation of plants

Ing.Rovelli (S.R.E.) stated that Farfa I delayed due to contractor Bosco being on Military work. A.C. to examine. Shortage of insulating material which will cause delay. Committee advised S.R.E. to request MATER CO. for information. S.R.E. to pass information to A.C.

The question of bakelite tubes and of special insulating bushings was discussed. The Committee advised the Ministry of Public Works to obtain full particulars from the Elctrical Companies of their requirements. This to include material which may be available from the Ginori Factory (Florence).

The Committee advised that repairs at Merino Plant be discussed between Terni Company and A.C.

Eng.Rovelli raised the question of wire-drawing made by Corradini Firm (Naples). The prices and losses of material were unreasonable. Corradini was now demanding about 25% of additional copper to cover losses. It is reported that Società Metallurgica of Fornaci di Barga (Toscana) will probably be able to carry out wire-drawing work in May. The Committee recommended that the Ministry of Public Works look into the matter of prices and losses demanded by wire-drawing works.

Eng.Fascetti (U.N.E.S.) stated progress of repairs of Unes works up to programme.

Repairs to 1st unit of Gerosa being made at Tolentino.

Eng.Angelini (Terni) - stated that Galleto unit will be examined for possibility of hydrogen cooling system to give increased output. Committee will be informed.

Eng.Landucci (Selt-Valdarno) - Lima Station breakdown after repairs; will be in operation in about one week.

Castelnuovo Garfagnana (no man's land) reported by partisan with 1 unit operating and supplying energy to

Declassified E.O. 12356 Section 3.3/NND No. 785019

The Committee advised what repairs [illegible] discussed between Terni Company and A.C.

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Eng.Landucci (Selt-Valdarno) - Lima Station breakdown after repairs; will be in operation in about one week.

Castelnuovo Garfagnana (no man's land) reported by partisan with 1 unit operating and supplying energy to enemy.

Parts of other machines have been hidden.

Gallicano still within shelling distance. Two units can be repaired in three months. Some damage to civil works.

Pian della Rocca - 11,000 KW unit operating from local reservoir. Main water supply still in enemy hands. Station can only be used for peak due to shortage of water.

Livorno - repairs to two boilers proceeding with assistance of Orlando Shipyards.

Parts of one turbine unit being assembled.

Extention of the Nera Montoro Station was discussed and the Committe advised that this project be left over for the time being.

The rehabilitation of the State Railway transmission line Larderello-Cascina-San Romano was discussed. The Committee

Declassified E.O. 12356 Section 3.3/NND No. 785019

recommended that this line be repaired to permit power flow from Larderello to the north.

Eng.Angelucci reviewed the progress in rehabilitation of plants of ACEA; repairs are going on according to programme.

Transport - All members of the Committee agreed that lack of transport was causing a serious delay in rehabilitation work.

Selt-Valdarno was being asked to return two Italian Army trucks this week.

Ente Nazionale Autotrasporti Cose (ENAC) were not meeting demands for transport. The Committee recommended that the Ministry of Public Works request ENAC to give the highest priority to transport for electric rehabilitation work.

18) - Report from the Director of Master Control

Report from the Director of Master Control was received. The Committee agreed that operation has been satisfactory.

The question of high voltage transmission was discussed and it was thought that in order to effect economies particularly in transformers, some form of standardization be considered.

The Committee recommended that the Ministry of Public Works examine the position with a view of obtaining a standard grid system voltage.

19) - Operation and allocation of power

The Committee agreed the programme for the month of April.

20) - Any other business

1946 Programme - The question of future rehabilitation work was discussed and the possibility of availability of repair shops reviewed.

The Committee recommended that all Electrical Companies submit to Ministry of Public Works programmes of rehabilitation work for the year 1946.

5075

Financial - The Electrical Companies in Central Italy were now concerned with the intercompany financial arrangements for settlement of interchange of reactive KVA and also the

Declassified E.O. 12356 Section 3.3/NND No. 785019

Ente Nazionale Autotrasporti Cose (ENAC) were not meeting demands for transport. The Committee recommended that the Ministry of Public Works request ENAC to give the highest pricrity to transport for electric rehabilitation work.

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The Committee recommended that all Electrical Companies submit to Ministry of Public Works programmes of rehabilitation work for the year 1946.

5075

Financial - The Electrical Companies in Central Italy were now concerned with the intercompany financial arrangements for settlement of interchange of reactive KVA and also the division of fuel costs. After much discussion the Committee recommended that Eng. Pietromarchi, Director of Master Control, examine the position to see whether it is possible to determine the costs which will accrue to each company in respective of reactive KVA and of fuel consumption.

21) - Date and time of next meeting

Next meeting will be held in the offices of Società Romana di Elettricità - Via Poli - Rome at 0900 on Monday, April 16th 1945.

Distribution
List attached

Dr. Eng. F. BARLUZZI
Secretary of the Committee

Declassified E.O. 12356 Section 3.3/NND No. 785019

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Tel.489081
Ext.317

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

WML/oe

10

235/PWU.

30 March 45.

SUBJECT: Electricity Italy.

TO : Director of Civil Affairs, C.A.13
(att: Lt.Col. Cotton)
THE WAR OFFICE,
Hotel Victoria,
Northumberland Avenue
LONDON, W.C.2.

Attached are two copies of the minutes of the Advisory Committees on Electric Power for Central and Southern Italy. These are passed to you for information.

W.M. LAPPER,
Lieut-Colonel,
Chief,Elec.Div.

5072

Declassified E.O. 12356 Section 3.3/NND No. 785019

DO/235/PWU
WML/oe

HEADQUARTERS ALLIED COMMISSION
Public Works and Utilities Sub-Comm.
APO 394.

9

30 March 1945.

Dear Ingleson,

Attached are two copies of the minutes of the Advisory Committees on Electric Power for Central and Southern Italy. These are passed to you for information.

Yours sincerely,

P. INGLESON, Esq.,
C.P.R.B. Public Utilities Committee
London Staff,
MINISTRY OF PRODUCTION,
Great George Street,
LONDON, S.W.1.

507

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SOCIETÀ ELETTRICA SELT-VALDARNO
ANONIMA CAPITALE L.500.000.000 INT.VERS.
SEDE IN FIRENZE

DIREZIONE GENERALE

RECEIVED
P.W. & U. S/C A.C.
29 MAR 1945 235

8

27 March I945

Reference: 235/PWU

Subject: Acceptance of office.

To/ HEADQUARTERS ALLIED COMMISSION
PUBLIC WORKS & UTILITIES SUB-COMMISSION
APO 394

4

Following your letter of March I4th, I am glad to accept your appointment as a member of the Advisory Committee on Electric Power for Central Italy, until the date of December 3Ist I947.

Wishing again to express my sincere cooperation,

your's gratefully

Ing.Giuseppe Landucci
Selt-Valdarno Director.

h/

507

Declassified E.O. 12356 Section 3.3/NND No. 785019

TERNI - SOCIETÀ PER L'INDUSTRIA E L'ELETTRICITÀ
ANONIMA - SEDE LEGALE IN ROMA - DIREZIONE GENERALE IN GENOVA
CAPITALE L. 1.800.000.000

INDIRIZZI:
POSTA: CASELLA POSTALE - TERNI
TELEGRAFO: ELETTROTERNI
TELEFONO: N. 58

C.P.E. ROMA 18657 - GENOVA 12090
MILANO 243296 - PERUGIA 12945
RIETI 6478 - TERAMO 20386
TERNI 4149
C/C/ POSTALE GENOVA N. 4/526

SERVIZI ELETTRICI

Vs. ..... 19 .....
Ns. 813 /Es. Centr.
PAPIGNO, 23 Marzo 1945

QUARTIER GENERALE COMMISSIONE
ALLEATA - DIVISIONE ELETTRICA
R O M A
Via Vittorio Veneto

OGGETTO: Comitato Consultivo Energia Elettrica

Al Ten. Colonnello W.M. LAPPER
Capo divisione Elettrica C.A.

Le sono molto grato per quanto (14) ha voluto comunicarmi con la Sua lettera del 14 corrente, nella quale é confermata la mia designazione a far parte del Comitato Consultivo per l'Energia Elettrica.

Mentre apprezzo molto la fiducia che ha voluto accordarmi Le assicuro la più assidua e cordiale collaborazione nell'ambito della nuova organizzazione che ha già dato i suoi buoni risultati e - ne sono certo - ne darà in seguito sempre più sensibili nell'interesse della rinascita dell'industria elettrica in Italia.

Con i migliori ossequi

SERVIZI ELETTRICI
IL DIRETTORE
Angelini

5069

All Col Lapper
Ral 28/3

Vincere

Il Foro competente per la decisione di qualunque controversia nei confronti della nostra Società è quello di Genova.

Declassified E.O. 12356 Section 3.3/NND No. 785019

TERNI - SOCIETÀ PER L'INDUSTRIA E L'ELETTRICITÀ

ANONIMA - SEDE LEGALE IN ROMA - DIREZIONE GENERALE IN GENOVA
CAPITALE L. 1.600.000.000

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TELEGRAFO: ELETTROTERNI
TELEFONO: N. 58

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RIETI 6478 - TERAMO 20386
TERNI 4149
C/C/ POSTALE GENOVA N. 4/526

TRANSLATION

SERVIZI ELETTRICI

HEADQUARTERS ALLIED COMMISSION
ELECTRICAL DIVISION
ROME

Vs. 8/3 /Es.Centr.
Ns.

PAPIGNO, 23 Marzo 1945

RECEIVED
P.W & J. S/C A.C.
28 MAR 1945 235

SUBJECT: Advisory Committee on Electric Power

To : Lt. Colonel W.M. LAPPER
Chief Elec. Div.

I am very thankful to you for what you have communicated to me in your letter of the 14th ult., in which my appointment as a member of the Advisory Committee on Electric Power has been confirmed.

I appreciate very much the confidence you have granted to me and I assure you my continous and cordial collaboration in the new organization which have already given good results and - I am sure - will give in the future more and more considerable ones in the interest of the revival of electrical industry in Italy.

SERVIZI ELETTRICI
IL DIRETTORE

Il Foro competente per la decisione di qualunque controversia nei confronti della nostra Società è quello di Genova.

Declassified E.O. 12356 Section 3.3/NND No. 785019

Società Romana di Elettricità

ANONIMA - SEDE IN ROMA VIA POLI, 14

CAPITALE VERSATO

IL DIRETTORE GENERALE

Roma, 26 Marzo 1945

6

To Lt. Col. W.M. LAPPER
Chief Electrical Division
Sotto Commissione per i Lavori e
Servizi Pubblici
A P O 394
R O M A .

Oggetto: Comitato Consultivo per l'Energia Elettrica .

14

Accuso ricevimento della lettera 14 marzo 1945 n° 235/PWU.

1) Ho preso nota di quanto mi viene comunicato in merito alla costituzione dei "Comitato Regionali Consultivi dell'Energia Elettrica" e della prossima costituzione di un nuovo Comitato che verrà denominato "Comitato Nazionale".

2) Colla presente mi pregio inviare la mia adesione alla carica di membro del "Comitato Consultivo dell'Energia Elettrica per l'Italia Centrale.

(Dr.Ing. Aldo Rovelli)

Subject : Advisory Committee on Electrical Energy.

I have received your letter n° 235/PWU on March 14th 1945.

1) I have taken notice of what you have transmitted me concerning the constitution of "Advisory Regional Committees on Electrical Energy" and of oncoming constitution of a new committee which is to be called "National Committee".

2) By this letter I send in my acceptance to the appoitment as a Member of the "Advisory Committee on Electrical Energy in Central Italy .

(Dr.Ing. Aldo Rovelli)

Declassified E.O. 12356 Section 3.3/NND No. 785019

UNIONE ESERCIZI ELETTRICI

Il Direttore Generale

Roma, 21 marzo 1945

RECEIVED
P.W. & U. S/C A.C.
22 MAR 1945 235

Lt. Colonel
W. M. LAPPER
Chief Elec. Div.

R O M A

Ho ricevuto la Sua gradita in data 14 corrente e mentre La ringrazio vivamente di avermi designato a far parte del Comitato Consultivo sull'energia elettrica per l'Italia Centrale, dichiaro con la presente di accettare tale incarico per il periodo da Lei fissato.

Con i migliori saluti.

Ing. Carlo Fascetti

(Dr.Ing. Carlo Fascetti)

5086

(235) FILE

Tel.489081
Ext. 317

[illegible] COMMISSION
[illegible] SUB-COMMISSION
APO 394

TB/ac

4

Reference : 235/ [illegible] U

14 March 1945

Subject : Advisory Committee on Electric Power

To : Dr.Eng. A. ROVELLI (6)
Dr.Eng.G.ANGELUCCI (16)
Dr.Eng.A.ANGELINI (7)
Dr.Eng.C.FASCETTI (5)
Dr.Eng.G.LANDUCCI (8)

1) - In order that the General Inspector for Electricity, Water, and Gas of the Ministry of Public Works may be informed as to the electrical situation throughout Sardinia, Sicily and Peninsular Italy, it has become necessary to consider an arrangement whereby all matters connected with the generation, transmission and distribution of electricity may be constantly under review and recommendations made to the appropriate Department of the Ministry.

2) - Regional Committees known as "Advisory Committees on Electric Power" have already had meetings and are now functioning in Sardinia, Sicily, Southern and Central Italy, and there is every reason to believe that the Regional Committee arrangement in which experts are able to meet and consider the local problems and make recommendations and advise the Minister, will prove a most successful link in the organization of the electricity supply industry.

3) - It is proposed shortly to form a further Committee to be known as the "National Committee". The constitution of this will be made up from members of the Regional Committees, together with a number of other persons who are qualified to give the assistance which is so vitally necessary in the important matters which will be presented to the Ministry from time to time.

4) - It is desirable that a formal appointment and acceptance

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4) - It is desirable that a formal appointment and acceptance of office be received from those persons now forming part of the present Advisory Committees. I have pleasure, therefore, in informing you that the Ministry of Public Works in conjunction with the Allied Commission has appointed you a member of the Advisory Committee on Electric Power for Central Italy . The appointment is for the period of three years terminating at 31st December 1947.

306

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5) - The meetings of the Committee will be held on the third Monday of each month. Additional meetings may be called in case of special business, or in case of emergency at the call of the Chairman.

6) - Will you please inform me, as early as possible, regarding your acceptance as a member of this Committee.

On receipt of this your name will be forwarded to the Chairman who will communicate with you further in connection with the future arrangements for the committee.

H. M. Carter

H.M. CARTER
Lt.-Colonel
Chief Elec. Div.

cc : File 236
237
238

5062

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Copy N° 29

3

CENTRAL ITALY ELECTRICITY SCHEME

Telephone
Rome 489081 - Ext. 317

8 March 1945

ADVISORY COMMITTEE ON ELECTRIC POWER
(CENTRAL ITALY)

MINUTES

The second meeting of the Advisory Committee on Electric Power (Central Italy) was held at 0900 hours on Monday 19th February 1945 in Room 16, 8th Floor A.C. Headquarters - Via Vittorio Veneto - Rome.

Present :

Lt.Col. W.H.HARPER	- Chairman
Prof.Eng.A. ASTA	- Vice Chairman
Dr.Eng.A. ROVELLI	- Member
Dr.Eng.G. ANGELUCCI	- Member
Prof.Eng.A. ANGELINI	- Member
Dr.Eng.C. FASCETTI	- Member
Dr.Eng.G. LANDUCCI	- Member
Dr.Eng.F. BARLUZZI	- Secretary

8) - Minutes of the 1st meeting held on 1st February 1945

The minutes were approved.

9) - Matters arising

Nil.

10) - Progress in rehabilitation of plants

Eng.Rovelli reviewed the progress in rehabilitation of plants and transmission system of Società Romana di Elettricità. Canterno plant will start operation on February 20th with an output of 8-10 MW during 3-4 hours a day until the end of June. Repairs of the

500

Declassified E.O. 12356 Section 3.3/NND No. 785019

M I N U T E S

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Present :

Lt.Col.W.M.HAPPER	- Chairman
Prof.Eng.A. ASTA	- Vice Chairman
Dr.Eng.A. ROVELLI	- Member
Dr.Eng.G. ANGELUCCI	- Member
Prof.Eng.A. ANGELINI	- Member
Dr.Eng.C. FASCETTI	- Member
Dr.Eng.G. LANDUCCI	- Member
Dr.Eng.F. BARIUZZI	- Secretary

8) - Minutes of the 1st meeting held on 1st February 1945

The minutes were approved.

9) - Matters arising

Nil.

10) - Progress in rehabilitation of plants

Eng.Rovelli reviewed the progress in rehabilitation of plants and transmission system of Società Romana di Elettricità. Canterno plant will start operation on February 20th with an output of 8-10 MW during 3-4 hours a day until the end of June. Repairs of the gallery will then be carried out. The Committee recommended that the output of this unit be kept fairly high in order to reduce the percentage of hydraulic losses in penstocks and save fuel at Thermal Stations. The Committee recommended that the Allied Commission send a letter to S.R.E. and to Eng. De Gasperis of Terni Steelworks, stating that the turbine of Farfa I - first unit will be delivered by Terni on November 30.

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Eng. Fascetti reviewed the progress of repairs of Unione Esercizi Elettrici (UNES). The Com ittee recommended that the casting of Gerosa 2nd unit be made at Tolentino Workshops. Assistance will also be provided by Terni Co.

Eng. Angelini reviewed the progress in rehabilitation of plants of Terni Company. The 2nd unit at Galleto will be in service not later then April 10th. The 3rd and 4th units will be delivered by the end of May and June respsctively. The Committee recommended that the matter of cooling system for these units as well as the repairs of Preci plant be discussed by Terni Coy. with Maj. Barry.

Eng. Landucci reviewed the progress of repairs of Selt-Valdarno Co. The 2nd unit of Pian della Rocca and the 1st of Lima will be ready in February 45. Information of Gallicano is still incomplete due to war operations. The synchronous condenser (5000 KVA) at Prato will be ready on March 1945.

Eng. Angelucci reviewed the progress in rehabilitation of plants of A.C.E.A. and stated that all repairs are going on according to the programme.

The completion of S.Giacomo plant of Terni Co. was also considered. One unit (66 KVA) is assembled being only short of 1 impaler. This will be constructed by Terni Steel Works in three months. The completion of the gallery will require 12 months; cement should be made available by Spoleto or Colleferro cement factories. The Committee recommended that Terni Company submit a report on the future works for this station in order to avoid ary interference, also stating the monthly requirement of cement for the completion of the gallery.

11) - Report from the Director of the Master Control

A report on the operating conditions during the preceeding month was submitted by Eng.Pietromarchi. The outstanding operating difficulty had been the question of dealing with reactive KVA but this was being overcome as more plants became available and by insertion of synchronous conde[illegible] 500
sers. The Committee complimented Eng.Pietromarchi on the

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11) - Report from the Director of the Master Control

A report on the operating conditions during the preceeding month was submitted by Eng.Pietromarchi. The outstanding operating difficulty had been the question of dealing with reactive KVA but this was being overcome as more plants became available and by insertion of synchronous condensers. The Committee complimented Eng.Pietromarchi on the way he had overcome the initial difficulties in setting up the Master Control.

12) Emergency operation procedure

The question of opening circuits in case of emergency as laid down in operation memorandum N° 2 was discussed. It was agreed that Major Renton and Eng.Pietromarchi would obtain the necessary informations from each Company in Central Italy in order that emergency switches be properly labelled.

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13) - Any other business

The Committee agreed the constitution of a Commission from the operating companies technical staff to look into the question of neutral earthing and electrical protection. Major Renton and Eng.Pietromarchi will make the necessary arrangements.

Major Price explained to the Committee the procedure to be adopted when requiring supplies. He reported that an allocation of tires, boots and clothing is at present being made.

14) - Date and time of next meeting

Next meeting will be held at 0900 hours on Monday 19th March 1945.

Dr.Eng.FRANCESCO BARLUZZI
Secretary, Advisory Committe

Distribution list attached.

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30 - Vice President, Economic Sec. HQ, AC
31/32 - Economic Section, HQ AC
33 - Industry Sub-Commission HQ AC
34 - Public Works and Utilities Sub-Commission, HQ AC
35 - C.S., TARANTO
36 - S.U.S.N.O., ITALY
37 - M.A.A.F. (A)
38 - M.A.A.F. (B)
39/42 - AAFSCO/MTO
43/44 - HQ, Nº 1 District
45 - C.E. Nº 1 District
46/47 - HQ, Nº 2 District
48 - C.E., Nº 2 District
49/50 - HQ, Nº 3 District
51 - C.E., Nº 3 District
52/56 - C.G., RAAC
57 - PENBASE SOUTH
58 - PENBASE
59/60 - C.E., P.B.S.

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10 - QE, Coal Section, AFHQ
11 - C.E., AFHQ
12 - D.C.E., AFHQ
13 - Dir.Eng.Prod. & Stores, AFHQ
14/16 - D.W., AFHQ
17/18 - DTR (Italy), C.C.F.
19 - Fiscal Director, AFHQ
20 - Tn. Increment, C.C.F.
21 - G.P.A., MTOUSA
22/26 - C.A.O., 15th Army Group
27/28 - HQ 15th Army Group
29 - HQ, AC
30 - Vice President, Economic Sec. HQ, AC
31/32 - Economic Section, HQ AC
33 - Industry Sub-Commission HQ AC
34 - Public Works and Utilities Sub-Commission, HQ AC
35 - C.S., TARANTO
36 - S.U.S.N.O., ITALY
37 - M.A.A.F. (A)
38 - M.A.A.F. (B)
39/42 - AAFSCO/MTO
43/44 - HQ, N° 1 District
45 - C.E. N° 1 District
46/47 - HQ, N° 2 District
48 - C.E., N° 2 District
49/50 - HQ, N° 3 District
51 - C.E., N° 3 District
52/56 - C.G., RAAC
57 - PENBASE SOUTH
58 - PENBASE
59/60 - C.E., P.B.S.
62/64 - B.P.A., PBS
65 - HQ Adriatic Depot
66/75 - AFLRS, RAAC, C.C.F.
76 - Adv. C.E. N° 2 District
77 - File
78/90 - Spares

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Tel.489081
Ext. 317

HEADQUARTERS ALLIED COMMISSION
Public Works and Utilities Sub-Commission
APO 394

WML/av

Reference : 211/PWU

12 March 45

Subject : Advisory Committee on
Electric Power (Central Italy)

To : SOCIETA' ROMANA DI ELETTRICITA'
(Attn Dr.Eng.Rovelli) - Via Poli,14 - Rome

1) - Reference your letter 24 February 45 - file EG/783/115.

2) - This matter is having our attention and we will communicate with you again shortly.

W.M.LAPPER
Lt-Colonel
Chief Elec.Div.

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Società Romana di Elettricità

Per azioni - Sede in Roma - C.C.C. Roma N.c. 3247
capitale sociale L. 478.500.000 versato

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P.W. & U. S/C A.C.
10 MAR 1945 235

Roma (41) li 24 febbraio 1945
VIA POLI, 14

EG. Es. N.c 783/115

Lt Col. Lapper
translation attached.

AL COMITATO CONSULTIVO
PER L'ENERGIA ELETTRICA ITALIA CENTRALE
R O M A
Via Veneto

Alla cortese attenzione del presidente: Col. Lapper -

Ci pregiamo segnalare due argomenti, già posti in discussione nell'ultima riunione del Comitato, sui quali il Comitato stesso si è già trovato di massima d'accordo, e che è necessario vengano sollecitamente definiti.

1) Servizio termico di riserva durante le fermate del gruppo di Galleto.
Accade frequentemente, quando il gruppo di Galleto deve venire fermato, di ricevere ordine dall'Ufficio del ripartitore centrale del carico di fornire energia - prodotta termicamente - a Villa Valle, per alimentare alcune utenze di preminente utilità.
Evidentemente l'onere della produzione termica non può ricadere sul produttore ma sul consumatore, ed è necessario stabilire le norme per il relativo rimborso.

2) Servizio di rifasamento.
Risulta dai dati di esercizio che il fattore di potenza della ns. rete è ottimo, oltrepassando notevolmente il cosfì medio dell'Italia Centrale. Tale fattore di potenza - nei confronti del prelievo da Terni - è ulteriormente migliorato dall'azione rifasatrice della centrale del Canterno, dei due turboalternatori di S.Paolo da 12.500 KVA cad., che funzionano normalmente con cosfì = 0,5 e del sincrono di Tor di Quinto da 6600 KVA da noi ricostruito.
Tale servizio di rifasamento, fatto nell'interesse di tutti gli esercenti dell'Italia Centrale, importa a noi una notevole spesa, della quale la ns. Società deve venire rimborsata.
Le modalità del rimborso debbono venire decise di comune accordo in seno al comitato, tenendo presenti sia le perdite delle macchine rifasatrici, sia le relative spese di manutenzione ed il loro deperimento. Si potrebbero a tale scopo utilizzare i risultati dello studio già fatto dall'Ing. Ruggeri (ex direttore di esercizio delle centrali termiche di S.Paolo), che ebbe a determinare le quote di deperimento delle macchine ruotanti.

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Telefono: 65901 - Telegrammi: "Elettrica" Roma

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Roma (4) li
VIA POLI. 14

N.°

Preghiamo il presidente del comitato di voler cortesemente esaminare quanto sopra esposto e di convocare un'apposita riunione degli interessati per trattare e definire gli argomenti oggetto della presente.

Ringraziando porgiamo distinti saluti.

SOCIETÀ ROMANA DI ELETTRICITÀ
DIREZIONE GENERALE

Telefono Telefonico: 653031 - Telegrammi: "Elettrica" Roma

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