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051/PWU

10000/150/3
(VOL. 3)

10000/150/3
(VOL. 3)

ELECTRICITY ITALY
OCT. 1944 - AUG. 1946

AC/051/PWU
ITALY

ELECTRICITY

051/PWU

ELECTRICITY ITALY

Volume 3

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3 OPENED: 30 Oct. 44
 CLOSED: 19 Aug. 46

OPENED: 30 Oct. 44
CLOSED: 19 May 46

Col. Kupper 44
Col. Jerny 87
Col. Kupper
Col. La

Author: _____
Initials _____
Branch _____
Date: 10000 154 3

**THIS FOLDER
CONTAINS PAPERS
FROM OCT. 44
TO AUG. 46.
CATALOGUE.**

051

613

MINISTERO DELLE CORPORAZIONI



DIREZIONE GENERALE DELL'INDUSTRIA

UFFICIO STUDI E RICERCHE

**BOLLETTINO SETTIMANALE
DEI PREZZI E DEI CAMBI**



**BOLLETTINO SETTIMANALE
DEI PREZZI E DEI CAMBI**



Roma,

G. SACCOONE ROMA

HEADQUARTERS ALLIED COMMISSION
APO 794
INDUSTRY AND UTILITIES BRANCH

Tel. 489081 - Ext. 103

TGE/utp


Ref. ⁰⁵¹~~28~~/280

19 August 1946

SUBJECT : Power Supply to Peroni Brewery
Rome.

TO : President M. Visentini
Central Commission
Ministry of Public Works
Porta Pia - Rome.

1. We are in receipt of a letter from NAAMI (Navy, Army and Airforce Institute) asking that a continuous supply of electric power be granted to the Peroni Brewery which is operating for the Allied Forces.
2. This letter points out the considerable difficulties that they have at the Brewery, and consequent danger of considerable waste due to power being stopped up to 4 hours daily. This might eventually result in a failure to meet the British Forces requirements.
3. We wish to bring this matter to your attention and it would be appreciated if arrangements can be made to ensure continuity of service.


P.G. ELLIOTT
Major, C.E.
Industry & Util. Br.

685

LEI/co

051/pwa

HEADQUARTERS ALLIED COMMISSION
APO 794
Economic Section

22 July 1946

Ref: ES/18.06

SUBJECT: Fratelli Averna & Nipoti - Catania, Italy

TO : Mr. M. Hammond
Commercial Section
U. S. Embassy

1. The above company has been organized for the purpose of developing a hydro project near Catania and two members of the company, Salvatore Averna and Vincenzo Averna, are stated in the attached letter to be American citizens living at 913 Serril Ave., Philadelphia, Pennsylvania.

2. The enclosed letter requests that this matter be brought to the attention of the American Consular authorities, in view of the American interests involved, and is accordingly being forwarded to you for such further action as is required.

G. W. WALTON
Colonel, A.G.
Acting Vice President

5 Enclosures: Letter dated 3 July 1946, from Fratelli Averna & Nipoti to A.G. (English translation)

Two copies of Certificato No. 30971 di Repertorio

One copy of Costituzione di Società, no. 3916 Repertorio

One copy of Illustrissimi signori Presidente e Giudici del Tribunale di Catania

Copy of acknowledgement to Fratelli Averna & Nipoti

TRANSLATION

FROM: Foundation Italo-Americana Company
 "Fratelli Averna & Nipoti"
 for utilization water-falls. - Catania -

TO: President of Allied Commission - Rome -

THEIR FILE NO: Catania 9 July 1946

SUBJECT: Foundation Italo-Americana Company
 "Fratelli Averna & Nipoti" for
 utilization water-falls.

We wish to inform the Allied Commission that today, 9th July 1946, the above-named Italo-American Company has been founded for the purpose of utilizing the water-falls located in the Difesa e Bronte district of Bronte (Catania) on property owned by Averna Vincenzo (paternity - Salvatore) and sons Salvatore and Vincenzo, members of the Company, American citizens, domiciled in Yeadon Pa, 913 Serril Ave., Philadelphia.

The falls in question are approximately 3,000 feet high and the volume of water it is intended to utilize is approximately 30 cubic feet per second. Enclosed, for your reference, is a legal copy of the deed.

We should be grateful if you would see that our Company is given the necessary protection by the Consular Authorities to prevent any interference in the management of its American capital, which, for purely fiscal purposes, has been reported as 100,000 lire, but which in reality is considerably greater.

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Yours respectfully,

Delegate Councillor
 (Sec. Giuseppe Averna)

051/pvu

IBL/ce

HEADQUARTERS ALLIED COMMISSION
APO 794
Securities Section

Ref: ES/1806

22 July 1946

SUBJECT: Corporation Documents

TO : **Sao. Giuseppe Averna**
Il Consigliere Delegato
Fratelli Averna & Pipoti
Via Vitt. Emanuele, 318
Catania, Sicily

1. This acknowledges your letter dated 9 July 1946 enclosing the following documents:

- 2 copies of Certificato No. 30771 di Repertorio
- 1 copy of Costituzione di Societa, no. 3916 Repertorio
- 1 copy of Illustrissimi signori Presidente e Giudici del Tribunale di Catania

2. Your letter and the above documents are being referred to the American Embassy in Rome for their attention.

(Signed)

CHARLES W. WALTON
Colonel, A.C.

Acting Vice President
C. W. WALTON
Colonel, A.C.
Acting Vice President

File

LFI/cc

HEADQUARTERS ALLIED COMMISSION
AFO 794
Industry and Utilities Branch

051/PWU

29 July 1946

SUBJECT: Electric Power Situation

TO : Acting Vice President
Economic Section

1. At the meeting of the Central Commission for Rationing and Control of Electric Power, held 29 July 1946 at the Ministry of Public Works, consideration was given to power availability for the month of August 1946 for Central and Southern Italy.

2. In view of the drought conditions which are now adversely affecting the stream flow plants, the Commission has found it necessary to order the utility companies to effect a reduction in power consumption by 13% below the June allocations for the month of August 1946. The estimated requirements were 235,600,000 against an availability of 204,600,000 leaving a deficit of 31,000,000.

3. Accordingly, a formal announcement will be made in the papers on Tuesday that all industrial customers in Central and Southern Italy must reduce their power requirements by 15% starting 29 July. Reduction in use by residential and small commercial consumers will be accomplished by periodic disconnection:

In the city of Rome the reduction in residential and small commercial consumers will be accomplished by dividing the area into 6 parts. Each part will be disconnected from service for a regularly scheduled period of 4 hours each day. The scheduled periods for each area will be changed each week.

4. Services that will be exempted are:

Electric traction
Hospitals
Water systems
Important food industries.

5. It is the general opinion of the Committee that this reduction will have to be continued until adequate rainfall resumes or until the latter part of November when the heavy rains normally begin.

681

2--

6. The curtailment which is necessary at this time is to conserve kilowatt hours. The curtailment which will be necessary during the fall of 1946 and the winter of 1947 will be for peak load reduction.

LOUIS W. LAUGHLIN
Major, C.E.
Acting Deputy Director

689

Tel. 4890B1
Ext. 317

LWL/mc

HEADQUARTERS ALLIED COMMISSION
APO 794
Industry and Utilities Branch

Inter-Office Memorandum

14 June 1946

REF. : 051/PWU
SUBJECT : Electric Power Rehabilitation Italy.
TO : Acting Vice President
Economic Section.
FROM : Utilities Division.

1. The following sets forth the position with respect to the rehabilitation of Electric Power systems of the Islands and the mainland of Italy from the date of liberation to 31 Dec. 1945.

The data is set up by areas in order to reflect the degree of damage and repairs completed as some areas were more severely affected than others.

The date of liberation is the approximate date on which the particular area was liberated.

The data on generating plants covers approximately 90% of the facilities of Italy. The remaining 10% consists of plants of 2000 KW and smaller and small isolated and privately owned plants not connected to any transmission grids. Neither are electric plants installed in industrial plants included whose output is entirely utilized by the particular industry.

The generating plants and transmission line facilities of the Italian State Railways are included since they are inter-connected with the grid systems.

2. The area "Southern Italy", used below, comprises the mainland beginning at approximately the Volturno and Biferno rivers and extending south to the toe of Italy. "Central Italy" comprises the area from the Volturno and Biferno rivers north to a line across Italy approximately half way between Florence and Bologna excepting the Pescara River plants which are included in Southern Italy since most of their output was utilized there.

The area above the later line is considered Northern Italy.

3. GENERATING FACILITIES (KW name plate rating)

<u>UTILITIES</u>	<u>Prewar Capacity</u>	<u>Capacity available on liberation Percent</u>	<u>Capacity available 31 Dec. 1945 Percent</u>	<u>Unrepaired capacity Percent</u>
Sardinia	88,000	79%	79%	21%
Sicily	86,900	44%	62%	38%
Southern Italy	409,500	42%	63%	37%
Central Italy	935,850	11%	41%	59%
Northern Italy	4,228,550	88%	95%	5%
<u>SUB. TOTAL UTILITIES</u>	<u>5,749,600</u>	<u>72%</u>	<u>83%</u>	<u>17%</u>
I State RR	242,500	57%	58%	42%
<u>TOTAL ITALY</u>	<u>5,992,100</u>	<u>71%</u>	<u>82%</u>	<u>18%</u>

4. TRANSMISSION LINES

The following data pertains to transmission lines of 30,000 volts and above and stated in KM.

<u>UTILITIES</u>	<u>Prewar length KM</u>	<u>Available on liberation Percent</u>	<u>Available 31 Dec. 1945 Percent</u>	<u>Unrepaired Percent</u>
Sardinia	757	100%	100%	none
Sicily	700	62%	100%	none
Southern Italy	3,446	63%	82%	18%
Central Italy	6,686	11%	84%	16%
Northern Italy	23,041	65%	95%	5%
SUB. TOTAL UTILITIES	34,630	55%	91%	9%
I State RR (Est)	11,312 (Est)	41% (Est)	86% (Est)	14% (Est)
TOTAL ITALY	45,942	52%	90%	10%

Note: Above data on I. State Railways transmission lines is estimated due to accurate information not yet being available. Can be considered reasonably accurate.

5. SUBSTATIONS

The following data pertains to substations of 30,000 volts primary voltage and higher. Ratings are in thousands of KVA.

<u>UTILITIES</u>	<u>Prewar capacity 1000 of KVA</u>	<u>Available on liberation Percent</u>	<u>Available 31 Dec. 1945 Percent</u>	<u>Unrepaired Percent</u>
Sardinia	87	76%	86%	14%
Sicily	113	84%	91%	9%
Southern Italy	1,304	53%	65%	35%
Central Italy	2,753	20%	45%	55%
Northern Italy	11,897	88%	94%	6%
SUB. TOTAL UTILITIES	16,154	73%	84%	16%
I State RR	1,057	33%	36%	64%
TOTAL ITALY	17,211	71%	81%	67%

6. COMPLETION OF REHABILITATION

Based on the present plans of the utility companies, and barring delays, the rehabilitation of generating plants, which are to be restored, will be accomplished in the various areas about as follows:-

Sardinia	By the end of 1946
Sicily	" " " " 1947
Southern Italy	" " " " 1947
Central Italy	" " " " 1947
Northern Italy	" " " " 1946
I. State R.R.	" " " " 1948

7. The rehabilitation of substations and transmission lines will keep pace with and will be completed in about the same order as above.

L.W. LAUGHLIN,
Major, C.E.,
A/Dep. Director.

676

051/Pwr

HEADQUARTERS
 RUNWAY ENGINEER GROUP
 APO 782 US ARMY

George W. Bennett
 31 May 1946

SUBJECT: Electric Power for Runway Group Airfield, Foggia, Italy

TO : Central Commission for the Control and Utilization of Electric Power
 Ministry of Public Works, Rome, Italy
 (Attn: Eng. M. Visentini)

1. Confirming verbal request made at the meeting of the Commission held on 28 May, please consider this as a formal request for the following quantities of power:

- (a) Capacity sufficient to meet the peak demand of 1200 KW.
- (b) Approximately 345,600 KWH. per month.

2. Service is to be made available on 1 September 1946.

3. Service will be furnished from the system of the S.G.P.E. Co. in the vicinity of Foggia.

4. Acknowledgment of this letter is requested indicating that required power will be allocated.

GEORGE W. BENNETT
 Col. GE
 Deputy Engineer Officer

Copies furnished:
 Industry and Utility Branch ✓
 Allied Commission
 Utility Division
 APO 394 US Army

Societa Generale Pugliese D. Elettricita
 Via G. Suppa N. 5 Bari, Italy

S.M.E. Company
 Via Imbriani, Naples, Italy

John Laughlin

ITALIAN SUPERPOWER CORPORATION

(OF DELAWARE)

ONE EXCHANGE PLACE

~~NEW JERSEY CITY 27, N.J.~~

100 WEST 10TH STREET
WILMINGTON, DELAWARE

*File
051/PWU*

May 17, 1946

Mr. Charles A. Livengood
The Foreign Service of the
United States of America
American Embassy
Rome, Italy.

Dear Mr. Livengood:

We acknowledge with thanks your letter of April 29, 1946 and its enclosure of a Report on Electric Power Situation in Italy, prepared by Mr. A.H. Sullivan, Public Works and Utilities Sub-Commission, Allied Commission.

We have found Mr. Sullivan's report most informative and helpful and are very appreciative of the assistance rendered to us through this report by Mr. Sullivan and yourself.

Very truly yours,

B.H. Brewster,
Treasurer

BHB:Q

Copy for Mr. Sullivan

676

Tel: 489081
Ext: 317

LWI/cc

1/8e
104

HEADQUARTERS ALLIED COMMISSION
APO 794
Industry and Utilities Branch

FWU/051

10 May 1946

SUBJECT: Connection to Power Line for Amendola Airfield

TO : Headquarters Runway Engineer Group
APO 782, U.S. Army
(Attn: George W. Bennett, Colonel, C.E.
Deputy Engineer Officer)

1. Reference your letter 29 April 1946.
2. In answer to the question raised in para 3 of your letter, we are enclosing a copy of our letter dated 3 May, reference FWU/051 directed to Headquarters, Naples Air Forces General Depot, which sets forth the general policy of the power companies with respect to the cost of 30,000 volt installations to serve large consumers.
3. In this case, since the installation is for the primary use of the airfield, it should be considered as an integral part of the field and the cost of installation should be borne by the consumer.

LOUIS W. LAUSHLIN
Major, C.E.
Acting Deputy Director

cc: PBS, Ighorn
Engineering Section
(Attn: Capt. Nash)

Headquarters
Naples Air Forces General Depot
APO 528, U.S. Army
(Attn: Capt. Robert L. Mason)

Enclosure - letter dated 3 May from Allied Commission, Rome to Hqts.
Naples Air Forces General Depot, APO 528, file ref. FWU/051.

COPY

HEADQUARTERS
PUNJAB ENGINEER GROUP
APO 782 U.S. ARMY

29 April 1946

TO: Allied Commission, Industrial and Utility Branch, Utility
Division, APO 394, U.S. Army

SUBJECT: Connection to Power Line for Amendola Airfield.

1. The electrical load on the project now under way at the Amendola Airfield will amount to approximately 2000 KVA. There is at the present time a 30 KV line that passes through the limits of this field, which can be used for the source of electrical power.

2. It is desired to tap in on this 30 KV transmission line, reducing the voltage to 9 K.V.. In order to accomplish this, necessary equipment, such as transformers, switchboard and gear will have to be installed, as well as a power-house built to house this equipment.

3. It is requested by this Headquarters for a ruling, as to whether the local Power Company is to pay for the cost of installing equipment necessary to reduce the voltage from 30 K.V. to 9 K.V., or whether the U.S. Government is to pay for the cost of this part of the construction.

GEORGE W. BENNETT
Colonel, U.S.
Deputy Engineer Officer.

672

Tel: 189061
Ext: 317

ARMY

GFT/LM/ec

HEADQUARTERS ALLIED COMMISSION
APO 794
Industry and Utilities Branch

3 May 1946

FRU/051

SUBJECT: Request for Electric Power

TO : Headquarters
Naples Air Forces General Depot
APO 523, U.S. Army
(Attn: Capt. Robert L. Mason)

1. Reference is made to your letter 22 April 1946, file AG 463.1, asking for allocation of 2,000 KW of electric power for project "Runway" in the province of Puglia.

2. It is the understanding of this office that the Engineering Department of P.S.S. is handling the construction at the above project, including that of electrical facilities for power supply. P.S.S. engineers have asked this office for an opinion regarding the responsibility for installation of necessary transformers for handling the 30,000 volt power supply which will be furnished by the local electric power company.

3. The Central Commission for Control of Electric Power, Italian Government meets in Rome once a month for the purpose of approving power allocations. Members of Allied Military Agencies sit with this Commission in an advisory capacity. Capt. Nash, P.S.S. Leghorn, represents the American military interests on this Commission.

4. When Lt. Nichols, P.S.S. engineer from project "Runway", visited this office on 26 April he brought up the question of power supply and transformer installation. He was advised to make his request for the power supply through P.S.S. Leghorn. He was further advised that the installation of the necessary transformers and switch gears would probably be the responsibility of the American authorities and not a service to be furnished by the power company. The transformers and switch gears would then become an integral part of the airport property.

5. It is the general custom in Italy for the electric power companies to supply energy at 90,000 volts to the premises of large consumers and the consumer provides necessary transformer and switch gear for the transformation and distribution of the power. This arrangement is the rule rather than the exception throughout Italy.

GEORGE F. PARKER
Colonel, Infantry
Deputy Director

cc: PEG, Leghorn
Engineering Section
(Attn: Capt. Nash
Lt. Nichols)

Also copy of letter dated 22 April 1946, ISLAND, File AG 463.1

1002.

103

HEADQUARTERS
RUNWAY ENGINEER GROUP
APO 782 U.S. ARMY

29 April 1946

TO : Allied Commission, Industrial and Utility Branch, Utility
Division, APO 394. U.S. Army.

SUBJECT: Connection to Power Line for Amendola Airfield.

1. The electrical load on the project now under way at the Amendola Airfield will amount to approximately 2000 KVA. There is at the present time a 30 KV line that passes through the limits of this field, which can be used for the source of electrical power.

2. It is desired to tap in on this 30 KV transmission line, reducing the voltage to 9 K.V., In order to accomplish this, necessary equipment, such as transformers, switch board and gear will have to be installed, as well as a power-house built to house this equipment.

3. It is requested by this Headquarters for a ruling, as to whether the local Power Company is to pay for the cost of installing equipment necessary to reduce the voltage from 30 K.V. to 9 K.V., or whether the U.S. Government is to pay for the cost of this part of the construction.

George W. Bennett

GEORGE W. BENNETT
Colonel. CE
Deputy Engineer Officer.

INDUSTRY & UTILITIES S/O
- 9 MAY 1946
[Signature]

Tel: 489081
Ext: 317

File

LWL/cc

HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Branch

102

23 April 1946

SUBJECT: Electric Service Contract - Cemetery at Nettuno

TO : Engineering Section
Rome Area Allied Command
45 Via del Mare
(Attn: Capt. Morrison)

1. Attached contract form was directed to this office
in error and is being forwarded to you for necessary action.

GEORGE F. PARKER
Colonel, Infantry
Deputy Director

3 Enclosures - Contract form and correspondence for electric
service of Cemetery at Nettuno.

668

Tel: 489081
Ext: 317

File
GFP/151/cc
101

HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Branch

FFG/051

3 May 1946

SUBJECT: Request for Electric Power

TO : Headquarters
Naples Air Forces General Depot
APO 528, U.S. Army
(Attn: Capt. Robert L. Mason)

1. Reference is made to your letter 22 April 1946, file AG 463.1, asking for allocation of 2,000 KW of electric power for project "Runway" in the province of Puglia.

2. It is the understanding of this office that the Engineering Department of P.B.S. is handling the construction at the above project, including that of electrical facilities for power supply. P.B.S. engineers have asked this office for an opinion regarding the responsibility for installation of necessary transformers for handling the 30,000 volt power supply which will be furnished by the local electric power company.

3. The Central Commission for Control of Electric Power, Italian Government meets in Rome once a month for the purpose of approving power allocations. Members of Allied Military Agencies sit with this Commission in an advisory capacity. Capt. Nash, P.B.S. Leghorn, represents the American military interests on this Commission.

4. When Lt. Nichols, P.B.S. engineer from project "Runway", visited this office on 26 April he brought up the question of power supply and transformer installation. He was advised to make his request for the power supply through P.B.S. Leghorn. He was further advised that the installation of the necessary transformers and switch gears would probably be the responsibility of the American authorities and not a service to be furnished by the power company. The transformers and switch gears would then become an integral part of the airport property.

5. It is the general custom in Italy for the electric power companies to supply energy at 30,000 volts to the premises of large consumers and the consumer provides necessary transformer and switch gear for the transformation and distribution of the power. This arrangement is the rule rather than the exception throughout Italy.

GEORGE F. PARKER
Colonel, Infantry
Deputy Director

cc: FBS, Lghorn
Engineering Section
(Attn: Capt. Nash
Lt. Nichols)
also copy of letter dated 22 April 1946, HMAFGD, file AG 463.1

HEADQUARTERS
NAPLES AIR FORCES GENERAL DEPOT
APO 528 US ARMY

Handwritten initials

EN-4-4

APR 26 1946
5628 mhr

22 April 1946

100

In reply
refer to:
AG 463.1

SUBJECT: Request for Electric Power.

TO : Industry and Utilities Sub-Commission
Electrical Division
Allied Commission, Rome
APO 394, US Army.

1. It is requested that 2000 KW of local power be allocated to project "Runway" in the province of Puglia.
2. If request is granted information is requested as to who will furnish and who will install a transformer or transformers to convert from line voltage to 220 volts, three phase.

FOR THE COMMANDING OFFICER:

Handwritten signature
 ROBERT L. MASON *CWS*
 Capt, Air Corps USA
 Adjutant

INDUSTRY & UTILITIES SIG
 26 APR 1946
Handwritten signature

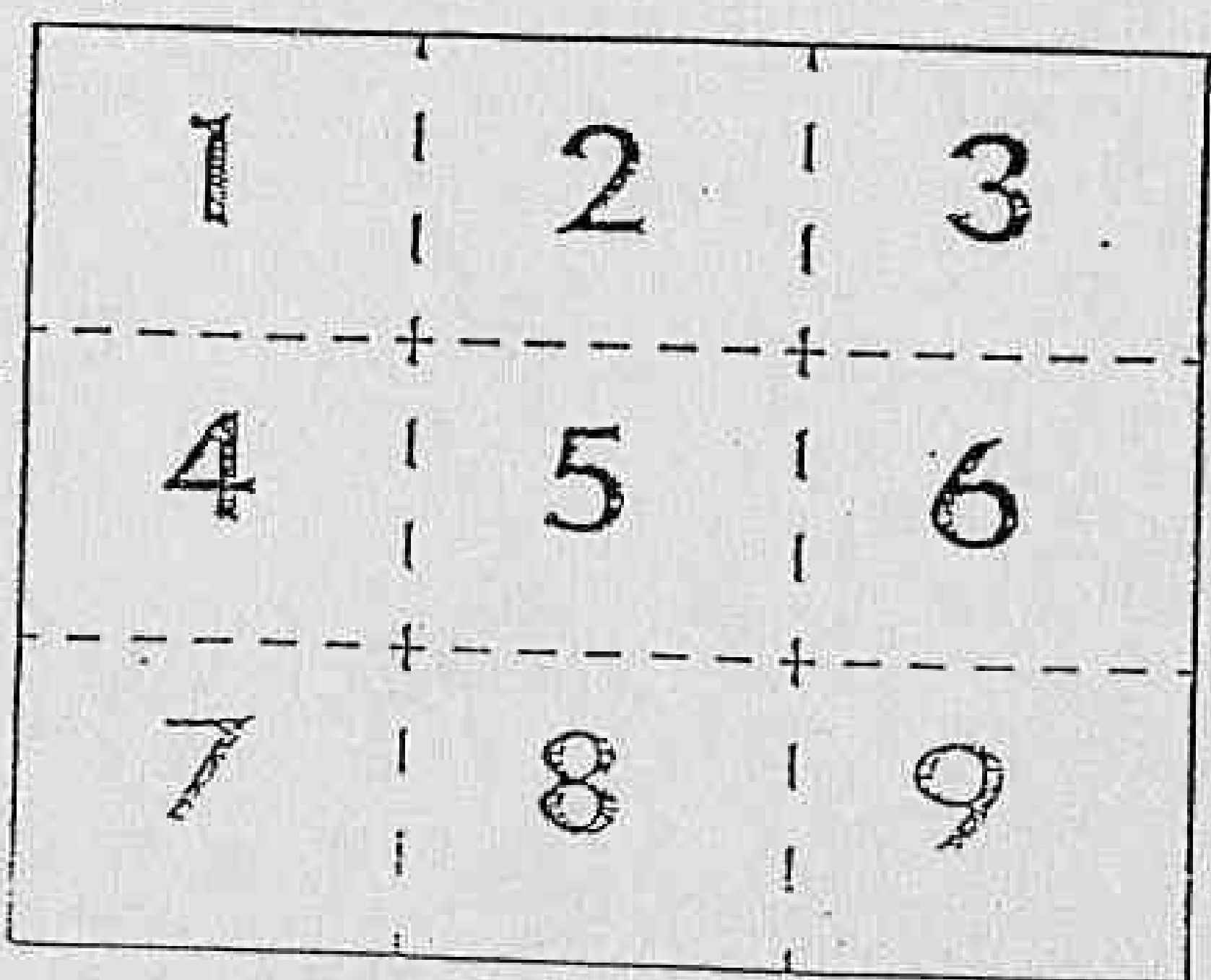
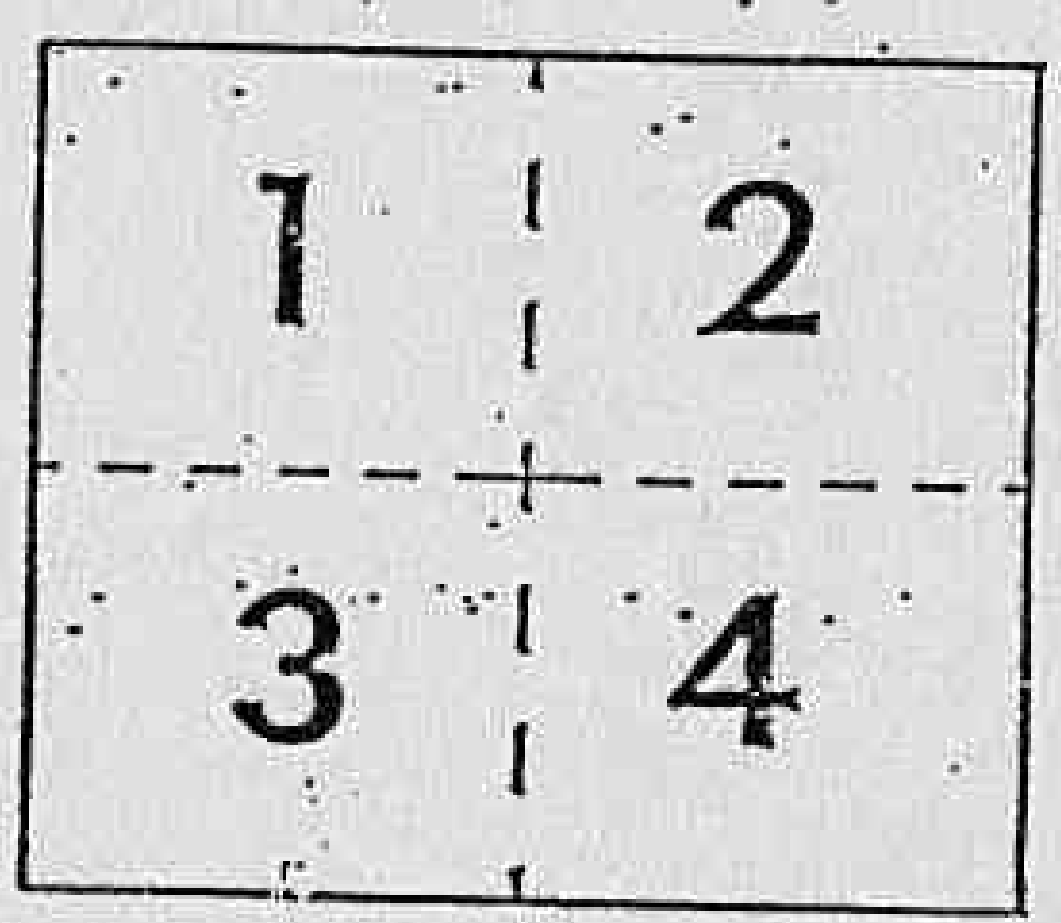
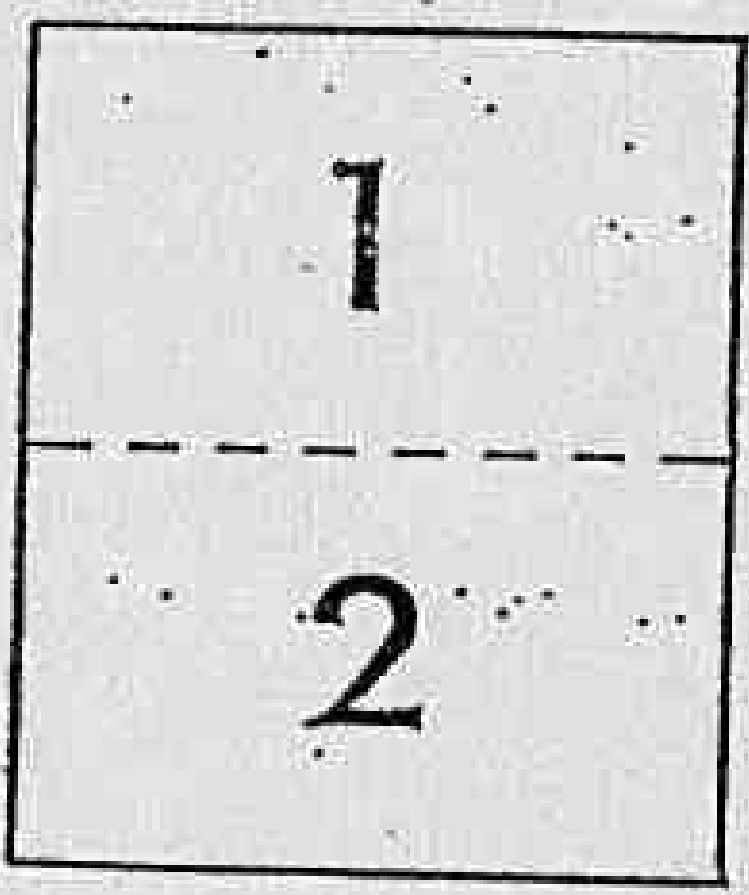
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 M. D.

DISPATCHED
 ENGR
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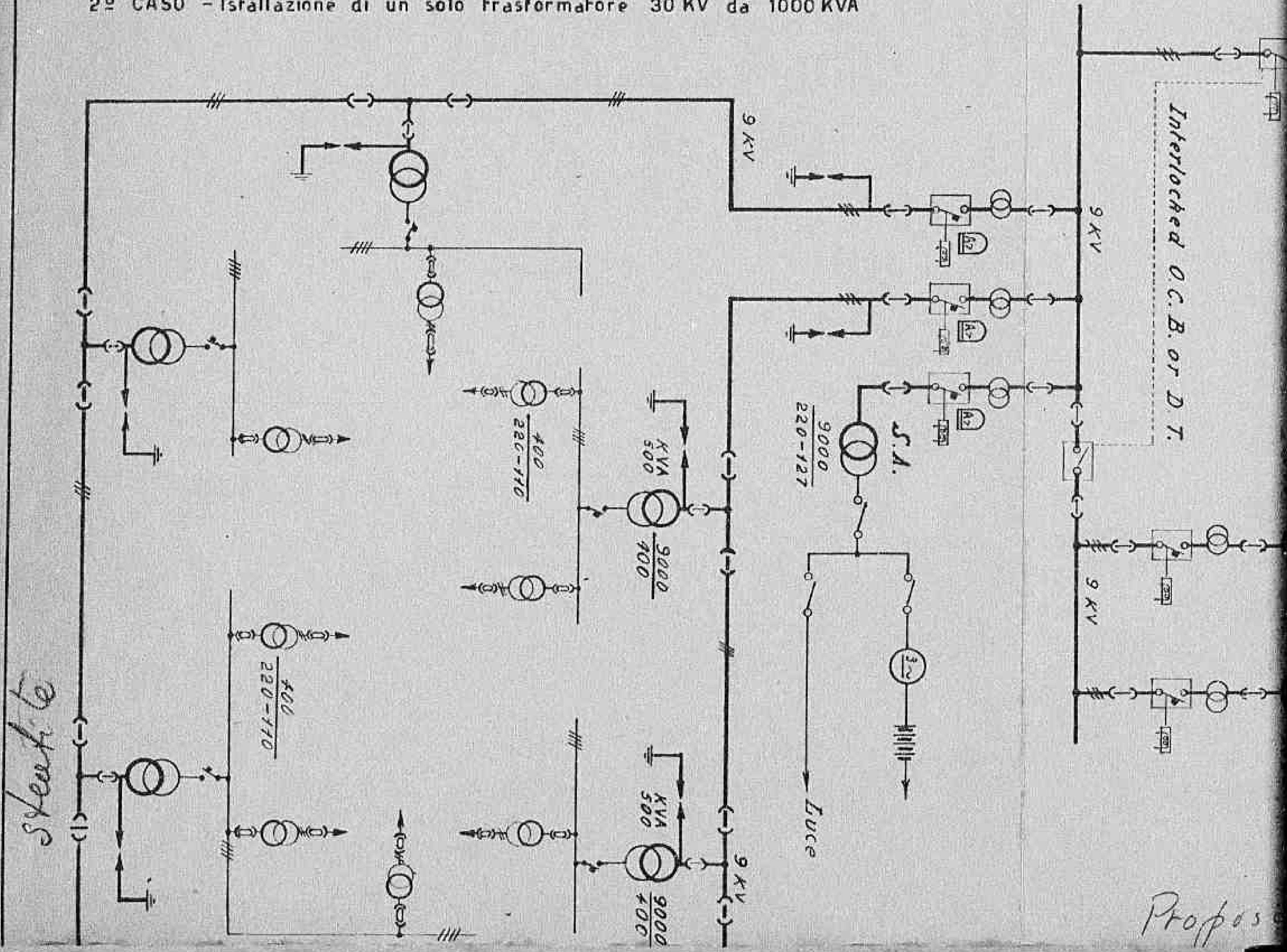
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ON ONE EXPOSURE ARE FILMED CLOCKWISE
BEGINNING IN THE UPPER LEFT CORNER,
LEFT TO RIGHT, AND TOP TO BOTTOM.

SEE DIAGRAMS BELOW.



SCALA	S. C. P. E.	DIS. 3021		
NOTE	S. GIOVANNI ROTONDO - Località AMENDOLA - Aeroporto - USAAF - Schema elettrico della cabina 30KV e della rete di distribuzione 9 KV			
		Diseg. <i>B. Longhi</i>	Contr.	V. Ing. <i>[Signature]</i>
		Data 17-A-946	Mod.	

2° CASO - Installazione di un solo trasformatore 30 KV da 1000 KVA



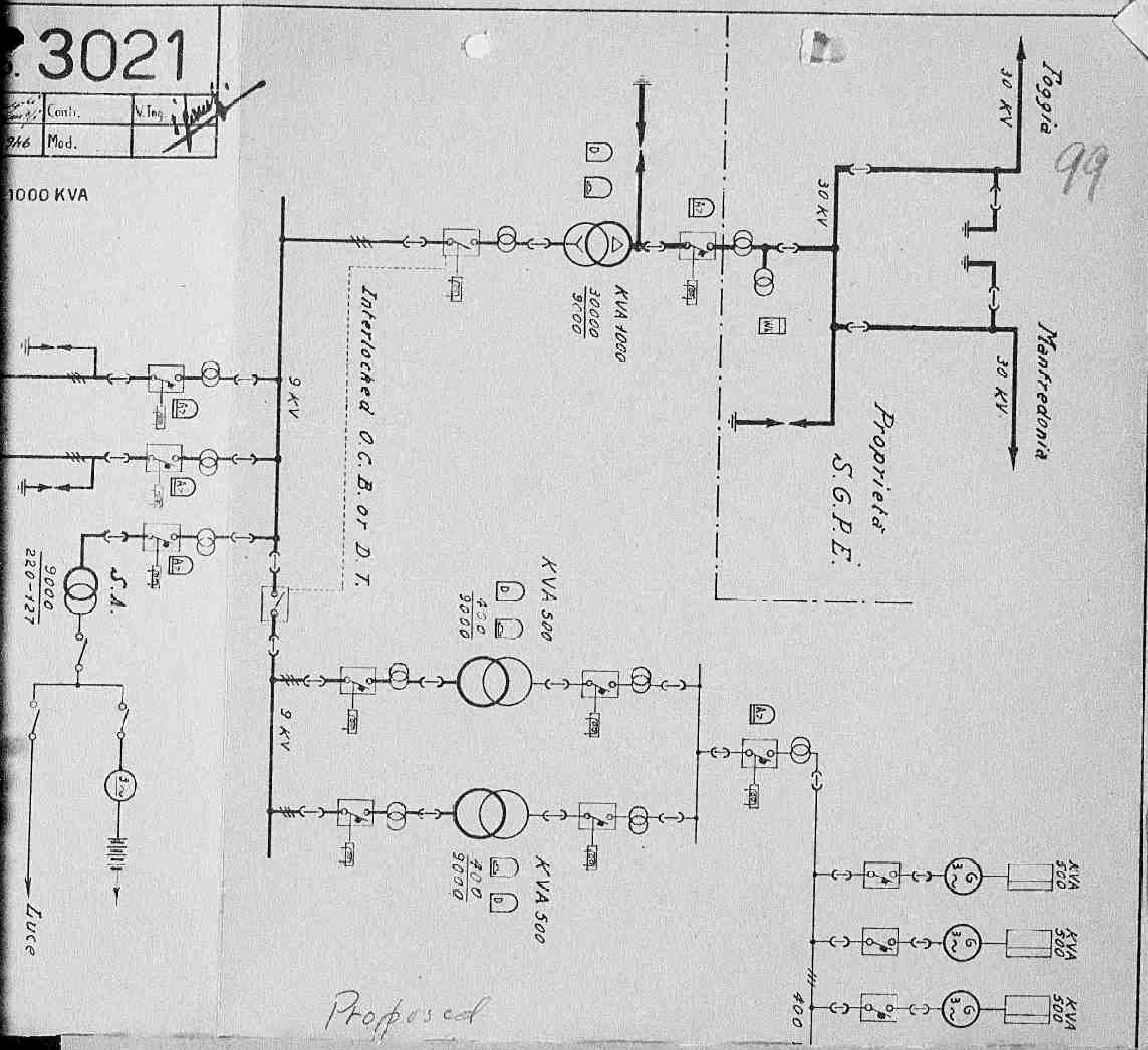
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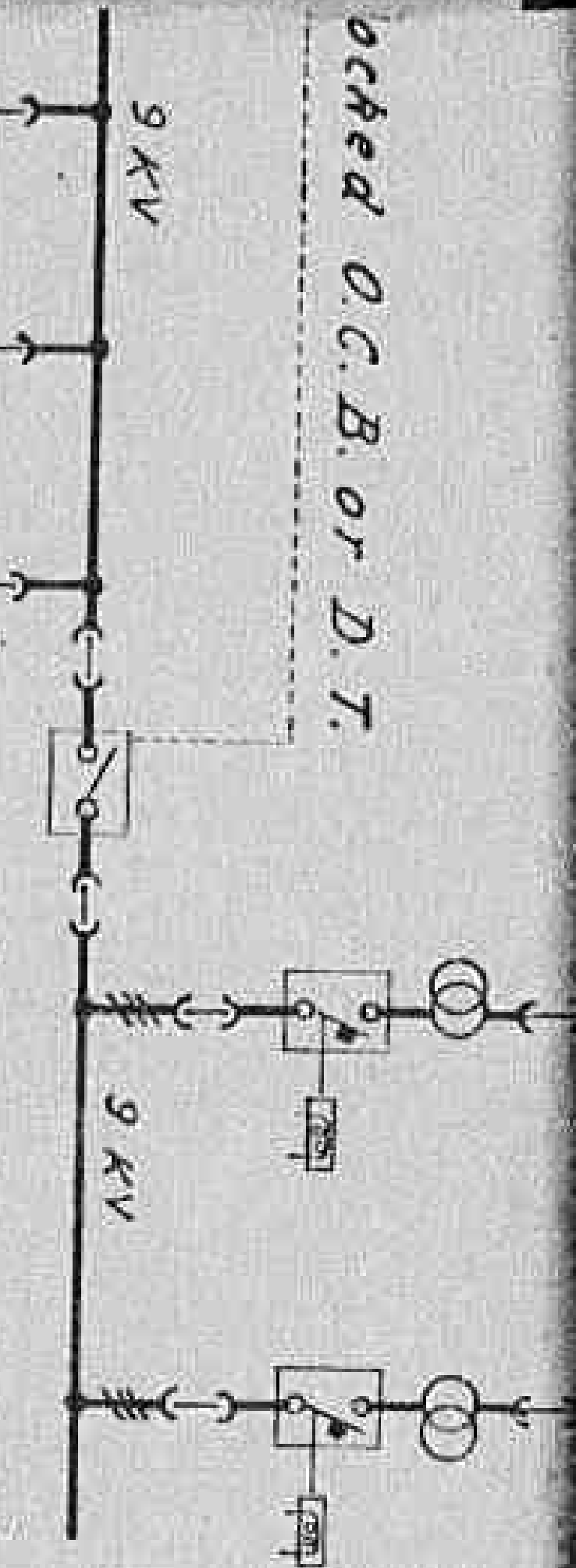
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1000 KVA



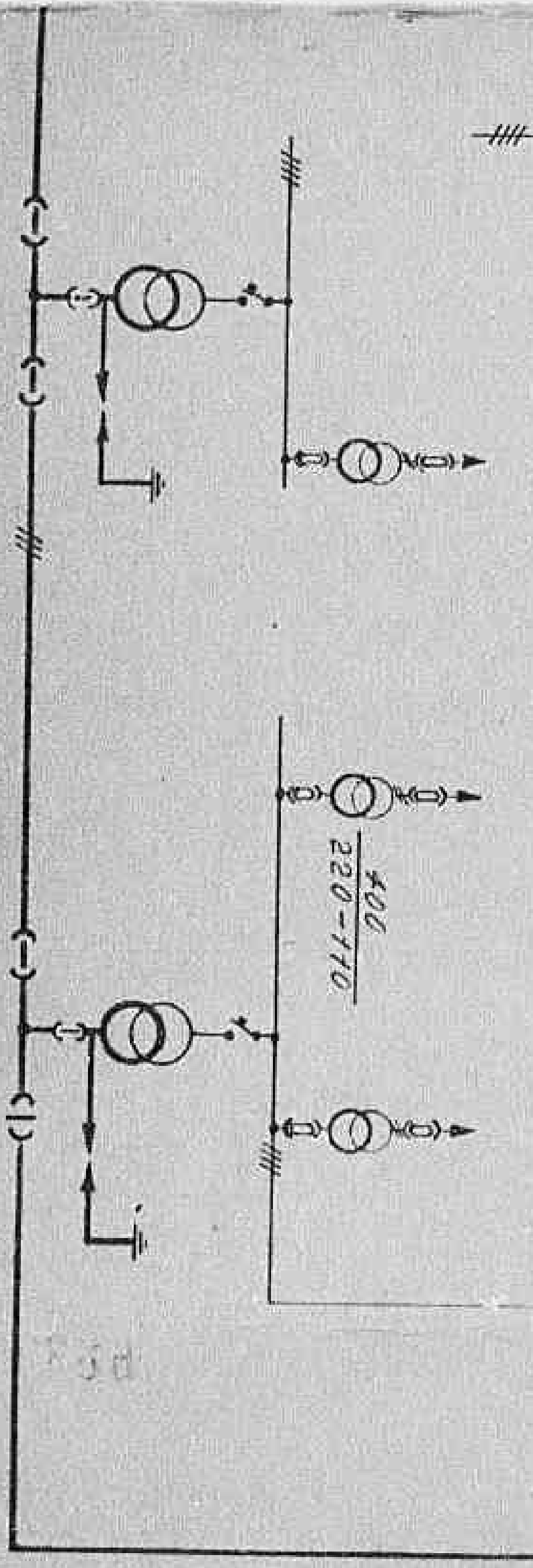
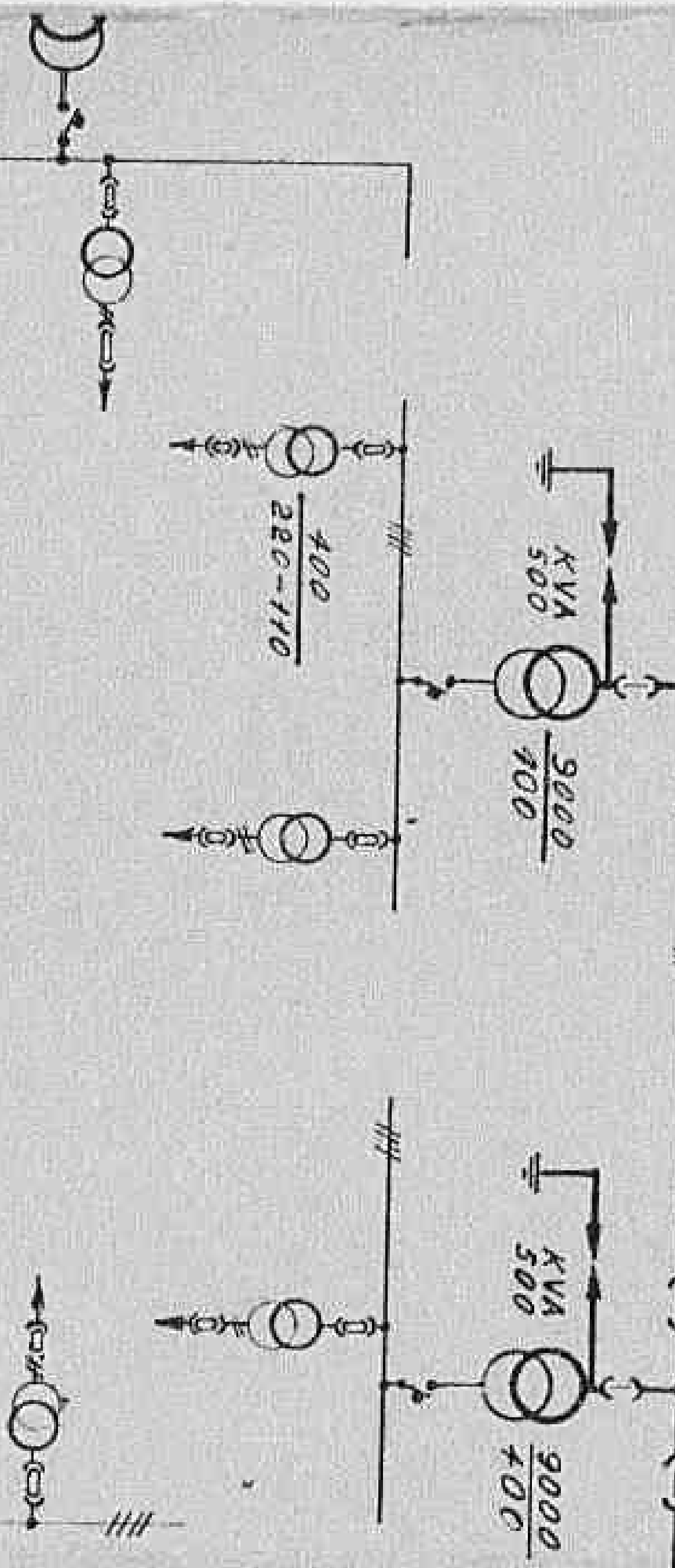
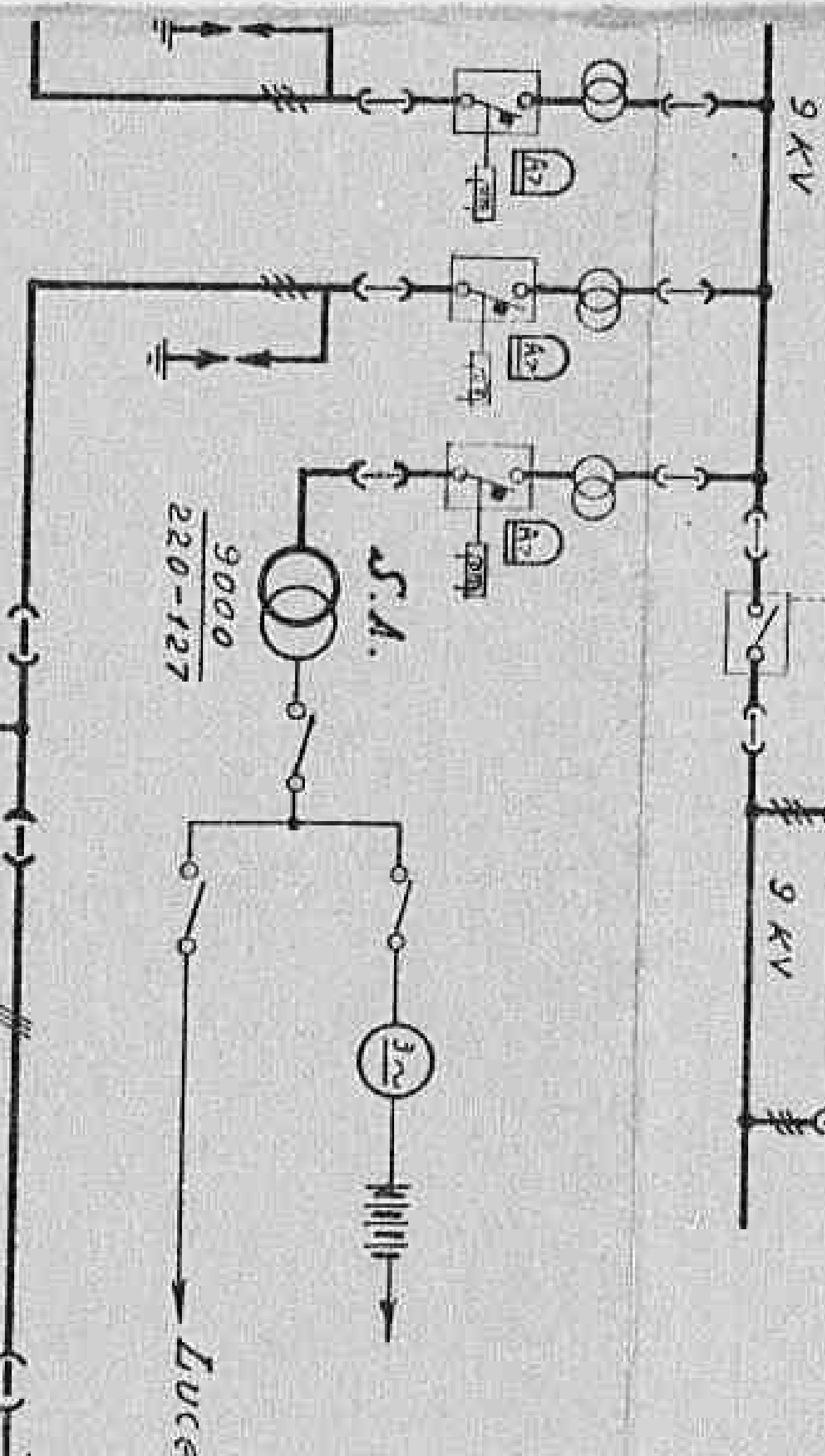
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Proposed

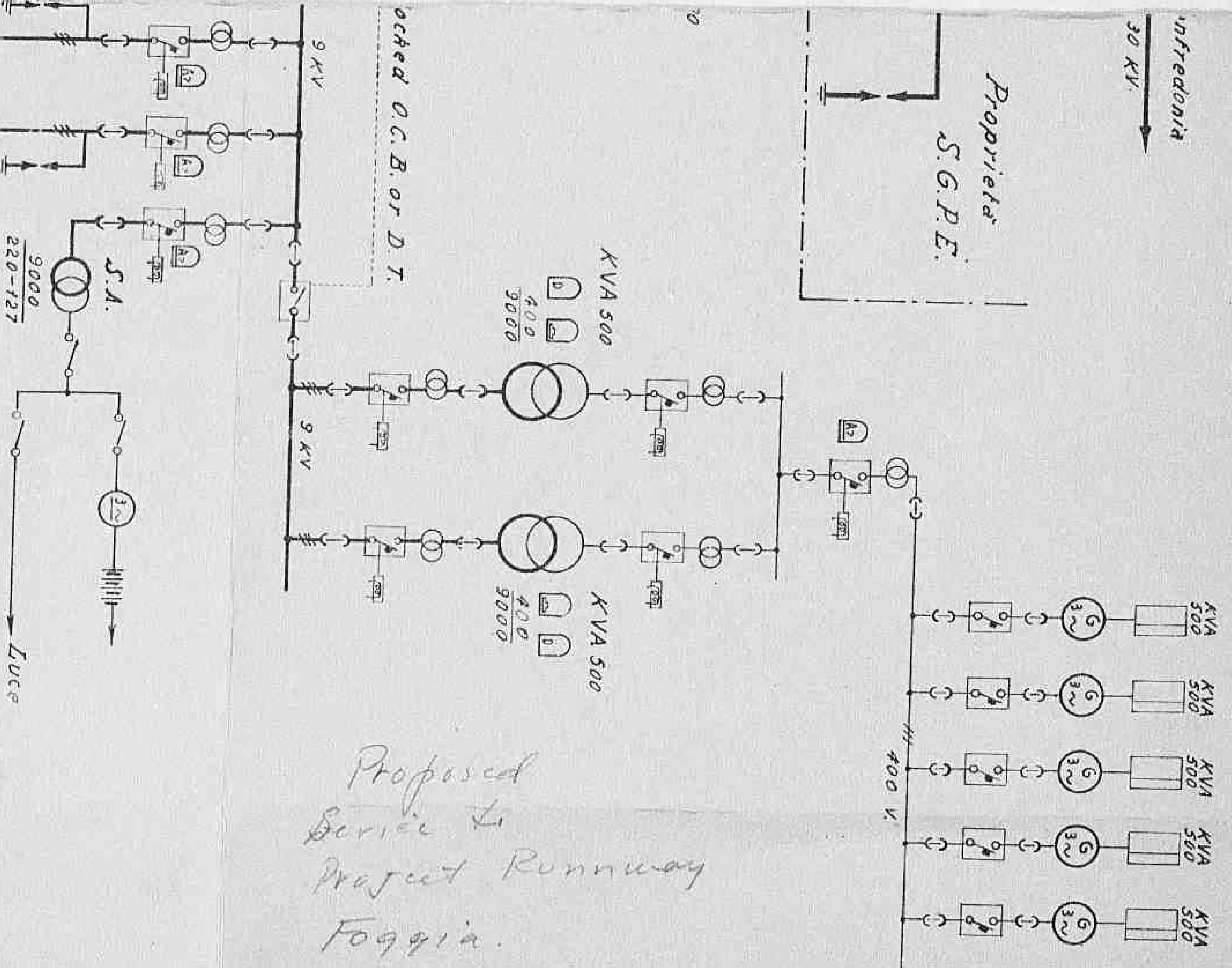


atched O.C.B. or D.T.

Propos
Series
Project
Fog 91
May 1



Sketch to



Proposed
 Service to
 Project Runway
 Foggia.
 May 1946

Tel: 489081
Ext: 317

HEADQUARTERS UNITED STATES
470 274
Industry and Utilities Sub-Commission

float

9 January 1948

AC/OSL/740

SUBJECT: Reimbursement - Terni Company - Unionele Electric Power

98

To : Ministry of Public Works
(Attn: Prof. A. Costa)

1. The Terni Electric Company has been and is furnishing the bulk of the electric power being consumed by the utility companies in Central Italy, but are only being partially reimbursed for this power. They have rehabilitated their facilities at great expense to themselves and have, in addition, incurred payroll and supply expenses in order to operate and maintain their facilities for the benefit of the retailing companies. Obviously, this company cannot be expected to continue to operate at a loss to the benefit of the retailing utilities.

2. The retailing utilities have all been granted surcharges on their tariffs sufficient to meet their operating deficits and are in a position to collect income from their customers, whereas the Terni Company has been receiving very little, if any, compensation from the retailers.

3. In order to meet the military and essential civilian requirements for electric power in Central Italy, the Terni Company was directed to rehabilitate its facilities and make the power output available to the retail companies of the Central Italy grid.

4. It is believed that all contracts which Terni Company has with the retail companies provide for termination of service upon non-payment, and even though the Government would have the authority to force the Terni Company to continue its service to the retailers, under public necessity, the Government, if such action were taken by it, should make arrangements that would insure the Terni Company of payment for supplying electric power.

Enclosed herewith is a copy of a letter received from Terni Company setting forth their views on the situation and it is being forwarded to you with the recommendation that steps be taken immediately to bring about the necessary settlement of these unpaid accounts.

GEORGE F. PARKER,
Colonel, Inf.,
Chief Elec. Div.

cc: Roman Co., Via Pall 14, Rome
AGSA, Via Milano 52, Rome
SEIS, Via Torino 117, Rome
Societa Valdarno, Via dei Corrotoli 5, Florence
Ferrovie dello Stato, Piazza Gramsci 20, Rome
Societa Nazionale di Elettrocita, Via Isonzo, Naples

Summary of letter from Terni - Societa per L'Industria e
L'Elettricit 

Ms. 4693/UTU

20 December 1945

1. Terni Company's customers are drawing more power than established by contracts but are not even paying for contract power (65 millions lire including Romana, ACEA, UNES, SNE, Voldarno, Railways). Only partial payments, of very little importance, are effected from time to time by those companies.
2. Our customers explain that they cannot pay for lack of money and also because they do not agree on the procedure followed when the invoices are submitted. (As a matter of fact all contracts clearly state that "all payments must not be delayed in case of disagreement")
What our customers pretend has no ground and Terni's financial situation is growing more and more serious.
3. A meeting was called some months ago by the visentine and our customers were invited to discuss the matter of payments to Terni Co., but this was practically of no use. The Italian law establishes that when no payment is made, the supplying company has the right of discontinuing the service but, so far, we have not taken such a measure in view of the abnormal situation.
4. The operating cost of Terni Co. do not permit now to grant any further delay to our customers and, unless some higher authority provides for the payment by the Companies, we will be obliged to discontinue the supply of power.

TRANSLATION

By : C. Tatti/ct

MINISTRY OF PUBLIC WORKS
 General Inspectorate for Electricity, Water & Gas

10 July 1945

Reference : 1027To : See Distribution.Subject : Thermal power plant at Taranto.

During these days we have examined availability of electric power from Soc. Meridionale Elettricità, specially in connection with the possibility of feeding the Montecatini plant at Crotone, which, as it is known, produces fertilizers.

After having examined all possible ways for doing so, the S.M.E. proposed to be assisted for this purpose by the production of Taranto Power Plant belonging to your Arsenal.

Said Power plant, besides lessening losses in transport of thermal power which is now generated by Maurizio Capuano Plant at Naples, would improve availability of electricity and power, making possible feeding of Crotone Plant.

Considering importance of this matter, this Ministry has promised to take the matter up with Allied Authorities in order that request of S.M.E. may be granted, leaving of course to the two Bodies concerned to make agreements re. procedure to be followed and operation conditions.

We beg you therefore to facilitate a/m agreements, in order to make it possible to put immediately into operation Taranto thermal Power plant.

Any information on this matter would be appreciated.

Distribution :

THE INSPECTOR GENERAL
 /s/ Marco Visentini

Command of the Royal Navy Shipyard,
TARANTO

Info. to. :

Ministry of Navy

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After having examined all possible ways for doing so, the S.M.E. proposed to be assisted for this purpose by the production of Taranto Power Plant belonging to your Arsenal.

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Any information on this matter would be appreciated.

THE INSPECTOR GENERAL
/s/ Marco Visentini

Distribution :

Command of the Royal Navy Shipyard,
TARANTO

Info. to. :

- Ministry of Navy
- S.M.E.
- Electrical Division, Allied Commission.

C O P Y

R E S T R I C T E D

DCK/fa/sg

ALLIED FORCE HEADQUARTERS
APO 512

51

ADMINISTRATIVE MEMORANDUM)

NUMBER 32)

30 May 1945

Electric Power RehabilitationI
Local Resources in Italy - Mainland & IslandsII
Establishment of Local Sub-Committees of Labor and Wages Control Committee.III

I---ELECTRIC POWER REHABILITATION

AFHQ Administrative Memorandum Number 58, 1944, and Section I Administrative Memorandum Number 7, 1945, are rescinded.

1. The Electrical Reconstruction Committee created by above Administrative Memoranda is dissolved.
2. The functions of electric power rehabilitation are transferred to the Allied Commission.
3. Military agencies engaged in electric power rehabilitation activities will coordinate their plans with the Allied Commission.

II --LOCAL RESOURCES IN ITALY - MAINLAND & ISLANDS

AFHQ Administrative Memorandum Number 52, 1944, is amended as follows:

1. Section I, Paragraph 2, Restricted Items is amended by the addition of the following after Item 1:-

"7. Poplar Wood."

2. Section I, Paragraph 1 (f), Industrial Gases and Chemicals, delete Serial 29 and substitute:

"29. Gas Bottles and Containers - other than those specifically designed for the storage of Methane Gas."

III - ESTABLISHMENT OF LOCAL SUB-COMMITTEES OF LABOR AND WAGES CONTROL COMMITTEE

AFHQ Administrative Memorandum Number 25, 1945, is amended as follows:

1. In Paragraph 6b, line 3, before "Allied" insert "Combined" and after "Scale" insert "and bonuses".
2. Paragraph 2b of Appendix "A" is amended by the addition of the words: "(including an appropriate allowance for paid annual and other holidays)".
3. Paragraph 3 of Appendix "A" is amended by the insertion of the words "sickness insurance" after the words "social insurance".

BY COMMAND OF FIELD MARSHAL ALEXANDER:

Original to file 171
Copy to 158

C.W. CHRISTENSEN
Colonel, AGC
Adjutant General 859

R E S T R I C T E D

Thermal Electricity Generating Stations
 (Centrali Termiche per la Produzione dell'Energia)

Weekly Fuel Report
 (Relazione Settimanale sul Combustibile)

Name of Thermal Station (Centrale Termica)	Fuel in stock at Beginning of week (combust. in magazzino al principio della settimana) TONS (Tonn)	Fuel delivered during the week (combust. consegnate durante la settimana) TONS (Tonn)	Fuel used during the week (combust. impiegato durante la settimana) TONS (Tonn)	Fuel in stock at end of week (combust. in magazzino a fine settimana) TONS (Tonn)
Coal				
Carbone				
Oil				
Nafta				
Coal				
Carbone				
Oil				
Nafta				
Coal				
Carbone				
Oil				
Nafta				
Coal				
Carbone				
Oil				

Name of Thermal Station (Centrale Termica)	Fuel in stock at beginning of week (combust. in magazzino al principio della settimana) TONS(Tonn)	Fuel delivered during the week (combust. consegnato durante la settimana) TONS (Tonn)	Fuel used during the week (combust.) impiegato durante la settimana TONS (Tonn)	Fuel in stock at end of week (combust. in magazzino a fine settimana) TONS(Tonn)
Coal Carbone				
Oil Nafta				
Coal Carbone				
Oil Nafta				
Coal Carbone				
Oil Nafta				
Coal Carbone				
Oil Nafta				
Coal Carbone				
Oil Nafta				
Coal Carbone				
Oil Nafta				

1945

Report for Midnight Saturday
Relazione alla mezzanotte del Sabato

Signed (Firmato) _____

ost/KM



COMMISSIONE PROVINCIALE
per la disciplina e il controllo sulla distribu-
zione e utilizzazione della energia elettrica
(presso la Com. Comm., Industr. e Agricoltura)
PIAZZA PIETRA, 51 - ROMA

hdd

file

Roma, li 4/4/946

102

Prot. n° 2340/10211

P.C.

ALLA S.R.E.

Mr. HARLAN CLEVELAND
(Via Cassia 203 A)

"

ALLIED COMMISSION
(attention Maj. Laughlin)
P.W.U. Branch-

"

ALLA RAAC -Eng. Sect.-
(Via del Mare 45)

R O M A

OGGETTO: Energia domestica Industriale.

Per aderire ad analoga richiesta della Commis-
sione Alleata, si prega voler provvedere all'alleccio
dell'energia elettrodomestica al

Sig. HARLAN CLEVELAND

Vice Presidente della Commissione Italiana
U.N.R.R.A. - in Via Cassia 203A (utenza ex Zurlini).

IL PRESIDENTE

(Dr. Renato Scamporrini)

Scamporrini

INDUSTRY & UTILITIES SIG
8 APR 1946
<i>Utilities</i>

657

Handwritten notes:
All to
file

05/1/pwo
OCT/5040
280930H

R/53
MARCH 021400Z

MIDWEST CIV AFFAIRS ROUTINE
MICHIGAN POWER STATION INFO APHQ FOR US REGIMENTS DECON
HOME

RESTRICTED

101

RESTRICTED

Ref troopers SIG 28802 CA 13 (cipher) of 20 Feb to (to) MAF and
APHQ copied to you Italy for info and presume you will take all necessary
action.

AG DIST

INFO ACTION: DECON REG 4
INFO: CHIEF COMMISSIONER
IND & UTIL 2
FILE 5
FLOAT

INDUSTRY & UTILITIE
- APR 1946
PwU

RESTRICTED

HEADQUARTERS
2 MAR 1946
658

Tel: 489081
Ext: 317

LNL/oo

HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Sub-Commission

100

ose/row

21 January 1946

SUBJECT: Office Space, Societa Generale Pugliese Di Elettricita,
Foggia

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

1. The above company desires assistance in assuring that the office space which they have arranged for in Foggia be made available to them.
2. They have gone to considerable expense to purchase a building, but to insure that they get this office space and to avoid its being requisitioned by the Italian authorities it is necessary that instructions be given to the Commissariato Alloggi in the town of Foggia.
3. Would you therefore please arrange that instructions are sent to the Italian Requisitioning Agency in Foggia pointing out the need for office space by this company in order to carry on its operations.
4. An extra copy of our letter is enclosed in the event you think it necessary to have the endorsement of the Allied Commission.

Enclosure - letter from Societa Generale Pugliese Di Elettricita,
dated 16 January 1946

G. F. Parker
GEORGE F. PARKER,
Colonel, Inf.,
Chief Elec. Div.

Società Romana di Elettricità

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

99

Roma *us. li* 15 gennaio 1946
VIA POLI. 14

INDUSTRY & UTILITIES S/C
17 GEN 1946 *dlb*
PWU

LD.EG.

Es. N.º 807/408

HEADQUARTERS ALLIED COMMISSION
A P O 394

Industry and Utilities Sub-Commission

17 JAN 1946 051
A.C. U. & G.
RECEIVED

e p.c. MINISTERO DEI LL.PP.

Ispettorato Elettricità, Acqua e Gas
ROMA

Oggetto: Pagamento energia alla Società Terni -

Con riferimento alla lettera AC/051/PWU del 9 corr. indiriz-
zataci da codesta sottocommissione in merito all'argomento indicato a
margine.

1º) Siamo consci dello sforzo considerevole compiuto dalla Società TER-
NI per ricostruire i propri impianti e sopperire così alle neces-
sità delle Società distributrici di energia elettrica sue utenti.
Dello sforzo compiuto siamo grati alla Società Terni, ma dobbiamo
nel contempo far rilevare che sforzo altrettanto notevole, sia dal
punto di vista tecnico come da quello finanziario, è stato compiuto
dalla ns. Società per la ricostruzione dei propri impianti non
solo di distribuzione, ma soprattutto di produzione di energia elet-
trica.

2º) Gli aumenti di tariffa accordati sono ben lungi dall'essere suffi-
cienti per sanare il deficit della ns. gestione.
Ad onta di tutti gli affidamenti avuti dai ministeri italiani e dal-
la Commissione Alleata gli aumenti autorizzati si sono dimostrati
del tutto inadeguati, tanto che l'esercizio 1944 si è chiuso con
uno sbilancio di circa 90 milioni, (malgrado l'utile realizzato nel
1º semestre) mentre la gestione del 1945 presenta un deficit di cir-
ca 150 milioni.

Anche recentemente è stata respinta la nostra domanda di adeguamen-
to delle tariffe alle mutate condizioni del mercato e ciò ci pone
in una situazione gravissima e nella impossibilità di eseguire le
manutenzioni più urgenti, che sono sospese da oltre un anno. Se le
Autorità competenti non provvederanno non potremo garantire nè l'ef-
ficienza degli impianti, nè la continuità dell'esercizio.
Facciamo inoltre presente che la gravità della situazione economica
si riflette anche sfavorevolmente sulla ricostruzione, riuscendo dif-
ficile ad una società dissestata procurarsi i mezzi finanziari neces-
sari per l'esecuzione di nuovi lavori.

translation attached

Contratto Elettrico 68301 - Feligrama: "Elettricità", Roma

L. 10/10/46

SOCIETA' ROMANA DI ELETTRICITA'

2.

3°) Non possiamo esimerci dal far rilevare non essere esatto che la nostra Società venga soddisfatta di tutti i suoi crediti da parte degli utenti.

Una parte ingente di essi e specialmente i maggiori non hanno fatto fronte ai propri impegni; in particolare basterà ricordare che al 31 dicembre u.s. risultavano insolute le seguenti partite tutte relative a forniture di energia :

- da parte delle amministrazioni statali	compl. £.	32.000.000
- da parte delle amministrazioni comunali	" "	6.800.000
- da parte delle amministrazioni dipendenti dal Comando Alleato	" "	20.000.000
- da parte delle FF.SS.	" "	9.500.000
- da parte di privati	" "	29.300.000

	Totale £.	98.500.000
		=====

Risulta quindi evidente la necessità che anche la ns. Società venga soddisfatta del proprio avere per le medesime ragioni giustamente addotte nei riguardi della Terni.

4°) Quanto sopra premesso, riteniamo tuttavia che la lettera indirizzata ai vari utenti della Terni non riguardi in modo particolare la ns. Società, perchè i pagamenti effettuati coprono l'intero fatturato.

5°) Preghiamo vivamente codesta Commissione di voler interporre i suoi autorevoli uffici:

- perchè le amministrazioni statali e comunali e quelle dipendenti dal Comando Alleato provvedano sollecitamente al pagamento delle fatture tuttora insolute;
- perchè venga accordato alla ns. Società l'adeguamento delle tariffe indispensabile per darci modo di eseguire i lavori di manutenzione più urgenti e per permetterci il necessario ammortamento degli impianti.

In difetto non potremo per l'avvenire far fronte ai nostri impegni ne garantire la continuità dell'esercizio e saremo costretti a sospendere i lavori di ricostruzione

Amey Theodor

653

Società Romana di Elettricità

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

Roma (4) 6 January 15th 1946
VIA POLI. 14

N.º 807/408

ID. EC.

To HEADQUARTERS ALLIED COMMISSION

and to the
attention of

Industry & Utilities Sub-Commission
MINISTERO DEI LL.PP.
Ispettorato Elettricità, Acque e Gas

R O M A

Subject: Payment of electrical power supplied by Terni Company

In reference to letter AC/051 PWU on Jan. 5th last, addressed to us by this Sub-Commission about above-mentioned subject.

1) We are well aware of the considerable effort made by Terni Company in order to rebuild its own plants so as to supply the needs of the retailing electrical Companies. We are grateful to Terni Company for this effort, but we must point out that our own Company has effectuated as considerable an effort, from the technical as well as from the financial point of view, in order to rebuild its own plants, not only the distributing ones, but also and principally the energy producing ones.

2) The increase of rates allowed us is far from being sufficient to fill the deficit of our management.

Notwithstanding the assurance of the Italian Ministries and of Allied Commission, the allowed increases have shown themselves wholly inadequate, so that the running for 1944 has closed with a deficiency of about 90 millions (notwithstanding the profits of the first half-year), while the running for 1945 shows a deficiency of about 150 millions.

A short time ago our request to adequate the rates to the changed market conditions has been refused, and this puts us in a very serious condition, so that it is impossible for us to effectuate the most urgent maintenance, suspended since more than one year. If the qualified Authorities will not provide, we shall not be able to vouch for the efficiency of the plants, nor for the continuity of their operation.

Centrale Elettrica: 683037. Telegonimi: "Elettroni", Roma

MAGAZINE OF FOREIGN AFFAIRS

SOCIETA' ROMANA DI ELETRICITA'

2)

We also point out that the seriousness of the economical situation reflects itself defavourably on the restoration, as it is difficult for a Company in financial troubles to find the necessary financial means needed to effectuate new works.

3) We cannot avoid to point out that it is not exact to say that our Company is being paid her credits by every one of its users.

A considerable part of the same users, especially the larger ones, did not keep its engagements; it will be sufficient to particularly remind that on December 31st last, the following entries resulted unsatisfied, every single one relating to electrical power supplied:

- from Government managements	£.	32.000.000
- from Municipal managements	"	6.800.000
- from managements depending from Allied Headquarters	"	20.000.000
- from the State Railways	"	9.500.000
- from private users	"	29.300.000

	Total	£. 98.500.000
		=====

Therefore the necessity that our Company might be also granted its due results evident, for the same reasons justly pointed out by Terni Company.

4) After having mentioned all these facts, we however presume that the letter addressed to sundry Terni users does not particularly refer to our Company, because the payments we have effectuated cover the whole sum made out by its bills.

5) We waresly beg this Commission to kindly assist us in asking

- that State and Municipal managements, as well as those depending from Allied Head Quarters be officiated to pay without delay their unpaid bills;
- that our Company be granted the indispensable increase of rates in order to allow us to effectuate the most urgent maintainance work and to allow us the necessary amortization of our plants.

In want of this we shall not be able in future to front our engagements nor to vouch for the continuity of the operation and we shall be obliged to suspend the restoration work.

Tel: 489081
 Ext: 317

LRA/CC

HEADQUARTERS ALLIED COMMISSIONS
 APO 384
 Industry and Utilities Sub-Commission

97

AC/OS1/780

9 January 1948

SUBJECT: Reimbursement - Terni Company - nuclear electric power

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

1. The Terni electric Company has been and is furnishing the bulk of the electric power being consumed by the utility companies in Central Italy, but are only being partially reimbursed for this power. They have rehabilitated their facilities at great expense to themselves and have, in addition, incurred payroll and supply expenses in order to operate and maintain their facilities for the benefit of the retailing companies. Obviously, this Company cannot be expected to continue to operate at a loss to the benefit of the retailing utilities.

2. The retailing utilities have all been granted surcharges on their tariffs sufficient to meet their operating deficits and are in a position to collect income from their customers, whereas the Terni Company has been receiving very little, if any, compensation from the retailers.

3. In order to meet the military and essential civilian requirements for electric power in Central Italy, the Terni Company was directed to rehabilitate its facilities and make the power output available to the retail companies of the Central Italy grid.

4. It is believed that all contracts which Terni Company has with the retail companies provide for termination of service upon non-payment, and even though the Government could have the authority to force the Terni Company to continue its service to the retailers, under public necessity, the Government, if such action were taken by it, should make arrangements that would insure the Terni Company of payment for supplying electric power.

96 refers

6. Enclosed herewith is a copy of a letter received from Terni Company setting forth their views on the situation and it is being forwarded to you with the recommendation that steps be taken immediately to bring about the necessary settlement of these unpaid accounts.

GEORGE F. PARKER,
Colonel, Inf.,
Chief Sec. Div.

1 Enclosure: Original letter from
Terni Col dated 20 Dec. 1945
file 4693/UTU

cc: ANSA Co., Via Dell'14, Rome
ACSA, Via Milano 52, Rome
ENSA, Via Torino 117, Rome
Sult Valerone, Via dei Perretani 8, Florence
Ferrovie dello Stato, Piazza Croce Rossa, Rome
Societa' Nazionale di Elettricita', Via Labriola, Naples

C O P I E

TERNI - SOCIETA PER L'INDUSTRIA E L'ELETTRICITA
Anonima - Sede Legale in Roma - Direzione
Generale in Genova

On. COMMISSIONE ALLEATA
SOTTOCOMMISSIONE LAVORI E
SERVIZI PUBBLICI DIVISIONE
ELETTRICA

96
Ns. 4693/UTU

Papigno, 20 dicembre 1945

R O M A
Via Veneto

Forniture di energia

1. Come già fatto presente, alcuni nostri utenti, che in questo periodo effettuano prelievi di energia notevolmente superiori a quelli previsti dai contratti, sono in debito verso di noi per importi notevoli, relativi a forniture eseguite prima della distruzione e dopo la riattivazione dei nostri impianti. Essi ci versano di tanto in tanto degli acconti, ma in misura sproporzionata al nostro credito, che aumenta continuamente in conseguenza dei nuovi prelievi.

Nei confronti delle grandi Utenze (A.C.E.A., Romana, U.N.E.S., Meridionale, FF.SS., Valdarno) tale credito ammonta ora a circa 65 milioni di lire, e si eleverà ad una cifra molto più copiosa nel-l'imminente scadenza dell'anno contrattuale, quando agli addebiti mensili dei minimi garantiti si aggiungeranno gli importi delle fatture di conguaglio basate sui quantitativi di energia effettivamente fornita.

2. A giustificazione della loro inadempienza, alcuni utenti allegano una provvisoria mancanza di fondi, quasi che tale motivo sia sufficiente ad esonerarli dall'esecuzione degli impegni assunti. Altri si dichiarano in attesa che venga determinato il canone d'uso per macchine cedute in affitto, pur sapendo che i contratti per fornitura di energia prevedono il pagamento delle fatture alle scadenze previste, a prescindere da ogni altro rapporto di credito o debito fra le parti contraenti (senza dire che il canone di cui si tratta non può rappresentare che una minima parte degli importi dovuti). Altri, infine, affermano di non essere d'accordo sui criteri di fatto, ragione, dimenticando che, per esplicita condizione contenuta nei contratti, "nessuna contestazione da diritto a ritardo nei pagamenti"; e non ci versano nemmeno le somme che, a loro giudizio, ci competono.

In sostanza, noi ci troviamo di fronte a delle inadempienze intenzionali che gli utenti cercano di giustificare con pretesti privi d'ogni legittimo fondamento. E intanto l'esigenze finanziarie del nostro esercizio sono estremamente gravose, tanto che ci troviamo in continue difficoltà per il pagamento dei salari alle maestranze.

2--

3. Nel caso che uno dei contraenti non adempia le sue obbligazioni, la legge consente all'altro di interrompere le forniture e di chiedere il risarcimento del danno (art. 1453 C.C.). Noi non ci siamo giovati finora di tale facoltà, sia in considerazione delle circostanze eccezionali, sia perché abbiamo sperato nell'efficacia dell'intervento esercitato alcuni mesi or sono dal Ministero dei Lavori Pubblici, che fece convocare le nostre utenze presso l'Ispettore Superiore Dr. Ing. VISENTINI e le fece sollecitare ad adempiere i loro impegni. Ma le circostanze nelle quali si svolge la nostra attività non ci permettono di dilazionare ulteriormente la riscossione delle somme che ci sono dovute; e poiché non esiste alcuna disposizione che vieti l'esercizio della facoltà riconosciutaci dalla legge, dichiariamo formalmente che provvederemo all'interruzione delle forniture nei confronti degli utenti che si sono dimostrati e si dimostrano così refrattari, non pure alle nostre continue e pressanti sollecitazioni, ma alle stesse esortazioni delle Superiori Autorità.

4. La nostra comprensione degli interessi generali non deve servire alle utenze come una salvaguardia al persistere della loro morosità. Se esse non verranno costrette da un decisivo intervento delle Autorità a pagare l'energia prelevata, noi dovremo ricorrere - con nostro vivo rincrescimento - alla diretta difesa dei nostri diritti; e decliniamo fin d'ora ogni responsabilità per le conseguenze dell'interruzione delle forniture, potendo invocare la testimonianza dello stesso Ministero dei Lavori Pubblici sulle prove di sopportazione che abbiamo date finora. Anche questo preavviso vuol essere una nuova attestazione della nostra deferenza e della nostra fiducia verso le Autorità, dalle quali speriamo che - per la preoccupazione del danno che potrà derivarne al pubblico - sapranno trovare ed attuare al più presto possibile il mezzo di far cessare una situazione divenuta assolutamente intollerabile.

Con osservanza.

TERNI
Società per L'Industria e L'Elettricità

Summary of letter from Terni - Societa per L'Industria e
L'Elettricita

Ns. 4693/UTU

20 December 1945

1. Terni Company's customers are drawing more power than established by contracts but are not even paying for contract power (65 millions lire including Romana, ACEA, UNES, SME, Voldarno, Railways). Only partial payments, of very little importance, are effected from time to time by those companies.
2. Our customers explain that they cannot pay for lack of money and also because they do not agree on the procedure followed when the invoices are submitted. (As a matter of fact all contracts clearly state that "all payments must not be delayed in case of disagreement")
What our customers pretend has no ground and Terni's financial situation is growing more and more serious.
3. A meeting was called some months ago by the Visentine and our customers were invited to discuss the matter of payments to Terni Co., but this was practically of no use. The Italian law establishes that when no payment is made, the supplying company has the right of discontinuing the service but, so far, we have not taken such a measure in view of the abnormal situation.
4. The operating cost of Terni Co. do not permit now to grant any further delay to our customers and, unless some higher authority provides for the payment by the Companies, we will be obliged to discontinue the supply of power.

Ref: 051/100

HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Sub-Commission

file 101/100

95

Ref: 051/100

21 December 1945

Subject: Accounting for issues of PCL to Power Plants.

To : Ministry of Public Works
(Att: Eng. Arts.)

86

1. Reference our letter 25 November 45 / 051/100.
2. The attached letter from ANI, Pot. Section dated 1 December 1945 outlines in further detail the position taken by the Volturno Co. with respect to payment for fuel oil used by their Diesel Plant prior to September 1945.
3. In addition to the Volturno Company the S.I.E. Company refuses to pay for the oils that were consumed by the company plant prior to 8 Aug 1944 for testing purposes. It is our considered opinion that this oil should be dealt with the same as any other material or supplies which were used in the rehabilitation of this plant.
4. Both of these Companies have been allowed surcharges on their rates to cover the estimated cost of fuel generation. If these surcharges have not been sufficient to meet such expenses the matter should be examined and due allowance made therefor when the terms of the present surcharges expire.

- c.c. - ANI, Pot. Sec. - APO 394
- Societa Meridionale di Eletticita
Via P.E. Imbriani 12 - Naples
- Ente Autonomo del Volturno, Via Sistema
dell'olio - Naples
- S.I.E. Via del Tritone 131 - Rome

GEORGE F. PARSONS
Lt-Col. Inf.
Chief, Elec. Div.

HEADQUARTERS ALLIED COMMISSION
 APO 894
 ECONOMIC SECTION

*2/16/45
 ost/pwd
 94*

ROUTING AND WORK SHEET

Each note must be numbered and each space completely filled in. THIS WORK SHEET MUST NOT BE REMOVED FROM THE CORRESPONDENCE TO WHICH ATTACHED UNTIL ACTION IS COMPLETED AND THEN FILED WITH FILE COPIES OF COMMUNICATION TO WHICH IT PERTAINS. A line will be drawn the full width of the page under each note.

SUBJECT: Power for Crotone Plant

No	Date	To	REMARKS	From																																							
2	19/12 1945	Mr. Hays Ind. & Util. S.C. A.C.	<p>1. Very little additional power has been available for allocation in Central Italy since July 1945. The requests for power have always exceeded the available supply in both Central and Southern Italy necessitating curtailment in use by both the military and by civilians.</p> <p>2. Following is a tabulation of KW and KWH allocations subsequent to June 1945 for <u>Central and Southern Italy.</u></p> <table border="1"> <thead> <tr> <th rowspan="2">Month</th> <th colspan="2">Southern Italy</th> <th colspan="2">Central Italy</th> </tr> <tr> <th>KW X 10³</th> <th>KWH X 10⁶</th> <th>KW X 10³</th> <th>KWH X 10⁶</th> </tr> </thead> <tbody> <tr> <td>July</td> <td>137,25</td> <td>67,90</td> <td>195,60</td> <td>104,75</td> </tr> <tr> <td>Aug.</td> <td>137,25</td> <td>67,90</td> <td>196,20</td> <td>107,10</td> </tr> <tr> <td>Sept.</td> <td>137,25</td> <td>68,25</td> <td>209,20</td> <td>113,45</td> </tr> <tr> <td>Oct.</td> <td>137,25</td> <td>68,25</td> <td>240,70</td> <td>129,75</td> </tr> <tr> <td>Nov.</td> <td>137,25</td> <td>68,25</td> <td>278,00</td> <td>109,50</td> </tr> <tr> <td>Dec.</td> <td>152,50</td> <td>78,30</td> <td>254,00</td> <td>134,20</td> </tr> </tbody> </table> <p>3. Until the last few days there has been no physical electrical interconnection between Central and Southern Italy to permit the flow of power between the two areas. Arrangements have been made to</p>	Month	Southern Italy		Central Italy		KW X 10 ³	KWH X 10 ⁶	KW X 10 ³	KWH X 10 ⁶	July	137,25	67,90	195,60	104,75	Aug.	137,25	67,90	196,20	107,10	Sept.	137,25	68,25	209,20	113,45	Oct.	137,25	68,25	240,70	129,75	Nov.	137,25	68,25	278,00	109,50	Dec.	152,50	78,30	254,00	134,20	Lt. Col. Parker Elec. Div.
Month	Southern Italy		Central Italy																																								
	KW X 10 ³	KWH X 10 ⁶	KW X 10 ³	KWH X 10 ⁶																																							
July	137,25	67,90	195,60	104,75																																							
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Nov.	137,25	68,25	278,00	109,50																																							
Dec.	152,50	78,30	254,00	134,20																																							

644

Page 2

No	Date	To	REMARKS	From
			<p>transport about 18,000 KW to Southern Italy, over the interconnection just completed, to help make up some of the deficiency which has existed there on loads already allocated. The electricity supply situation in Southern Italy is further aggravated by the failure of two generators totaling 28,000 KW of the S.M.T. system within this last month. It will require from three to six months to make necessary repairs on the machines. Therefore any power sent to South Italy from Central Italy should not be considered available for additional connected load.</p> <p>4. In the past the Electrical Division of P.W.& Util. has taken the position that the supplying of 12,000 KW to the Crotona chemical plant can only be accomplished by disconnecting an equivalent amount of existing civilian load in Southern Italy. This has been pointed out to the Italian Government but so far they have been unable to effect load reductions of sufficient proportions.</p> <p>5. The Italian Government is at the present time taking steps to institute new rationing decrees in Central and Southern Italy. A rationing program has been just put into effect in Northern Italy which will have some bearing on the Central and Southern Italy supply since Central Italy is now obtaining a part of its requirements from Northern Italy. This power is used in the Florence and Leghorn areas (continued)</p>	

DO NOT WRITE BELOW THIS LINE

HEADQUARTERS ALLIED COMMISSION
APO 394
ECONOMIC SECTION

ROUTING AND WORK SHEET

Each note must be numbered and each space completely filled in. THIS WORK SHEET MUST NOT BE REMOVED FROM THE CORRESPONDENCE TO WHICH ATTACHED UNTIL ACTION IS COMPLETED AND THEN FILED WITH FILE COPIES OF COMMUNICATION TO WHICH IT PERTAINS. A line will be drawn the full width of the page under each note.

SUBJECT:

No	Date	To	REMARKS	From
			<p>There by easing the strain on Central Italy resources. Were it not for this Northern Italy supply it would not be possible to export any power from Central Italy to Southern Italy.</p> <p>6. When the reservoir and stream flow conditions improve in Central and Southern Italy the question of supplying Crotona can be considered. However this division takes the position that this matter will have to be decided by the Italian Government since the control of power is now passed to them.</p> <p style="text-align: right;">GEORGE F. PARKER, Lt-Colonel, Inf., Chief Elec. Div.</p> <p>c.c. for 051/PWU File see Industry File AC/5542/IND for balance of correspondence.</p>	

643

Page

No	Date	To	REMARKS	From
				213

DO NOT WRITE BELOW THIS LINE

A

O

O

Tel. 489081
Ext. 317

LWI/vc

HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Sub-Commission

216 93

13 Dec. 1945

OS1/PWU

SUBJECT : Supply of Electric power to Castellammare
Grain Elevators.

TO : S.M.N. Co. - Naples -

1. Enclosed is letter from transportation S.C. A.C. 7 Dec. 45 with respect to electric service interruptions to the grain unloading docks of Castellammare.

2. We are aware of the critical power supply situation in southern Italy, however, the unloading of grain and the release of ships carrying grain warrant a high priority with respect to electric service.

3. Everything possible should be done to maintain a continuous supply.

GEORGE F. PARKER,
Lt-Colonel, Inf.,
Chief Elec. Div.

Copies to:

- C. S. Dist. III
- Trans. & Shipping S.C. A.C.
- Min. Pub. Works. etc. Eng. Asta
- Dir. Gen. Marine Merc. Insp. Ponz. Porti - Rome.

1 Enclosure:

copy letter 7/12/45 - 15/7/1947/206

642

RECEIVED
PW & U. AC
14 DEC 1945 051

HEADQUARTERS ALLIED COMMISSION
APO 394
Economic Section

Ref. ES/901

14 December 1945

SUBJECT : Electric Power

92

TO : Industry & Utilities Sub-Commission

1. Reference is made to inquiries this date regarding electric power situation and information furnished me by Major Laughlin. Further development of the subject is requested.
2. a Please give an "over-all" picture of the demand/supply situation in the major subdivisions of Italy. Suggest the various grids as a basis for report.
 - b What preferences can be arranged for Allied installations (note that this goes beyond AC) ?
 - c Is Naples receiving any preferential over Rome? If so, where do they get their surplus power?
 - d Is electricity from Italy being exported to France? If so
 - What volume?
 - What is basis for?
 - Should basis be reviewed?
3. It was reported that no electricity is available for import from Switzerland, a matter formerly discussed. As a separate question, will you investigate and report.
4. Please consider questions in 2 as urgent.

Charles W. Walton
CHARLES W. WALTON
Colonel, AC
Chief, Supply Group

INDUSTRY & UTILITIES SUB-COMMISSION	
14 DEC 1945	<i>Ch-</i>
Director	
Industry Dept	
Supply Dept	
Industry & Utilities Dept	✓

ALLIED COMMISSION
LIAISON OFFICE
BARI

91

SUBJECT: Electricity.

8 December 1945

Ref : LB/62/4

TO : Public Works & Utilities Sub-Commission,
Headquarters ALLIED COMMISSION,
C.M.F.

RECEIVED
P.W. & U.
7-DEC-1945 057

The attached letter written by Commander 54 Area to
HQ 3 District is passed to you for your information.

Your interest in this matter would be appreciated.



C.M. Rowley
C.M. ROWLEY, Major
Liaison Office, C.M.F.
BARI.

GMR/tn

Copy to: SCPL, Bari.

*29/12/1945
25000 kw power from being
sent to Piddia area
which will relieve the
The situation is
followed by
with high
major*

PUBLIC WORKS & UTILITIES S/C.	
7 DEC 1945	<i>(initials)</i>
Dist	
Genl Dept	
Genl Staff	
Pub Wks & Util Dept	✓

640

90

HEADQUARTERS ALLIED COMMISSION
APO 394
TRANSPORTATION AND SHIPPING SUB COMMISSION

Tel : 347
Ref : AC/7/127/Tn6

DEC - 7 1945
5628

UAG/lp
7 December 1945

SUBJECT: Supply of Electric power to Castellammare
Grain Elevators.

TO : Industry and Utilities Sub Commission
(attn: Electrical Division).

1. The Direzione Generale Marina Mercantile, Rome, (Ispettorato Funzionamento Porti) has brought to our notice that the efficient working of the grain elevators at the Port of Castellammare is seriously handicapped owing to the non-availability of electric power on those days when, according to the Electricity Rationing system in force, industrial plants in the port are deprived of necessary current.

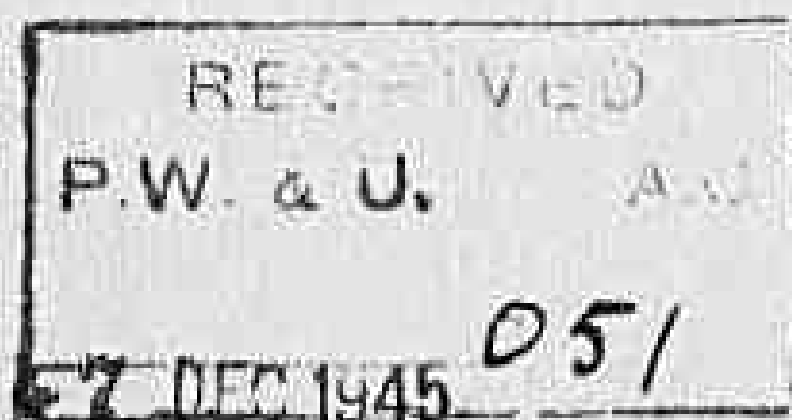
2. With a view to avoiding any delay in the discharge of grain ships using the elevators, particularly in times like the present when every ton of shipping space is needed, it would be appreciated if you were kindly to approach the appropriate Authorities and have the above mentioned restriction removed as far as the operating of the elevators is concerned.

3. Your early advices on the matter will oblige.

For the Chief:

U. A. Ghilardi
U.A. GHILARDI
Operations Branch
Ports & Warehouse Div.

Copy to :
Direzione Generale Marina Mercantile
Ispettorato Funzionamento Porti,
ROME
(attn: Col. E. Lauricella).



639

(file) 89

Memo 4/12/45 (attached Telegram)
 talked to Maj. Williams and he states
 that machine is now being taken down
 but that it may be several months before
 repairs can be effected to the unit.

The unit which has been under
 repair for the past 6 months is expected
 to be ready by the end of the month.

Talked to Ling. Masterso and he
 asks that Central & Southern Italy
 connection be rushed as fast as
 possible as they are ready to receive
 the power in the Foggia area now.
 Termini machine is now scheduled
 for the 15th Dec. line will be
 ready a little before that. Have
 directed that everything possible
 be done to push it along.

W. Laughlin
 major

TELEGRAMMA LAMPO VIA ITALCABLE

103 -

109

Prefisso e Numero - indicazioni eventuali - Provenienza - Numero parole - Data - Ora
== D22 LMP 17806 ROMA NAPOLI
27 2 1300 ITC =

LAMPO COMMISSIONE ALLEATA
PER COLONNELLO PARKER
VIA VENETO ROMA =

(Mod. 455)

GRAVE INCIDENTE METTE FUORI SERVIZIO ALTRO GRUPPO CENTRALE
ORICHELLA PUNTO PREGHIAMO INTERVENIRE PER SOLLECITARE INIZIO
FORNITURA TERNI = MASTURZO =

translation of above
serious accident puts out service the
second unit (18,000 kw) Orichella (Sila).
Please take some action to expedite starting
of supply from Terni.

PER INFORMAZIONI TELEFONARE AL NUMERO:

Il Governo Italiano e la Società non assumono alcuna responsabilità in conseguenza del servizio telegrafico

PER INFORMAZIONI TELEFONARE AL NUMERO: 637
1554

Arti Grafiche Pavesio & Pavesio - Spoleto 4-943-400 (20)

Tel. 489081
Ext. 317

File

HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Sub-Commission

LWL/me

88

051/PWU

6 Dec 45

SUBJECT : Hy. 5 Bridge Work - Pescara I

TO : Società Meridionale di Eletticità.
Via P.E. Imbriani - Naples -
(att.: Eng. Masturzo)

1. Ref. Memorandum 16 Oct. 45. *83*

2. We have been informed by the Genio Civile of Rome that contracts are now being let, for the repair of the bridge on Highway No. 5, at the point where it passes over the penstocks of the 1st stage Pescara plant.

3. It is estimated that about 3 months will be required to effect the repairs to the bridge.

4. This information is being forwarded to you in order that you may coordinate the rehabilitation of the Hydro plant with the bridge project.

for Lt. Laughlin
GEORGE F. PARKER,
Lt-Colonel, Inf.,
Chief Elec. Div.

Copy to:

C.E. Dist. III

636

RECEIVED
P.W. & U.
DEC 1945 189

AFHQ PETROLEUM SECTION
ROME AREA ALLIED COMMAND
APO 794

87

FET 30/G/6/6

CDF/jrp
1 December 1945

SUBJECT: Accounting for Issues of POL to Power Plants.

TO: HQ. A.C., P.W. & U. Sub-Commission,
(Electrical Division) APO 394.

84

1. Further reference FET 30/A/5 of 29 November 1945.
2. C.I.P. advise that Volturno have agreed to pay from 1 October 1945 onwards, but will not pay for period January 1944 - September 1945 for two reasons:-
 - (a) The operation of the plant was under AEG for "reasons of military and public" interest.
 - (b) Their tariffs in force in that period were not sufficient to pay the operating expenses.
3. C.I.P. further advise that the S.M.E. refuse to pay for oils that went to Capuano plant prior to 8 August 1944, as they claim that the plant was being rehabilitated and tested during that period by the Royal Navy.
4. Our attitude is that the fuels in question were supplied to the Italian Civilian Economy and if these firms are unable to pay for financial reasons that the Italian Government should assume the debt. C.I.P.'s claim for payment is naturally against Volturno and S.M.E. and it seems that these two firms should ask for grants from the Italian Government to meet the payments, if they are without funds themselves to do so.

INDUSTRY & UTILITIES S/C.	
Director	
Asst Director	
Chief Clerk	
Public Works & U. Dept.	J
C.I.P., Rome.	

Copy to

John L. King
JOHN L. KING
Colonel, QMC
Petroleum Section

see Folio 60
file 064

Tel.317*File -*

LWL/mc

HEADQUARTERS ALLIED COMMISSION
 APO 394
 Public Works and Utilities Department

86

29 November 1945

051/PWU

SUBJECT : Accounting for Issues of P.O.L.
 to Power Plants. *95 copies*

TO : Ministry Public Works
 att. Eng. Asta

1. The Volturno Company of Naples is refusing to pay for fuel oil which has been and is being consumed at its Naples Diesel plant using the arguement that they operate under A.C. orders.
2. This refusal applies to oil which was furnished from Military stocks in the past and to fuel oil which is now being supplied by C.I.P.
3. The electric energy output of the Volturno plant is considered to be entirely for civilian needs and is classed the same as any other supplies which are consumed by enterprises or agencies for civil purposes.
4. The company is presumably collecting revenue, from the energy sold its customers, which has been supplied in part or in whole from this fuel oil.
5. This matter is being referred to you for necessary action.

→ c.c. Finance SC/AE
 c.c. A.F.M.9. Ref. Sec. RAAC

GEORGE F. PARKER,
 Lt-Colonel, Inf.,
 Chief Elec. Div.

634

Tel. 317

LWI/mc

HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Department

85

29 November 1945

051/PWU

SUBJECT : Accounting for Issues of P.O.L.
to Power Plants.

TO : A.F.H.Q. Petroleum Section R.A.A.C. APO 794

1. Ref. your letter 8 Nov. 45 - Pet. 30/A/5
2. The refusal of the Volturmo Power company of Naples to pay for the fuel oil which is consumed in the Naples Diesel plant of the company has been discussed in Allied Commission.
3. The matter is being brought to the attention of the Italian Government with the request that necessary action be taken as per letter copy attached.

GEORGE F. PARKER,
Lt-Colonel, Inf.,
Chief Elec. Div.

1 - Encl. Letter Min.P.W. PWU/051 dated 29/11/45

Copies to:

→ Finance Sub-Commission A.C.
Min. Pub. Works att. Eng. Asta .

633

AFHQ PETROLEUM SECTION
ROME AREA ALLIED COMMAND
AFC 794

RECEIVED
P.W. & U.S. AIR
19 NOV 1945 051

PET 30/A/5.

478875

CDP/B
8 November 1945

84

SUBJECT: Accounting for Issues of POL to Power Plants.

TO: P.W. & U. Sub-Commission, HQ., A.C.
(Attn: Electrical Division).

1. Volturno Power at Naples refuses not only to settle for oil received by it in the past directly from the military, but also to settle current invoices of CIP, using the argument that they operate under A.C. orders.

2. Your Division went on record that such oil deliveries as were made for power production should be debited 100% against the Italian Power companies, since the Civil used the greatest percentage of the power produced and since most power was produced by hydro stations. Your 051/P.W.U. of 27 December 1944 refers. (18)

3. Unless Volturno accepts the debits there is only one alternative, namely, to cut off its oil supply.

4. Please investigate and advise.

87
refers

85
refers

John L. King
JOHN L. KING
Colonel, Q.C.
Petroleum Section

Copy to: C.I.F., Rome.
Your memo 1092 refers.

TRV 478875
Col. King

see file 189 / PCW 5th part
45
632

Ente Autonomo Volkorno

Rate increase 220 percent
for the period May 1 - December 31 1945

Granted on July 31 1945.

Previous 140%
second half 1944

631

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

RECEIVED
O.W. & O.S./C.A.C.
9751100 08 051

Memorandum for Col. PARKER

file

83

1. The road bridge near Bussi over the two pipe-lines of our Pescara Hydroplant, 1st stage, during the war was mined and b/w up. Presently there is a temporary diversion of the Highway n. 5 Tiburtina-Valeria, running over the buried pipe-lines.
2. For the rehabilitation of the Hydroplant (2 units with an average output of 70.000.000 kWh/year) it is necessary to provide for the repair of the bridge, in order to free and repair the buried conduits.
3. We applied in the last September to the qualified Office of the Italian Genio Civile, who answered that authority of 12 C.R.E. was necessary.
4. On October 2nd we applied to 12 C.R.E., who has charged the Garrison Engineer in Pescara for informations and references.
5. As the repair and acting of the pipe-lines are necessary and urgent for the rehabilitation of our Pescara Hydroplant that is of great general importance, we beg you to intervene in the matter and speed the delivery of the authority.

With many thanks.

88 refs

*announced
6 Dec. 45
with me.*

Naples, the 16th October 1945
MCu/ep

*Copy given to Reggiani, who
will investigate and take action
on it. R 28/10/45 639*

*He is to advise the action taken
with me*

South Italy

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

82

Memorandum for Lt. Col. PARKERINTERCONNECTION WITH TERNI

- 1) The demand of present customers is already exceeding the availability of combined output of hydro and steam plants. There are also other customers not yet connected for an estimated amount of some 20-25 MW (not inclusive of electrochemical plants).
The interconnection with the Terni plants is then urgently needed for a supply to the Southern Region.
- 2) The Terni-Pescara-Foggia line will be ready by the end of October. At the same time also the Pescara-Naples line will be ready. But the first transformer 150/60 kV of Agnano 2 Sub. will be ready about the end of December.
The Terni-Apulia interconnection will be then possible by the end of October; the Terni-Naples interconnection by the end of December.
- 3) Terni plants are now operated at 50 Hz. S.M.E. is yet operating at rated 45 and really at 42-43 Hz. For the interconnection with Terni there are, therefore, two possibilities:
 - a) change of frequency in the whole Southern Region
 - b) change of frequency only in one restricted area chosen accordingly to the amount of power transmitted by Terni.
- 4) The change of frequency would require:
 - a rise to the rated frequency (from 43 to 45)

629

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

the stop of the steam plants

the increase of voltage to not less than 95% of rated value

last of all the increase from 45 to 50 Hz.

In the Central Italy the procedure followed was the above one. But at present the same procedure applied to the whole Southern Region would require an amount of power not yet available. It will then be necessary a change of frequency in a restricted area.

5) As the first interconnection will be realized on the Appulian line, the restricted zona must be choosen in Apulia around the first Sub (Foggia) and eventually around the second one (Bari). We also point out that it would be more difficult to find a restricted area for a separate operation at 50 Hz in the Naples district.

6) By the 150 kV system of busses of Foggia the 14 MVA 150/60 kV transformer and the local distribution transformers (150/9 kV and 150/30 kV) are supplied for a total amount of some 20-21 MW. The change of frequency would then affect the area between Benevento and Cerignola. *Foggia*

A further step could be considered: the supply of Bari Substations. This would require a total of about 37 MW. But in this case Terni could operate one of the unit of Galleto at 45 Hz. paralleled with the whole S.M.E. grid.

7) Inconvenience of the above type of service:

In case of outages on the Terni-Pescara-Foggia sections ^{62%} or on the Sila-Palagiano-Bari sections we should be compelled to supply (at reduced load) the area at 50 Hz. once more at 43 Hz.

./.

F

3)

SOCIETA MERIDIONALE DI ELETTRICITA

(for the time of the outages).

The energy supplied by Terni will be controlled only by the load factor of the area (7-8 mil/kWhrs per month).

Conclusions:

The supply from Terni is urgently required.

The best utilization of Terni supply would be realized through the paralleled operation at 45 or 50 Hz.

The paralleled operation at 50 Hz is impossible for the moment.

If the paralleled operation at 45 is also impossible, a supply at 50 Hz to a restricted area must be accepted.

The most suitable area for the above service is to be chosen in Apulia.

In order to help also the Campania District the displacement of the Feroleto transformer is strictly required.

Naples, the 26th September 1945
TM/ep

P

Tel. 478906

HEADQUARTERS ALLIED COMMISSION

VSP/bb

INTER OFFICE MEMO

81

REFERENCE: 051/IWU
SUBJECT : Electricity situation -
Southern Italy.
TO : Executive Commissioner (Att: Capt. White),
Through Economic Section.
FROM : Public Works & Utilities S/C.

8 Oct 45.

1. This memorandum is submitted in response to the telephone request of Captain White for information concerning the electricity situation in Southern Italy.
2. As of 1st October, at 0700 hours, the Sila reservoirs contained sufficient water to produce 98.7 million kilowatt-hours. This quantity of water is 12 percent more than was expected three months ago, and is the result of increased rain and curtailed operation in Southern Italy. Present indications are that the Sila reservoirs will reach their lowest levels at the end of November.

E. J. RISPRIT,
Colonel, C.E.,
Acting Director.

Tel : 489081
Ext : 317

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

VSR/sg

File

80

051/PWU.

18 Sept 45

Subject: Electricity Requirements, Southern Italy.

To : A.F.L.R.S.

1. During the early days of September 1945, a study was made of the general electricity situation in Southern Italy, to determine particularly, the following points :

- a. The electricity requirements of Southern Italy, until April 1946.
- b. The quantities of electricity available to Southern Italy during the same period.
- c. The fuel oil requirements of the Naples thermal stations.

2. The study resulted in the following conclusions:

- a. The estimated monthly requirements which can be met at the generating stations are as follows :

<u>Month</u>	<u>Millions of Kilowatt-Hours</u>
Sept	84
Oct	89
Nov	92
Dec	98
Jan	98
Feb	88
Mar	90
Apr	86

- b. The requirements of Southern Italy, excluding the electrochemical industry, if electricity were available in unlimited quantities would be about 12 percent greater than the above figures.

- c. Of these quantities, the hydroplants in Southern Italy will furnish about 90 percent; until the completion of the Terni-Naples transmission line,

- the Naples thermal plants should furnish 10%.
- d. Two transmission lines connecting Central and Southern Italy are being repaired.
- (1) Terni-Pescara-Archi-Foggia, ready for service 31 October.
- (2) Pescara-Archi-Naples, ready for service 31 December.
- e. The Terni-Pescara-Archi-Foggia line may be used to pass 20,000 KW to Southern Italy. This power will not relieve the fuel oil situation in Naples, but will permit a quantity of about 12,000 KW and 6 million Kilowatt-hours per month to be diverted for other uses.
- f. The Pescara-Archi-Naples line can be used to relieve the fuel oil situation in Naples.
- g. The Naples thermal plants are particularly important to the Naples area. Although they furnish only 10 percent of the energy to the South Italy system, they furnish 17 percent to the Naples area, which can not be furnished any other way.
- h. The quantities of fuel oil needed at the Naples thermal plants in order that the figures in point "a" may be met, together with the quantities expected are :

Capuano Steam Plant

<u>Month</u>	<u>Oil needed -Tons</u>	<u>Oil Promised-Tons</u>	<u>Curtailment in Naples Area if oil not received</u>	<u>Millions of Kilowatt-Hours</u>	<u>Percent</u>
Sept	3000	2359	1,25		3,2
Oct	3400	2359	2,25		5,6
Nov	4400	-	-		-
Dec	5800	-	-		-
<u>Volturno Plant</u>					
Sept	400	261	0,35	62½	0,9
Oct	400	261	0,35		0,9
Nov - Dec	400	-			

3. Both military authorities and the Commissioner of the Naples Commune AMG have asked that the quantities of oil necessary for full operation of the Naples Thermal Stations be furnished. The Electrical Division of the Public Works and Utilities Sub-Commission joins in this recommendation.

For the Chief Commissioner :

GEORGE F. PARKER,
Lt-Col. Inf.,
Chief, Elec. Div.

FILE

79

Telephone 478805

HEADQUARTERS ALLIED COMMISSION
A.P.O. 394
Public Works and Utilities Sub-Commission
Electrical Division

31 Aug 45.

Reference: 051/PWU

Subject : Electric Power Naples.

77

To : H.Q. A.M.C. Naples Commune, A.P.O. 394.

1. Reference is made to this Division even number dated 28 Aug 45, para 3.
2. Total fuel oil available for consumption during August should read, 2545 tons and not 2615 tons.

L.G. PRICE

for the Chief Commissioner,
cc: A.P.O. Post Sec R.A.A.C.

L.G. Price, Major R.E.
for Lieut Colonel
Chief Elect Division.

Telephone 478805

HEADQUARTERS ALLIED COMMISSION
A.P.O. 394
Public Works and Utilities Sub-Commission
Electrical Division

FILE

78

Reference: - 051/PWU

28 Aug 45.

Subject : - Power Station - Luchis.

To : - H.Q. I.M.G. Naples Command, A.P.O. 594.

1. Reference is made to your C/1257 dated 6 Aug 45, Para 2.
2. It is reported that Ethyl Chloride is available at; Montecatini via A. Volta 45 Saronno (Varese Province) which chemical is neither controlled nor restricted.
3. It is suggested that S.A.F.E.M. contact Montecatini direct.

L. G. PRICE

L.G. Price, Major R.S.
for Lieut Colonel
Chief Elect Division.

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Telephone 473805

HEADQUARTERS ALLIED COMMISSION
A.F.O. 392
Public Works and Utilities Sub-Commission
Electrical Division

FILE
77

28 Aug 45.

Reference: 053/PWU

Subject : Electric Power Naples.

To : R.C. A.M.G. Naples Command, A.P.O. 392. 76

1. Reference is made to your C/1353 dated 25 Aug 45 regarding fuel oil supplies to Capua's Steam Station Naples.

2. The question of future fuel supplies to Capua has been taken up with A.F.M.Q. Pat Sec R.A.A.G. which Section has informed us that fuel oil for civilian uses, is not coming into the Country in large quantities, it is necessary therefore, to exercise strict economy.

3. During May, June, and July 45, the average fuel supplied to Capua was, 17500 barrels or 2620 tons, the stock on hand on 31st July was 390 tons and the authorized release for August is 2065 tons plus 160 tons, making a total of 2615 tons available for consumption during August.

4. For September, the authorized release to Capua will be 2359 tons, the same will be "alotted for" for October, but it is hoped that when Southern Italy is interconnected with the Centre and the North, the consumption of fuel oil at Capua can be further reduced.

79 refers

L.G. PRICE

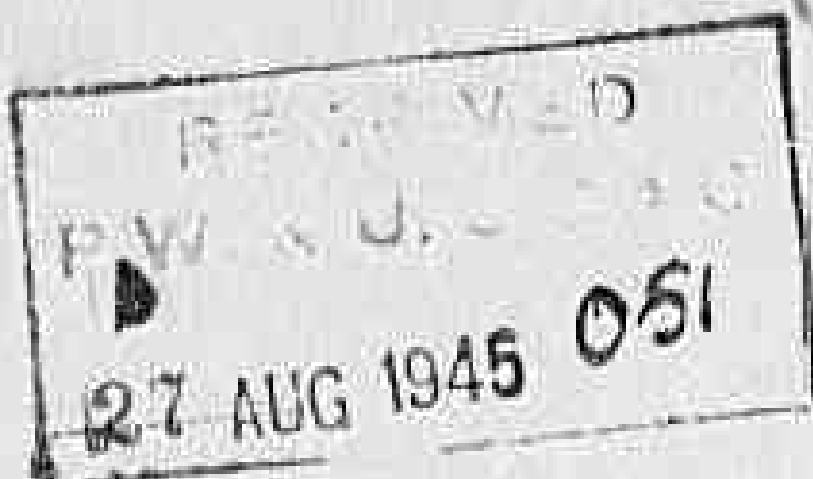
L.G.Price, Major R.E.
for Lieut Colonel
Chief Elect Division.

cc A.F.M.Q. Pat Sec R.A.A.G.

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
NAPLES COMMUNE
APO. 394.

76

25 August, 1945.



C/1353.

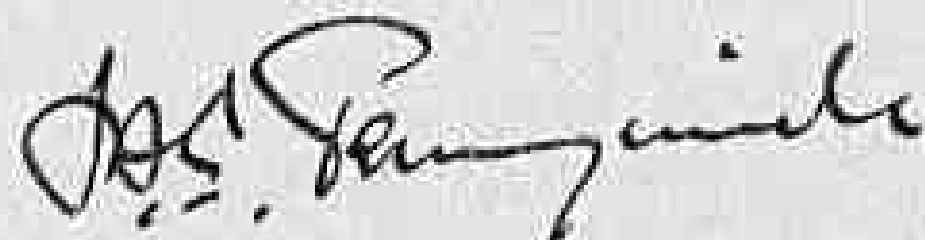
SUBJECT : Electric Power in Naples.
TO : HQ. A. C.
(Att. Public Works & Utilities Sub-Commission).

1. I write to draw attention to the seriousness of the fuel oil situation as regards Electric Power in Naples.
2. The position is that Naples is dependent on Hydro-Electric Stations, in particular SILA, supplemented for peak periods by the Capuana Thermal Station, which uses fuel oil, and a small power Diesel Station.
3. The hydro electric stations are having difficulties due to shortage of water and if the single supply line from Sila should fail, the whole of Naples area would be virtually without electricity beyond what the thermal station can produce.
4. The thermal station has only one out of 3 generators in action owing to bomb damage to the boilers and the fuel oil for this station has been cut from some 3000 Tons, to 1500 tons a month. The latest cut was also made, I am informed, unexpectedly.
5. The result is that reserves of fuel oil, which must be kept to allow for a possible failure in the Sila supply, are below 400 Tons or less than a week's supply and drastic action has had to be taken to restrict consumers during peak hours. This includes:
 - (a) - A cut of 30% on the electric tramway service;
 - (b) - A similar cut on the electric railways;
 - (c) - A 30% cut on certain big firms, e.g. Ilva, Navalmeccanica, etc.
 - (d) - The complete cut of certain less essential consumers;
 - (e) - A cut in street lighting and other services.



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6. These measures will affect employment and are already causing complaints from essential services, e.g. the output of the ordnance paint factory is affected, and I feel that these restrictions are in the nature of a retrograde step.
7. To alleviate the position, the Royal Navy were approached and they are willing to let the E.L. Station have 800 Tons of oil at once, subject to permission for the transfer being given. The oil is here in Naples, it is no longer an essential reserve and the Company is willing to pay for it. May this, please, be confirmed.
8. In view of the changed war situation, it would seem essential for us to do all that we can to get the life of the country going. In this case oil is apparently available and money or credit, is also available to pay for it. May consideration, please, be given, therefore, to secure the immediate release of more fuel oil for Naples, a total of 3000 tons a month is required for the Capuano Thermal Power Station. If industry has to be restricted, unrest will be created, particularly at a time when returned prisoners of war are expected. In fact efforts have been made, recently, to increase the output of Capuana Thermal Power Station by repairs to the boilers.



J. A. C. PENNYQUICK
Colonel
Commissioner

618

Tel : 489081

Ext : 317

HEADQUARTERS ALLIED COMMISSION

VSR/sg

APO 394

Public Works and Utilities Sub-Commission.

File

75

051/FWU.

21 Aug 45

Subject: Material needed for Sant'Angelo
Generating Station, Ischia.

To : Commissioner, Naples Commune.

1. In reply to paragraph 3 of your letter dated 6 August, Reference C/1257, Subject : Power Station, Ischia, a representative of the Florence office, Electrical Division, visited the Odero - Terni - Orlando Company in Spezia. He learned that an order for the material mentioned in the reference letter had been placed on 18 July, 1945, that the order had been later confirmed by letter, and that it will be ready for delivery by 1 September.

2. The order is described as being a duplicate of a previous order which was completed, but the material on which was lost, or destroyed during military operations. The pieces of equipment now under manufacture and fabrication include one oil cooler, oil regulator (presumably a pressure regulator), some valves tubing, and a tachometer.

3. The work will be followed and any possible assistance will be provided in arranging transportation to Naples.

By command of Rear Admiral STONE :

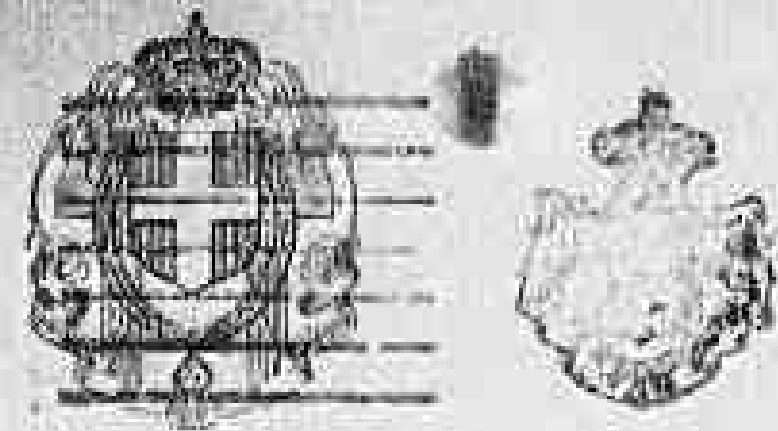
GEORGE F. PARKER,
Lt-Col., Inf.,
Chief, Elec. Div.

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

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Mod. 41

RO/RO



Roma 13 AGO 1945 74

Ministero della Marina

GABINETTO

MINISTERO DEI LAVORI PUBBLICI

= ROMA =

e, per conoscenza:

MARICOST

= ROMA =

MARINARSEN

= TARANTO =

MARINA

= TARANTO =

DIVISIONE ELETTRICA DELLA COM-

MISSIONE ALLEATA

= ROMA =

INDIRIZZO TELEGRAFICO: MARINA - ROMA

Prot. N° 16028/2 Allegati

RECEIVED
P.W. & J.S/C A.C
14 AUG 1945 051

ARGOMENTO: Centrale termica di Taranto.-

1°) - Sono intercorsi nel mese di luglio del c.a. accordi fra la Direzione delle Costruzioni Navali dell'Arsenale di Taranto e la Società Meridionale di Elettricità circa l'aumento di energia elettrica della Società in questione tramite l'apporto delle Centrali Termiche di Taranto.

Tale fornitura avrebbe luogo senza impegno nella misura di 2000 Kw per 10 ore giornaliere durante il periodo 1° agosto - 30 novembre.

2°) - Questo Ministero date le precarie condizioni di vetustà dei macchinari avanza riserva sul programma prospettato da Maricost Taranto.

3°) - Tenute presente quanto sopra si prega codesto Ministero interessare la S.M.E. perché assicuri la fornitura all'Arsenale di Taranto di almeno 2000 Kw fino a che sarà possibile realizzare la prevista produzione di energia a mezzo delle Centrali Termiche e fino alla concorrenza di 4000 Kw ove la suddetta produzione dovesse cessare o essere ridotta.

IL CAPO DI GABINETTO
G. di V. G. MARICOST

Translation attached

TRANSLATION

By : C.Tatti/ct

MINISTRY OF NAVY
Gabinetto

13 Aug 45

REFERENCE : 16028/2

TO : Ministry of Public Works

SUBJECT : Thermal Power Plant at Taranto.-

1. During the month of July 45, the Direction of Naval Constructions of Taranto Shipyard and the Società Meridionale Eletticità reached an agreement on the increase of electric power of latter Co., through the output of Taranto Thermal Plants.
2,000 KW for 10 hrs daily should be supplied during the period from 1st Aug to 30 Nov, with no engagement
2. This Ministry, considering the poor condition of the machinery, is quite reserved in respect of the programme set forth by Maricost Taranto.
3. Considering the above, will your Ministry please arrange with S.M.E. that they ensure supply of at least 2,000 KW to Taranto Shipyard, till when it will be possible to produce estimated amount of electric power by Thermal Plants and up to 4,000 KW, should same production should be reduced or discontinued.

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THE CHIEF OF CABINET
Capt. G. Marini

Tel. 489081
Ext. 317

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

IWL
73

051/PWU

9 August 1945

Subject : Power Supply Island Ischia
To : MINISTRY OF PUBLIC WORKS
(Att. Eng. Asto)

1. Two tons of either "ethyl chloride" or "dieline" are needed by SME to place into operation the 300 KW natural steam plant on the Island of Ischia in order to relieve the power supply situation and to cut down on the fuel oil requirements of the obsolete plant now being used.
2. A search should be made at the chemical plants in Northern Italy, equipped to furnish this material and the SME notified so that arrangements can be made by them to purchase it.
3. If none is available in Italy the necessary steps should be taken to arrange for importation.
4. Regarding para 3 of attached letter c/1257 dated 6 August 1945 this Sub-Commission is making an inquiry to determine the status of the material being manufactured by the "ODER-TERNI-ORLANDO" Company at Spezia and will inform all interested parties of our findings.
5. Certain Naval repair shops on the Island depend on electric power for their operations and prompt attention is required.

G. F. Parker
GEORGE F. PARKER
Lieut-Colonel Inf.
Chief, Elec. Div.

cc : COMMISSIONER NAPLES COMMUNE

Enclosure :
copy letter Naples Commune C/1257 - 6/8/45

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see folio 71

Vol. 478906

HEADQUARTERS ALLIED COMMISSION

file

VBR/et

Inter Office Memo

051/PWU

6 AUG 45

Subject : Electricity Situation in Southern Italy,
6 August 1945.

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To : Chief, Electrical Division
From : Operation & Transmission Dept.

1. Because there have been some reports that a supply of electricity had been allocated for the Crotone plant during August, I called Major Stevenson, No. 3 District, to learn the situation.
2. He said that a S.M.E. engineer last week informed him that word had been received from, he believed, Ing. Barluzzi, that 8,000 KW and 4,000,000 kilowatt hours per month had been allocated for the plant, but that later, S.M.E. had reported that the original information was in error. Upon receiving the first report, Major Stevenson cautioned the S.M.E. company not to plan for the starting of Crotone pending the receipt of a written confirmation. It was not his intention for Crotone to be started on a large scale, until the electricity was actually found to be available. He understands that the Crotone plant is still receiving a small amount of power.
3. Within the last few days, however, two instances of trouble have occurred at the Timpa Grande plant, in the Sila development. At the plant are two 27,000 KW units and two 15,000 KW units. Normally one small and two large machines are run, and during peaks, the other small machine is run as well. Last week, both of the 14,000 KW units were taken out of service. Difficulties were experienced with the cooling system of one machine, and it is expected that repairs will be made by today or tomorrow, and that the machine will operate again. The other machine was stopped after excessive sparking in the exciter. This, according to Major Stevenson, was believed due to accumulation of static charges. The machine was started again, and a loud noise was heard in the alternator. The machine was stopped again, and Major Stevenson did not have any information as to what caused the noise, since examination of the machine was not completed. He was led to believe however that there will be a long outage. In the meantime, it was

necessary to cut load by 9,000 KW on Friday, 3,000 of which was made in the Naples area. On Saturday the load was cut by 12,000 KW, again 3,000 KW of which was in the Naples area. Additional boilers at Capuana have been lit off, permitting that station to carry 30,000 KW. Major Stevenson says there is some question as to whether the augmented load can be carried long at Capuana, because of the condition of the boilers. Also, the plant at Taranto has been started, and is carrying part of the Navy yard load.

VINAL S. RENTON,
Lt.Col., Inf.

Copy to :

Ministry of Public Works
(Attn' Prof. Asta)

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
NAPLES COMMUNE
APO. 394.

6 August, 1945.

C/1257.

SUBJECT : Power Station, Ischia.
TO : HQ. A. C.
(Public Works Division)

RECEIVED
P.W. & U.S./C.A.C
8 AUG 1945 051

1. With further reference to my letter of the 16th July, I forward : (a) a copy of a letter dated 18th July from N.O.I.C., showing the difficulty the Navy are having with the present old Diesel E.L.Set at Ischia, and (b) a report on the new power stations in Ischia which may be of technical interest.
2. It will be seen from (b) that the new and complete 300 Kw. station at Cetara, could be operated on either Ethyl Chloride (C2 H5 Cl) or "dieline" (C2 H2 Cl2) and only 2 tons of this is required.
3. With regard to para 5 of my letter of 16th July, the small natural steam station at Sant'Angelo, Ischia, will only produce about 100 Kw.. Some of the fittings for this, I am now informed, are being made in Spezia, and assistance is asked for in getting them completed and sent to Naples quickly. They consist of a regulator, an oil cooler, an oil tank and valves, all at the Company ODERO-TERNI-ORLANDO, Via del Nolo 1, Spezia.

*Mayer Benjamin
asked to check
this, by phone.
Raf/8*

J. A. C. Pennington

J. A. C. PENNINGTON
Colonel
Commissioner.

Encl.

75 refers
78 refers

611
7 2 345
AUG 1945

DUPLICATE

(a)

The Office of the Naval Officer-in-Charge,

NAPLES AREA.

18th July, 1945.

No. 135/19.

COLONEL. J.A.C. FENNYQUICK, D.S.O.,
 ALLIED MILITARY GOVERNMENT,
 NAPLES.

SUBJECT:- ELECTRIC SUPPLIES AT ISCHIA.

It has been reported to me by the Naval Officer-in-Charge, Ischia that service electric power at Ischia is at present supplied by a small station which consists of a collection of diesel engines all of which are practically worn out. As a result of this the supply of electric power to the Allied Services is not reliable and subject to frequent breakdowns.

2. The maximum out-put of this plant is 250 K.W's, but experience has shown that when the plant is working at this capacity frequent breakdowns take place.

3. The present deplorable state of the diesel engines in the Power Station is due:-
 (a) to the fact that engines are very old.
 (b) no spares have been available to effect any major repairs.
 In addition the heavy commitments during the last 18 months have been an additional strain on plant equipment.

4. An application has been made for the services of the "Electric Ark" (an old E.C.T. fitted with an electric power plant) to supply Naval needs during the refit of the power station but her allocation has not been made and remains doubtful. It is understood that a new electric power station near St. Angelo is nearly ready for service and it is suggested that every possible step be taken to expedite its completion in order to avert the threatened complete breakdown of electric services in the island.

JAMES C. COLVILL
 CAPTAIN, ROYAL NAVY.

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SOC. AN. FORZE ENDOGENE NAPOLETANE
S. A. F. E. N.

1944

file
051 72 (B)

On the activity of the "S.A. FORZE ENDOGENE NAPOLETANE" (SAFEN)

The firm SAFEN (Neapolitan Endogenous Power Co.) was constituted in 1938 with the purpose of studying and later industrially exploiting the phenomena of gases, vapours and thermal water existing in the Campania Region.

At the beginning of our studies, the elements which could help us into such a complex research work were very limited. It was therefore necessary to perform topographical, geological, geophysical and geothermal surveys before and during the borings with the cooperation of the Institutes of Naples and Milan Universities.

As for the technique of perforation in hot grounds advantage was taken of the pluridecennial experience of the "Società Lardarello" who since 23 years were able to realize in the Toscana Region the problem of practical exploitation of geothermal energy.

The chosen areas were the ones of "Campi Flegrei" and "Isole Flegree", which are geologically well defined and distinct from the larger that constitutes the Campania. While the semicircular mountain range of the Appennines, in which most part of the latter is included, from the Circeo Promontory to the Campanella Point., consists essentially of marine sedimentary layers, the aggregate of hills and mountains scattered in the "Flegrei" area was formed from several volcanic craters which are to-day more or less ruined and levelled from atmospheric agents. It may be supposed that the said soil constitutes a layer of which the actual thickness is not known at present.

Not much remains in this area of the ancient violent and explosive endogenic activity which continued with interruptions up to the 16th century; the only active phenomena at the present day are the "Solfatara", the "Conca di Agnano", a few more scattered in the "Rione delle Mofete" area, between Lacrino and Fusaro Lakes, as well as the ones in various and numerous areas in the Island of Ischia. All these localities are very near to the sea or

SOC. AN. FORZE ENDOGENE NAPOLETANE

S. A. F. E. N.

to the lakes; this is a point which, as it later appeared while the work was carried out, influence the nature of the said phenomena and renders the technique of research more complicated, because the superficial water layers must be avoided.

In Tuscany, the "Società Lardarello" is operating in a hilly ground of very old origin, at a considerable distance from the sea, and often no water is found at all; the "Safen" has always found during the drillings water of various degrees of heat at sea level.

Also in areas in the proximity of Vesuvius some borings were to be attempted, but the increasing difficulties due to be the war condition did not allow it.

Since the beginning of its activity, until December 31st, 1944, the "Safen" performed 9 drillings, from 667 ft. to 2330 ft. deep, with a total of 11886 ft. and 80 explorative drillings, from 56 ft. to 300 ft. deep, amounting to a total of 7200 ft. all of them in the Island of Ischia, or in the "Campi Flegrei".

CAMPI FLEGREI

In this area five deep perforations were made (two have just been started again, after a long pause on account of the war events), and numerous explorative drillings.

The explorative drillings revealed the presence of a thermal water sheet, approximately at sea level at a surface temperature from 40° to 103°C with a tendency to increase at greater depth.

The results obtained from the five deep holes confirmed the existence of considerable quantity of geothermic energy in the sub-soil.

The water-temperature increased with the depth: 225°C at the bottom of the hole named GLV7 (1950 ft. deep) and 220°C at bottom of hole named GLV17 (1750 ft. deep).

The above mentioned GLV17 hole was artificially created by explosion on April 7th, 1942, giving way to a water column, steam and turbid material,

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SOC. AN. FORZE ENDOGENE NAPOLETANE

S. A. F. E. N.

about 400 ft. high. Measurements made a few days later showed a temperature around 100°C and an output of about 22,000 lbs/h of steam and 10 litres a second of hot water. Continued measurements showed a steady decrease of the amount of erogation, which came to a stop four months later.

The other hole, named "CLV17", also presented, in the course of perforation, artificially created, explosive phenomena, but they lasted only for a few minutes. The forced suspension of work, when a depth of 1760 ft. was reached interrupted the series of observations which actually, with the resumption of work, is hoped to be continued to a depth of about 2330 ft.

The remaining holes, although a considerable thermality of the sub-soil was noticed, did not explode spontaneously, and it was not advised to make any attempts as to cause an explosion.

Work has been resumed not only for the said hole "CLV17" but also for the one named "CLV20", both being drilled until August 1943.

ISLAND OF ISCHIA

The explorative as well as the deep holes revealed some geophysical characteristics of the sub-soil, rather similar to those found in the "Campi Flegrei".

We were encouraged however by some favourable and persistent manifestations to lead our work towards a phase of practical realisation, with the construction of two thermo-electrical power plants with different characteristics, that should be considered as pilot-plants, in the localities of Cetara and S. Angelo. The particulars of these plants, still in setting-up stage, will be described further along.

Particularly on the Cetara beach a thermal water sheet of easy captation was formed at a few yards below the ground level. In another locality, S. Angelo, the hole named "BV1" exploded spontaneously on February 6, 1942, with a steam ejection of 1900 lbs/h.

For the first two years the erogation remained more or less stationary, and

SOC. AN. FORZE ENDOGENE NAPOLETANE

S. A. F. E. N.

by this we were led to the construction of a plant. At the present day a decrease in output has been noticed, caused presumably by encrustings, but it is hoped that this inconvenience will be avoided.

A further hole exploded on the 16th June last giving way to a steam jet of 5000 kg/hour at a pressure of 1,40 absolute atmosphere.

It is difficult to resume in a few lines the results of years of complex and hard research-work; however the following statements can be drawn:

1. Volcanic soils have been found, and particularly "tufus" of various ages, but no regular successive stratigraphy could be noticed. With the drills at our disposal that could be sunk to a depth of 2330 ft. the ancient soils could not be reached.

2. The existence of thermal energy in the sub-soil has been ascertained, from the progressive increase of water thermality, as well as from the explosions.

Apparently some steam-currents, originated by magmatic masses at a few km. of depth, in various advanced phase of cooling and solidifying reach at a certain point through a system of fractures the underground water, and raise its temperature.

3. In consequence of what said above, the research work should as far as possible avoid thermal water and should either look for areas where magmatic gases are more likely to be found, or exclude the water by a more accurate technique in the borings. In this sense were orientated the last month works.

It would be desirable to be able to dispose of an engine that would be capable of attaining 6600 ft. depth.

The "Safen Co." began negotiations, subsequently interrupted on account of the war, for the purchase of an engine of this kind.

It is to be pointed out that very few borings in Italy have ever attained a depth of over 3300 ft., and these almost exclusively in the ~~606~~ valley of

SOC. AN. FORZE ENDOGENE NAPOLETANE

S. A. F. E. N.

researches of rock oil.

GEOHERMICAL POWER PLANT IN ISCHIA

The utilisation of thermal waters for the production of electric power has been realised with high molecular weight vapour turbines, according to the patents of Prof. D'Amelio of Naples University.

The thermal water heat is transmitted through metallic walls to a boiler containing pure water, constructed as an usual heat-interchanger of a structure similar to a surface condenser. Into the pure water, heated by the thermal waters, ethylchloride ($C^2 H^5 Cl$) (M.W.-64 instead of water M.W.-18) is injected. Ethyl chloride evaporates in the water at the expense of its heat and forms ethyl chloride vapour mixed with an unappreciable quantity of water vapour. The vapour thus produced is sent to an action turbine, very simple, with only one wheel with low radial speed, which becomes possible, due to be the special fluid used in it. The discharged vapour is condensed in an usual surface condenser fed by sea water, and the condensed liquid, without any appreciable loss, is sent to be the boiler, starting the cycle over again. High molecular weight vapour, owing to its low outlet velocity, much lower than for water steam at the same temperature, allow to make use of very simple high yield engines and also less bulky, due to the low specific volume of its vapour.

A source of thermal water at $55^{\circ}C$ behaves itself, in the presence of sea water at $25^{\circ}C$, as a waterfall of the same output and with a fall of 6000 ft. taking the transmission losses in consideration.

With the said engines, it is possible to exploit thermal waters of much lower temperature.

The natural source should be firstly used in a natural steam turbine, and their discharge sent to engines similar to those used for thermal waters.

This is because a large percentage of gases in the steam would not permit to use it in ordinary steam turbines at such a low temperature and pressure.

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SOC. AN. FORZE ENDOGENE NAPOLETANE

S. A. F. E. N.

6.

In the Island of Ischia two units for the utilization of geothermal energy have been constructed, and they are ready to be put in working order.

One of them is at Ischia-Cetara, using lukewarm, and has a total power (i. e. after subtraction of the energy used for pumping water, etc.) of 300 KW; the other one is at S. Angelo, using natural steam, for 100 KW, with a spheric discharge, to be completed with the heavy vapour turbines, which should bring the total power to approximately 600 KW.

This last unit is nearly completed, as there has been a delay caused by some spares yet to be obtained on account of the war.

The Ischia-Cetara unit needs to be set into action 2 tons of ethyl chloride ($C^2 H^5 CL$) with unfortunately is not available in Italy. Instead of ethyl chloride, "dioline" ($C^2 H^2 CL^2$) could be used.

The running into action of the Cetara and S. Angelo units, will permit the gradual substitution of the thermo-electric plants that presently supply electric power for civil necessities and for the needs of the Ischia Port navy yard, at the service of the Royal Navy.

In the first stage of the starting, at a running of six hours a day, tons 4.320 of gas-oil could be monthly saved by the getting into action of the S. Angelo unit (80 HP) and tons 13.500 by the Cetara unit (250 HP), which as been entirely completed, but it is missing ethyl chloride.

Presently the total gas-oil consumed in the Island of Ischia is about tons 300 per year.

Naples, July 23^d, 1945

tel. 489081
Ext. 317

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

VSR/ac

70

Reference : 158/PWU

21 July 1945

Subject : Availability of Electricity
Central and Southern Italy - August 1945

To : SECRETARY ELECTRIC POWER COMMITTEE AFIR(I) B

1. For the month of August 1945, the following quantities of electricity are available for allocation as measured at Sub-Stations :

		<u>Central Italy</u>	<u>Southern Italy</u>
kw	$\times 10^3$	= 204.0	137.25
kwh	$\times 10^6$	= 113.0	67.90

2. North Italy is now supplying the Florence area with 50 cycle power over 1 - 120,000 volt and 3 - 60,000 volt lines recently repaired. The northern supply has not yet been carried below Florence because the Central Italy Grid is still operating at 45 cycles.

3. Interconnection of North Italy with Central Italy awaits operation of the third 35,000 KW unit at Galleto (Terni). This machine originally expected ready on 20 July is now scheduled for the end of the month. With the starting of the third Galleto unit the frequency of the Central Italy Grid will be increased to 50 cycles, after which the increased allocation will be available.

For the Chief Commissioner,

W.M. LAFFER
Lieut-Colonel
Chief Elec. Div.

cc : file 051

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RECEIVED
P.W. & U. S/C A.C.
18 JUL 1945 051

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
NAPLES COMMUNE
APO. 394.

P W + V

69

16 July, 1945.

C/1168.

SUBJECT : Power Station Ischia.
TO : HQ. A. C. ✓

HEADQUARTERS
18 JUL 1945

1. I paid a visit recently to the new Ischia electric Power Stations. The present situation is that electric light and power is supplied by a Diesel set producing up to 300 Kw. and said to be unreliable. About 300 Tons of Diesel Oil per annum are used. This supplies the island of about 30,000 inhabitants with light and the British Navy, who require electricity for living quarters and for repair shops. The Naval Command is not happy over the position and is considering asking for special floating Diesel power plant to be sent to the island.
2. At Oetera on the West side of the island there is, however, in existence a new power station designed for an output of 300 Kw. and complete in every detail. It is to be operated by natural hot water existing on the site at a temperature of about 95° C. This station has an extremely interesting small power plant relying on a turbine to be driven by Ethyl Chloride (C₂ H₅ Cl) gassified in a hot water cylinder and then cooled off after passing through the turbine.
3. The plant is complete and all that is required is:
 - (a) - A supply of hot water pumped up from the shallow wells on the spot (electric pumps complete and available)
 - (b) - A supply of cooling water from the sea; the station is on the shore. (Electric pumps complete and available).
 - (c) - A supply of one and a half to two Tons of Ethyl Chloride.
4. It will be seen, therefore, that a small supply of 2 Tons of Ethyl Chloride will save approximately 300 Tons of Diesel Oil per annum. The expenditure of Ethyl Chloride, which goes round in a closed circle, is n60] expect-

71 2/2/45

ed to exceed 5% per annum, after the plant is started up. In view of the anxiety expressed by the Navy, may an effort, please, be made to get the Ethyl Chloride quickly, which will, of course, be paid for by local firm, Società Anonima Forze Endogene Napoletane.

5. There is a third power station also new, complete, and not yet operating at Sant'Angelo on the South side of the island.

This small station will operate by natural steam which comes up under pressure out of a bore hole over 200 meters deep and with approximately double the output of electric power in Ischia.

The station is also complete except for valves and washers and certain other minor fittings, all of which can be made in Naples and are ^{now} in hand. It should be in operation in 2 or 3 months time and will then require no fuel.

6. Both the new stations connect into the existing local grid, and were about to be put into operation two years ago.

The only immediate requirements is 2 Tons of Ethyl Chloride.

J. A. C. Pennyquick

J. A. C. PENNYQUICK
Colonel
Commissioner.

Copy to : N.O.I.C., Naples.

Mod. CP. 4

MINISTERO DEI LAVORI PUBBLICI
Ispettorato Generale
per CONSERVAZIONE ACQUA E GAS
Italia Meridionale
N. 632/III-B-2

Napoli, addì 14 luglio 1945

68

Ab: H.Q. Allied Commission,
Public Works and Utilities
Sub-Commission, Electricity
Division.

Risposta al foglio del
RECEIVED
Div. F.W. & U.S.C.A.C.
Allegati N.° due
17 JUL 1945 051

Via Vittorio Veneto
ROMA - A.P.O.394

OGGETTO Turno di riposo per la
limitazione dei consumi di energia elettrica.

Att.Col.Lapper

Secondo quanto comunicatomi dall'Ing. Masturzo, direttore della Società Meridionale di Elettricità, rimetto per conoscenza copia della nota diretta da questo Ispettorato alle R. Prefetture dell'Italia Meridionale per l'emissione delle ordinanze relative al turno di riposo settimanale per le industrie utilizzanti energia elettrica.

Allego inoltre la tabella del turno festivo prestabilita d'accordo con la Società Meridionale di Elettricità.

L'Ispettore Generale ff.

Placido Ruggiero
(Placido Ruggiero) 599

*No enclose
attached sent by
hand to Vianchi
16-20 hours.
17 July.*

Si prega trattare per ogni lettera un solo argomento, e indicare nella risposta il N. di Protocollo a cui si risponde

P.W. U.
14 JUL 1945 05

HEADQUARTERS
ALLIED MILITARY GOVERNMENT.
NAPLES COMMUNE
APO. 394.

12 July, 1945.

C/1151.

SUBJECT : Electric Power.
TO : HQ. A. C. ✓
(Attention Public Works and Utilities).

67

1. I attach for your consideration a request for help from the Ente Autonomo Volturmo asking for:
 - (a) - The diversion of two turbines ordered for Sicily and believed not to be required there, so that they may be used in the destroyed works at Colli. The fall for which these turbines were designed happens to be almost the same as that at Colli.
 - (b) - A pump and a motor to enable their Naples Diesel plant to function at increased capacity. At present owing to lack of cooling water, only one of the two 3,500 Kw. plants can be run at a time.
2. As some anxiety is being caused over lack of water, Sila and Tanagra, any method by which we can get an increased supply of Electricity for Naples area is, I feel, to be encouraged. May these requests, please therefore, be considered.

For the Commissioner.

14 JUL 1945
ALLIED COMMUNES

Guy I. Warren

GUY I. WARREN
Lt. Col.
Deputy Commissioner.

Encl.

ENTE AUTONOMO VOLTURNO
Via Cisterna dell'Olio 44
N A P L E S

10 July 1945.

To : Col. Pennyquick.

SUBJECT : Machinery required for reconstruction work.

At Riva Company's Milan work there is nearly completed the construction of three Pelton Wheels of the capacity of 4200 Kw. each the characteristics of which would make them suitable for the Volturno plant.

These wheels had been ordered by the Sicily General Electric Company (Società Generale Elettrica della Sicilia) late in 1942 for "Flatani" plant, the construction of which was being started at that time.

The erection of the hydraulic structures for that plant is much in arrears, if not to be started at all: no damage would be done to the Sicily General Electric Company should the machines already built be delivered to "Volturno" whilst the construction of new machines for "Flatani" plant should be started. The Volturno urgently needs two at least of these wheels. The Riva Company is willing to deliver the wheels, provided is authorized to do so. In this way the Volturno Corporation would already be in a position to start the reconstruction of its own plants.

The generators had been ordered to the Marelli Co., which has not yet started their construction but would be able to deliver them within six months. The only difficulty is to obtain the necessary sheet iron. For these generators I have also applied to the Tecnomasio Italiano Brown Boveri of Milan, as well as to the Ansaldo Company of Genoa. It appears that the latter has the necessary raw materials available.

I therefore kindly request you to take all necessary steps in order that all difficulties may be removed, as far as Riva Company is concerned and we may obtain priority for the delivery of the wheels, in the meantime we could earnestly negotiate for the generators and have their construction promptly carried out.

These wheels had been ordered by the Sicily General Electric Company (Società Generale Elettrica della Sicilia) late in 1942 for "Platani" plant, the construction of which was being started at that time.

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I therefore kindly request you to take all necessary steps in order that all difficulties may be removed, as far as Riva Company is concerned and we may obtain priority for the delivery of the wheels, in the meantime we could earnestly negotiate for the generators and have their construction promptly carried out.

For our thermic station two electric pumps, formerly of Ansaldo-Marelli make, are required, as follows:
Centrifugal Pump - Sea water capacity 240 Litres ~~per~~ ^{per second}, total manometer head 14 metres, speed 870 p.m. power absorbed 65 HP
Asynchronous motor - 75 HP 500 Volt. (or 260) 45 cycles 870 r.p.m.

Formerly this motor was equipped with starting rheostat and contactor automatic control, which device is not easily obtainable to-day. This may perhaps be conveniently replaced by a two-cage motor.

I am pleased to thank you once again for your benevolent consideration and the interest you have taken in our work, and we hope this will ever deserve your appreciation.

With kindest regards, I am,

Yours faithfully,
 Prof. Ing. Guido Maltoni

Lt Col. Laffin

our report shows available
for Aug at plants 155,000 kW and 78,000,000 kWh
Attached costs for 162,000 kW and 83,000,000 kWh

Subject :- Electricity - Southern ITALY.

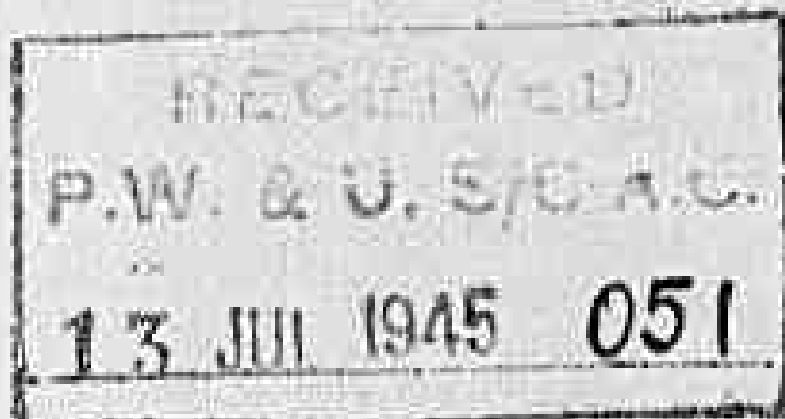
HQ, Allied Commission,
Elect Div, Public Works and
Utilities. APO 394.

Chief Engineer,
3 District CEF,
BASEBALL Sq.
CE 6004/2/1,

// July '45.

65

1. As requested by Ing MASTURZO SEE Coy, the enclosed proposed allocation of electric power for Southern ITALY for the month of August 1945, is forwarded.



JS/GR.

J. Stevenson
Major
Brigadier,
Chief Engineer.

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ALLOCATION OF ELECTRIC POWER - AUGUST 1945

SOUTHERN ITALY

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak kW x 10 ³	PERMISSIBLE ENERGY kWh x 10 ⁶
Apulia Co.	3 District	36.0	19.5
To UNES	3 District	3.5	1.2
Naples District	PBS	37.0	19.5
Campania Co.			
(i) Frattamaggiore	PBS	3.5	2.0
(ii) Pomigliano	3 District	2.0	1.0
(iii) Salerno-Torre-			
Castellammare	3 District	19.0	10.5
(iv) Benevento	3 District	3.25	1.4
(v) Calore	3 District	1.00	0.6
(vi) Santa Maria	PBS	5.50	2.8
Lucania Co.	3 District	4.00	1.3
Railways, Naples Area	MRS	1.50	1.1
Foggia Benevento	MRS	8.00	3.0
Salerno Torre	MRS	2.00	1.1
TOTAL 150 kV Sub Stations		126.25	65.0
Calabria 60 kV System			
(i) Calabria Co.	ALCOM	8.50	3.0
(ii) Crotone Plant	ALCOM	8.00	4.0
(iii) Railways	MRS	3.00	1.7
TOTAL 60 kV Sub Stations		19.5	8.7
TOTAL 150 kV e 60 kV		145.75	73.7
TOTAL at Plants		162.00	83.0

Diversity factor for August, 0.93
 Losses factor 1.20
 Energy loss 13%

Naples, July 1945

EV/70

To UNES					
Naples District	3 District		3.5		1.2
Campania Co.	PBS		37.0		19.5
(i) Frattamaggiore	PBS		3.5		2.0
(ii) Pomigliano	3 District		2.0		1.0
(iii) Salerno-Torre-					
Castellammare	3 District		19.0		10.5
(iv) Benevento	3 District		3.25		1.4
(v) Calore	3 District		1.00		0.6
(vi) Santa Maria	PBS		5.50		2.8
Iucania Co.	3 District		4.00		1.3
Railways, Naples Area	MRS		1.50		1.1
Foggia Benevento	MRS		8.00		3.0
Salerno Torre	MRS		2.00		1.1
TOTAL 150 kV Sub Stations			126.25		65.0
Calabria 60 kV System					
(i) Calabria Co.	ALCOM		8.50		3.0
(ii) Crotono Plant	ALCOM		8.00		4.0
(iii) Railways	MRS		3.00		1.7
TOTAL 60 kV Sub Stations			19.5		8.7
TOTAL 150 kV e 60 kV			145.75		73.7
TOTAL at Plants			162.00		83.0

Diversity factor for August, 0.93
 Losses factor 1.20
 Energy loss 13%

Naples, July 1945
 NM/sc

594

Not attached

Power available at plants 155 - 152 MW

Energy available at plants 80 mil/kwhrs.

To meet the higher demand of the above allotment proper actions will be taken :

- Displacement of the rest day
- Decrease of Unes supply from 3,5 MW to 1,5 as soon as the Aventi-
no plant will be in operation.
- Operation of the Taranto steam plant (not less than 1,5 MW)
- Spilling water from the bottom of Sila Reservoirs in order to
obtain from Timpegrande and Calusia higher output
- Demand of Crotone plant controlled in such a manner that the total
amount of energy (4 mil/month) ^{will} be supplied at a higher peak load
in the less loaded days.

MINISTERO DEI LAVORI PUBBLICI

DIREZIONE GENERALE ENERGIA ELETTRICA

UFFICIO MOBILITAZIONE ENERGIA ELETTRICA
ISPettorato Generale Elettrica, Acqua e Gas

6 B

RECORDED
P.W. & U.S.C.A.C.
13 JUL 1945 057

COMANDO ARSENALE R. MARINA
T A R A N T O

e per conoscenza
MINISTERO DELLA MARINA

R O M A

SOCIETA' MERIDIONALE DI ELETTRI-
CITA'

Via Paolo Emilio Imbriani 42
N A P O L I

DIVISIONE ELETTRICA DELLA COMIS-
SIONE ALLEATA
R O M A

OGGETTO: Centrale termica di Taranto

Roma, 10 Luglio 1945

Prot. No. 1024

Risposta a nota del

5/Uspidi

Sono state esaminate in questi giorni le disponibilità di energia elettrica della Soc. Meridionale di Elettricità specie in rapporto alla possibilità che essa possa alimentare lo stabilimento di Crotone della Soc. Montecatini che come è a conoscenza produceo fertilizzanti.

Dopo aver escogitato tutti i mezzi per rendere ciò possibile, la Soc. Meridionale di Elettricità ha proposto di essere aiutata allo scopo mediante la produzione della Centrale Termica di Taranto di co-
testo Arsenale.

... di trasporto del-

13 III 1945 057

COMANDO ARSENALE R. MARINA
T A R A N T O

Roma, 10 luglio 1945

e per conoscenza:
MINISTERO DELLA MARINA

Prot. No. 1024

Risposta a nota del

SOCIETA' MERIDIONALE DI ELETTRI-
CITA'

Via Paolo Emilio Inghirami 42
N A P O L I

DIVISIONE ELETTRICA DELLA COMIS-
SIONE ALLEATA

R O M A

OCCETTO: Centrale termica di Taranto -

Sono state esaminate in questi giorni le disponibilità di energia elettrica della Soc. Meridionale di elettricità specie in rapporto alla possibilità che essa possa alimentare lo stabilimento di Crotone della Soc. Montecatini che come è a conoscenza produce fertilizzanti.

Dopo aver escogitato tutti i mezzi per rendere ciò possibile, la Soc. Meridionale di elettricità ha proposto di essere aiutata allo scopo mediante la produzione della Centrale Termica di Taranto di costo Arsenalale.

Tale Centrale oltre a diminuire le perdite di trasporto dell'energia termica essa prodotta nella centrale Maurizio Capuano a Napoli, migliorerebbe le condizioni delle disponibilità di energia e di potenza rendendo possibile quanto da noi desiderato.

Dato l'interesse generale che la cosa riveste, questo Ministero ha promesso di intervenire perchè da parte della Autorità Militare si faciliti quanto richiesto dalla Società Meridionale, rimandando naturalmente ai due Enti interessati gli accordi relativi alle modalità e alle condizioni di esercizio.

Vi preghiamo pertanto dato quanto è promesso di voler facilitare li accordi suddetti onde rendere possibile la immediata messa in funzione della Centrale Termica di Taranto.

592

Restiamo in attesa di Vostra cortesi informazioni al riguer

L'ISPIRITTORE GENERALE
(-arco Visentini)

Visentini

Chapman

Fold
63

- 1- 5/7/45; letter, file 051-607 P.W. Util S.E. A.E.
to Min. P.W.
- 2- 5/7/45; Telegram, file 214-88, D.W. to A.E.
- 3- 7/7/45; letter, file 214-89; Ind. S.E. A.E.
to Min. Ind.
C.C. P.W. Util S.E. A.E.
- 4- 8/7/45; letter, file 051-61, Min. P.W. to
P.W. Util S.E. A.E.
C.C. Montecofini
C.C. S.M.E.
C.C. Tenni G.
- 5- 10/7/45; letter, file 214-90, A.F.R.D.B. to A.E.
C.C. P.W. Util S.E. A.E.
- 6- 10/7/45; letter, file 051-62, P.W. Util S.E. A.E.
to Economic Section A.E.

- 2- 5/7/45; Telegram, file 214-88, Ind. S.C. A.C.
- 3- 7/7/45; letter, file 214-89, Ind. S.C. A.C.
to Min. Ind.
c.c. P.W. Util S.C. A.C.
- 4- 8/7/45; letter, file 051-61, Min. P.W. &
P.W. Util S.C. A.C.
c.c. Montecorini
c.c. S.M.R.
c.c. Tenni Co.
- 5- 10/7/45; letter, file 214-90, A.F.A.R. DB to A.C.
c.c. P.W. Util S.C. A.C.
- 6- 10/7/45; letter, file 051-62, P.W. Util S.C. A.C.
to Economic Section A.C.
c.c. A.F.A.R. (D) B.
- 7- 10/7/45; to Economic Section ~~9/29/45~~ ^{5/17/45} of 4591
of hotel. letters, letter 051-517/45
and Min. P.W. Util S.C. A.C.

Byls ³ R-5- A.F.W. Q. Freedom 541

Nothing

cable part 5th A.F.F.

Refer me directly
a detailed report

Tel: 478906

HEADQUARTERS ALLIED COMMISSION

VER/bb

INTER OFFICE MEMO

Folio 62

Reference: 051/PWB
 Subject : Conference Re Electricity
Availability in Southern Italy.
 To : ECONOMIC SECTION.
 FROM : P. Wks. & Util. Sub-Commission.

10 July 1945.

1. At the request of the Public Works and Utilities Sub-Commission, Allied Commission, representatives of the Italian Government and others met on 7 July 1945 to discuss the availability of electricity in Southern Italy. Those present were :

Prof. Eng. A. Asta	-	Italian Ministry of Public Works.
Prof. Eng. M. Visentini	-	General Inspector of Electricity, Water and Gas.
Eng. T. Masturzo	-	Societa' Meridionale di Elettricit�.
Eng. Mancinelli	-	Societa' Montecatini.

2. The following conclusions were reached in the meetings:

- (a) That a report submitted by the Chief Electrical Division, Public Works and Utilities Sub-Commission concerning the availability of electricity in Southern Italy is correct except for one detail; the actual availability is slightly lower because of lack of rain and consequential lower stream flow.
- (b) Small consumers will not be disconnected because of many ensuing difficulties.
- (c) The rest-day for large industrial consumers will be staggered in accordance with plan to be prepared by electric company.
- (d) Crotone will take less electricity than originally requested. New requirements will be 8-9,000 KW, and 44,500,000 Kilowatt-hours per month.
- (e) An attempt will be made to feed area north of Reggio from Central Italy instead of from South Italy, as now. Success depends upon voltage of supply arriving

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593

at area. Immediate success of scheme doubted because Central Italy voltage now low.

(f) The Italian Naval Ministry will be asked to start the steam generating plant at Taranto Navy Yard. This will involve the burning of fuel.

(g) If the steps outlined in sub-paragraphs (b) to (f) inclusive are taken, there will be sufficient energy for Crotona. However, with no increased electric supply to Southern Italy, the Sila reservoir will be empty by 15 November (it is hoped that a line to Southern from Central Italy will be finished in September.)

3. Because the present Societa' Meridionale di Elettricit  system is now overloaded, even with Crotona off, it is not considered feasible that Crotona can be reconnected until the action mentioned in the foregoing can be carried out. Consequently it is recommended that until such time as the Ministry of Public Works of the Italian Government submits evidence that all of the foregoing action can be accomplished, decision on resuming power service to the Crotona plant be reserved.

E. J. RISTERT,
Colonel, C.E.,
A/Director.

cc : A.F.L.S.S. (1) B.
cc : File 21A. —

Rome July 8th 1945

nr. 1014



To A.C. HQ.

P.W. & U. Subcommission

Electrical Division

Subject :
Electricity Southern Italy.

Answering your letter of July 5th 1945 nr 051/PWU we inform you that meetings were hold with the S.M.E. and Monte catini on the matter above mentioned, and the following preliminary conclusions were agreed.

1. Lt.Col.Lapper's report on the availability of electric power in Southern Italy during the six months ending 31st December 1945 was carefully reviewed. It seems to be quite correct as to the figures of output and power available in the S.M.E. grid at the date of June 15th.

The situation has become worse since then and the river flows are below the scheduled figures.

2. No discussion was possible on the date for completion of Terni-Pescara line and for starting the interconnection between Central and Southern Italy, as Mr.Angolini was in Milan. The discussion of this matter was delayed. This will not affect the figures concerning the first months of the operation program.

As to the Pescara-Archi line, the S.M.E. agreed it can be expedited, so as to be ready to be put into operation at the half of September, provided that angle-bars, transportation means and acetylene be immediately released.

3. Although, as above stated, Lt.Col.Lapper's operation program is quite safe, owing to the importance of Crotone plant in fertilizers production of all Central and Southern Italy factories, and also in order to meet the A.C. request to include the operation of the Crotone fertilizers factory, a less prudent operation program can be adopted.

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= 2 =

It will be assumed to completely empty Sila reservoirs in the period ending on November 15th in the assumption a rainy period may start before this date; for the above mentioned purpose to utilize water only in the 2nd and 3rd stages of Sila plants will be accepted.

This operation program will be reviewed every month and its data will be modified in agreement with the actual figures.

4. Even in this operation program the figures of power and output available do not allow to cover the complete diagram including Crotone plant. A curtailment plan must be adopted.

5. Owing to the present serious situations to curtail small customers would be judged unwise as the S.M.E. already adopted curtailments in some districts troubles occurred.

6. To curtail big customers the following agreements were taken.

a) A complete curtailment plan will be prepared by the S.M.E. for big industrial customers. Mainly a gradual slip of the weekly holiday will be adopted. The availability of energy which is expected from this action is estimated about 1,5 = 2 millkWhrs.

b) Arrangements will be made for the payment of workers Sunday work.

b) Crotone plant will also be subjected to curtailment.

To state details further discussions between S.M.E. and Montecatini representatives will take place in the S.M.E. offices in Naples. In any case Montecatini will limit the absorbed energy within 4=4,5 millkWhrs/month.

S.M.E. is requested to keep the allowed peak load as near as possible to 8=9 MW.

c) The UNES will be ultimately disconnect from Foggia S.M.E. substation in reference with the operation of Aventino plant and with the raising of the UNES grid voltage at its feeding centre in Galleto. In the mean time they will gradually reduce the power absorbed from Foggia; on the contrary the Terni Co. will increase the flow of power from Galleto.

This problem is submitted to the Master Load Dispatcher,

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- 3 -

to Terni, UNES Companies for further detailed examination and to the Advisory Committees of Central and Southern Italy to advise the Ministry of Public Works.

This action is not expected to give a reduction of energy absorbed from S.M.E. greater than 1-1.2 millkwhrs/month.

7. As the items 6a), 6c) are not sufficient to meet the demand corresponding to the item 6b), in order also to reduce transmission losses through local thermal production, the steam Station of Taranto will be operated at its full load as long as the power flow from Northern Italy will not enable to release the Sila reservoirs.

The Ministry of Public Works will take proper action through the Italian Naval Ministry to get the order for the immediate operation of Taranto steam plant.

The A.C. is requested to take a similar action through Taranto Allied Military Authorities for the same purpose.

Further informations will be given as soon as possible on detailed figures of power and output concerning the curtailment plan as well as the Terni-Pescara program.

The General Inspector

for Electricity, Water and Gas

Visentini

Distribution : Lt. Col. Lapper
 Eng. Visentini
 Eng. Asta
 Eng. Rota
 Eng. Ruggiero
 Eng. Pietromarchi
 Eng. Mosturzo
 Eng. Mancinelli (Montecatini)
 Eng. Angelini

Tel. 489081
Ext. 317

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

WHL/ac

File

60

Reference : 051/PWU

5 July 1945

Subject : Electricity Southern Italy

To : MINISTRY OF PUBLIC WORKS
(Attention Prof. Eng. Asta)

1. With reference to the discussions Eng. Asta and Lt. Col. W.M. Lapper regarding the electrical situation in Southern Italy.
2. It is understood that Eng. Masturzo - Manager of the Società Meridionale di Eletticità of Naples - will arrive in Rome on Friday 6th July 1945 and remain for a few days for the purpose of attending meetings at the Ministry of Public Works.
3. It is also understood that at these meetings a complete investigation will be made regarding the availability of electric power in Southern Italy month by month for the six months ending 31st December 1945.
4. As the flow of power from Central Italy will have to be taken into account it will also be necessary for Prof. Eng. Angelini of the Terni Company to be present and to set out his scheme showing completion date for the Terni-Pescara 150 KV line.
5. Having determined the amount of power which will be available in Southern Italy for the months of July to December 1945 inclusive, it is requested that a power flow arrangement be made so as to include the operation of the Crotona fertilizer factory. It is desirable that you also include a list of the consumers who will have to be shut down to make way for Crotona together with such remarks as you consider necessary.
6. Will you please give this matter your early attention.

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

OBSERVATIONS
on S.M.E. Memo

July
Elect Southern Italy
in Report Elect
for Crotone

Demand - (Table I)

1. Among the ~~estimated~~ figures of the monthly demand from April to December 1945 the first two ~~is~~ are effective figures corresponding to measures, the others are based on the figures from January to ~~May~~ 1945. Table I shows the complete series of figures. The total demand from 1-4-45 to 31-12-45 equal to 732,4 millkWhrs, is only slightly less than that S.M.E. report.
2. Crotone load is considered disconnected during the months of July to September. This means a reduction of about 20 millkWhrs in energy required to S.M.E.

Output -

1. The data of output monthly produced from August 1944 to May 1945 are plotted in the diagram of the report on "Electricity consumption Southern Italy", which has been completed up to last May.
 2. Also the diagram of energy stored in Sila reservoirs has been completed up to last May.
 3. The preceding data together with those of thermal production during the last nine months of 1944 (table II) allows to calculate the following figures :

total output from 1-4-1944 to 31-12-1944			
thermal production	millkWhrs	31.96	50.0
total runoff	"	412.18	412.0
energy produced by Sila reservoirs	"	162.00	186.0
total output		606.14	646.0
 4. It is not easy to make the comparison between these data of 1944 and those corresponding to 1945, estimated by S.M.E. (Annexe II of S.M.E. report). But one cannot help considering that the latter are not completely explained. (°)
 6. ~~Any~~ The situation is to be considered serious, above all
- (°) If one adds a total runoff of about 400 millkWhrs, and the steam production of 53 millkWhrs foreseen by S.M.E., a total of about 450 millkWhrs is obtained.

- 2 -

- if it is kept in mind that:
- a) the importation from Central Italy, during the last three months of 1945 will be less than 15 millkWhrs;
 - b) the fact that one unit is not operating at Sila I plant will cause a waste of water and a waste of output of more than 20 millkWhrs in the total period.
5. Surely a serious shortage of energy must be expected. This may be estimated perhaps not so great as the S.M.E. report states; but anyhow not less than 50 millkWhrs, if 216 millkWhrs are fed by Sila reservoirs.

Conclusions -

1. Surely some curtailment of energy is to be adopted in Southern Italy starting from next July.
2. Perhaps this curtailment must exceed the figure of 50 millkWhrs above considered.
3. It is to be kept in mind that Factories to be disconnected are to be chosen according to a priority criterion carefully established. Perhaps disconnecting of Crotone plants could be partly avoided provided that any other sure curtailment be adopted.
4. If the feeding of Crotone plants is continued and other Factories are disconnected, this is to be taken into account in any future requirement of surcharge of tariff advanced by S.M.E.

Rome, 16th June 1945

AA/ac

TABLE I

POWER DEMAND OF S.M.E. SCHEME

Demand from 1st August 1944 to 31 March 1945		millkWhrs
August	1944	64,5
September	"	65,8
October	"	72,1
November	"	77,8
December	"	81,4
January	1945	80,-
February	"	74,9
March	"	87,5
Demand from 1st April 1945 to 31 December 1945		millkWhrs
April	1945	82,1
May	"	83,3
June	"	82,-
July	"	78,-
August	"	78,-
September	"	75,-
October	"	84,-
November	"	84,-
December	"	86,-
Total demand from 1-4-45 to 31-12-45		732,4

TABLE II

THERMAL OUTPUT OF S.M.E. SCHEME

1944	millkWhrs
April	0,3
May	0,6
June	1,-
July	1,2
August	2,7
September	3,6
October	3,9
November	6,7
December	12,-
Total	<u>32,-</u>

Tel. 478906

HEADQUARTERS ALLIED COMMISSION

VSR/EO

INTER OFFICE MEMO

58

Reference : 051/PWU 28 June 1945
 Subject : Trip to Terni Re Southern Italy
Electricity Supply - 26 June 1945
 To : CHIEF ELECTRICAL DIVISION
 From : Lt. Col. Renton

1. Captain Hardy - Industry Sub-Commission, Major Rosson and myself met with the representatives of SO EBW, the Terni Steel Works and Terni Electric Companies on 26 June to discuss the availability of material to complete the Terni-Pescara-Archi transmission line.

2. The following conclusions were reached :

- (a) - A large quantity of steel to meet the Terni Electric Company demands is now available at the Steel Works. Some has to be rolled, and almost all of the steel needed will be in the hands of the Terni Electric Company by 15 July. The total quantity needed is 170 tons, and will come out of the Terni Societa's monthly allotment of 225 tons. Captain Hardy will authorize the removal of the 170 tons from the Steel Works.
- (b) - It is known that Terni Steel Works can meet some of the SME requirements from stock. The remainder of the requirements are for shapes having slightly different dimensions than the stock sizes, and SME is being asked whether the material now in stock will be satisfactory.
- (c) - Terni Electric Company asked for some additional materials in order to accelerate completion of the line. My opinion is that most of this material can be obtained from the Steel Works and the electric company will be asked to check that source.

R

Distribution

Lt. Col. Lapper
 Lt. Col. Glendenning
 Lt. Col. Renton
 Maj. Rosson
 Maj. Price

VINAL S. RENTON
 Lt. Colonel, Inf 583
 P.W. & U. S/C

Tel. 478906

HEADQUARTERS ALLIED COMMISSION

VSR/ac

INTER OFFICE MEMO

57

Reference : 051/PWU

26 June 1945

Subject : Trip to Naples, Re Southern Italy
Electricity Supply

To : CHIEF ELETTRICAL DIVISION

From : Lt.Col. V.S. Renton

1. During yesterday's trip to Naples the following
occurred :

- A - Major Stevenson and myself met with Eng. Masturzo.
1. Eng. Masturzo agreed that Col. Lapper's report re Sila was correct, and retained a copy.
 2. Eng. Masturzo reported that streams are drying up even quicker than anticipated in Col. Lapper's report; he did not know how long the flows would continue to diminish.
 3. Eng. Masturzo said that the Sila load involved meeting KW demand, as well as furnishing extra energy (kWh). He said further that the generation limit has now been reached, and that some factories are being cut off for several hours each day.
 4. Based upon the present working schedule Eng. Masturzo said that the Pescara-Archi and Pescara-Frattamaggiore lines were due for completion at about the same time. That is, the end of October.
 5. The Pescara-Archi line still has about 40 towers down. The Aluminum needed for replacement, is available. Two contractors, as well as nine SME men are on job; an estimated total of 35 workers. The immediate bottle-neck is the necessity for reusing each piece of damaged steel. It is consequently necessary to remove the damaged piece, straighten it, sometimes not at tower site, return and bolt it in place. Six portable welding plants with own transportation; ten 3 ton trucks and men would speed up work to permit

- 2 -

meeting 15 September date. Eng. Masturzo estimated that to be earliest possible date and like Eng. Angelini said that a considerable part of the time would be needed to organize the job. Eng. Masturzo believed feeding and lodging the workers might be difficult but not impossible.

6. The Pescara-Frattemaggiore line is about 30 percent finished and is energized at the completed part to keep it in place. Copper conductor is required for this line, and scrape must still be transported to Barga for re-drawing. Line operation is contingent upon manufacture, in north Italy of bakelite cylinders for the 23,000 KVA, 150/60/9 KV transformer, scheduled to be on the Naples end of the line. Eng. Masturzo was unable to show any military necessity for this line and merely stated that "it would help Naples". Installation of the transformer would permit the SME system to absorb 23,000 KVA more than present.
7. Eng. Masturzo said that many difficulties were in store for SME if they tried cutting civilian load in favour of Crotone. They included :
 - (a) - lack of transportation and time to make individual disconnections.
 - (b) - The reconnection by private industries and workers thereof, once a plant has been disconnected.

B - Brigadier Edwards, Lt.Col.Brury and myself met at AFHQ in the afternoon.

1. I was asked to meet Brigadier Edwards at the request of Lt.Col. Brury, and had not planned to do so.
2. The meeting was a briefing period for a later meeting.
3. Brigadier Edwards did not commit himself, ⁵⁷⁸ I had the feeling that he would be willing to furnish transportation if he could do so.

./.

- 3 -

4. It was agreed that military load would not be cut off for benefit of Crotone.

C - Brigadier Edwards, Col. Sheldon (AFLRS), Lt.Col. Drury, Lt.Col. Ball (from Col. Edgar's office - not sure of spelling) Maj. Stevenson, and myself met with Brigadier General Hamblin, one of Lt. General Robinson's Administrative Officers.

1. I indicated, to Brig. Edwards, my reluctance to be present at this meeting; he reiterated his invitation to me.
2. Brig. Anderson was not present; Via Col.Sheldon he sent a memorandum, protesting against the shutting down of Crotone.
3. At the meeting it was agreed that the additional power for Crotone would be unavailable by cutting military requirements, and Col. Sheldon agreed to notify Brig. Anderson of that fact. It was my understanding that Gen. Hamblin said that it is Alcom's problem to cut civilians if Crotone must operate.
4. General Hamblin stated that the question of military assistance for electrical reconstruction would be brought up separately; that he considered it out of order for the question to be referred to AFHQ via the Electric Power Committee and then informally expressed doubt as to the AFHQ reception which would be given to a request by Alcom for transportation for a specific job. He pointed out that Alcom has already received much transportation and that allocation of it is a problem of Alcom.

cc : Lt.Col. Lapper
 Lt.Col. Renton
 Major Rosson

VINAL S. RENTON
 Lieut-Colonel, Inf.
 P. W. & U. S/C

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SOCIETÀ MERIDIONALE DI ELETTRICITÀ

E/3 / A 82MEMORANDUM FOR LIEUT. COL. LAPPER

1. On May. 28th the alternator Nr 1 of Orichella power station has been paralleled to the net after the repair works had been completed.
On May 29th the alternator Nr 2 of The same plant went out of operation on account of a fire which developed in its windings.
2. The situation of the output of the Sila plants and that of the demand is presently as follows:
 - a) Neto River flow: 3 c.m./sec. Sila continuous output 103 M W
Maximum output (peak hours) 123 M W (through short lowering of level in the Orichella pond):
 - b) Demand : 50 M W (Apulia) + 52 M W (Tusciano-Naples) + 8,5 M W (Calabria) + 3 M W (Railways) + 10 M W (Crotone) = 123,5.
3. According to the estimated decrease of the Neto River we presume that on the 15th of June it will be impossible to continue the supply of Crotone without curtailing of other customers or increase in the output of the steam plant.
4. The next season of rains will begin in Sila not before october-november. In July-August-September-October further decrease of the Neto flow and the seasonal increase of demand will require the whole output of Sila plants (also without Crotone) and, perhaps, slight curtailing of customers or increase of the output of the steam plant.
5. The repair of the third unit of Orichella is then urgent. To speed the work it would be necessary:
 - a) The work should be done by Tecnomasio Italiano Brown Boveri, Milano;
 - b) T.I.B.P. should send at once the ~~skilled~~ skilled men necessary to disassemble the alternator and take away the windings;

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SOCIETA MERIDIONALE DI ELETTRICITA

2.

- works should be undertaken on 2 or 3 crews;
- c) Allied Authorities should grant the trucks necessary to carry the windings from Orichella to Milano, and back after the repairs.
 - d) - T.I.B.B. should receive an order from the Allied Authorities stating the highest possible degree of priority for this job.
6. We enclose a letter to T.I.B.B. Milano, and we beg for a kind forwarding of the same. In the letter we require to the Brown Boveri to take care of the work.

We thank you

May 30th 1945

TM/cg

[Handwritten signature]

575

Tel. 489081
Ext. 317

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

LWL/ac

56

Reference : 051/PWU

25 June 1945

Subject : Electricity Southern Italy

To : ENGINEERS SERVICE, P.E.S. SOUTHERN ITALY
APO 782 c/o P.M. - N.Y., N.Y. (Att. Capt. T.M. Culbertson)

1. As per your request we are herewith transmitting two copies of the report on the above subject.

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

2 enclosures

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EXD. 317

HEADQUARTERS ALLIED COMMISSION

WHL/80

INTERNAL OFFICE MEMO

55

Reference : GD 1/PED ✓ 25 June 1945
 Subject : Electricity supply
 To : VICE PRESIDENT - Economic Section AC
 ECONOMIC SECTION AC
 ECONOMIC SECTION (Att. Col. L.A. JERRY)
 INDUSTRY S/C, AC
 INDUSTRY S/C, AC - Coal Section (Att. N. Col. EVANS)
 PUBLIC RELATIONS BR., AC
 AGRICULTURE S/C, AC
 FOOD S/C, AC
 LABOUR S/C, AC
 TRANS. S/C - Products & Works Div., AC
 From : Public Works and Utilities S/C

1. Attached statements subject : Electricity Southern Italy and Electricity Central Italy are passed to you for information.
2. The figures at the foot of page 1 of each of these statements gives the latest estimate of availability of power for the months of July to December 1945 inclusive.
3. Towards the end of July the frequency of supply for the whole of Central Italy will be raised from 45 cycles to 50 cycles.

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

cc : File 150

2 enclosures

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Tel. Ext. 317

HEADQUARTERS ALLIED COMMISSION

WML/ce

INTER OFFICE MEMO. File,

53

051/PWU.

SUBJECT: Electricity Supply.
 TO : Public Relations Sub-Commission
 (attention: Major Leacacos)
 FROM : P.Wks. & U. Sub-Commission.

16 June 45.

1. Ref. conversation Lt. Col. Lapper with Major Leacacos regarding the interview which this Sub-Commission gave to a news agency for publication of progress of electrical rehabilitation.
2. It was pointed out that only one of the news-papers, "Il Secolo XX", printed a statement, and that this statement missed out ~~important~~ points which we have ~~considered~~ ^{hoped} to convey to the public, particularly in the Rome area.
3. Request is made for the following article to appear in the Italian news-papers having circulation in Central Italy area:-

" With reference to the repair work which it is hoped will be completed by the end of July to the high voltage transmission system between North and Central Italy, it is important to observe that certain changes will take place in the supply of electricity in Central Italy on completion of this work. Electrical power will be transmitted from North to Central Italy for distribution over the interconnected grid system and will supplement that already being generated in the Central Italy area. For technical reasons the frequency of supply in Central Italy will have to be raised from 45 to 50 cycles at the time the interconnection with the north is made. That is about the end of July. This change which is beyond the control of the electric companies will have the effect of increasing the speed of electric motors and consumers

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in those areas who have not previously had a 50 cycle supply should prepare the necessary alterations to the plant drive, if they consider this to be necessary. The increase in frequency will have a marked beneficial effect on industry and it is thought that only in a very few cases will changes to plant have to be made."

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

Yel. 489081
Ext. 317

File

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

WML/cc

52

51/PWU.

1 June 45.

SUBJECT: Electricity Southern Italy.

TO : Regional Commissioner, Lombardia Region.
 (att: Regional Engineer.

1. On May 28th the alternator of the No.1 set at the Orichella Power Station was put back into service after repairs, On May 29th the alternator of the No.2 set at the same station had to be taken out of service owing to a serious fire in the alternator windings.
2. It is of the utmost importance that the repairs to the No.2 set are carried out as expeditiously as possible, in order that full use may be made of the water and also that additional load may be arranged in Southern Italy.
3. In this connection Eng. Masturzo, the Manager of S.M.E., has decided to call on Messrs. Brown Boveri and attached is a letter which we should be glad if you would deliver to them without delay.
4. We consider the repair to this plant as being most urgent, and perhaps you will be good enough to stress the importance to Messrs. Brown Boveri when you see them.

By command of Rear Admiral STONE :

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

encl.

SOCIETA' MERIDIONALE DI ELETTRICITA'

COPYMontecatini Demand

Day	A p r i l		M a y		Remarks
	kWhx10 ³	KW x 10 ³	kWhx10 ³	kWx10 ³	
1	80.6	4.5	220.1	9.8	
2	75.6	5.1	217.6	11.8	
3	98.7	6.-	169.7	9.8	
4	117.6	8.1	160.5	8.-	
5	189.-	9.5	208.3	9.9	
6	174.3	8.5	220.9	9.7	
7	130.2	8.5	223.4	9.8	
8	128.1	6.6	219.7	10.-	
9	179.8	7.5	222.6	9.6	
10	223.9	9.5	222.6	9.6	
11	220.9	9.7	220.5	9.8	
12	220.9	8.8	214.2	9.4	
13	211.7	9.5	217.6	9.6	
14	219.2	9.6	215.-	9.4	
15	225.1	9.6			
16	219.9	9.8			
17	225.1	9.7			
18	203.7	9.6			
19	220.5	9.4			
20	219.2	9.4			
21	217.6	9.4			
22	218.0	9.3			
23	212.1	9.5			
24	202.-	9.5			
25	216.3	9.5			
26	218.4	9.5			
27	218.4	9.5			
28	207.9	9.3			
29	233.9	10.2			
30	204.1	9.7			
TOTAL	5,732.7				569

Naples May 15th 1945
NR/OS

ANNEX 1COPY

TOTAL DEMAND FROM APRIL 1st to DECEMBER 31st 1945
 (including Crotone plant up to June 30th 1945)

Month	10 ⁶ kWh	Remarks
April	82.0	rectified figure
May	86.0	estimated figure
June	85.0	" "
July	83.0	" "
August	83.0	" "
September	82.0	" "
October	86.0	" "
November	87.0	" "
December	89.0	" "
TOTAL	763.0	

ANNEX 2

OUTPUT IN 10⁶ kWh (from 1st April to 31 December)

Plant	10 ⁶ kWh
Tusciano	33.0
Tanagro	35.0
Neto	128.0
Tacina	58.0
Savuto	33.0
Matese	7.0
Calore	30.0
Lete	8.0
Pescara III	24.0
Total runoff	356.0
Sila Reservoirs	216.0
Steam Plants	53.0
TOTAL	625.0

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PEAK OF CAPUANO THERMO PLANT

Days	January	February	March
1	30.000	20.000	10.000
2	27.000	15.000	10.000
3	27.000	15.000	10.000
4	25.000	4.000	=
5	30.000	20.000	=
6	30.000	15.000	=
7	15.000	15.000	=
8	30.000	15.000	=
9	26.000	15.000	=
10	22.000	15.000	15.000
11	22.000	=	=
12	22.000	18.000	15.000
13	22.000	16.000	14.000
14	15.000	18.000	=
15	25.000	20.000	=
16	20.000	15.000	=
17	20.000	18.000	=
18	20.000	2.900	=
19	15.000	15.000	=
20	20.100	15.000	=
21	12.000	15.000	=
22	25.000	15.000	=
23	20.000	15.000	=
24	=	15.000	10.000
25	=	=	=
26	=	12.000	10.000
27	=	=	=
28	=	20.000	10.000
29	=	=	=
30	20.000	=	=
31	20.000	=	=

TRANSLATIONCOPYADVISORY COMMITTEE MEETING OFESTIMATE OF DEMAND AND OUTPUT
IN kWhrs 1/4/45 to 31/12/45 (New up to date data)Demand :

We may estimate the demand on the basis of past monthly figures (including Montecatini Plant in Crotona up to June 30, 1945).

The data are tabulated in the annex 1. The demand from 1/4/45 to 31/12/45 is expected to be about 763 millkwhrs.

Output :

Till April 1945 included the runoff year turned out to be slightly above the "average". This state of things has been changed as a consequence of the full melting of snow. Now we can judge this year to rank, from a hydrological point of view, between an "average" and a "minimum" year, as no further rainfall can be expected.

The complete lack of spring time rains naturally accounts for such state of things. In the above hypothesis the output from 1/4/45 to 31/12/45 would then be of 572 millkwhrs (prudentially inclusive of one unit of the 3rd stage Pescara for 3 months only and of the Lete Plant for 6 months only) (see annex 2).

With an output from the steam plant estimated at 53 mill (70 mill in the whole year) we have a total of 625 mill.

Results :

Demand will exceed the output by some 138 millkwhrs.

Last year, the minimum level of reservoirs was of 128 mill.

According to the above data the next minimum level should be of some 28 mill, to be attained towards the end of next November.

Proposals :

The above minimum level of reservoirs (some 28 mill) ⁵⁶⁸ is the lowest one possibly to be accepted.

- 2 -

Crotone Plant could at the most be supplied until the end of June, although the reservoirs are already going down.

We judge that whatever important increase of load should be avoided from next July on until the progress of the repairing works on the Pescara Plant and along the 150 kV Pescara-Fratte line will permit a more close forecast on the availability of the other two units, as well as on the eventual supply of power from the Terni Co. to us.

Naples, the 15th of May 1945.

mdq/cs

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SOCIETÀ MERIDIONALE DI ELETTRICITÀ

DIREZIONE CENTRALE

Napoli 7th May 1945
R *49*

RECEIVED
P.W. & U. S/C.A.C.
11 MAY 1945 /58

Dear Colonel,

I enclose herewith a memorandum as to the matters we discussed upon last time we met.

With my best regards
sincerely yours

M L
(Tullio Masturzo)

Sent in double copy through italian mail and Eng. Rodinò.

To: Lt.Col. W.M. LAPPER
Chief Electrical Division
P.W. and Utilities Sub-Comm.A.C.

ROMA

Structure Italy

503

SOCIETA MERIDIONALE DI ELETTRICITA

Memorandum for Col. LAPPER

- 1) The most important turbines makers are Riva - Tosi - Escher Wyss. Riva manufactured in 1924 some 300.000 HP, in 1925 - 400.000 HP, in 1926 - 470.000 HP. Tosi manufactured in 1938 some 250.000 HP, in 1939 - 290.000 HP, in 1940 - 260.000 HP. For Escher Wyss we have no data, but we estimate not less than 150.000 HP. As a total for the above 3 firms we could estimate some 900.000 HP (650.000 kW).
- 2) The most important alternators makers are Brown-Boveri - Compagnia Generale - Marelli - Breda - Ansaldo. Their combined possibilities of production exceed those of turbines manufacturers.
- 3) At the end of 1945 in Central and Southern Italy there will be left some 400 - 500.000 kW of generating units requiring either large repairs or complete replacement.
- 4) All the above data must be checked: if they are found acceptable it will result that the problem of rehabilitation of electrical industry will not require importation of manufactured units but raw materials (coal, insulating materials, etc.).
- 5) As to a time schedule we presume that northern makers will not release repaired units before summer 1946. New units of which drawings and models are already in hand of the manufacturers will be perhaps ready about the end of 1946. Units requiring new planning will be perhaps ready in the first six months of 1947.
- 6) If the above statements are correct it would be advisable to continue repair works at the Terni and Navalmeccanica only till summer of

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SOCIETÀ MERIDIONALE DI ELETTRICITÀ

2)

1946. And for these works too Northern makers could help us by supplying drawings and advices of experts. Raw materials, are required (metallurgical coke, insulating materials etc.). The approved displacement of generating units must be once more examined.

7) With the above forecasts the supply of energy will not be normal before the end of 1947. For this reason it would be expedient to take urgently proper actions to export energy from the North to the Central and Southern Italy.

8) There were previously some possibilities of interconnection between Northern and Central Italy through State Railways - Valdarno-Coniel and Terni lines.

The only suitable interconnection between Central and Southern Italy is on the channel Terni - Pescara - Naples.

All the Coys and State Railways must therefore urgently prepare plans for speeding the necessary works both on transmission lines and transformers. We point out on these subjects:

for line works - difficulties in copper wiredrawing, shortage of angle bars, carbide and transportation means.

for transformers - lack of bakelite cylinders. The most important makers of b.c. are "Isola" and Monti e Martini" both in Milan. Raw materials still existing at the above firms should be "frozen" and released only for essential transformers.

Conclusion:

It is urgent to check the possibilities of turbines and alternators makers in Northern Italy.

562

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SOCIETÀ MERIDIONALE DI ELETTRICITÀ

3)

It is urgent to obtain drawings and technical assistance from the Northern firms on repair works presently underway in Central and Southern Italy.

Electric Coys must submit their new programs about transmission lines and substations.

All the works of repair and construction of new units by Northern makers must be made according to a priority schedule to be discussed as soon as possible with Electric Coys.

Naples, the 7th May 1945

TM/ep

561

P.W. & U.S./C

Subject :- Electric Power Facilities
LAV Isolare, Foggia.

707

RECEIVED
P.W. & U.S./C A.C.
21 MAY 1945 051

Chief Engineer,
3 District, GEF,
Tel. BISHOPAL St.,
CE 6004.

48

20. May 45.

APR 6.5 Section, APO 512.

DN APR
HQ Allied Commission APO 394
3 District.

(46)

Reference this office letter CE 6004, dated 3 May 45.

- The enclosed copy of a letter from HQ XV Air Force Service Command, 463. BPH-8-2 dated 11 May 45 is forwarded.

RECORDED
21
A. C.

J. Stevenson
Lieut.
Lieutenant,
Chief Engineer.

560

JS/KK

COPY.

RESTRICTED

HEADQUARTERS
XV AIR FORCE SERVICE COMMAND

11 May 45

463. 871-5-2

SUBJECT : Electric Power Facilities AAF Enclave, Boggia.

TO : Commanding Officer, 12 CRB Works.

1. Reference your letter 12CRB/12/9, dated 7 May 45.
2. The conditions referred to in above subject no longer exists. Therefore, further investigation is not necessary.

FOR THE COMMANDING GENERAL:

ROBERT S. LANNON
Lt Col, AGD
Adjutant General.

-1-

RESTRICTED

559

Tel. 489081
Ext. 317.

HEADQUARTERS ALLIED COMMISSION
APO 394

WEL/ce

Public Works and Utilities Sub-Commission

47

051/PWU.

8 May 45.

SUBJECT: Electricity Italy.

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

1. With reference to the removal of the hydro-electric generating set from the Alto Belice station Palermo Sicily for emergency use in Peninsular Italy you will remember that this plant has been kept in storage at Matese for emergency use at destination unknown.
2. It is now known that the electrical situation throughout Italy is considerably better than was anticipated at the time when the Alto Belice unit was brought over and under these circumstances it is not proposed to make use of this unit in Peninsular Italy.
3. This letter is your authority to inform the electrical companies concerned that the unit may now be returned to the "Società Generale Elettrica della Sicilia".

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

copy to: Secretary
Elec. Reconstr. Committee.

COFY

Subject :- Electric Power Facilities
A.A.F. Enclave, Foggia

SECRET

Chief Engineer,
3 District, CMF,
Tel. BASEBALL 84,
CE 6004.

MAY 45.

AFHQ G-5 Section AFO 512

DW AFHQ
HQ Allied Commission AFO 394
'Q' 3 District
12 CRE

46

Reference letter G-5: 821.15 dated 24 April 45.

Original in 1724

4 8 refers
papers
44

20

DW AFHQ
HQ Allied Commission AFO 394
'Q' 3 District
12 CRE

Reference letter G-5: 821.15 dated 24 April 45.

Original in 17.4

4 8 refers
papers
44

JS/KK/bb

557
Brigadier,
Chief Engineer.

RECEIVED
P.W. & U. S/C A.C.
28 APR 1945 051

45

HEADQUARTERS
PENINSULAR BASE SECTION
APO 782

26 APR 1945

AG 675 BPENG

SUBJECT: Electricity Southern Italy.

TO : Headquarters, Allied Commission, APO 394.
(Attention: Public Works and Utilities
Sub-Commission, Lt.Col. Lapper)

39

1. Reference letter dated 18 April 1945, file
051/PWU.

2. This Headquarters has no objection to the
withdrawal of Major R. A. Ryan from Naples.

FOR THE COMMANDING GENERAL:

Copy in 282.

C. I. ZUCKER
O. I. ZUCKER
CAPTAIN, A. G. E.
ASS'T ADJ. GEN.

SECRET

Tel. 489081
Ext. 317

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

LWL/bb

44

27 April 1945

Reference: 051/PWU

Subject : Electric Power Facilities in
the AAF Enclave at Foggia

To : C.E. No. 3 DISTRICT.

*See file 124
folios 100.*

*46 refs
43 refs*

For the Chief Commissioner

W. M. JAFFER
Lieut-Colonel 555
Chief Elec. Div.

1 enclosure

SECRET

cc: AFHQ - G-5

SECRET

RECEIVED
P.W. & U. S/C A.C.
26 APR 1945 051

ALLIED FORCE HEADQUARTERS
G-5 Section
APO 512

TBJ/seb

43

G-5: 821.15

24 April 1945

SUBJECT: Electric Power Facilities in the AAF'
Enclave at Foggia.

TO : Headquarters, Allied Commission
APO 394.

*Filed in 124
Files*

T. B. JACKMAN
Lt. Colonel,

*Key NB. passed to Director loose
on 26/4/45. CCB. to be filed after action.*

44 refs. 554

Subject - Electricity - Southern Italy.

42

RECEIVED
P.W. & U. S/C A.C.
26 APR 1945 051

Chief Engineer,
3 District, CEF,
Tel: RASBAIL St.,
CE 600/2/1.

458 R.

24 April 45.

HQ Allied Commission APO 394
Public Works and Utilities Sub Commission.

39

Reference letter 051/PWU dated 18 April 45.

1. It is considered that the services of Major R.A. RYAN AC have been most useful in the past and would continue to be so, particularly in the event of disputes etc arising from the Civil Electrical Companies or in the event of strikes. If, however, Major Ryan's services will be of greater value to the war effort in Central and Northern Italy, there is no objection to his withdrawal.

Wm W. Mearns 55

Brigadier,
Chief Engineer.

JS/FF

File 051

Ext. 317

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

WML/ce

40

~~155/PRU.~~

24 Apr 45.

SUBJECT: Information Electricity.

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

1. Attached is a report on progress of restoration of electrical plant and transmission system in Italy for the month of March 1945. This report will be produced and circulated before the 10th of each month following that to which it refers.
2. You will appreciate that there is quite a lot of work entailed in developing and collecting data for such a report and as South Italy and a part of Central Italy now come under the jurisdiction of the Italian Government, we shall have to call upon you to supply the data for that part of the report.
3. It is essential that all information for the report shall be at this office not later than the 5th of the following month and it is requested that you circulate the Electrical Companies asking them to supply you with the necessary data. As there is no clear line of demarcation as between Electric Companies and Italian Government territory, it is thought desirable that you obtain the necessary information from all the Electrical Companies in Southern and Central Italy in the first instance. These data could then be analysed by both of our Statistical Departments and made up into the form of a monthly report.
4. It is further necessary that this Sub-Commission obtain weekly information with regard to the output of electricity from each of the generating stations operating throughout Italy, Sicily and Sardinia. This information, together with the fuel requirements, is wanted for the various Resources Boards and also for assessing the amount of imported fuel and other materials.
5. Attached to this letter is a form which has been drawn up and which it is requested that you circulate to all the Electrical Companies in Central Italy, Southern Italy, Sicily and Sardinia, asking them to complete the data and return the form to you, as quickly as possible, after the end of each week.
6. This question of statistical data is of the utmost importance both from the point of judging the progress of

electrical rehabilitation and also the amount of imported materials required and it is requested that you urge the Electrical Companies to supply information promptly.

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

2 encl.

copy to: file 051.

- 2 -

551

Tel. 489081
Ext. 317

I. QUARTERS ALLIED COMMISSION
APO 394

WML/ce

Public Works and Utilities Sub-Commission

39

051/PWU.

18 Apr 45.

SUBJECT: Electricity Southern Italy.

TO : Engineer Service P.B.S.

42 Refer

All officers of the Electrical Division of the Public Works & Utilities Sub-Commission are urgently required in connection with electrical rehabilitation work in Central and Northern Italy and it is desired to know whether you have any objection to the withdrawal of Major R.A. Ryan who is still at Naples dealing with electrical matters for Southern Italy.

45 m/pw

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

550

Tel. 489081
Ext. 317

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

LWL/ac

38

Reference : 051/PWU

11 April 1945

Subject : Electric power for street lights

To : MINISTRY OF PUBLIC WORKS
(Att Eng. A.Asta)

1. Attached cable forwarded by the Myor of Foggia on above subject is transmitted to you for handling this City being located in Italian Government Territory.

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

1 enclosure

549

su folio 36

Tel. 489081
Ext. 317

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

LWL/ac

37

Reference : 051/PWU

11 April 1945

Subject : Electric power for street lights

To : MAYOR SBANO - FOGGIA

(36)

1. Reference your cable dated 25 March 1945.
2. Transmitted herewith for your information is copy of the letter forwarding your request to the Ministry of Public Works.

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

1 enclosure

COPY

RECEIVED
P.W. & U.S/C
9 April 45
File 051

36

Cable

Colonnello ALPPER
Commissione Alleata Sottocommissione Lavori Pubblici

D RM FOGGIA 25300 66/65 7 15

PREGO CONCEDERE BENESTARE PER RIPRISTINO ILLUMINAZIONE
ELETRICA STRADALE RIDOTTA A CENTO CENTRO LUMINOSI PER
POTENZA COMPLESSIVA VENTI KILOWATTS QUESTO CAPOLUOGO
REPUTANDOSI DI SOMMA URGENZA SCOPO ELIMINARE GRAVI
INCONVENIENTI INTERESSE CITTADINANZA PUNTO FACCIO
PRESENTE CHE COMMISSIONE REGIONAL GIA' CONCESSE SUA
AUTORIZZAZIONE CHE NON FU SEGUITA ATTUAZIONE PER
MANCANZA MATERIALE PUNTO GRAZIE OSSEQUI PUNTO
SINDACO SBANO

37 refers

Translation

PLEASE GRANT AUTHORITY FOR RESTORATION STREET LIGHTING
REDUCED TO 100 LAMPS FOR TOTAL AMOUNT 20 KILOWATTS IN
THIS TOWN. WE DEEM IT MOST URGENT FOR OBTAINING SERIOUS
INCONVIENCE TO POPULATION PD IT IS POINTED OUT THAT
REGIONAL COMMISSION ALREADY GRANTED ITS AUTHORIZATION
BUT NOTHING COULD BE MADE OWING TO LACK OF MATERIAL PD
THANKS PD

SIGNED MAYOR SBANO

FOGGIA 25/3/45

548

The original has been forwarded to Ministry
of Public Works. 11/4/45

Tel. 489081
Ext. 317

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

WML/ce

35

051/PWU.

30 March 45.

SUBJECT: Electricity Southern Italy.

TO : Regional Commissioner, Southern Region
(att: Major R.A. Ryan)

1. I am still receiving reports regarding the production of energy from the generating stations in Southern Italy and reservoir position at Sila together with other data in connection with the loads in the Southern area.
2. As there is no letter attached to this data, it is not clear from whom it has been sent. As you know Eng. Asta of the Ministry of Public Works has now taken over all the functions in connection with electricity which we have been dealing with and all information dealing with electricity generation and distribution should now be addressed to Ministry of Public Works (attention: Eng. Asta).
3. Will you please inform Eng. Ruggiero and SME. Company regarding this matter.

By command of Rear Admiral STONE:

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

547

Tel. 489081
Ext. 317

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

WML/ce

34

051/PWU.

30 March 45.

SUBJECT: Electricity Southern Italy.

TO : Regional Commissioner, Southern Region
(att: Major R.A. Ryan)

1. Reference your telephone conversation in which you informed me of the electricity demand in Southern Italy for irrigation and tramways for Naples.
2. I confirm having informed you that the memorandum which has now been widely circulated to all Military services and which the Italian Government have also received, is to be adhered to in connection with applications for supply of electricity for civilian purposes.
3. This means that applications for electricity for civilian services will for the future be made direct to the electric power Companies and they in turn will pass them to the Provincial Commission. All this, however, is clearly set out in the memorandum and it is important that you should not do anything which would shortcircuit the arrangements which we are helping the Italian Government to bring into force.
4. It is appreciated, having in mind the work which you put in last year in connection with supplies for irrigation, that if the Government machinery is not working in time, the electricity supply for irrigation may not be made available in time to meet the seasonal requirement.
5. Your position, therefore, will be to keep closely in touch with Eng. Bove who is a member of the Provincial Commission, and advise him of the necessity for giving the irrigation projects a high priority when considering the applicants for electricity.
6. Please keep me informed regarding this irrigation load which is of extreme importance, and if the Provincial Commissions do not appear to be functioning properly I should also like to know, so that the matter may be taken up with the Ministry.

By command of Rear Admiral STONE:

546

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

SOCIETA' INTERNAZIONALE DI ELETTRICITA'

051

Publ. sent Feb 1944
Elect. work

33

MEMORANDUM FOR COL. LAFFER

As we have been able to know at the C.I.P., this Company would issue for the S.M.E. the bill of the naphta given from the date 22nd December of 1943 and for the "Volturno" the naphta given from the date October of 1943 according to the instructions they have received from the A.P.H.Q. Petroleum Section.

More exactly the quantities for which the C.I.P. has received order to bill to the S.M.E. are those ones of the annexed 1) - and to the "Volturno" those ones of the annexed 2).

Because of the worse economical difficulties of both the Companies for the production of electrical thermic power we beg you to kindly consider the opportunity of allowing the said Companies not to pay the naphta they have used during the best times.

MEMORANDUM FOR COL. LATTE

As we have been able to know at the C.I.F., this Company would issue for the S.I.M. the bill of the naphta given from the date 22nd December of 1943 and for the "Volturno" the naphta given from the date October of 1943 according to the instructions they have received from the A.F.H.C. Petroleum Section.

More exactly the quantities for which the C.I.P. has received order to bill to the S.M.F. are those ones of the annexed 1) - and to the "Volturno" those ones of the annexed 2).

Because of the worse economical difficulties of both the Companies for the production of electrical thermic power we beg you to kindly consider the opportunity of allowing the said Companies not to pay the naphta they have used during the test times.

Annexed 2 -

545

ROME the 22nd March of 1945

Annexed 1

CENTRAL ELECTRIC - NUOLI

Data	Unità fornitrice	Fuel Oil BEIs
1943	Tacker Gulf Coast	8198
1944		
Febbraio	Benit	<u>7063</u> <u>7954</u> <u>15017</u>
16		
10		
24		6388
28		2734
Agosto	705 Eng. I. D. Co. Tanker Pol	<u>16981</u> <u>6295</u> <u>23276</u>
16	Benit	
23	"	12590
Ottobre	705 Eng. P. D. Co	<u>4477</u> <u>8878</u> <u>5556</u> <u>18911</u>
4	Benit	
20	705 Eng. P. D. Co. Tanker	
25	Benit	
Novembre	705 Eng. P. D. Co. Benit	<u>8039</u> <u>7223</u> <u>6408</u> <u>544</u>
8	Tanker Falck.	
14	"	
23	"	21670

Data	Unità fornitrice	Fuel Oil Bbls
1943		
Dicembre 25	Tacker Gulf Coast	8198
1944		
Febbraio 9 10	Benit	<u>7063</u> <u>7954</u> <u>15017</u>
Aprile 24		6388
Luglio 28		2734
Agosto 22 16	705 Eng. F. D. Co. Tanker Pol " " " Benit	<u>16981</u> <u>6295</u> <u>23276</u>
Sett. 23	" " "	12590
Ottobre 4 20 25	705 Eng. P. D. Co Benit 857 " " " 705 Eng. F. D. Co. Tanker	<u>4477</u> <u>8878</u> <u>5556</u> <u>18911</u>
Novembre 8 14 23	705 Eng. F. D. Co. Benit " " " Tanker Falck. " " " Benit	<u>8039</u> <u>7223</u> <u>64085</u> <u>544</u> <u>21670</u>
	Totale	108784

Bbls = 42 Galloni U. SIK

Annexed 2

VOLUME NO. 11 - MAR 1944

Data		Unità fornitrice	Gas Oil FtLS.
1944			
Gennaio	27	Nafta	2630
Marzo	11 12	Da elenco cartella Nafta "	2368 429
			<u>2797</u>
Aprile	24 25	Da elenco cartella Nafta "	364 146
			<u>510</u>
Maggio	16	Da elenco cartella Nafta	2308
Agosto	1 29	705 Ins.P.D.Co. Siaz "	2680 1913
			<u>4593</u>
Novembre	3	"	1306
1943			
Ottobre		Doc.to 57 Aerea	1611548
		Totale	15755,54

1944

Gennaio	27	853	Nafta	2630
Marzo	11 12	Da elenco cartella Nafta "	2168 429	<u>2797</u>
Aprile	24 25	Da elenco cartella Nafta "	364 146	<u>510</u>
Maggio	16	Da elenco cartella Nafta	2308	
Agosto	1 29	705 Imp. P.D. Co. Siap "	2680 1913	<u>4593</u>
Novembre	3	" " "	1306	
1943				
Ottobre		Doc.to 57 Aerea	1611543	
		Totale	15755,54	

Pole = 42 Galloni Americani

Tel. 489081
Ext. 317

WHL/ce

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

051/PWU.

27 March 45.

SUBJECT: Electrical Plants Southern Italy.

TO : Società Meridionale di Elettricità
N a p o l i (105)
Via P.E. Imbriani, 42

1. With reference to your letter of 14 February 1945 - No 77454/ep - requesting the movement of electrical plant in Southern Italy this matter which was recommended by the Advisory Committee on Electric Power for Southern Italy, was presented to the Electrical Reconstruction Committee at their meeting held on 20 March 1945.

2. The Electrical Reconstruction Committee are fully in agreement with the proposals as follows:-

- (a) that the second unit of Calore be installed at the Calore station after repairs,
- (b) that the second unit of the Aventino plant be installed in the second stage of Matese,
- (c) that a 10,000 KVA. 150/60 KV. transformer be moved from Feroletto to Tusciano.

3. This now puts the matter in order and is the authority which you require to proceed with the work.

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

C.C. to: Major Ryan,
" Major Barry,
" Major Renton.

542

31

HEADQUARTERS
SOUTHERN REGION, ALLIED COMMISSION
APO 394, U.S. Army
PUBLIC WORKS AND UTILITIES SECTION

16 February 1945

SUBJECT : Rehabilitation of Plant - S.M.E.

TO : Headquarters Allied Commission
Public Works & Utilities Section
Att.Lt.Col.W.M.LAPPER

To be brought up at next meeting 20 March 45

1. I am enclosing herewith the following requests of Società Meridionale di Elettricità for authority to do the following works:

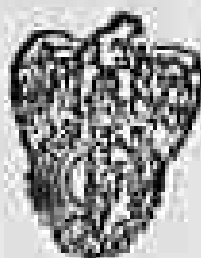
- a) Install the second unit of Calere in the Calere plant. ✓
- b) Move the second unit of the Aventine plant to the second stage of Matese. ✓
- c) Move a 10 000 KVA - 150/60 KV transformer from Ferelete to Tusciame. ✓

For the Regional Engineer :

R.A. Ryan
R . A . RYAN
Maj. Spec. Res.

RAR/ws

Encls.



SOCIETÀ MERIDIONALE DI ELETTRICITÀ

ANONIMA

SEDE IN NAPOLI

CAPITALE L. 1.125.000.000 - VERSATO L. 1.012.500.000

DIREZIONE DELLE COSTRUZIONI

N. 44454 /ep

Da citare nella risposta

Napoli, (105) 14 febbraio 1945

VIA P. E. IMBRIANI, 42

HEADQUARTERS ALLIED COMMISSION
PUBLIC WORKS AND UTILITIES

Con l'installazione a Timpa Grande del trasformatore 150/10 kV di Bari, miglioreremo la capacità di trasporto del sistema a 150 kV degli Impianti Silani.

Mentre i trasformatori delle sottostazioni Pugliesi sono di sufficiente potenza, i trasformatori 150/60 kV (2 x 24 MVA) della SS. Tusciano sono frequentemente sovraccaricati. L'unica possibilità che abbiamo per aumentare la potenza del suddetto gruppo di trasformatori è di spostare una unità ora installata a Feroletto (10 MVA).

Le caratteristiche di questo trasformatore sono abbastanza simili a quelle dei trasformatori del Tusciano, per cui essi possono lavorare in parallelo.

Vi preghiamo di autorizzare il suddetto spostamento.

Distinti saluti

TRANSLATION

With the installation of the Bari 150/10 transformer in Timpagrande we shall improve the transmission capacity of the 150 kV system of Sila plants.

While the transformers of Apulia substations have sufficient capacity the transformers 150/60 kV (2 x 24 MVA) of Tusciano Sub.on are frequently overloaded. The only possibility we have to increase the capacity of the above bank of transformers is by displacement of one of the unit now installed in Feroletto (10 MVA). The characteristics of this transformer are sufficiently similar to those of the transformers of Tusciano Sub.on and they could be paralleled.

We beg you to authorize the above displacement.

Truly yours.

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

Telegrammi: TUSCIANO - PER COSTRUZIONI - NAPOLI
TELEFONI 20150 - 26180 INTERPROV.

Pratica E 3

Oggetto

Allegati

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

ANONIMA

SEDE IN NAPOLI

CAPITALE L. 1.125.000.000 - VERSATO L. 1.012.500.000

DIREZIONE DELLE COSTRUZIONI

C. P. C. N. 21017

N. 77469 CD/ep

da citare nella risposta

Napoli, (105) 15 febbraio 1945

Via P. E. IMBRIANI, 42

A.C.

PUBLIC WORKS & UTILITIES

Subcommission

R O M E

- 1) Il 1° gruppo è stato rimesso in servizio sprovvisto di scarico sincrono per le attuali difficoltà di ottenere fusioni di grossi getti di acciaio e per quelle più generali di riattamento di un dispositivo così speciale.
- 2) Per quanto sopra la portata erogabile con il 1° Gruppo si è dovuto limitarla a valori sensibilmente inferiori a quelli disponibili e più precisamente a l/sec 3200 contro l/sec 5000 + 5500 prevedibili nei mesi più abbondanti dell'anno.
- 3) Ad evitare sprechi di acqua e dato la più urgente priorità di ripristino delle valvole di macchina del 3° e 4° Salto Pescara, si prospetta l'opportunità di rimettere in servizio il 2° Gruppo, ciò che permetterebbe, senza superare i limiti percentuali di scarti di velocità e sovrappressione in condotta imposta dalle caratteristiche di impianto, una utilizzazione praticamente completa della portata disponibile.

Si avrebbe infatti:

un aumento di portata di l/sec 3200 a 5080

un aumento di potenza di kW 5000 a 7350

un aumento di energia di kWh 34×10^6 a 40×10^6 539

Ai 6 mil di kWh/ anno di cui sopra bisogna aggiungere almeno altri 3-4 mil/anno per il consueto periodo di interruzione del gruppo esistente per i normali bisogni di manutenzione (saldature, girante, fodere, etc.)

Rimaniamo in attesa delle Vs/ decisioni in merito a quanto sopra proposto.

Distinti saluti

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

/.

Fratt. A 7
Impianto
Calore

Oggetto

Telegrammi: TUSCIANO - PER COSTRUZIONI - NAPOLI
TELEFONI 20150 - 20150 INTERPROV.

Allegati

S. M. E.

DIREZIONE COSTRUZIONI

2)

TRANSLATIONCalore Plant

- 1) The first unit is operating without a relief valve for the present difficulties of casting big cast steel and for those general for such a special equipment.
- 2) For the above reasons the water delivered has been limited to values pretty inferior to those at our disposal, i.e. mc/sec 3.200 against mc/sec 5 + 5,5 foreseen in the max flow months of the year.
- 3) In order to avoid losses of water, and on account of the priority of rehabilitation of the rotative valves of 3rd. and 4th. Stage of Pescara Plants, we propose the opportunity of the rehabilitation of the 2nd. unit, that would permit, without surpassing the percent limits of wheel speed and of overpressure in the penstock, imposed by the characteristics of the Plant, an utilisation practically complete of the stream flow at our disposal.

We shall have in this case an:

increase of water delivered from 3,2 to 5,08 mc/sec

" " power from 5000 to 7350 kW

" " energy from 34×10^6 to 40×10^6 kWh

To the above increase of 6 millions of kWh/year we must add at least 3-4 millions kWh-year for the usual period of interruption of the 1st. operating unit, for normal maintenance (welding of the water wheel, of the scroll casing etc.)

We beg you to consider the opportunity of the above proposed installation.

Truly yours

SOCIETÀ MERIDIONALE DI ELETTRICITÀ



SOCIETÀ MERIDIONALE DI ELETTRICITÀ

ANONIMA

SEDE IN NAPOLI

CAPITALE L. 1.125.000.000 - VERSATO L. 1.012.500.000

DIREZIONE DELLE COSTRUZIONI

C. P. C. N. 21017

N. 44153

TM/adl

da citare nella risposta

Napoli, (105) 111 febbraio 1945

VIA P. E. IMBRIANI, 42

A.C.

PUBLIC. WORKS & UTILITIES

Subcommission

R O M E

1 - Nell'Impianto dell'Aventino erano installati due gruppi. Uno si trova oggi in riparazione e sarà pronto prossimamente, il secondo è stato più gravemente danneggiato, ma speriamo che sarà possibile ripararlo.

2 - In caso di favorevole riuscita della riparazione il gruppo potrebbe esser lasciato all'Aventino o potrebbe essere utilizzato al 2° Salto Matese, (come risulta dai seguenti dati caratteristici)

3 - Caratteristiche del gruppo dell'Aventino :

Salto idrostatico	mt.	372,70
Portata	mc/sec.	1,510
Potenza	kW	4460
Numero giri al 1°		420 + 460
Rendimento		0,84
Tensione di generazione	V.	5000

Caratteristiche dell'Impianto Matese 2° Salto :

Salto idrostatico	mt.	352
Portata di scarico dal 1° Salto	mc/sec.	1,550

La differenza fra i due salti risulta contenuta nel 10% comunemente ammessa per installazione del genere; la portata è praticamente la stessa nei due casi, con eventuale rettifica del bocchello.

4 - Il 2° gruppo dell'Aventino, se lasciato al suo posto darebbe a pieno carico 4,4 MW. e circa 10 milioni di kWh all'anno. Se spostato al 2° Salto Matese darebbe 4,1 MW e circa 13 milioni di kWh all'anno.

5 - Il principale vantaggio dello spostamento è la installazione in un impianto a serbatoio, così da ottenere

Pratica A 90/A88
Imp. Aventino
" Matese -

Oggetto

Telegrammi: TUSCIANO - PER COSTRUZIONI - NAPOLI

TELEFONI: 23150 - 23150 INTERPROV.

Allegati

S. M. E. - DIREZIONE COSTRUZIONI

2)

la massima potenza nel periodo del carico di punta, in ogni giorno dell'anno.

- 6 - Vi preghiamo voler autorizzare il lavoro di riparazione del suddetto gruppo e il suo spostamento al 2° Salto Matese.

Distinti saluti.

TRANSLATION

- 1 - In the Aventino Plant were installed two units. One is now under repair and will be ready in the next months.

The second unit has been more badly damaged but we estimate it could be possible to repair it.

- 2 - In case of successful repair the unit could be left in the Aventino Plant or displaced to the Matese 2nd Stage as it results from the following data.

- 3 - Characteristics of the Aventino unit :

Hydrostatic gross head	mt.	372,70
Water delivered, full gate	mc/sec	1,510
Capacity	kW	4460
Revolution per minute		420 + 460
Efficiency, full load		0,84
Generating voltage	V.	5000

Characteristics of the Matese 2nd Stage Plant

Hydrostatic gross head	mt.	352
Water delivered from 1 st Stagen full gate	mc/sec	1,550

The difference between the two hydrostatic heads results no more than 10%, commonly accepted for such an installation; the water delivered is practically the same in the two cases, with an eventual regulation of the needle nozzle.

- 4 - The second Aventino unit, if left in the same Plant would give with full water 4,4 MW. and about 10 millions kWh/year. If displaced in the Matese 2nd Stage, would give 4,1 MW and about 13 millions kWh/year.
- 5 - The basic advantage of the displacement is the possibility of installation in a reservoir Plant, in order to obtain the full capacity at peak load time in every day of the year.

S. M. E. DIREZIONE COSTRUZIONI

F. 3)

6 - We beg you to authorize the repair work of the above unit and its displacement in the Matese 2nd Stage.

Truly yours

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

Alvarado

M L

535

Tel. 478.906

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

VSR/lam

R
30

051/PWU

23 March 1945

SUBJECT: Information of Generating Stations,
Southern Italy.

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

1. Transmitted herewith is one list showing generating stations in Southern Italy, the present status of which is unknown to the Electrical Division. It would be appreciated if the present condition of the facilities could be determined and this Division notified of the results.-

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

Ing Data - 2/2/76

"B"

Name of Station by companies	Installed generating capacity KW	Province	REMARKS
<u>UNISS</u>			
BAGNOLI SUL TRIENO	168	Campobasso	
DURONIA	32	Campobasso	
FORLI' DEL SANNIO	55	Campobasso	
GUARDALFIERA	384	Campobasso	
GUGLIONESE	504	Campobasso	
LIMOSANO	567	Campobasso	
S. ANGELO DEL PESCO	80	Campobasso	
<u>E.A.V.</u>			
CAPO VOLTURNO	20,000	Campobasso	
PONTEROTTO	2,240	Campobasso	
<u>FRARACCI - D'ABATE</u>			
COLLE MARLYGNA	245	Campobasso	
<u>ING. GUACCI F.</u>			
LA ROCCA	360	Campobasso	
<u>DE COSMO</u>			
MOLINO DEL DUCA	220	Campobasso	
<u>MOLISANA I. EL.</u>			
PREGITTORENSA (LUCITO)	440	Campobasso	
S. MARINO	5,000	Campobasso	
<u>TANASI</u>			
PRICIPALANZO (CARPINONE)	200	Campobasso	
<u>VENDITELLI</u>			
S. SPIRITO	1,250	Campobasso	
<u>SCIARRA</u>			
SCIARRA	1,070	Campobasso	
<u>F.LLI SCARANO</u>			
TRIVENTO	96	Campobasso	

- 2 -

Name of Station by Company	Installed generating capacity KW	Province	REMARKS
<u>SOC. EL. SANNIO</u>			
BIVARO	300	Campobasso	
COLLE D'ANCHISE	152	Campobasso	
ISCHIA	260	Campobasso	
RIO FREDDO	224	Campobasso	
VENAFRO	64	Campobasso	
<u>IND. EL. MERIDIONALI</u>			
BIFERNO	530	Campobasso	
CARLUCCIO	880	Campobasso	
COVATTA	485	Campobasso	
VALLECUPA	1,000	Campobasso	

Tel . 489081.HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission

WML/sg

Reference : 051/PWU.29
21 March 1945Subject : Electricity for civilian purposesTo : MINISTRY OF PUBLIC WORKS
(Attention Eng. A. Asta).

- 1) - Attached are three copies of a memorandum which has been drawn up for the purpose of clarifying the position regarding applications for electricity for civilian use in Italian Government Territory.
- 2) - Copies of this memorandum have been circulated to all Military and Allied Commission Officers who may be concerned with this matter and I would suggest that you now notify Electrical Companies, Provincial Commissions, Advisory Committees and Central Commission.
- 3) - It will be necessary for you to arrange for the Electric Companies to submit applications for electricity in a standard form to the Provincial Commissions giving them dates when they should be posted so as to be in time for the Provincial Commissions' meeting. The Provincial Commissions' meetings should be so arranged so that the applications may be passed to the Advisory Committee on Electric Power and hence to the Central Commission.
- 4) - What I wish to make clear is that all the arrangements have been completed on the Allied Commission side and it is desirable that the arrangements on the civilian side should be completed as quickly as possible in order to avoid any delay in a supply of electricity being made available to a high priority consumers.
- 5) - It will be noted under para. 6) that the applications for electricity will be presented to the Electric Power Committee of the A.F.L.R. (I) B. by the A.C. representative. As the A.C. representative is a member of Industry Sub-Commission, AC, correspondence should be addressed to that Sub-Commission.

3 enclosures*Copy to file 158.*W.M. LAPPER
Lt-Colonel
Chief Elec. Div.
531

Tel. 489081
Ext. 317.

WML/cc

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

28

051/PWU.

21 March 45.

SUBJECT: Electrical Rehabilitation.

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

1. With regard to the withdrawal of A.C. officers from Italian Government Territory which is expected to take place at the end of March, this change may cause a set-back in the electrical rehabilitation work, unless care is taken in handing over to you the arrangements which we have had with the electrical companies.
2. In the first place I think it would be wise for you to notify the electrical companies that all correspondence which has hitherto been addressed to this Sub-Commission should now be sent direct to you. There will be the important question of supply of materials and I think you should get the companies to forecast their supply requirements for say three months ahead, so as to give you time for procurement.
3. The manufacture of castings and machining work which is now controlled by A.C. officers and given a priority will still have to be dealt with in this manner so far as making arrangements with the Terni Steel works is concerned, but here again it is preferable that we deal through you on these matters.
4. It is our desire that there shall be no delay caused to the rehabilitation work due to this change-over and I would assure you that our officers will be available to give you every assistance which I have no doubt you will require particularly in connection with supplies for a little while to come.
5. I have no doubt that many of the problems will be cleared in our regular discussions, but I think it is wise that

you should without delay inform the electrical companies with regard to their sending correspondence direct to your office when dealing with matters within the Italian Government Territory.

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

Copy to file 232.

RECEIVED
P.W. - U.S/C.A.C.
9 MAR 1945 058

27

HEADQUARTERS
SOUTHERN REGION, ALLIED COMMISSION
APO 394, U.S. Army
PUBLIC WORKS AND UTILITIES SECTION

7 March 1945

SUBJECT : Rehabilitation of Transmission Lines and
Plants of Società Meridionale Elettricità

TO : HQ. Allied Commission
P.W. & U. Sub-Commission
(Att. Lt. Col. W.M. LAPPER)

1. Eng. Masturzo has prepared proposals for the following:

- a) Repairs of Galatro Hydro Plant - Calabria
- b) Repairs of transmission Lines in Molise
- c) Repairs of transmission Lines and substations
in Formia - Gaeta area

2. Eng. Masturzo suggests that these questions be discussed at the next meeting of the Southern Italy Electrical advisory committee.

3. We are enclosing herewith three copies of each of the above mentioned proposals.

For the Regional Engineer :

RAR/ws

Encl.

Det Col Lapper
10/3

R.A. Ryan
R. A. RYAN
Maj. Spec. Res.

R.

AC

RIUNIONE DEL 21/3/945ALIMENTAZIONE DELLA ZONA
SCAURI-FORMIA-GAETA-ITRI

- 1) La zona di cui sopra è ancora oggi sprovvista di ogni fornitura di energia elettrica.
- 2) Soltanto da poche settimane la zona delle linee di distribuzione a 9 e 30 kV è stata liberata dalle mine.
- 3) La Soc. Campania ha già iniziato la costruzione ex-novo degli elettrodotti a 9 kV fra il fiume Garigliano e Gaeta.
- 4) Se la Soc. Corradini avrà le richieste assegnazioni di carbone e coke metallurgico potrà trafilare il rame necessario e la Campania porterà a termine la linea fino a Gaeta entro la fine di aprile e fino a Itri entro maggio.
- 5) L'energia partirà a 30 kV da S. Maria, nella cabina di Carinola sarà trasformata a 9 kV e convogliata a questa tensione fino a Itri.
- 6) Data la lunghezza delle linee non si prevede in questa maniera di poter distribuire più di 2-300 kW, valore assolutamente deficiente anche per i più essenziali usi civili.
- 7) Per aumentare la potenza da mettere a disposizione della zona è necessario che la S.M.E. ripari il tronco di linea a 60 kV Garigliano-Maranola e la Sott. di Maranola installandovi almeno un trasformatore da 2000 kVA 60/9 kV. Le linee di distribuzione a 9 kV sarebbero così alimentate direttamente da Maranola.

2)

8) Le richieste essenziali della S.M.E. per la esecuzione dei lavori sono:

Linea - 1 camion da 3 Ton per 4 mesi
 - 43 Ton di angolari (già richiesti all'ufficio Provinciale dell'Industria; Commercio e Lavoro ma non ancora ottenuti)

Sottostazione - 1 camion da 3 Ton per 4 mesi
 - 100 Ton di cemento (dalla cemeniteria di Segni con trasporto ferroviario da Segni alla stazione di Minturno)

3 copie A.C.
 6 copie membri della Comm.
 2 copie alla Campania
 2 atti D.C.

TRANSLATION

MEETING OF 21 MARCH 1945

SUPPLY WITH ENERGY OF THE
 SCAURI-FORMIA-GAETA-ITRI ZONE

- 1) No electric energy is till now supplied to the above zone.
- 2) The zone along the 9 and 30 kV distribution lines has been cleared of mines only during the last weeks.

./.

3)

- 3) The "Campania" Coy. has already begun to rebuild the 9 kV lines between Garigliano River and Gaeta.
- 4) If the requested coal and metallurgical coke will be allotted to Corradini Coy. this firm will be able to wiredraw the needed copper; in this case the Campania Coy could have spanned the line as far as Gaeta by the end of April and as far Itri within next may.
- 5) The energy will be out of S.Maria at a 30 kV tension, will be transformed to 9 kV in Carinola Substation and so conveyed as far as Itri.
- 6) Owing to the length of the lines we expect we will only be able to distribute no more than 2-300 kV in the above manner; which loads fall far short even of the most essential needs for civilian purposes.
- 7) In order to make more energy available for said zone S.M.E. should be able to repair the 60 kV stretch of line between Garigliano Riv. and Maranola, as well as the Maranola Substation; This should be equipped with at least one 2000 kVA - 60/9 kV transformer. The 9 kV distribution lines could then be directly fed from Maranola.
- 8) Essential S.M.E. requirements for the works under 6) and 7):
- | | |
|------|--|
| Line | - One 3 Tons truck for a 4 months period |
| | - 43 Tons of angle bars (already applied for at Ufficio Provinciale Industria Commercio e Lavoro, but not obtained). |

./.

526

4)

- Substation - One 3 Tons truck for 4 months
- 100 Tons cement (to be supplied by the cement factory in Segni - transport by railway from Segni to Minturno).

Naples, the 7th March 1945
TM/ep

3 cop. A.C.
6 members of Committee
2 Campania Coy.
2 Construction Dept S.M.E.

O O AC

RIUNIONE DEL 21/3/45

SISTEMAZIONE DELLE RETI E
DELLE PICCOLE CENTRALI DEL MOLISE

1) Nello scorso 1944 proponemmo una sistemazione delle reti e delle piccole centrali del Molise allo scopo di migliorare il sistema di distribuzione e di esportare verso Benevento circa 7 milioni di kWh/anno.

2) I lavori furono approvati con lettera A.C. del 17/9/1944 ma non furono eseguiti per deficienza di mezzi di trasporto e di cemento. Le richieste essenziali sono le seguenti:

- Soc. Campania - 2 camion da 3 Ton per 3 mesi
- 30 Ton di cemento
- S.M.E. - 1 camion da 3 Ton per circa 2 mesi
- 50 Ton di cemento

3) Il cemento potrebbe essere fornito da Segni e trasportato in ferrovia

SISTEMAZIONE DELLE RETI E
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- 30 Ton di cemento

S.M.E.

- 1 camion da 3 Ton per circa 2 mesi

50 Ton di cemento

- 3) Il cemento potrebbe esser fornito da Segni e trasportato in ferrovia a Benevento. I camion servono essenzialmente:

Soc. Campania - per ritirare 500 pali di legno dalla zona di Avellino e trasportarli lungo le linee a 20 kv

- per trasportare il cemento da Benevento a Campo-basso

S.M.E.

- per trasportare il cemento da Benevento a Campo-basso

- per trasportare macchinario ed apparecchiature elettriche da Napoli a Campobasso.

523.1.

2)

- 4) Dovendo i lavori effettuarsi in zone di montagna sarebbe opportuno che essi si svolgessero in primavera ed in estate. La Campania e la S.M.E. non dispongono oggi degli automezzi e non prevedono nemmeno di averne disponibili degli altri lavori in corso.
- 5) Si è ritenuto opportuno parlare di questi lavori già approvati per informare la Commissione di questa altra possibilità, sia pur modesta, di incrementare le disponibilità di energia e delle difficoltà che impediscono l'inizio dei lavori.

3 copie A.C.
 6 copie membri della Com.
 2 copie S.M.E. - D.C.
 2 copie Sedac

TRANSLATION

MEETING OF 21/3/545

NEW SCHEME FOR THE EXPLOITATION
 OF LINES AND OF SMALL GENERATING
 STATIONS IN MOLISE

- 1) In 1944 we submitted a new scheme for the better exploitation of lines and small generating stations in Molise in order to improve the distribution system and to export towards the Benevento zone some 7 million kWh per year.

2) The planned works were approved by A.C. on Sept. 17, 1944 but

meno di averne disponibili negli uffici
5) Si è ritenuto opportuno parlare di questi lavori già approvati per informare la Commissione di questa altra possibilità, sia pur modesta, di incrementare le disponibilità di energia e delle difficoltà che impediscono l'inizio dei lavori.

- 3 copie A.C.
- 6 copie membri della Comm.
- 2 copie S.L.S. - D.S.
- 2 copie Sedac

TRANSLATION

MEETING OF 21/3/1945

NEW SCHEME FOR THE EXPLOITATION OF LINES AND OF SMALL GENERATING STATIONS IN MOLISE

- 1) In 1944 we submitted a new scheme for the better exploitation of lines and small generating stations in Molise in order to improve the distribution system and to export towards the Benevento zone some 7 million kWh per year.
- 2) The planned works were approved by A.C. on Sept. 17, 1944 but could not be carried out then, owing to lack of transportation and cement. Essential requirements are:

3)

Campania Coy. req. - Two 3 tons trucks for a 3 months period
30 Tons of cement

S.M.E. req. - One 3 tons truck for some 2 months
20 Tons of cement

3) Cement could be delivered at Segni and carried to Benevento by rail-way.

The Campania Coy. needs the trucks in order:

- to carry cement from Benevento to Campobasso
- to collect 600 wooden poles in the Avellino zone and carry them all along the 20 kV lines

The S.M.E. in order to:

- carry cement from Benevento to Campobasso
- carry elec. machinery and fittings from Naples to Campobasso.

4) As the works have to be carried out in a mountain zone it would be advisable to execute them during spring and summer time. Neither Campania nor S.M.E. have any truck available at present, nor expect to be able to transfer any of them from the other works underway.

S.M.E. req. - One 3 tons truck for some 2 months

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5) We thought it advisable to mention these works already approved in order to call the attention of the Commission to this further possi-

4)

bility of increasing the quantity of power available, as well as to the difficulties hindering the starting of the works.

Naples, the 7th March 1945
TL/ep

- 3 cop. A.C.
- 6 " Members of Committee
- 2 " Construction Dept S.M.E.
- 2 " Campania Coy.

RIUNIONE DEL 21 MARZO 1945

RIPARAZIONE DELLE OPERE CIVILI
DELL'IMPIANTO DI GALATRO

- 1) La centrale di Galatro è un piccolo impianto sul fiume Metramo (due unità da 800 kVA). L'impianto è interconnesso al sistema a 20 kV della Soc. delle Calabrie ed è ubicato a mezza via fra la Sott. di Feroleto e Reggio.
- 2) Nel 1931 una forte piena danneggiò lo sbarramento e 944 m. di canale derivatore. Si decise di non eseguire subito le riparazioni ma di studiare una sistemazione generale dell'impianto per aumentarne la producibilità e cambiare il tracciato del canale. La guerra fermò l'inizio dei lavori. Nel 1944 noi avevamo ancora disponibilità sul sistema a 60 kV calabrese per cui il lavoro si considerò differibile per ragioni di priorità.
- 3) La presente situazione consiglierebbe una riparazione provvisoria e senza modifiche dell'impianto. I lavori potrebbero eseguirsi nella prossima estate (maggio-settembre). Il costo è stimato di ca. 3 mil e la producibilità annua dell'ordine dei 3 mil kWh.

4) I fabbisogni essenziali sono:

315 m³ di legname

0,5 Ton di chiodi

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4) I fabbisogni essenziali sono:

315 m ³ di legname
0,5 Ton di chiodi
0,8 " di canape
2 " di catrame
3,6 " di cemento

Riteniamo che il legname potrà essere acquistato da segherie locali. Il cemento potrebbe ottenersi dalla nuova fabbrica di Vibo Valentia.

Napoli, 6 marzo 1945

TM/ep

3	copie A.C.
6	" membri della Commissione
2	" Soc. Calabrie
2	" atti D.C.

REPAIR OF THE 21ST MARCH 1945REPAIR OF CIVIL WORKS
OF THE GALATRO HYDRO-ELECTRIC PLANT

- 1) Galatro hydro-plant is a small installation on the Metauro River (two 500 kVA units). The plant is interconnected to the 20 kV system of Calabria and is located at mid-way between Peroleto and Reggio.
- 2) In 1931 a big flood damaged the barrage and 740 m. of canal. It was decided to stop the repairs and study a new development on the same river in order to increase the output and change the route of canal. On account of war the new development was not begun.

In 1944 we had difficulties on the 60 kV system of Calabria and Galatro work was considered as having a low priority.

- 3) Present situation would advise a temporary repair of the plant. Works could be undertaken in the next summer (May-September). The cost is estimated at some 3 millions and yearly disponibility of energy of some 3 millions kWhs.

4) Basic requirements are:

315 m³ of wood

0.5 Tons of nails

0.8 " " " "

1) Salerno hydro-plant is a small installation on the Tetrano River (two 600 kW units). The plant is interconnected to the 60 kv system of Calabria Co and is located at mid-way between Taranto and Reggio.

2) In 1931 a big flood damaged the barrage and 544 m. of canal. It was decided to stop the repairs and study a new development on the same river in order to increase the output and change the route of canal. On account of war the new development was not begun.

In 1944 we had disapproval on the 60 kv system of Calabria and Salerno work was considered as having a low priority.

3) Present situation would advise a temporary repair of the plant. Works could be undertaken in the next summer (say-September). The cost is estimated of some 1 millions and yearly availability of energy of some 3 millions kWhs.

4) Basic requirements are:

- 315 m³ of wood
- 0,5 Tons of nails
- 0,6 " " hemp
- 2,0 " " tar
- 3,6 " " cement

We hope to collect wood from some saw-mills of the district. Cement could be obtained from the new factory of Vibo Valentia.

Notes, the 6th March, 1945

2/er

File 051

Tel. 489081
Ext. 317

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

WML/ac

Reference 051/PWU
Subject : Electrical Power

14 Feb. 45

23

To : REGIONAL COMMISSIONER SICILY REGION
REGIONAL COMMISSIONER SARDINIA REGION

1) - With reference to the electrical power situation throughout liberated Italy, Sicily and Sardinia and the rehabilitation work which is being carried out, it has now been decided to form a number of committees whose members will be closely in touch with the situation and thereby provide means for the Ministry of Public Works and the Allied Commission being kept fully informed on all matters in connection with electric power supplies.

2) - Arrangements have therefore been made for committees to be known as Advisory Committees on Electric Power to be formed for each of the following Areas :

- Central Italy
- Southern Italy
- Sicily
- Sardinia

and already the Advisory Committees for Central and Southern Italy have been put into operation.

3) - These Advisory Committees will meet monthly, their purpose being to recommend and advise the General Inspector of Electricity, Water and Gas of the Ministry of Public Works on all matters pertaining to electric power within their respective Areas.

4) - We are anxious that all Committees shall commence to function at an early date and Eng. VISENTINI, General Inspector of Electricity, Water and Gas, Eng. A. ASTA of the Ministry of Public Works and myself together with Eng. P. BARLUZZI of my staff (acting Secretary in the initial stage) will be visiting Sardinia about the 21st and Sicily about the 28th of February 1945, for the purpose of making the necessary arrangements with the officials of the electrical companies and other interested parties who may be considered suitable to serve on these Committees.

./.

- 2 -

- 5) - A copy of this letter is being sent to the High Commissioner from the Ministry of Public Works and I hope on my arrival to call and see you and to give further explanations regarding the functions of the Committee on electric power.
- 6) - Will you please be good enough to reserve accommodations for me, and for the three Italian civilians for the dates above mentioned which may be subject to slight variation due to plane reservation.

By command of Rear Admiral STONE,

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

cc. 158

516

BEST COPY POSSIBLE

42

43

Tel. 489081
Ext. 320

HEADQUARTERS ALLIED COMMISSION
Inter Office Memo.

REFERENCE: ~~130/270~~.
SUBJECT : Allocation of Electricity.
TO : Secretary A.C. Priorities Board
(Supply and Resources Division)
Economic Section.
FROM : P.W. & U. Sub-Commission.

22
23 Jan. 45

1. Under paragraph (f) where certain allocation tasks are assigned to Sub-Commissions in your Bulletin No. I of 15th January 1945, we believe that it should be made clear that A.C. does not allocate electricity.
2. The Public Works and Utilities Sub-Commission of A.C. rehabilitates electrical plants and transmission lines. It makes monthly reports to the Electrical Committee of the Local Resources Board on availability of electric current for the month to follow. This Committee of the Local Resources Board then allocates to various regions or districts the amount of electrical energy which these regions or districts will receive out of the total, for that particular territory reported to be available by this Sub-Commission.
3. Once these allocations are made by this Board, it is then the responsibility of the Military Authorities in these respective regions or districts (in Rome the RAAC) to allocate this electricity by first meeting all Military requirements and then allocating the available balance to civil uses. When the civil uses are allocated, the A.C. Regional Electrical Engineer sits on the Committee with the Military to decide how the civilian allotment is to be used.
4. We can advise your Board of the actual allocations made by the Local Resources Board, if that is of any particular interest of your Board. Outside of that I do not see what we have to do, or how A.C. could come into the allocation of ⁵¹⁵ electricity.

copy to file 051.

L.A. JENNY,
Colonel, C.E.,
Director.

File 0510

tel. 489081
Ext 317

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

LWL/ac

21

Reference : ~~138/216~~
Subject : Conservation of Electric Power

15 Jan. 45

To : REGIONAL COMMISSIONER SOUTHERN REGION
(Attn Reg. Engineer) LAZIO-UMBRIA REGION
TOSCANA REGION
MARCHE-ABRUZZI-MOLISE REGION
EMILIA REGION
LIGURIA REGION
PIEMONTE REGION
LOMBARDIA REGION
VENEZIA REGION

1) - Attached General Order for your information and distribution.

By command of Rear Admiral STONE,

W.N. Lapper 514
W.N. LAPPER
Lt-Colonel
Chief Elec. Div.

cc : File 051
cc : File 060

1 enclosure

Tel. 489081

LWL/AC

File 051 21

MEMORANDUM

13 Jan. 45

Reference : 158/PWU
 Subject : Conversion of Electric Power
 From : P. W. & V. S/C
 To : Agriculture S/C, AC
 Air Force S/C, AC
 Army S/C, AC
 Commerce S/C, AC
 Communications S/C, AC
 Displaced Persons & Repatriation S/C, AC
 Economic Section
 Education S/C, AC
 Finance S/C, AC
 Food S/C, AC
 Industry S/C, AC
 Labor S/C, AC
 Legal S/C, AC
 Local Government S/O, AC
 Navy S/C, AC
 Public Health S/C, AC
 Public Safety S/C, AC
 Shipping S/C, AC
 Transportation S/O, AC

1) - Attached General Order for your information and distribution.

Wm. Zapp

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

TO : Agriculture S/C, AC

Air Force S/C, AC

Army S/C, AC

Commerce S/C, AC

Communications S/C, AC

Displaced Persons & Repatriation S/C, AC

Economic Section

Education S/C, AC

Finance S/C, AC

Food S/C, AC

Industry S/C, AC

Labour S/C, AC

Legal S/C, AC

Local Government S/C, AC

Navy S/C, AC

Public Health S/C, AC

Public Safety S/C, AC

Shipping S/C, AC

Transportation S/C, AC

1) - Attached General Order for your information and distribution.

Wm. Laffer

W.M. LAFFER

Lt-Colonel

Chief Elec. Div.

cc : File 051

cc : File 060

1 enclosure

513

Tel. 489081

20 WML/ac

M E M O R A N D U M

8 Jan. 45

Reference : 051/PWU
Subject : Allocation of Electric Power
To : ECONOMIC SECTION
From : P. W. & U. S/C

- 1) - The allocations of electric power is made by the Electric Power Committee of the Allied Force Local Resources (Italian) Board.
- 2) - The A.C. representative on this committee is Lt.Col.W.H.Lapper Chief of the Electrical Division of this Sub-Commission with Capt. L.W.Laughlin also of the Electrical Division as the alternate.
- 3) - The Committee has now developed into a non technical committee insofar as the allocation of power is concerned between the various services, and Lt.Col.Lapper now attends as a representative of the Electrical Reconstruction Committee in order to advise on matters of energy flow, technical matters which may arise and also to indicate to the Committee the future prospects of more power being made available. All the detailed work in connection with the tabulation of data for presentation to the Committee is done by this Electrical Division and Capt.Laughlin now attends the Committee to deal with this part.
- 4) - The A.C. case is put to the Committee by Capt.Laughlin but in view of his other technical duties, as technical advisor to the Committee, it is considered that the A.C. representative should be reconsidered. Since the allocation of energy to A.C. is required mainly by industry it is thought that Mr.W.S.Vaughan, Director of Industry S/C, would be in a better position to state the A.C. case and fight for it, in place of officers of this Sub-Commission who are charged with the task of restoration of supplies of electricity and who act as advisors to the Committee as a whole.
- 5) - Attached is a draft letter which it is proposed should be sent to the Secretary A.P.L.R. (I) B., if you are in agreement with this change.

From : P. W. & U. S/C

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- 2) - The A.C. representative on this committee is Lt.Col.W.M.Lapper Chief of the Electrical Division of this Sub-Commission with Capt. L.W.Laughlin also of the Electrical Division as the alternate.
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1 enclosure

L.A.JENNY
 Lt-Colonel, C.E.
 Director 512

D R A F T

Jan. 45

Reference :

Subject : Electric Power Committee - Members

To : SEE ELECTRIC POWER COMMITTEE A.F.L.R. (I) B.

1) - Reference our letter ES/413 20th Oct. 44 naming Lt.Col.W.M. Lapper as A.C. representative and Capt. L.W.Laughlin as alternate in the Electric Power Committee.

2) - It is desired to change these nominees and they will be replaced by the following :

Mr. W.S.VAUGHAN - Representative
_____ - Alternate

3) - Lt.Col.Lapper will still attend for the Reconstruction Committee and Capt.Laughlin will continue to attend to advise the Chairman on the tabulation data.

ECONOMIC SECTION

Tel. 489081

HEADQUARTERS ALLIED COMMISSION
A.P.O. 394
Public Works and Utilities Sub-Commission

FB/ac

19

27 Dec. 44

Reference : 651
Subject : Schedule plant repairs

To : REGIONAL COMMISSIONER SOUTHERN REGION
(attn Capt. Ryan through Regional Engineer)

Will you please ask S.M.E. to check data shown on enclosed charts and file with additional information (in pencil) according to column headings.

Both charts should be sent back to us as soon as possible.

By command of Rear Admiral Stone,

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

2 enclosures

510

file

Tel. 489081
Ext. 317

WML/ce

F8

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

051/PWU.

27 Dec. 44

SUBJECT: Split of electric power output
between military and civilian.

TO : AFHQ Petroleum Section,
Rome Allied Area Command.

14

1. Ref. your letter Pet 30/G/6/6 of Dec 14th 44, and our
reply dated 18th Dec. 44.

2. The question raised has, this morning, been discussed
with Capt. Peterson and the following explanation is given.

3. All the main generating stations, both Hydro and
Thermal, are interconnected and the electrical energy produced
is put on to the Grid System. From this Grid System
electricity is taken off at various points, main substations,
townships etc.

4. Both Rome and Naples take off, from this Grid System,
more electrical energy, for civilian purposes, than is
generated by their Thermal Stations.

5. It is clear, therefore, that electrical energy,
equivalent to the whole of the output of the Thermal plants
at Rome and Naples, is being used by each of these places for
supply to meet the civilian needs. These are:

- Volturno Diesel Station.- Ente Autonomo Volturno.
- Capuana Steam Station.- Società Meridionale di Elettricità.
- St. Paolo Steam Station.- Società Romana di Elettricità.
- Montemartini Steam Station.- Azienda Comunale Elettricità
ed Acque di Roma. *509*

84 refers

6. It is recommended, therefore, that all fuel, which has already been furnished to these plants and which will be supplied in the future, be classed as a civilian requirement.

7. It is, however, important that the fuel supply shall continue to be issued through military channels as any diminution or delay in supply would cause a fall in output from these plants which may adversely affect the supply being given from the Hydro Stations to the military establishments.

for and in absence of *W.M. Lapper*
W.M. LAPPER, *Capt*
Lieut-Colonel,
Chief Electrical Div.

CIETÀ MERIDIONALE DI ELETTRICITÀ

File 5m R
Trans. for Pat. 051
17
Memorandum for Capt. RYAN

DISPLACEMENT OF THE BARI NORTH TRANSFORMER

about 1500000
before 1935
22/11/44

- 1) We should prefer transportation without disassembling the core.
The present report is then written according to the above named hypothesis.
- 2) The total weight of the transformer is about 84 tons; for transportation we could accomplish the following partial disassembling:
 - core and case - Weight about 45 tons - Incumbered : height mt 3,60 base mt 5,20 x 2,30
 - radiators, superior part of the case, wheels, weight about 9 tons
 - bushings, oil reservoir, accessories - weight about 4 tons
 - oil, in barrels - weight about 32 tons, included barrels
- 3) Pieces, arranged as above, could be sent:
 - a) by railway as far as Crotone and then:
 - core and case by truck to Timpagrande
 - remaining parts by a narrow gauge railway to Campodenaro and by truck to Timpagrande

or:
 - b) core and case by truck to Timpagrande (Bari - Palagiano - Cosenza Camigliatello - S.Giovanni in Fiore - Timpagrande - total 400 Km)

remaining parts as above.

507

We point out that transportation as planned in a) would be more safe if it will be possible to obtain the special car required (type "POZ a culla"). Long transportations on trucks generally affect under the mechanical point of view case and windings.

Naples, 12th September 1944

[Handwritten mark]

Bari - Crestone
P.O. Z. calla.

9.6
3
10'9"

P.W. Tu
S/c -

45 tons.

Capt Durant
478906.

Height 3.60' = 10'9"
Base 5.20 ft. 30.
15'6" 6'9"

Radiation, Wheels etc } 9 tons.
etc } 4.

Oil Transports } 32 tons
in Drum.

21 Sept.

Siding. Nord Electric
Sub Station

Total 90 tons.

TRANSPORTATION SUB-COMMISSION ACC.

TIME RECEIVED:

DATE:

Lt. Col. VINING:

P.A.

Lt. Col. BROWN

RAIL SECTION:

Maj. F. F. RICHARDSON

RAIL MOVES (N).

Capt. B. W. BODDY

Lieut. G. N. HART

SQMS F. E. V. LARK

ENGINEERING SECTION

Maj. E. J. MOLE

SCHOONER SECTION

Lt. Col. F. R. A. GLANVILLE

SCHOONER SECTION (N)

Capt. F. H. SMITH

ROADS SECTION.

Lieut. Col. J. J. CARNES.

Lieut. Col. J. H. BORDASS.

Capt. G. E. MORETTI

Capt. C. W. A. PEPPER

COAL DIVISION

Lt. Col. C. W. OXLEY

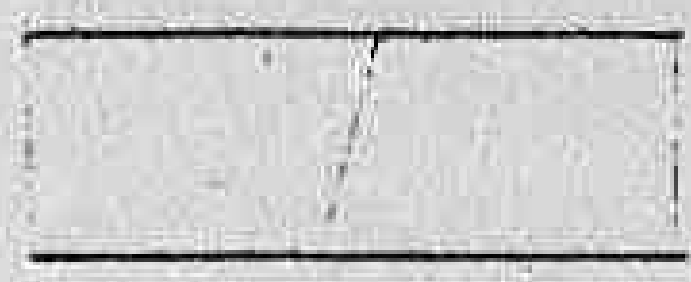
Maj. C. W. REEVE

LIAS ON SECTION

Lieut. R. E. BARONE.

CLERKS:

Sgt. GREEN



^{12/11/44}
CAR 6975000 has cleared
Cebu and should arrive
at BARI on 12/12/44 P.M.
or 13/1/44 for sure.

JMT

Tel. 489081

HEADQUARTERS ALLIED COMMISSION
A.P.O. 394
Public Works and Utilities Sub-Commission

WML/ac

Reference : 051/PWU

18 Dec. 44

Subject : Split of Electric Power Output
between Military and civilian

To : AFHQ PETROLEUM SECTION
ROME AREA ALLIED COMMAND

14

1) - Re ferring your letter 14 Dec. 44 - file Pet. 50/G/6/6.

2) - It is estimated that the percentage split of electric power
in Rome and Naples is :

Military and essential civilian use	70%
Non essential civilian use	30%

L.A. JENNY
Lt-Colonel, C.E.
Director

see folio 14

504

RECEIVED
P.W. & U. S/C A.C.
15 DEC 1944 C51

15

HEADQUARTERS
SOUTHERN REGION ALLIED COMMISSION
Public Works & Utilities Section
APO 394

12 December 1944.

SUBJECT : Electricity Supply - Apulia Co.

TO : Headquarters Allied Commission
Public Works & Utilities SubCommission
Attention Lt. Col. W. M. Lapper.

1. This letter confirms a telephone conversation with your office relative to the interruption of electric power service in Apulia due to a break in the 150 KV transmission line between Timpagrande and Palagiano.
2. On 28 November 44 three towers on the Timpagrande-Palagiano 150 KV line were destroyed by a flood on the Sinni river.
3. Two temporary wooden towers were constructed and service was restored on the above mentioned transmission line on 7 December 1944.
4. During the period of repairing this transmission line partial service was provided to the Apulia Co. by means of the State Railway 60 KV transmission line between Benevento and Foggia. It was possible to supply a maximum of 18000 KW to the Apulia Co. this transmission line.

For the Regional Engineer :

R. A. Ryan
R. A. RYAN
Capt. Spag. Res.

RAR/rb

503

Public Works Utilities Subcommittee
 Attention Lt. Col. W. M. Lapper.

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For the Regional Engineer :

R. A. Ryan
 R. A. RYAN
 Capt. Sped. Res.

RAE/rb

503

dr. G. C. Rippen
diag. 16/12

RECEIVED
P.W. & U. S/C.A.C.
15 DEC 1944 051

14

AFHQ PETROLEUM SECTION

ROME AREA ALLIED COMMAND

Tel:- ROME 478876

FET 30/G/6/6

14 Dec. 44

SUBJECT: Split of Electric Power Output
between Military and Civil.

HQ. A.C. Public Works & Utilities Sub-Commission,
Electrical Section, APO 394.

1. Please provide this Section with the percentage split of electric power and current produced between Allied Military and Italian Civil for Naples and Rome power plants include C.E.B., Naples; Volturmo Power, Naples; and A.C.E.A., Rome.
2. Above figures to be furnished on a monthly basis from 1 October 1943 onwards.

Col Repper
15/12

John J. Fagan

JOHN J. FAGAN
Major, R.E.

for Colonel
Petroleum Section

Folio 16 refers
Folio 14 refers

RECEIVED
P.W. & U.S./S.A.C.
13 DEC 1944 051

13

HEADQUARTERS

SOUTHERN REGION ALLIED COMMISSION
Public Works & Utilities Section

APO 394

9 December 1944.

SUBJECT : Electric Power Supply - Caserta -

TO : ALLIED FORCE HEADQUARTERS
OFFICE OF THE CHIEF ENGINEER.

1. It was reported to this office that the electric power supply in the Caserta area has been inadequate.
2. This office recommended to the Campania Electric company that a separate source of supply be provided for the Royal Palace and the Military Hospital at Caserta.
3. The Campania Electric Company has provided a separate source of supply to the Royal Palace and the Military Hospital by utilizing a spare section of the Italian State Railway transmission line between S. Maria Capua Vetere and Caserta.
4. The separate source of supply has substantially improved the voltage at the Royal Palace and at the Military Hospital, and will reduce the number of interruptions of service in those installations. The electric service in Caserta and vicinity has also been improved by relieving the overloaded condition of the circuit which supplies Caserta.

For the Regional Engineer :

TO : ALLIED FORCE HEADQUARTERS
OFFICE OF THE CHIEF ENGINEER.

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For the Regional Engineer :

R. A. Ryan
R. A. RYAN
Capt. Spec. Res.

RAR/rb

cc. Hq. A.C. P.W. & U. Section. ←

Donec apper
Aug 13/42
able

RECEIVED CT
PW & U. S/OAC
12 DEC 1944 051

HEADQUARTERS
SOUTHERN REGION ALLIED COMMISSION
Public Works & Utilities Section
APO 394

12

8 December 1944.

SUBJECT : Alto Belice Unit.

TO : Headquarters Allied Commission
Public Works & Utilities SubCommission
Attention Lt. Col. W.M. Lapper


1. Reference is made to your letter 05L/PWU of 10 November 1944.

2. The Alto Belice Unit which is stored near the railway station at Piedimonte d'Alife has been covered by suitable material to protect it from the weather.

3. This office has suggested to the Inspector of the Ministry of Public Works that this equipment be properly guarded.

4. We are enclosing herewith a copy of a letter which this office has sent to the Inspector for the Ministry of Public Works.

For the Regional Engineer :


R. A. RYAN
Capt. Spec. Res.

BAR/rb

part
R. A. Ryan

Headquarters Allied Commission
Public Works & Utilities SubCommission
Attention Lt. Col. W.M. Lepper

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For the Regional Engineer :

R.A. Ryan
R. A. RYAN
Capt. Spec. Res.

RAR/rb

Robert Dopper
12/12

Enclo.

AMC

12A

HEADQUARTERS
SOUTHERN REGION ALLIED COMMISSION
Public Works & Utilities Section
APO 394

SOGGETTO : Gruppo dell'Alto Belice a Piedimonte
d'Alife. 8 Dicembre 1944

Al : Ministro dei Lavori Pubblici
Ing. Ricciardi.

1. Il Gruppo Generatore che è stato trasportato dall'Alto Belice - Sicilia - è stato installato vicino alla stazione ferroviaria di Piedimonte d'Alife.
2. Il suddetto Generatore è stato ricoperto per proteggerlo dagli agenti atmosferici.
3. È necessario che esso sia sorvegliato di giorno e di notte.
4. È consigliabile che il Ministro dei Lavori Pubblici provveda per dei guardiani per proteggere il suddetto Generatore.

Per l'Ingegnere Regionale :

R. A. RYAN
Capt. Spec. Res.

RJR/rb

Elect
Smith Italy
A.M.G. *H Col Taffer*
File

MEMORANDUM of the meeting which took place by the Società Meridionale di Elettricità on Saturday, October 28th, 1944 at 11.00 hours.

Chairmen: Col. Hensley and Eng. Mazzei *File 051*

Meeting attended by: Mr. Toumsand
Maj. Barry
Capt. Ryan
Capt. Brown

Present:

- 1) Engs. Maglione, Masturzo and Bove of the Società Meridionale di Elettricità.
- 2) Eng. Montefusco, Manager of the Società Elettrica della Campania.
- 3) Eng. Cerillo, Manager of the Società Generale Pugliese di Elettricità.
- 4) Engs. Ruggiero, Ricciardi and Fattorini of Genio Civile.

Colonel Hensley points out the necessity each Company forwards to this office a weekly report on the underway works for the rehabilitation of the plants. He wants to be thoroughly informed, in order to give the necessity assistance. He knows that now the greatest difficulty is to find materials to start reconstruction. He asks for a list of the requirement for a period of 30 days: cement, bricks, glasses, ect. with the same procedure used in the requests of gasoline. Capt. Ryan is charged with this matter and all the Companies will apply to him directly for any request. On this subject, he suggests to the Genio Civile the opportunity of placing at Capt. Ryan's disposal an engineer, who could collaborate with him and act as liaison official in order to dispatch the matter as quickly as possible.

- 2 -

Eng. Ruggiero, points out Genio Civile has made many applications for materials for the various Bodies, but such applications have circulate through various offices, without coming to a conclusion, so that, on occasione of a breakdown in Sila, the S.M.E. was not able to provide for the necessary repairs, owing to lack of means of transportation. He insists on this matter, stating the necessity of facing it promptly, otherwise we shall come to no head.

Col. Hensley declares he has been throughly informed about the above mentioned difficulties and intends to remedy it. Therefore he recommends to keep himself informed of anything, also of probable beakdowns or interruptions, hinting at the causes which might have delayed re-starting of operation. As regards to means of transportation, he informs to have spoken yesterday with an officer from the United States. He asks for a list of the requirement for all public services, as on Tuesday in the afternoon he will have another meeting with the aforesaid officer. He will convince the Allies to conclude a sale of trucks in due form, so that, having bought them, everyone will be able to dispose of them in his own way. Another important problem to be solved: the financial matter. He knows that very often the public services are not paid either by the Allies themselves or by the Italian privates and public Bodies, for transportation services, energy, gas, telephone supplies. He wishes to enter into an agreement which safeguard the interests of the public services, and asks for the names of the Allies and Italian who do not pay. As regards the former, he will try to enter into

- 3 -

an agreement, by the terms of which all supplies shall be paid by them to the Italian Government, which, on his part, shall pay the various Bodies.

Capt. Ryan submits another serious problem to be urgently solved, regarding electric energy distribution. The actual peak-load is unsustainable, besides there are new cables which are to be absolutely linked. Therefore he recommends to the Genio Civile the utmost solicitude in trying to reduce the peak-load. He says everymonth he will fix for each Body a limit of power to be strictly conformed with by everyone. The Bodies are responsible for eventual infringements.

Eng. Ruggiero points out that notwithstanding the conditions of Southern Italy be favourable, as there is energy, he has already studied the problem considering the power supply, which is considerable, and proposes, as the only possible solution, to have some factories working during the night instead of the day.

Major Barry says not to consider only the local problem, but to see to the situation from a more general point of view. He reminds on this subject Central Italy can use, at present, only 9% of the power available before. Therefore Southern Italy is in a very good situation and probably she shall help other regions.

Eng. Ruggiero points out, and Eng. Bove knows it, since a month it has been delaying an application to supply energy to the flour mills and "pastifici" during the night instead of the day, being this one the most considerable supply of power which could be available otherwise.

INCOMING MESSAGE

HEADQUARTERS ALLIED COMMISSION

P. W. & U. S/C A.C.
0/3183

Originator's Reference: *SR/679*
Date/Time of Origin: *DEC 071652*

Message Centre No:
Date Time Rec'd: *DEC 080830*
Precedence: *PRIORITY*

FROM: *AICOM SOUTHERN REGION*
TO: *HQ AICOM*

RECEIVED
P.W. & U. S/C A.C.
13 DEC 1944 051

ACTION

RESTRICTED.

To keep you in touch with situation I report electric transmission lines to Northeast from SHIA plant have been broken by storm flooding of SINNI River map reference U 18. Serious shortage current areas FOGGIA BARI and TARANTO. Emergency improvisation in progress, FOGGIA now receiving 30 percent normal current via NAPLES BENEVENTO using railway power lines, engineers of Army Air Force FOGGIA cooperating fully, BARI power intermittent, TARANTO situation improving. To meet shortage of power for BARI flour mills we have asked Food Sub Commission obtain us release 2000 tons flour now at BARLETTA for distribution area BARI BRINDISI LECCE TARANTO. Estimate completion electricity repairs Tuesday 12 December. Joint Board of AICOM engineer officers coordinating emergency power ration with military units

A.C.D.3+

Noted 1/11

HEADQUARTERS
8-DEC-1944
A. C.

Not: P. Works (D)
14: Chief Com Mission
Leon Sec
TW sk
Food sk (D)
File (D)
Flant

RESTRICTED

- 4 -

Col. Hensley says this is no more the time for studying but for working.

Eng. Ruggiero points out every thing that depended upon the Italian has been done: The prefect is willing to issue the relative Decree, but the approval of the Allies is required. He adds that if his office was given more extensive powers the work would be carried out more quickly.

Capt. Ryan informs that before approving the application, he has to inquire by the Food supply Office, because he does not know if this new arrangement would affect or not the production.

Col. Hensley advises to enter into an agreement with the various railways, getting them to reduce the service during the central hours of the day. He will not control, he will have Italy free and come back to normal life. If energy is required for something deemed useful and indispensable, arrangements are to be made at once, also cutting off the energy deemed less useful. Besides, he advises not to use illuminated advertisements to stop working in the cinemas for some hours, where it is necessary, et.

He asks, finally, if the presents think it advisable to continue these meetings; all agree and say yes.

Col. Hensley closes the meeting at 12,30 hours, after have asked the present if there were any other matter to be dealt with and received negative answer.

RECEIVED
P.W. & U.S./C.A.C.
2 DEC 1944 051

pub
Rec'd Report
4/12

HEADQUARTERS
SOUTHERN REGION ALLIED COMMISSION
Public Works & Utilities Section
APO 394

30 November 1944.

SUBJECT: Electrical Power for the Formia and Gaeta Areas - Lazio Umbria Regions.

TO : Headquarters Allied Commission
Public Works & Utilities SubCommission
Attention Lt. Col. W.M. Lapper.

1. Reference is made to letter R4/Eng/700 of 20 October 1944 a copy of which was sent to this office by your office.
2. We have contacted the Societa Meridionale Elettrica and they have suggested two plans for the restoration of electric service in the Formia and Gaeta Areas.
3. Enclosed herewith is an outline of the proposed plans to restore electric service in the Formia and Gaeta Areas.

For the Regional Engineer :

R.A. Ryan
R. A. RYAN
Capt. Spec. Res.

R.R/rb

Enclo.

TO : Headquarters Allied Commission
Public Works & Utilities SubCommission
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For the Regional Engineer :

R. A. Ryan
R. A. RYAN
Capt. Spec. Res.

R.R/rb

Enclo.

RECEIVED
P.W. & U.S./C.A.C.
2 DEC 1944 051.

hnd 8
dy Col Lapper
Wag

HEADQUARTERS
SOUTHERN REGION ALLIED COMMISSION
Public Works & Utilities Section
APO 394

30 November 1944.

SUBJECT : Electric Power Supply -
Southern Italy.

TO : Headquarters Allied Commission
Public Works & Utilities SubCommission
Attention Lt. Col. Lapper.

1. On 28 November 1944 a flood in the Sinni river in the Province of Matera destroyed a section of the 150,000 Volt transmission line which serves electric power to the south eastern provinces of Italy.

2. While this transmission line is being repaired it will be necessary to supply as much electric power as possible from the Naples Area for essential military use in the Bari - Foggia Areas.

3. It is estimated there will be a reduction of 15% in the electric supply for Naples and the surrounding territory for a period of 10 days.

For the Regional Engineer :

R. A. Ryan
R. A. RYAN
Capt. Spec. Res.

RAR/rb

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

4

Memorandum for Capt. R Y A NRESTORING OF ELECTRIC DISTRIBUTION
IN THE AREA OF FORMIA AND GAETA

- 1) The assertion about the possibility to deliver 2500 kW towards the area of Rome depends, perhaps, on a misunderstanding.

In the last June, examining the general situation of the loads, we pointed out that on the 60/9 kV transformers of S. Maria Capua Vetere existed, in that time, a margin of 2.500 kW. It is to be observed that, even if we shall restore the 30 kV line Carinola-Gaeta, it would be impossible to transmit 2.500 kW to the Gaeta area on account of the big voltage drops.

- 2) The localities of the Formia District, in which we have to repair the lines, are severely mined and it is necessary to clear them, before the beginning of the works.

We have requested the clearing firstly by words on the 25th May 1944 to the local H.Q. and subsequently by letter on the 13th June, 24th June and 22nd July to the Italian Military Authority without obtaining any results. On the end of September a company of Italian Engineers came to Formia and began to work; but few days after, they stopped their works. The "Campania Co." has noticed on the 27th October and 18th November the A.C. (4th Region) about the situation and has asked that precise orders be given to the soldiers to undertake again the works along the 9 kV lines and 60 kV line between Garigliano River and the Substation of Maranola (near the town of the same name).

- 3) After the clearing of the area it will be possible to undertake the works and to restore the distribution. We have foreseen a plan in two steps.

491

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2)

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

I) The first step considers the possibility to supply with 300 kW the customers in the towns of Gaeta, Formia and Minturno only.

For this supply it is necessary:

- to prolong, along the road and between Garigliano River and Gaeta, the 9 kV line which, proceeding from Carinola 30/9 kV Substation, reaches Garigliano River in locality Puntafiume.
- to restore the distribution low voltage net work in the different towns.

For these works "Campania Co" needs:

- three 3 Tons trucks, during 6 months, and time by time one trailer of a load capacity of 6 + 7 Tons fit to transport wood poles long 10 + 12 m. The poles, in number of 2200 (1.200 necessary for the 9 kV line and 1000 for the distribution low voltage network) are located in Roccamonfina area and are to be displaced along the 9 kV line and in the towns of the area.
- 400 qli of copper wires with different cross-sections (to be specified); "Campania Co." has the necessary scraps; it is requested to obtain the priority in transformation works.
- 100 qli of iron round bars for the construction of hook-shaped brackets for pin insulators (Ilva - Torre Annunziata).
- 5 Tons of transformer oil for filling of the distribution transformers (in advance of the 21,3 Tons requested by "Campania Co." on the 17th October 1944).
- 300 qli of cement to restore distribution cabins and pole foundations (Salerno - Factory).

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SOCIETÀ MERIDIONALE DI ELETTRICITÀ

3)

II) The second step considers the possibility to increase the above supply to about 2.000 kW. It is foreseen:

- the reconstruction of the 60 kV line (belonging to SME) between Garigliano River and Maranola Substation;
- the temporary installation of one 60/9 kV transformer with a capacity of 2 MVA in the Maranola Substation (belonging to SME);
- the restoring of the 9 kV lines in the area Northwards of Maranola.

S.M.E. shall performe the works on its plants and "Campania Co" on its own.

S.M.E. needs:

a) for the 60 kV line:

- two 3 Tons trucks (for line works during 3 months);
- 30 Tons of angle bars of different measures and types (to be specified);
- 3 Tons of screws in different measures (to be specified);
- 4 Tons of rivets in different measures (to be specified);
- 200 qli of cement for tower foundations

b) For the temporary substation:

- one 3 Tons truck during 4 months for material supply;
- 1000 qli of cement;
- 12.000 + 15.000 bricks;
- 160 m² of hollow-tiles
- 5 Tons of transformer oil to fill the 2 MVA transformer

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4)

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

"Campania Co." needs:

- three 3 Tons trucks, during 6 months, to restore the 9 kV lines towards Itri, S.Giorgio on Liri, Esperia, Roccadedevandro and Castelforte;
- 1100 qli of copper wires in different cross-sections (to be specified); "Campania Co." has the necessary scraps.
- 5 Tons of transformer oil for small distribution transformers;
- 180 Tons of shaped iron etc.
- 10.000 pin insulators for 9 kV
- 2.200 wood poles for the reconstruction of the lines;
- 300 qli of cement to restore the distribution cabins and pole foundations.

Naples, 27th November 1944

CG/ep

488

7

HEADQUARTERS
SOUTHERN REGION ALLIED COMMISSION
Public Works Utilities Section

APO 394 RECEIVED
PW & U S/C.A.C.
DEC 1944 051 27

*Am working on this
MRS [unclear] 3/1/44*

27 November 1944.

SUBJECT : Improvement of Electric Service in Caserta Area.

TO : Headquarters Allied Commission
Public Works Utilities SubCommission
Attention Lt. Col. W. M. Lapper

1. We have received a complaint of unsatisfactory electric service at the Royal Palace and other high priority military installations in the Caserta Area.
2. The Campania Co. which serves the Caserta Area is repairing a 30/9 KV 1000 KVA transformer to be installed at the Maddaloni substation to carry a part of the load in the Caserta Area and thus reduce the voltage drop on the 9 KV distribution line from S. Maria substation to Caserta. It is estimated that a minimum of 30 days will be required to repair this transformer and install it at Maddaloni.
3. The Campania Co. has suggested a plan for the immediate improvement of electric service for the Royal Palace and other military installations in that vicinity. This plan is as follows :
 - a. Obtain permission from the Italian State Railway to use a spare 60 KV circuit which extends from S. Maria Substation to the State Railway Substation at Caserta.
 - b. Energize this spare circuit at 9 KV by means of temporary jumpers at S. Maria Substation.
 - c. Construct 200 M. of 9 KV line between the Royal Palace and the State Railway 60 KV line and provide jumpers between this temporary 9 KV line and the State Railway 60 KV line which will be energized at 9 KV from the S. Maria Substation.

[Handwritten signature]

Public Works Utilities SubCommission
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 - b. Energize this spare circuit at 9 KV by means of temporary jumpers at S. Maria Substation.
 - c. Construct 200 M. of 9 KV line between the Royal Palace and the State Railway 60 KV line and provide jumpers between this temporary 9 KV line and the State Railway 60 KV line which will be energized at 9 KV from the S. Maria Substation.
 - d. The time required to complete this plan is one week and the jumpers can be removed from the 60 KV line in four hours in the event the line is needed for emergency purposes by the State Railway.
 - e. The use of this 60 KV circuit as a feeder for the Royal Palace and vicinity should not exceed 45 days. The transformer should be in operation at Maddaloni Substation within 45 days.

W. M. Lapper
1/12

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4. It is requested that your office obtain permission for the Campania Electric Co. to use the spare 60 KV circuit of the State Railway between S. Maria Substation and Caserta for the purposes outlined in para. 3 of this letter.

For the Regional Engineer :



R. A. RYAN

Capt. Spec. Res.

RAK/rb

For the Regional Engineer :

R. A. Ryan
R. A. RYAN
Capt. Spec. Res.

RAR/rb

486

Tel. 489081

HEADQUARTERS ALLIED COMMISSION
A.P.O. 394

File

LWL/ac

PUBLIC WORKS & UTILITIES SUB-COMMISSION

13 Nov. 44

Reference : 051/ /PWU
Subject : Rail services - Naples area
To : REGIONAL COMMISSIONER through
Regional Engineer (Attn Capt. Ryan)

- 1) - Attached letter from Transportation Sub-Commission is referred to you for reply.
- 2) - Please refer to our letter 4 Oct. 44 to Transportation S.C., AG a copy of which was sent to you.
- 3) - The allocations were approved by the Electric Committee of AFER(I)B on 28 Sept. 44 and were approved by AFLR(I)B on 7 Oct. 44 which was the final approval necessary to authorize increase to the railway.
- 4) - Please send information copy of the letter to Transportation S.C., AG to this Sub-Commission.

cc : Transportation S.C., AG

E. J. BARRY
Major, C.E.
Acting Chief Elec. Div.

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enclosure :
letter 9/11/44 AC.Tn/88/

Tel. 489081

HEADQUARTERS ALLIED COMMISSION
A.P.O. 394
PUBLIC WORKS AND UTILITIES SUB-COMMISSION

file 5 LWL/ec

Reference : 051/ /FWU
Subject : Removal of Auto Belice Unit

10 Nov. 44

To : REGIONAL COMMISSIONER SOUTHERN REGION
through Regional Engineer (Attn Capt. Ryan)

- 1) - Attached is our letter to the Ministry of Public Works disagreeing with the removal of the unit to temporary location further north.
- 2) - In the meantime please proceed with the housing of the unit in accordance with our conversation while you were in this office some days ago.

E.J. Barry
E.J. BARRY
Major, C.E.
Acting Chief Elec. Div.

enclosure :
copy of letter 10/11/44 to Ministry P.W.

see folio N° 1

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Tel. 489081

HEADQUARTERS ALLIED COMMISSION
A.P.O. 394
PUBLIC WORKS AND UTILITIES SUB-COMMISSION

File LWL/sc
4

10 Nov. 44

Reference : 051/ /PWU
Subject : Removal of Auto Police Unit
To : MINISTRY OF PUBLIC WORKS (Attn Ispettore Generale)

- 1) - Reference is made to your letter 20 Oct. 44 file 127.
- 2) - Arrangements have been made at some expense to provide shelter for the above unit at its present location.
- 3) - We do not therefore deem it wise to incur the expense of loading and unloading and providing new shelter at a point further north as a temporary measure.
- 4) - As soon as a location is obtained the unit can then be loaded and transported direct to the new site.
- 5) - This will only add one or two days more time to the hauling of the unit to the new location.

E. J. Barry
E. J. BARRY
Major, C.E.
Acting Chief Elec. Div.

see folio 1

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10 NOV Recd
051 C2

P.W. 4 U.
3
HEADQ
10 NOV 1944

HEADQUARTERS
PENINSULAR BASE SECTION
FORWARD ECHELON
APO 782

AG 675 BFMH

4 November 1944

SUBJECT: Reports on Electric Power Stations.

TO : Commanding General, COMZON& NATCUSA, APO 750.

Enclosed for your information are copies of reports prepared by 543rd Electrical and Mechanical Company, R. E. for the Engineer Service, Peninsular Base Section Forward Echelon:

- a. Gallicano Hydro-Electric Station.
- b. Lima Hydro-Electric Station.

C. I. HAMN,
Colonel, G. E.,
Commanding.

Cy to - AAT
ACC ✓

dit col happen

drag "happen"

More copies

- 1- VSK
- 1- Major Barry
- 1- Major Price
- 1- 1st Lt. Ennis
- 1- 1st Lt. Tolson

*Cy to
Mick*

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page 1.

GALLIGANO HYDRO-ELECTRIC STATION.M.R. 515404 Sheet 11. 1/200000.Report of visit of inspection of damage caused
by demolitions and shelling, 24th October 1944.1. INSTALLED PLANT.

- 5
27008
2160010
- (a) 3 No. 6000 Kva., 5 Kv., horizontal turbine alternator.
 - (b) 1 No. 3000 Kva., 5 Kv., " " "
 - (c) 1 No. 6000 Kva., 5 Kv., Vertical " "

EXTENT OF DAMAGE

- of (a) 1 No. set was dismantled and is now stored on site undamaged. This set could be put back into commission but gantry crane would be required.
2 No. sets demolished - beyond repair.
- (b) Demolished beyond repair.
- (c) Set not damaged by demolition but some damage caused by collapse of roof beams.
The exciter for this set had previously been dismantled and is now stored intact on site.
The extent of the damage to the set cannot be accurately estimated until the debris is cleared away, but as far as can be seen the damage is superficial and could be repaired with the use of a gantry crane.

2. TRANSFORMERSINSTALLED PLANT:

- (a) 2.No. 6000 Kva., 5 Kv/60Kv.
- (b) 1 No. 6000 Kva., 5 Kv/30Kv.
- (c) 1 No. 3500 Kva., 5 Kv/30Kv.

These transformers have suffered superficial damage by blast etc., and would require repairs and overhauling.

3. SWITCHGEAR ROOM.

Damaged by fire and blast . Considerable repairs to switchgear required.

page 2.

4. MAIN CONTROL PANEL

Slight damage only due to blast.

5. BATTERY CHARGING EQUIPMENT AND BATTERIES

Undamaged.

6. BUILDINGS.

The main turbine room has been completely destroyed. Other sections of Station damaged to a lesser extent.

7. GENTRY CRANES.

- (a) The main turbine room gentry has collapsed with the building and can be considered a write-off.
- (b) Gentry adjacent to transformer housing, undamaged.

8. INTAKE PIPES.

Water supplied thro' dual pipes, one large approx., diameter 8ft, one small approx., diameter 4ft. The larger pipe has been damaged at one expansion joint by the collapse of a concrete bridge spanning the pipe. The smaller pipe has been dismantled from seating by the same cause. Some minor damage to both pipes caused by shelling.

9. INTAKE WORKS ABOVE STATION AND DISCHARGE RESERVOIR SUPPLYING WATER TO PIANO DELLA ROCCA.

- (a) The intake works, which receive water from the station at CASTELNUOVO, are undamaged.
- (b) The spill-way from the works to the discharge reservoir is intact and water can be diverted to the latter without employing pipes to turbines.
- (c) The discharge reservoir has suffered slight damage to the interior spill-way baffle walls but this should not interfere with the supply of water to PIANO DELLA ROCCA.
- (d) Aqueduct from discharge reservoir to Piano della Rocca requires small repairs at position where canal crosses bed of stream adjacent to station.

PROPOSALS FOR RE-CONSTRUCTION OF STATION (Temporary)

1. Erect building cover over 1 No.6000 Kva vertical set.
2. Strip housing etc., and examine thrust bearing.
Repair damage to alternator housing.
Assemble excitor now stored on site.
This work could be carried out without the use of a gantry crane.
3. Repair transformers and switchgear so far as is necessary to run on set.
4. Repair intake pipes.

COMMENTS.

The condition of this plant is so bad and road access so difficult at the moment, that it is considered that repair work, if carried out, would be too slow to have any beneficial effect upon the supply of electrical power in the immediate future. So far as the supply of water to PIANO della ROCCA is concerned, no difficulty is anticipated at GALLICIANO, but the position will have to be reviewed after an inspection of the works at CASTELNUOVO.

Piano della Rocca.

Signed R. John Davies. Lt. R.E.
543 E.&M.Coy.R.E.
24th Oct.44.

page 1.

LIMA (Fabbriche) HYDRO-ELECTRIC STATION

M.R. 532399 Sheet 11. 1/200000.

Report of visit of inspection of damage caused by demolitions 22 Oct. 1944

I. INSTALLED PLANT

- (a) 1 No. 1550 Kva. 5 Kv. horizontal turbine alternator set.
 - (b) 5 No. 2000 Kva. 5 Kv. " " " "
- Set (a) has been demolished beyond repair.
 Set (b) one has been demolished on site.
 The remaining two sets were removed prior to the German occupation and stored adjacent to station.
 One set has been damaged by bombs.
 One set complete, 2000 Kva is available on site for re-erection.

1550
 6000
 7550
 60.406

2. TRANSFORMERS

- I No. = 5000 Kva. 5 Kv/60 Kv. damaged = can be repaired on site.
- L No. = 2000 Kva. 5 Kv/30 Kv. undamaged.
- I No. = 5 Kv/5 Kv. for protection of plant = slight damage only.

3. SWITCHGEAR AND ELECTRICAL EQUIPMENT.

Main switchgear undamaged.
Control panel damaged by blast = can be repaired on site.

4. SEPARATE EXCITERS, WATER-TURBINE DRIVEN. 2 No.

Both demolished beyond repair.

5. GANTRY CRANES

2 No. hand-operated = undamaged.

6. BUILDING

The main turbine room roof covering has been demolished.
But the roof trusses are only slightly damaged.
Some damage to remainder of building from blast.

page 2.

7. INTAKE WORKS AND WATER SUPPLY

The intake pipes and works are intact and an adequate supply of water is available.

8. PROPOSALS

Install the 2000 Kva., set now stored on site in position.
Use the undamaged 2000 Kva., 5 Kv/30 Kv transformer to handle the output from the above set.
Repair the damaged roof using C.I. Sheeting.
These works could be carried out in approx., one month using the available labour and with military assistance.

9. COMMENTS

At the moment access to Fabbriche is very bad.
From BACINI DI LUCCA to the site there are two bridges demolished and two very bad demolitions of cliff faces. It is impossible to get to Fabbriche except by bicycle or on foot and it appears that no immediate action is contemplated by the military authorities.

PIANO DELLA ROCCA.

Signed R. John Davies. Lt.R.E.
543 E.M. Coy R.E.
23 Oct.44.

ACP/h1

10 NOV Recd

051
CWB

2

HEADQUARTERS ALLIED COMMISSION
APO 394
Transportation Sub-Commission

Tel: 478701
Our Ref: AC.Tn/88/

9 November 1944

TO : Public Works & Utilities Sub.Comm. ✓
HQ. AC.

SUBJECT: Rail Services Electric - Naples Area.

no = 178
old set

1. Reference your letter ACC/OSI/PWU⁰⁵¹ of 4 Oct.
2. Please say the position and be good enough to advise this Sub-Commission as to authorized increases, in order that the normal channels through the Minister of Communications can be followed and the services introduced to suit Allied needs.

D.S. Adams
D.S. ADAMS
Colonel, C.E.
Director, Tn.Sub.Comm.

*Coft J.W. ... SC.
To notify ...
to make final application
for power and give date
when the transmission system
will be ready for service. J.P.*

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6 NOV Recd 051

Roma, 30 OTT. 1944



Ministero dei Lavori Pubblici

~~SEGRETERIA~~

Ufficio Elettricità-Acqua-Gas

N. 124

Headquarter's Allied
Control - Commission-
Subcommission - Public
Works and Utilities
A.P.O. 394 - Via Veneto

R O M A

Risposta a nota del

OGGETTO: Rimozione Gruppo impianto elettrico
del Belice.

Questo Ufficio conviene nel parere espresso da codesta Commissione di mantenere a disposizione il gruppo turbo-alternatore indicato in oggetto per uso di uno degli impianti elettrici del Nord Italia che siano stati maggiormente danneggiati dalla guerra ed interessa pertanto codesta Commissione affinché, in attesa di più precisa destinazione, esso venga trasportato in una stazione più prossima al suo futuro posto d'impiego.

*No lavoro
Lavoro del 2/11
dopo lavoro*

L'ISPETTORE GENERALE

M. Visentini

P. S.

*answered
Folio 475
by 10/11/44 mlb 2 475*

Transmittal

P. W. Winkler
Electricity - Veh. Gas Div
Prot n 127

Rome Oct 30th 1944

To: Headquarters A. E. C.
P. W. & U. S. - L. APO 394
Via Venice - Rome
^{Auto} Service unit

Subject: Removal of Service unit

This office is in agreement with
this S-C. to keep the turbo-alternator
unit in question for the use of one
of the electric plants of Northern Italy
more heavily damaged by the war;
therefore we beg you in the meantime
not to be transported over to

ing ^{Auto} of Police unit
Subject: Removal of

This Office is in agreement with
SAs S-C. to keep the turbo-alternator
unit in question for the use of one
of the electric plants of Northern Italy
more heavily damaged by the war;
therefore we beg you to
do let it be transported near to
the place at which it will be used in

474

Keep it until the Inspector General

~~What is a permanent~~
we find a permanent
location
7/11/44
M. Visentini
agreed 7-11-44
by

MD

AN 475
Folio 10711/44

0944