

ACC 211/PWU

10000/150/584

ADV. COMM
SARDINIA
MAR. - MA

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ADV. COMMITTEE ON ELECT. POWER,
SARDINIA
MAR. - MAY 1945

2-11 /PWU

ADV. COMMITTEE ON ELECT. POWER

SARDINIA

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THIS FOLDER
CONTAINS PAPERS
MAR. 45
MAY 45
CATALOGUE.

211

1980

86-12

MINISTERO DELLE CORPORAZIONI

I^o DIVISIONE INDUSTRIA

86-12

Autobus per la periferia di Ferrara
Ferrara

Per la costruzione di autobus per la periferia di Ferrara

26-12
Autobio sent to for further investigation

Ferraro

Subject's at. required. collection. "Branford"

Inter Office Memo

12

2 August 1945

Subject: Advisory Committee on
Electric Power

See: File 1, File 252

503

SARDINIA ELECTRICITY SCHEME

COPY No

Telephone

Rome 489081 - Ext. 317

26 May 1945

ADVISORY COMMITTEE ON ELECTRIC POWER (SARDINIA)M I N U T E S

The third meeting of the Advisory Committee on Electric Power (Sardinia) was held at 1600 hours on Sunday 6 May 1945 in the offices of Società Elettrica Sarda (Cagliari).

Present :

Dr. Eng. T. FIORELLI	- Chairman
Dr. Eng. V. GANDIN	- Member
Dr. Eng. M. MANFREDI	- Member

Eng. Fiorelli informed that he had been appointed chairman to the Committee by Lt. Col. W. N. Lapper (Chief Electrical Division A.C.) in agreement with Mr. Visentini (General Inspector for Electricity, Water and Gas of the Ministry of Public Works).

Eng. Fiorelli expressed his great satisfaction and the hope that Lt. Col. Lapper and some representatives of the Ministry of Public Works be sometimes able to attend to the meetings in order to establish a better connection with central organizations.

Eng. Sanna was absent due to engagement in continental Italy.

12) - Minutes of the meeting held on 26 March 1945

The minutes were approved.

13) - Matters arising from previous minutes

Min. 8) - Supply of material needed for maintenance in hand by Ministry of Public Works.

Min. 9) - Curtailment schedule for emergency situation being prepared by Società Elettrica Sarda.

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Min. 8) - Supply of material needed for maintenance in hand by Ministry of Public Works.

Min. 9) - Curtailment schedule for emergency situation being prepared by Società Elettrica Sarda.

Min. 10) - The matter of supplying Soc. Elettrica Sarda - 5032 one 3 ton truck or a set of 6 tyres to carry on the Flumendosa project in hand by Ministry of Public Works and A.C.

14) - To review progress and make recommendations in connection with the electric power generation and transmission in Sardinia

It was reported that 15 tons of transformer oil have been allotted to Società Elettrica Sarda; 5 tons collected, remaining amount being shipped from the continent. Reaction of S. Caterina steam station transformer No 3 will be possible when total amount of oil is received. Eng. Fiorelli referred to the serious situation in Sardinia, due to

- 2 -

shortage of maintenance material needed for electrical distribution system.

The Committee recommended that lists of material be sent to the Ministry of Public Works--urging that necessary steps be taken to make supplies available. It was reported that the supply of ball-bearings sent by A.C. was lost. A certificate of damage has been received by the ship Commander.

- 15) - Operation programme and allocation of power
 Eng. Fiorelli reported that the hydrological situation is very bad. Total-stored capacity is now 34 millions kWh, including the safe margin; large production of power from steam stations will be needed to meet the island's requirements. Load reduction has already been obtained by disconnecting the Ammonie Works but the general situation remains very serious due to insufficient supply of coal.

The Committee recommended that in view of the demand for coal from the continent steps be taken to increase production of Sulcis Mines.

- 16) - Any other business
 It was reported that supply of coal for Cagliari steam station, which will shortly start operating, had not yet been received due to shortage of coal and rail transport. The Committee agreed the seriousness of rail transport problem and recommended that necessary steps be taken to improve the situation.

- 17) - Date and time of next meeting
 Next meeting will be held at 1630 hours on Monday 28 May 1945 in the offices of Società Elettrica Sarda - Cagliari (Sardinia).


 Dr. Eng. FRANCESCO BARLUZZI
 Secretary to the Committee

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Dr. Eng. FRANCESCO BARLUZZI
Secretary to the Committee

5031

DISTRIBUTIONCopy No

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- 7 - G-5 AFHQ APO 512
- 8 - QM, Coal Section AFHQ
- 9 - C.E., AFHQ - APO 512
- 10/11 - Director of Works (B) AFHQ - CMF
- 12 - Fiscal Director, MTOUSA
- 13 - DMR (Italy) Tn. Increment, CMF
- 14/15 - D.C.C.A.O., 15th Army Group
- 16/17 - Vice President - Economic Section HQ AC
- 18 - Economic Section, HQ AC
- 19 - Economic Section (Att. Mol. L.A. Jenny)
- 20/21 - Industry Sub-Commission HQ AC
- 22 - Industry S/C - Coal Section (Att. Lt. Col. Oxley)
- 23 - Public Relations Br. HQ AC
- 24 - Agriculture Sub-Commission HQ AC
- 25 - Food Sub-Commission HQ AC
- 26 - Labour Sub-Commission HQ AC
- 27 - Trans. Sub-Commission - Products & Works Div. HQ AC
- 28 - Executive Commissioner HQ AC
- 29 - Regional Commissioner Toscana Region
- 30 - (Att. Regional Engineer) Emilia Region
- 31 - Lombardia Region
- 32 - Venezia Region
- 33 - C.S. Taranto
- 34/35 - M.A.A.F. (A)
- 36 - Eng. Section AAFSCO/MTO - APO 528 USA
- 37 - HQ No 1 District
- 38 - C.E. No 3 District
- 39/43 - C.G. - R.A.A.C.
- 44/45 - C.E. - PBS - APO 782 USA
- 46 - Eng. Ser. Southern District PBS - APO 782
- 47/48 - HQ Adriatic Depot - APO 388 USA
- 49 - AFLRS - RAAC - CMF
- 50 - File
- 51/65 - Spares

SARDINIA ELECTRICITY SUPPLY

COPY No. 44

Telephone
Rome 489081 - Ext. 317

15 April 1945

ADVISORY COMMITTEE ON ELECTRIC POWER (SARDINIA)MINUTES

The second meeting of the Advisory Committee on Electric Power (Sardinia) was held at 1600 hrs on Monday 26 March 1945 in the offices of Società Elettrica Sarda - Cagliari.

Present :

Dr. Eng. T. FIORELLI - Acting Chairman
Dr. Eng. V. GANDIN - Member
Dr. Eng. M. MANFREDI - Member

Eng. Fiorelli informed that Lt. Col. W. M. LAPPET (Chairman) and Eng. A. ASTA (Vice-Chairman) had been unable to attend the meeting. Eng. Sanna (member) was also absent due to engagement in the continental Italy.

6) - Minutes of the meeting held on February 23rd 1945

The minutes were approved.

7) - Matters arising

Min. 2) Request of oil for Santa Caterina transformer (12,500 KVA) sent by Sarda Co. to Ministry of Public Works.

Min. 3) The question of Flumendosa project and extension of plant at Tirso in hand by Ministry of Public Works.

Min. 4) A first list of materials urgently needed for 5094

MINUTES

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Present :

Dr. Eng. T. FIORELLI - Acting Chairman
 Dr. Eng. V. GANDIN - Member
 Dr. Eng. M. MANFREDI - Member

Eng. Fiorelli informed that Lt. Col. W. M. LAFER (Chairman) and Eng. A. ASTA (Vice-Chairman) had been unable to attend the meeting. Eng. Sanna (member) was also absent due to engagement in the continental Italy.

6) - Minutes of the meeting held on February 23rd 1945

The minutes were approved.

7) - Matters arising

Min. 2) Request of oil for Santa Caterina transformer (12,500 KVA) sent by Sarda Co. to Ministry of Public Works.

Min. 3) The question of Flumendosa project and extension of plant at Tirsu in hand by Ministry of Public Works.

Min. 4) A first list of materials urgently needed for maintenance of all plants was submitted to Ministry of Public Works. 5029

Min. 4) Request of tires, clothing and boots in hand by Ministry of Public Works and Allied Commission.

8) - To review progress and make recommendations in connection with the electric power generation and transmission in Sardinia

Eng. Fiorelli reviewed the situation of electric plants; total production of energy in 1945 is expected to be no more than 165×10^6 kWh (about 50% from steam stations) due to unfavourable hydrological season and insufficient maintenance of steam stations. Curtailment will be necessary to meet the estimated request of 180×10^6 kWh and

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- 2 -

allow sufficient supply of power to fertilizer factories. The Committee recommended that material needed for maintenance of plant according to the complete list now submitted by Sarda Co. to Ministry of Public Works, be urgently supplied. It was reported that S. Gilla steam station (Cagliari) will probably start operation in May 1945 requiring 170 tons of coal a day.

9) - To discuss the operation programme and the allocation of power for the month of April 1945

The energy production in April will be equally met by hydro and steam stations.

The Committee recommended that Santa Caterina Steam Station be put into operation on the beginning of April in order to limit hydrogeneration thus providing a safe hydraulic reserve.

In view of difficulties of railroad transports for the coal needed at this station the Committee recommended that a curtailment schedule be now prepared in order to meet an emergency situation.

10) - Any other business

It was reported that the shortage of transports is causing serious delay to the work for Flumendosa Station. In January 1945 Sarda Co. was asked to return one military truck. Local transport organizations are unable to meet the Company requirements and one truck, owned by Sarda Co. is short of tires.

The Committee recommended that one truck (3 tons) or a set of 6 tires be supplied to the Company in order to carry on the Flumendosa project.

11) - Date and time of next meeting

Next meeting will be held in the offices of Società Elettrica Sarda at 1600 hours on Monday 23rd April 1945.

M. B. B.

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11) - Date and time of next meeting

Next meeting will be held in the offices of Società Elettrica Sarda at 1600 hours on Monday 23rd April 1945.

Dr. Eng. Francesco Barluzzi
Dr. Eng. FRANCESCO BARLUZZI

Secretary to the Committee

5028

Distribution
list attached

DISTRIBUTIONCopy No

- 1 - C.A.O., AFHQ
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- 6 - G-4 (B) AFHQ
- 7 - QM, Coal Section, AFHQ
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- 24 - Labour Sub-Commission HQ AC
- 25 - Trans. Sub-Commission - Products & Works Div. HQ AC
- 26 - Executive Commissioner HQ AC
- 27 - Regional Commissioner Umbria-Marche Region
- 28 - (Att Reg. Engineer) Toscana Region
- 29 - Emilia Region
- 30 - Lombardia Region
- 31 - Venezia Region
- 32 - C.S., Taranto
- 33/34 - M.A.A.F. (A)
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- 45 - Eng. Ser. Southern District PBS - APO 782
- 46/47 - HQ Adriatic Depot - APO 388 USA
- 48 - AFLRS - RAAC - CMF
- 49 - File
- 50/65 - Spares

Tel. 489081

Ext. 317.

HEADQUARTERS ALLIED COMMISSION

WML/cc

APO 394

Public Works and Utilities Sub-Commission

238 /PWU.

23 Apr 45.

SUBJECT: Advisory Committee on Electric
Power (Sardinia)

TO : Eng. Tommaso FIORELLI,
Director "Società Elettrica Sarda",
Piazza Doffenu, CAGLIARI

1. With reference to the meetings of the Advisory Committee on Electric Power I am sure you will understand when I tell you that conditions at the present time make it impossible for Eng. Asta or myself to attend at the meetings of the Committee in Sicily or Sardinia.
2. Both the Ministry of Public Works and ourselves are, however, most anxious that the Advisory Committee on Electric Power in Sicily and Sardinia shall continue to have regular meetings and make recommendations to the Ministry in connection with any matters dealing with the supply of electric power.
3. Will you please be good enough to accept the position of chairman of the Advisory Committee on Electric Power for Sardinia and make the necessary arrangements for minutes of the meetings to be submitted to the Ministry of Public Works for the attention of Eng. Asta. Eng. Asta will arrange for a copy of these minutes to be passed to me.
4. It is suggested that the meetings be held to suit your convenience and it is thought that for the present a meeting be held approximately each month.
5. You are at liberty to recommend to the Ministry of Public Works any additional engineers whom you consider may be helpful for appointment to the Committee.
6. May I take this opportunity of wishing the Committee every success and I would assure them that the minutes of their meetings will be given every attention and action will be taken

on all recommendations so far as lies within our power.

7. Will you please advise me regarding your acceptance of chairman to the Committee.

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

- 2 -

5025

SARDINIA ELECTRICITY SCHEME
ADVISORY COMMITTEE ON ELECTRIC POWER
(SARDINIA)

*File
Elect
Sardinia
work*
052
Cagliari - March 6th 45.

Report on Flumendosa plant.

Present power availability in Sardinia, considering the conditions of electric generating facilities, is as follows:

Coghinas	13000 KW
Tirso (1st & 2nd stage)	16,000 KW
S. Caterina	9,000 KW
S. Gilla (Cagliari)	7,000 KW

TOTAL 45000 KW

including the safe margin of capacity to allow for plant maintenance and eventual outages.

Power output in winter season may be assumed as 29,000 KW from hydrostations only, due to inflow into the lakes, which allows stations maintenance during this period.

Despite of the reduced activity of mining industry; the above output is only sufficient to meet present requirements.

Power generation in 1942 was as follows:

240x10⁶ KWh
45,000 KW (5,000 d.c.)

It is now anticipated that mines will shortly resume their activity; therefore if their requirement will be as high as 1942, the requested output throughout Sardinia will be larger than 1942, due to increased needs in other branches.

Present day available capacity will in this case be insufficient so that, in order to meet future developments it is now necessary to do everything possible to keep all machinery in good conditions.

A far better situation could be obtained by completion of the Flumendosa Plant (45,000 KW installed capacity - 120. 10⁶ KWh per year); three main problems are:

- 1) Machinery: 90% of machinery was ready in Northern Italy at the date of the armistice. It is now hoped that, due to difficulties of transport and war action against road communications, most of the plant may be found in the factories. It must be considered

that penstocks, turbines and generators were specially designed for the Flumendosa stations and could not be utilized elsewhere.

- 2) Cement and cement transport : 60% of civil engineering works are completed; dam at Bau Muggeris is still at an early stage and a large amount of cement is needed.

Total requirement of cement may be estimated 40,000 tons and could be met by Sardinia Cement factories (production 100,000 tons per year).

Difficulties will be found for transport of cement; this could be made by railways (Cagliari-Villagrande) ^{or partly by ship (Cagliari-Arbatax)} ~~to Arbatax~~ and partly by railways (Arbatax to Villagrande) or by trucks (Arbatax to Workshops). This last solution would be of great advantage for the 2nd and 3rd stage plants.

Following are the requirements to carry out the above program:

- a) To supply the Ferrovie Complementari with sufficient means to make a revision of their material.
- b) To supply Railways with coal and lubricating oil.
- c) To supply Società Elettrica Sarda with at least 4 trucks (16 tons) for transports from railroad station (or from the port) to the workshops.

- 3) Financing The Flumendosa project was started by means of a Government allowance of about 50% of total cost (1940 cost). This allowance should be now referred to present day costs in order that the Company be able to complete the works.

Minor problems will be met particularly for the completion and the improvement of the inland railways in order to supply stone and sand.

Masonry works may be carried out by means of local manpower (gallery works are almost completed); assistance will be needed by the Company for food, boots and clothing.

Materials will be also be needed to operate the Company's workshops (lubricating oil, fuel, iron, timber a.s.o.).

The time required to complete all works, depends on the rate at which cement will be supplied assuming that the machinery is available.

Most of the time will be spent to complete the dam at Bau Muggers.

It is believed that a monthly supply of 2000 tons of cement could be obtained by means of ship and railways transports so that a period of 20 months would be sufficient to complete all works.

It is now pointed out that the generating station could be operated as soon as the main dam will permit a sufficient storage to feed into the 1st stage, (that is, before the completion).

Generation could then be started about 12 months after the works, have been resumed utilizing the natural flow of rivers.

Ing. Tommaso Fiorelli
Cagliari



Cagliari, 22 Marzo 1945

HEADQUARTERS ALLIED COMMISSION
PUBLIC WORKS AND UTILITIES SUB-COMMISSION
APO 394

R O M A

all'Attenzione del Colonn. W.M. LAPPER

Ringrazio della comunicazione di cui alla lettera 14 marzo 945⁽²⁾ e dichiaro di accettare la nomina a membro del Comitato Consultivo Energia Elettrica per la Sardegna.

Distinti saluti.

Ing. Tommaso Fiorelli

(Ing. Tommaso Fiorelli)

5021



SEZIONE AUTONOMA DEL GENIO CIVILE
PER IL SERVIZIO IDROGRAFICO
SEDE DI CAGLIARI

L'INGEGNERE DIRETTORE

RECEIVED
P.W. & U. - C.A.C.
4 APR 1945 238

Cagliari 22 Marzo 1945

Spett. SUB-COMMISSIONE LAVORI PUBBLICI E SERVIZI
DI PUBBLICA UTILITA' . DIVISIONE ELETTRICA

R O M A

2
Nell'accusare ricevuta della nota relativa al Comitato
Consultivo Servizi Elettrici, mentre con la presente
dò la mia accettazione alla nomina a membro della Com-
missione Consultiva dei Servizi Elettrici per la Sarde-
gna, ringrazio vivamente per la designazione stessa che
mi permetterà di collaborare per la rinascita del nostro
Paese.

Ing. MANFREDI MANFREDO

5020

SOCIETÀ ELETTRICA SARDA

SOCIETÀ PER AZIONI - SEDE IN ROMA

Capitale L. 192.575.000

DIREZION

Cagliari, 22 Marzo 1945

5

DA CITARE NELLA RISPOSTA

VB/ld/321/

HEADQUARTERS ALLIED COMMISSION
PUBLIC WORKS AND UTILITIES SUB-COMMISSIONAPO 394 - R O M Aall'Attenzione del Colonn. W.M. LAPPER

Ringrazio della comunicazione di cui alla lettera 14 marzo 1945
e dichiaro di accettare la nomina a membro del Comitato Consultivo Energia
Elettrica per la Sardegna.

Distinti saluti.



(Ing. Vittorio Gandini) 54/14

RECEIVED
P.W. & U. S/C A.C.

- 2 APR 1945 238

VISI:

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Mod. 241 d - 7/43 - 10/509

Telegrammi: ELETTRISARDA Cagliari - Corrispondenza: Facoltà Portale 132
 Telefoni: Direzione 2434 - Uffici 3501 - 3502 - 3503

Tel. 489081
Ext. 317.

WML/gg
4

HEADQUARTERS ALLIED COMMISSION
APO 394

Public Works and Utilities Sub-Commission

238/PWU.

22 March 1945

SUBJECT: Advisory Committee on Electric
Power (Sardinia)

TO : Mr. Tommaso Fiorelli, Director
Società Elettrica Sarda,
Cagliari

1. Confirming cable sent you to-day I regret that owing to pressure of work Eng. Asta and I will be unable to attend the meeting of the Advisory Committee on Electric Power (Sardinia) which will be held at your office on 26 March 1945.

2. I shall be glad, therefore, if you will act as Chairman in my absence and forward minutes of the meeting to Ministry of Public Works for the attention of Eng. Asta.

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

5018

file
3

SOCIETA ELETTRICA SARDA CAGLIARI FOR PIGNELLI

4034

22 March

ROUTINE

IN CLEAR PD

SUBJECT TO MEETING PD

PAREN TO CAGLIARI FOR SOCIETA ELETTRICA SARDA FOR PIGNELLI FROM
HD ALCON SITE ACFTD PAREN

PARA ONE PD ENGINEER ASTA AND COLONEL LAFER UNABLE ATTEND
ADVISORY COMMITTEE SARDINIA TWENTY SIX MARCH CMA WILL YOU
PLEASE BE CHAIRMAN AND SEND MINUTES TO MINISTRY PUBLIC WORKS
ATTENTION ENGINEER ASTA

PUBLIC WORKS

317

5017

FILE

Tel. 489084
Ext. 317
Reference : 235/U
Subject : Advisory Committee on
Electric Power
To : Dr. Eng. FIORELLI (1)
Dr. Eng. GANDINI (5)
Dr. Eng. SANNA
Dr. Eng. MANFREDI (6)

Reference : 235/U
14 March 1945

Subject : Advisory Committee on
Electric Power

To : Dr. Eng. FIORELLI (1)
Dr. Eng. GANDINI (5)
Dr. Eng. SANNA
Dr. Eng. MANFREDI (6)

- 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 Electricity and 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

33/ac

TO : Dr. Eng. FIORELLI
 Dr. Eng. GANDINI
 Dr. Eng. SANNA
 Dr. Eng. MANFREDI

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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 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 Sardinia. The appointment is for the period of three years terminating at 31st December 1947.

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+ 2 -

- 5) - The meetings of the Committee will be held on the fourth 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. H. Safford

W. H. SAFFORD
Lt.-Colonel
Chief Elec. Div.

cc : File 136
237
238

COPY No 24SARDINIA ELECTRICITY SOURCE

Telephone

Rome 489081 - Ext. 317

9 March 1945

ADVISORY COMMITTEE ON ELECTRIC POWER
(SARDINIA)MINUTES

The 1st meeting of the Advisory Committee on Electric Power (Sardinia) was held in the offices of Società Elettrica Sarda in Cagliari, at 1000 hours on Friday 23rd February 1945.

Present :

Lt.Col. W. J. LATTER	- Chairman
Prof. Eng. A. ASTA	- Vice Chairman
Dr. Eng. PIORRELLI	- Member
Dr. Eng. V. GARDIN	- "
Dr. Eng. SANNA	- "
Dr. Eng. M. FANTUZZI	- "
Dr. Eng. F. BARIUZZI	- Secretary

1) - Explanations by Lt.Col. W. J. LATTER on the functions and purpose of the Committee

Lt.Col. W. J. LATTER explained that the General Inspector for Electricity, Water and Gas of Ministry of Public Works and the Allied Commission had considered that it was now necessary that a much closer contact should be made between the Electric Power Companies, the Italian

ADVISORY COMMITTEE ON ELECTRIC POWER
(SARDINIA)

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Prof. Eng. A. ASTA	- Vice Chairman
Dr. Eng. PIOTELLI	- Member
Dr. Eng. V. GALLI	- "
Dr. Eng. SARTI	- "
Dr. Eng. M. A. MURRI	- "
Dr. Eng. F. BARLUCCI	- Secretary

1) - Explanations by It. Col. M. L. Lappner on the functions and purpose of the Committee

It. Col. M. L. LAPPNER explained that the General Inspector for Electricity, Water and Gas of Ministry of Public Works and the Allied Commission had considered that it was now necessary that a much closer contact should be made between the Electric Power Companies, the Italian Government and the Allied Commission. In order to achieve this it had been decided to form Regional Committees to be known as "Advisory Committees on Electric Power". Such Committees were being formed for Central Italy, Southern Italy, Sicily and Sardinia. Representatives would be drawn from the Regional Committees to form a National Committee.

The function of the Committee were to recommend and advise the General Inspector for Electricity, Water and Gas of the Ministry of Public Works on all matters pertaining to electric power throughout peninsular Italy, Sicily and Sardinia and for this purpose members would express their own views and not that of any particular Company with which they were connected.

- 2 -

- 2) - To review progress and make recommendations in connection with the rehabilitation of the generating plants and transmission systems

The progress in rehabilitation of plants and transmission systems of Società Elettrica Sarda was reviewed by Eng. Fiorelli. Following air raids the dams of Tirso I and Tirso II were damaged but necessary repairs have already been carried out.

Damages were reported at S. Caterina steam station where one boiler and one 12,500 kVA transformer are out of service. The transformer was repaired but is still short of oil. One turbo generator shipped to Sarda Company from North Italy was reported to be in Leghorn at the date of the armistice. It is now known that this plant is not in Liberated Italy.

The out-door substation was also bombed and switches and other equipment were damaged. Repairs have been carried out but must be only considered as a temporary emergency arrangement.

Minor damages were also reported in the transmission systems and substations; emergency repairs have already been made.

The Committee recommended that Sarda Company submit a request for oil in order to restore the 12,500 kVA transformer as stand-by unit at S. Caterina.

The generating station of Monteponi zinc and lead mines (2 units 4,000 kW each) is not operating due to shortage of coal and chemical reactives used in extraction process.

- 3) - To discuss the operation programme and the allocation of power for the month of March 1945

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The maximum output obtainable at present from hydro stations is as follows:

	12,000 kW from Coghinas
	10,000 " " Tirso I
	4,000 " " Tirso II
TOTAL	26,000 kW
	=====

In addition to this, the S. Caterina steam station has two 9,000 kW units and S. Gilla two 7,500 kW units.

The Committee considered that, during the month of March, the hydro-electric production will be sufficient to meet the requirements of the island; the steam stations will only be run in case of outages.

The estimated production of energy in 1945 is 180 millions kWh (against 240 in 1942 and 130 in 1944) due to reduced operation of mines and chemical factories.

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- 3 -

In 1942 the maximum demand was 45,000 kW whereas the present maximum demand is approximately 26,000 kW.

If it were decided to activate the coal and lead mines and subsidiary works, the present demand would increase to the 1942 figure of 45,000 kW.

Allowing the normal increase in demand for electricity the Committee was of the opinion that the present generating facilities would be insufficient to meet the demand in two years time and recommended that the Flumendosa project should be commenced at an early date. It was understood that the civil engineering works were 60% completed and that generating plants had been manufactured in Northern Italy prior to hostilities.

A considerable amount of transmission equipment was available on the island.

The Committee recommended that as a first stage a fourth unit would be installed at the Tirso I hydro station at an early date.

4) - any other business

The Committee recommended that in view of the possibility of increased demand of electricity on the island, due to activity of mines, etc. special care be taken to see that all generating stations are fully maintained, and that supplies of material be delivered for this purpose.

The Committee also recommended that necessary steps be taken to provide tyres, shoes and clothing.

5) - Date and time of next meeting

Next meeting will be held at 1000 hours on Monday 26th March 1945.

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Secretary Advisory Committee

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Dr. Eng. FRANCESCO BARIUZZI
Secretary Advisory Committee

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