ACC 051/PWU

10000/150/1
(VOL.1)(PART I)

10000/150/1
(VOL. 1)(PART I)

ELECTRICITY ITALY,
ELECTRIC POWER
DEC. 1943 – MAY 1944

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

WL/ Ef

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

ACC/051/FWU

30 May 1944.

SUBJECT: Central Electrical Board.
TO : Vice President, Economic Section.

1. A meeting of the Central Electrical Board was held this morning at which Lt. Col. Lapper was present, Major General Coxwell-Rogers being Chairman.

2. Among the items on the agenda was that of Supply of Materials for the Electrical Companies. The Chairman said that this was a matter for A.C.C. to handle and Lt. Col. Lapper replied as follows:-

a) Provision of Trucks. The provision of trucks for the electrical companies was having our attention and it was hoped to provide requisitioned civilian trucks at an early date.

b) Tyres. The electrical companies had a long list of tyre requirements and it was hoped to arrange for a few new tyres to be supplied so that existing worn tyres could be released and a system of re-treading carried out.

c) Flashlamps. Orders had already been placed for a large quantity of flashlamps for the companies.

2. Col. Growdon complained that he had not yet been supplied with any means of transport. The Chairman stated that A.A.I. had ruled that the establishment of the C.E.B. was an A.C.C. matter and asked Lt. Col. Lapper to take this matter up with A.C.C. so that provision could be made for the proper personnel, transport, etc.

L. A. JENNY,
Lt. Col., C.E.,
Director.

BEST COPY POSSIBLE

HQ,
ALLIED ARMIES IN ITALY,
C.M.F.

2131/92.

May 44.

Vice-Chairman,
Central Electrical Board,
A.A.I.

Reference your letter of 14 Apr., 44, the following replies deal with your comments on paragraph 4 of Minutes of the Meeting of AFLR(I) Board of 10 Apr., 44.

(a) You are correct in saying that questions regarding the pay and feeding of labour will be handled by the Public Utilities Sub-Commission, A.C.C. If the Central Electrical Board desires to see a change on any matter of policy in connection with labour it should address its requests to the above Sub-Commission. It would not be proper for the Board to issue a "policy direction" to the A.C.C., firstly because it is not in a position to do so, and, secondly, because any such direction would be liable to have an implication in regard to labour generally.

(b) It is correct that the Central Electrical Board should issue instructions regarding the generation of power at the various plants direct to the Electric Power Companies. Copies of all such instructions should be sent to the Public Utilities Sub-Commission, A.C.C.

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(c) Since receiving your letter there has been correspondence with the Chief Commissioner, A.C.C., on this point. The situation is not yet entirely clear, and it is felt that you should discuss the matter personally with the Public Utilities Sub-Commission, A.C.C., in order to obtain the final statement, but this must be subject to the following principles:-

(i) In accordance with this HQ Administrative Instruction No.27 dated 6 Feb., 44, paragraph

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Utilities Sub-Commission, A.C.C. If the Central Electrical Board desires to see a change on any matter of policy in connection with labour it should address its requests to the above Sub-Commission. It would not be proper for the Board to issue a "policy direction" to the A.C.C., firstly because it is not in a position to do so, and, secondly, because any such direction would be liable to have an implication in regard to labour generally.

(b) It is correct that the Central Electrical Board should issue instructions regarding the generation of power at the various plants direct to the Electric Power Companies. Copies of all such instructions should be sent to the Public Utilities Sub-Commission, A.C.C.

211

(c) Since receiving your letter there has been correspondence with the Chief Commissioner, A.C.C., on this point. The situation is not yet entirely clear, and it is felt that you should discuss the matter personally with the Public Utilities Sub-Commission, A.C.C., in order to obtain the final statement, but this must be subject to the following principles:-

(i) In accordance with this HQ Administrative Instruction No.27 dated 8 Feb., 44, paragraph 6(c) and (d), the C.E.B. is correct authority for requesting from the Armed Forces release of supplies. It is the only body on which the Services are represented by fully qualified technical representatives. The Services will not recognise a request emanating from any other source.

(ii) Centralisation at the C.E.B. should not be allo to hamper the settlement of minor matters whic can be more conveniently dealt with between th Companies and the regional representatives of A.C.C.

(iii) All orders for imported material must pas the C.E.B. This ruling has been given

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(d) It was agreed at the meeting that such instructions should be issued to the A.C.C. Should experience prove that this procedure involves unnecessary delay without compensating advantages, A.C.C. will then agree that instructions may pass direct from the Board to the Companies.

(e) The arrangements which you describe in regard to planning should continue, but copies of reports made by the Companies to the C.E.B. should be sent to the Public Utilities Sub Commission, A.C.C.

(Sgd) B.H. ROBERTSON,
Major-General,
Chief Administrative Officer.

Copy to:- HQ., Allied Control Commission.
Local Resources Section.

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27 May 44

Lt. Col. Heffner

attached is information on the strike of ..... electric employees. which I asked Lt. Butcher to give us a report on.

L M L 269

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HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works & Utilities Sub-Commission
APO 394

CWA/in

ACC/051/PWU

28 May 1944

Subject : Strike at Sila and Bari on 23 May 44.

To : Director, Labour Sub-Commission.

1. Herewith, for your information, copy of a confidential memorandum forwarded by Lieut. J.L. Butcher, our Electrical Engineer, in Region II.

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W.M. LAPPER
Lieut-Colonel
Chief, Utilities & Adm.

BEST COPY POSSIBLE

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Captain Laughlin

R.B.H.Q. Head

Lt. Col. Tapper

Received Confidential Memorandum on a short stroke at Lilo and Bari on Tuesday 23/5/44.

Although as Medical Officer I did not wish to supply more than necessary I considered some explanation was necessary to allay any anxiety in case it spread.

26/5/44.

Jno. L. Baker

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SOCIETA' GENE LE PUGLIESE DI ELETTRICITA'

CONFIDENTIAL MEMORANDUM

May 23, 1944

On May 22, in all SME substations and plants, from Sila as far as Bari, at the suggestion of the SME Workmen Representative Committee at Sila, have started a strike from 10.00 hours until 10.20 hours. -

This strike was decided because of some requests as to payment of wages which had been made to the SME management in Naples and which had not been immediately accepted. -

The workmen did not leave their place and only had decided not to operate any device in case it would have been necessary to do so.

None of the workmen at the Foggia substation did strike nor those who were working at the repair of the 150 KV Foggia Alanno line.

At 10.20 hours the work was resumed everywhere as a message arrived to Sila from Naples with the signature of engineers Masturzo and Brun stating that the requests made by the workmen had been accepted and that accounts on their additional wages would have been immediately paid. -

The number of workmen who actually joined the strike was about 100 out of 140 approx. total present workmen. -

The above strike of short duration did not cause actually any. disturbance to the electric power supply in any part of the system.

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The workmen did not leave their place and only had decided not to operate any device in case it would have been necessary to do so.

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WML/ecb

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

29 May 44.

ACC/051/PWU

Subject: Electricity. Italy.

To : 11 C.E. Works, Eighth Army.

Attached is information which may be useful in connection with the Matese p lant.

W.M. LAPPER,
Lieut-Colonel,
Chief, Utilities & Adm. Div.

Encl: Data Re Alto Belice Plant.

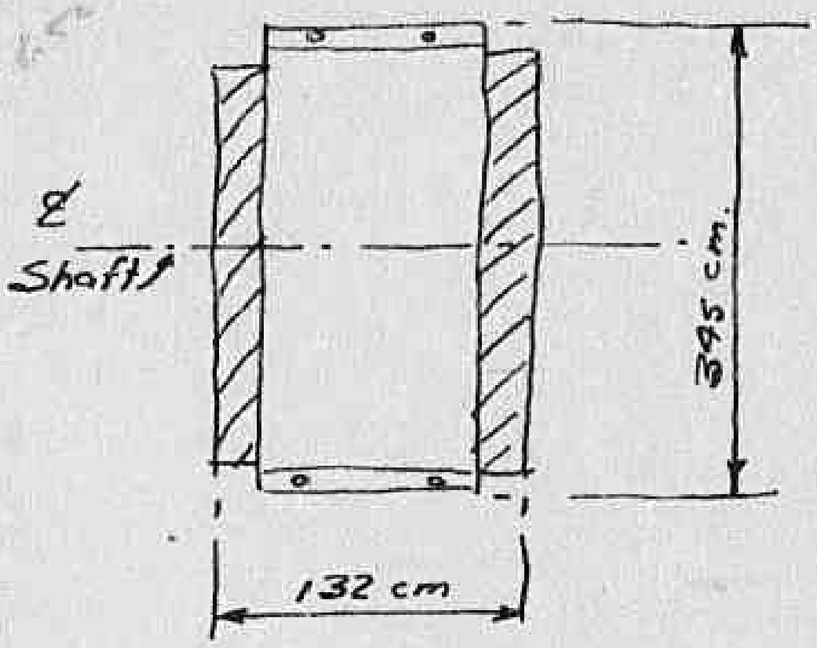
205

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

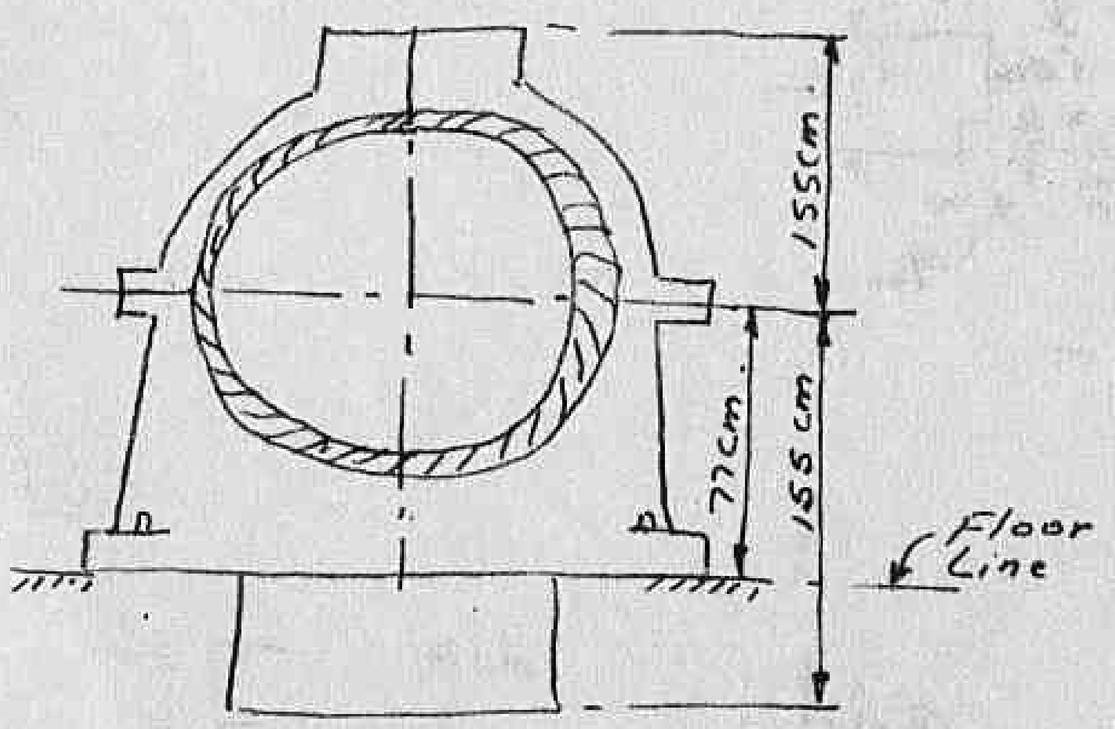
Alto Belize. Unit

DIMENSIONS

Generator.



PLAN.



SIDE VIEW.

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

Penstock D/prog
No 2 Manese

Clamp

Bolt holes 28

pipe 89 cm I.D.

No 2

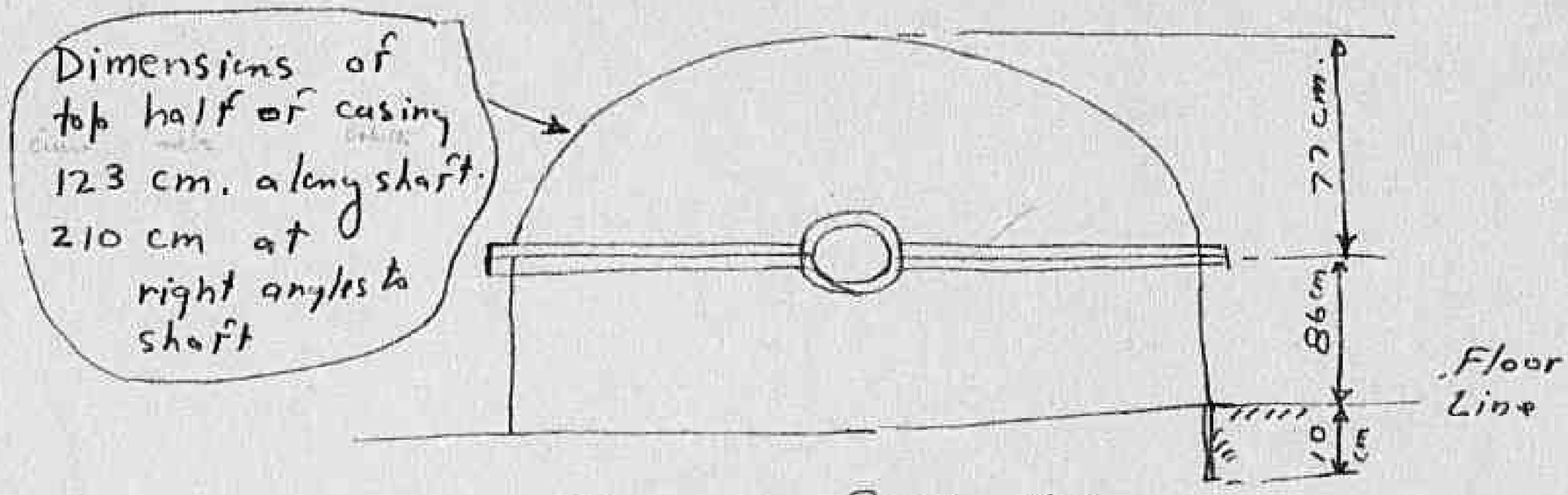
Declassified E.O. 12356 Section 3.3/NND No. 785019

(3)

A TO BELICE UNIT.

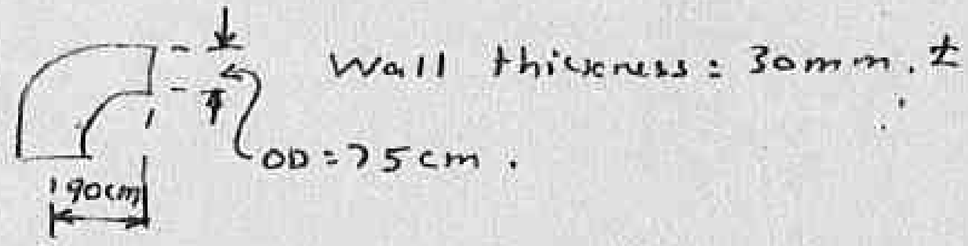
DIMENSIONS.

TURBINE.

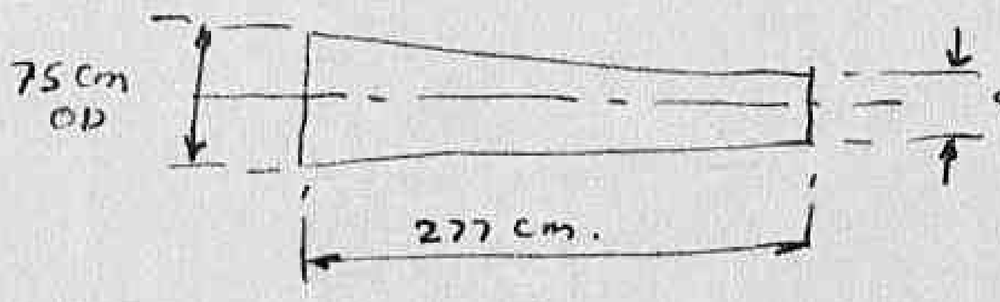


TURBINE SIDE VIEW.

ELBOW.



TAPERED PIECE OF PIPE



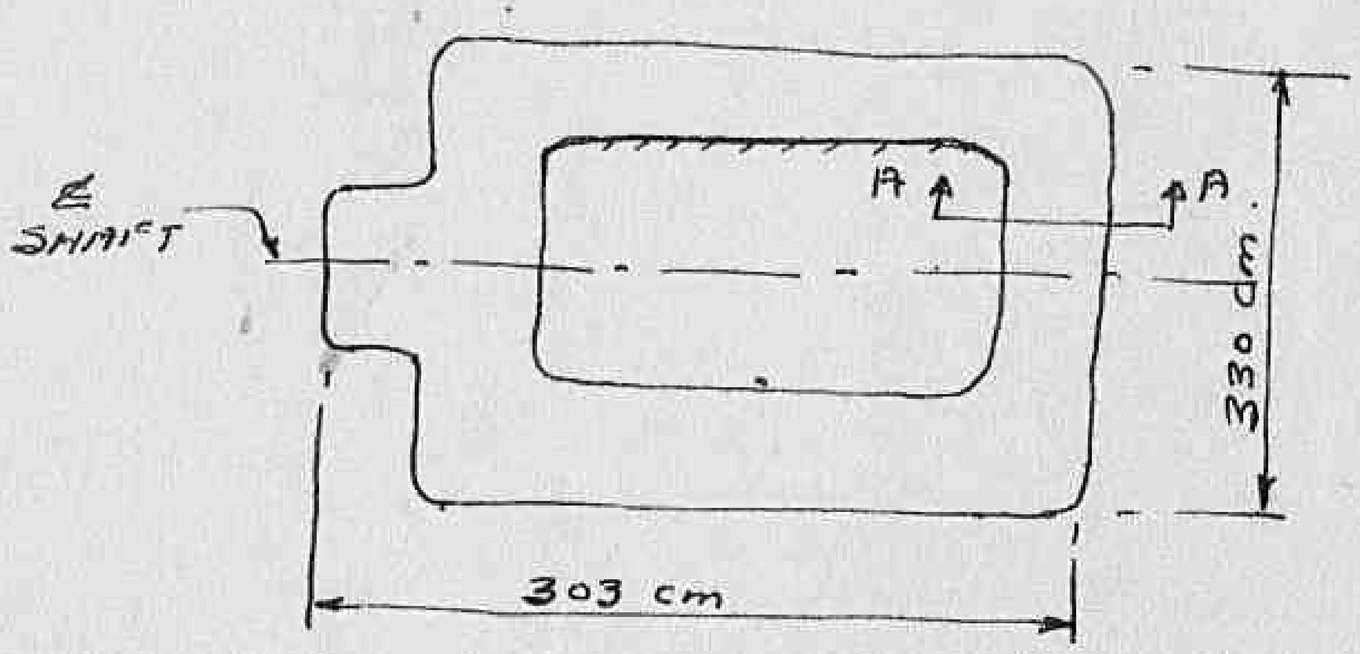
Declassified E.O. 12356 Section 3.3/NND No. 785019

(2)

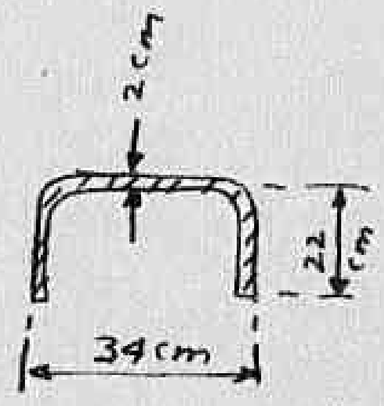
ALTO BELICE UNIT

DIMENSIONS

Generator

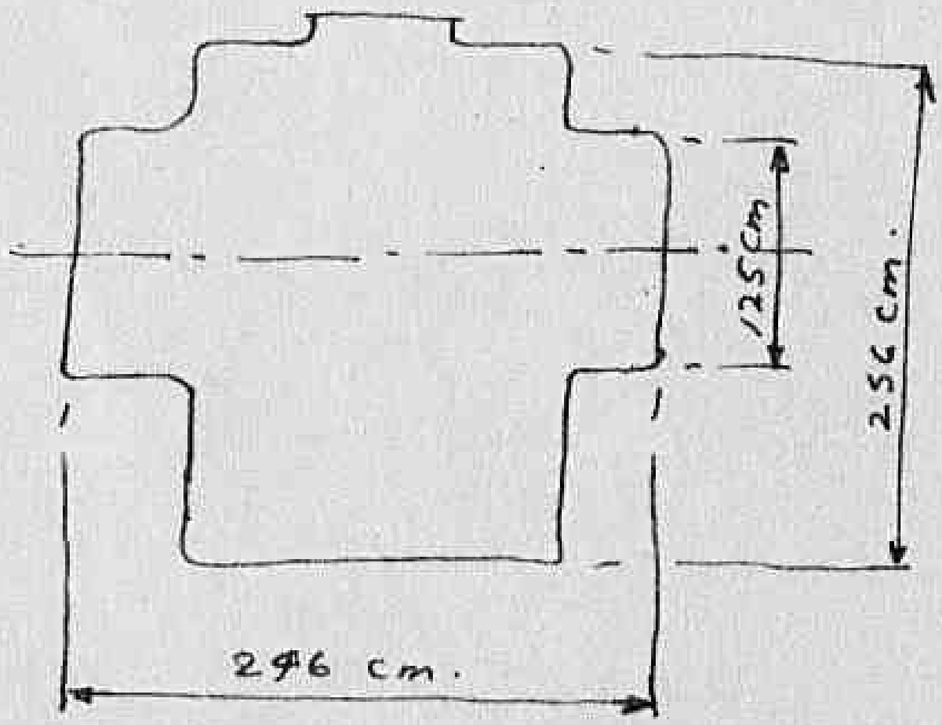


GENERATOR FOUNDATION PLAN.



SELTION A-A

TURBINE:



TURBINE BED PLATE PLAN.

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(9)

ALTO BELICE UNIT

DIMENSIONS.

SERVOMETER: 4' x 4' x 5' high.

STOP VALVE: 3'Ø x 6' high.

NEEDLE VALVE: 3'Ø x 6' high.

THROTTLE about same as needle valve.

OIL SWITCH - 3 COMPARTMENTS.
EACH 3 Feet Long x 1½' x 3' high.

2 PTS - each 12"Ø x 1'-3" high.

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EQUIPMENT TO BE MOVED
ALTO BELICE PLANT

		Pieces
Alternator		
Stator	4'- 9" along shaft. 11'- 9" wide 10'- 7" high 40,000 lbs.	1
Rotor and exciter armatures	22,000 lbs.	1
Exciter Frame & Bed	1,000 lbs.	1
Bearings	4,000 lbs.	2
Bedplate	9'- 10" along shaft 10'- 10" wide 0'- 9" deep 4,000 lbs.	1
End Bells	1,000 lbs.	1(Plates crated together

Cat Pieces
please make
1 Copy
Incl

200

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

EQUIPMENT TO BE MOVED
ALTO BELICE PLANT.

Alternator - Continued

Air Duct	1.000 lbs.	1(Plates crated together
Slip Ring & Exciter Brush Gear	50 lbs.	1

Turbine

Casing-top	4'- 0" along shaft 6'-11" wide 2'- 6" high weight. 2.000 lbs	1
Casing-bottom.	4'- 0" along shaft 6'- 11" wide 3'- 2" deep weight 3.000 lbs.	1
Wheel -	4'- 0" diameter. weight 4,000 lbs.	1

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EQUIPMENT TO BE MOVED
ALTO BELICE PLANT

TURBINE (continued).

Bearings. 2

Weight 4.000 lbs.

Main Valve

3 Feet dia.
6 Feet high.

40,000 - lbs
22,000
1,000
4,000
4,000
1,000
1,000
500
2,000
3,000
4,000
4,000
Total 86,000 lbs

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

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DATA RE ALTO BELICE UNIT.

Name Plate Data

1. Alternating Current Generator No. 3096635

Type ATB/8/3500 M/750

Form S

Amp 202/187 Speed 750

Power Factor .7

Kw. 2450

50 Cycles.

10000/10800 Volts

3500 KVA - Continuous Stator rise 50°

- Continuous Rotor rise 60°

2. Direct Current Generator No. 1201519.

Type EC 7 - 4 - 20 - 750

Form A.

Amp 160 Speed 750 rpm

Volts No. Load: 125
Volts Full Load: 125

20 Kw continuous 50° Rise

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

SECRET

WML/in

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works & Utilities Sub-Commission
APO 394

ACC/085/PWU

25 May 1944

Subject : Furnishing Food Ration to Civilian on Electrical Project.

To : Headquarters Fifth Army
(through P.B.S. Engineer Section, H.Q. P.B.S.)

1. Reference is made to your letter dated 13th May 1944. Ref WF/BWS/tmm concerning the feeding of civilian workers in the Fifth Army Area.

2. Administrative instructions Nº 27 and 28 which were attached to your letter now make it clear that the Italian Army Basic Ration may be obtained for the civilian workers engaged on the project as outlined in my letter dated 14th April 44, copy of which is attached.

3. As the work for which these civilians are being employed is of military importance and since they will be working directly with Italian Army Troops in the field, it is requested that the Italian Army Basic Ration Scale be provided. Full details of the work on which they will be engaged is given in the attached copy letter dated 14th April 44.

4. Enclosed herewith is a letter dated 17th May 44 from A.A.I. to H.Q. P.B.S. in which is set out the final arrangements for collaboration between P.B.S. and ACC for the carrying out of this work.

Under 2 (a) is stated that ACC will arrange for civilian scale of Rations, but in view of the conditions outlined in our letter of the 14 April it is considered this will be insufficient for men working in forward Areas.

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SECRET

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

Under 2 (b) is shown the Scale of wages which the State Railway pay to their employees, and which we have agreed is reasonable in view of the special nature of the work on which the men will be engaged.

5. In connection with Para 6 of Administrative Instruction N°28 concerning the payment and accounting, arrangements will be made made whereby the Italian State Railway will reimburse the Italian Army for all food issued to their civilians.

W.M. LAPPER
Lieut-Colonel
Ch.Utilities & Admin.Div.

2 Encls:-
1. Copy letter to Army Sub C. 14 April 44
2. " " to Com.Gen.P.B.S. 17 May 44
3. " " to HQ., A.C.C., 13 May 44.

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

SECRET
COPY

AG 230-Q 1st Ind. WF/EWS/tmm
HEADQUARTERS, FIFTH ARMY, APO 464, US Army, May 13, 1944.

To: Commanding Officer, Headquarters Allied Control Commission, Public Works and Utilities Sub-Commission, APO 394, U.S. Army.

1. Administrative Instructions No. 27 and 28, this Headquarters, with change 1 to Administrative Instructions No. 27, state the present policy for feeding civilians working in Fifth Army Area.

2. To obtain uniformity, it is desired that these directives not be exceeded for civilians working in this area.

3. Request required by Paragraph 4b, Administrative Instructions No. 28 should be submitted by the employing agency through Commanding General, HBS, to Commanding General, Fifth Army, stating all pertinent facts, so proper provision can be made to feed these labourers.

For the ARMY COMMANDER:

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E.W. SAUFEL,
Major, A.G.D.,
Asst. Adjutant General.

SECRET

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

U. S. SECRET
EQUALS BRITISH SECRET

SECRET

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

VSR/mc

ACC/085/PWU

14 April 1944

Subject: Furnishing Food Rations to Civilians on Electrical Project.

To : The Army Sub-Commission, Allied Control Commission.

1. The Penisular Base Section of the United States Army, and the Allied Control Commission have recently received authorization from NATOUSA to rehabilitate, an electric transmission line running between Naples and Rome. The rehabilitation of this line is both a military and civilian necessity since it is the most positive means of providing a sizeable supply of electricity to Rome after the Allied occupation of that city. Experience in the past few months has shown that the enemy is endeavering to destroy all important electric facilities during his withdrawal.

2. It is planned, in the rehabilitation work, for the Penisular Base Section to provide the necessary supervision, some construction equipment, and the tentage needed to shelter the workers, both military and civilian.

3. Employed on the project will be several units of the Italian Army, somewhat experienced in this kind of work. Also, there will be used approximately 300 civilians who are presently employees of the Italian State railways, and who are experienced in the erection of electric transmission lines. The civilian employees and the Italian Army personnel will be billetted together.

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U. S. SECRET

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U.S. SECRET
EQUALS BRITISH SECRET

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SECRET

4. Some units of an American Army engineer regiment will be used in a supervisory capacity. It is believed likely that much of the work will take place near the battle area.

5. The Allied Control Commission has been charged amongst other things, with arranging for the payment and the feeding of the civilian employees on this project.

6. Details are rapidly being settled; however one point of concern which still exists is that it will be necessary to feed the Italian soldiers, and civilians in the same messes. The Italian soldiers, will receive the Italian Basic Field Ration, which, because it is fed to combat forces, contains more food than the present authorized civilian ration; which would, normally be supplied to the civilian workers.

7. It is strongly believed that justification exists to furnish the Italian Basic Field Rations to the civilian employees in this case because:

(a) Of the great importance of the transmission line, and the consequent necessity of avoiding sources of friction between the Italian soldiers and civilians.

(b) The civilians will be under military supervision, subject to military discipline, and will be working in an area near the front.

(c) The work will be of a strenous character.

8. It is urgently requested that this matter be brought to the attention of the Italian Army authorities and that the Army Sub-Commission make the necessary arrangements to permit the civilian employees to receive the basic field ration during the construction of the Naples-Rome transmission line. It is further requested that this Headquarters be notified as soon as possible of the arrangements made.

W.M. LAPPER,
Lieut.Colonel
Chief, Electrical Div.

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EQUALS BRITISH SECRET

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U. S. SECRET

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WF/BWS/tmm

AG 230-Q
1st Ind.
HEADQUARTERS FIFTH ARMY, A. P. O. #464, U. S. Army. MAY 13 1944

To: Commanding Officer, Headquarters Allied Control Commission, Public Works and Utilities Sub-Commission, A. P. O. #394, U. S. Army.

1. Administrative Instructions No. 27 and 28, this Headquarters, with change 1 to Administrative Instructions No. 27, state the present policy for feeding civilians working in Fifth Army Area.

2. To obtain uniformity, it is desired that these directives not be exceeded for civilians working in this area.

3. Request required by Paragraph 4b, Administrative Instructions No. 28 should be submitted by the employing agency through Commanding General, PWS, to Commanding General, Fifth Army, stating all pertinent facts, so proper provision can be made to feed these laborers.

For the ARMY COMMANDER:

B. W. SAUNDERS,
Major, A. G. D.,
Asst. Adjutant General.

5 Incls.
Added 3 Incls.
Incl 3. - Adm. Instr. No. 27
Incl 4. - Adm. Instr. No. 28
Incl 5. - Change 1 to Adm. Instr. No. 27

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U. S. SECRET

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

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

WML/ccb

207

ACC/C84/PWU

3 May 44.

Subject: Rations for Civilians on Electrical Project.

To : Headquarters, Fifth Army.

1. Attached are letters dated 14 Apr. 44 and 24 Apr. 44, dealing with the question of procuring Italian Army basic rations for 300 State Railway employees who will be engaged on the rehabilitation of a transmission line to Rome.

2. The letter of 14 Apr. fully explains the project and the reply from the C.A.C., A.A.I., states that application should be made to the Army Commander concerned.

3. As this is a most important reconstruction work and will undoubtedly have to be carried out in the shortest possible time, we are of the opinion that the civilian workers engaged thereon should be given the same rations as the Italian Army engineer units to which they will be attached.

4. It is requested that this Headquarters be notified at an early date whether it is possible for this arrangement to be made.

L.A. JENNY,
Lt-Col., C.E.,
Director.

U. S. SECRET
BOURLS BRITISH SECRET

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U. S. SECRET
EQUALS BRITISH SECRET

5-2676
16 MAY
PW-U

AG 230-Q 1st Ind. WT/PWS/tmm
HEADQUARTERS FIFTH ARMY, A. P. O. #464, U. S. Army, MAY 13 1944

To: Commanding Officer, Headquarters Allied Control Commission, Public Works and Utilities Sub-Commission, A. P. O. #394, U. S. Army.

1. Administrative Instructions No. 27 and 28, this Headquarters, with change 1 to Administrative Instructions No. 27, state the present policy for feeding civilians working in Fifth Army Area.

2. To obtain uniformity, it is desired that these directives not be exceeded for civilians working in this area.

3. Request required by Paragraph 4b, Administrative Instructions No. 28 should be submitted by the employing agency through Commanding General, PBS, to Commanding General, Fifth Army, stating all pertinent facts, so proper provision can be made to feed these laborers.

For the ARMY COMMANDER:

B. W. SAUREL,
Major, A. G. D.,
Asst. Adjutant General.

5 Incls.
Added 3 Incls.
Incl 3. - Adm. Instr. No. 27
Incl 4. - Adm. Instr. No. 28
Incl 5. - Change 1 to Adm. Instr. No. 27

Lt Col Hopper
will you please arrange accordingly Reg. 14/5

A.C.S.
13 MAY 1944
HEADQUARTERS

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U. S. SECRET
EQUALS BRITISH SECRET

34-13-55 15 Hist Coy 72

111005/5

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

U. S. SECRET
COPY EQUALS BRITISH SECRET

200

SUBJECT: Rations for Civilians on Electrical Project.

HEADQUARTERS,
ALLIED ARMIES IN ITALY

Public Works & Utilities Sub-Commission,
AC.C.

1047/4/Q1

24 Apr 44.

Reference your ACC/PWU dated 14 Apr 44 addressed to Army Sub Commission.

1. Your request to feed civilians from Allied or Italian Military stocks has frequently been taken up with A.F.H.Q.; but for the exception of certain authority granted to Army Commission, no ruiinghas been given.

2. It is noted that Italian military and civilians will be working together on this project. It is felt that if provision were made for separate messing and billeting, the handicap mentioned in your letter would be more readily overcome.

3. With regard to the difference in bulk between the Italian military ration scale and the civilian scale, the recent decision of the A.C.C. to increase the ration for civilian labour working for the Power Companies should provide enough sustaining food for the type of labour which will be employed on the project.

4. It is pointed out however that if the civilian labour is from time to time employed within the Army area it will be left to the discretion of the Army Commander whether rations are to be issued on the Italian military scale or otherwise.

5. Unless therefore, the civilian labour is employed in the Army area, it is regretted that the issue of the basic ration scale cannot be permitted.

S/ ? Maj
for Major General,
Chief Administrative Officer.

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Copy to - G-4
Army Sub-Commission, ACC

U. S. SECRET
EQUALS BRITISH SECRET

Incl 2

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

U.S. SECRET
Equals British MOST SECRET

Hq ACSF (Adm. Echelon)
APO 400

ALL/jra
3 March 1944

SUBJECT:- Allocation Electrical Rehabilitation Project.

TO:- Commanding General, Peninsular Base Section, APO 782, U.S.Army.

1. In conformity with the provisions of radio instructions (Freedom to Flasbo - 44763 - Sigs No. 4532 131/02) and pursuant to action of the ACSF Central Electrical Board at its meeting on 14 February 1944, the rehabilitation of the electric transmission line from the Capuano Steam Plant in Naples to the Prenestina substation in Rome is allocated to the Commanding General, Peninsular Base Section.

2. The double circuit Volturno line from the Doganella plant to the crossing of the S.M.E. Liri line, the double circuit S.M.E. Frattamaggiore line to Minturno and the F.F.S.S. single circuit line from Minturno to Rome are to be repaired and connected to form a single circuit 60 kv line from the Capuano Steam Plant, Naples to the Prenestina substation, Rome.

3. So far as practicable the material required to repair the linen, Capuano to Minturno, is to be obtained by cannibalizing the Volturno line in sections not yet repaired. Similarly material required to repair the F.F.S.S. line, Minturno to Rome, should be procured, so far as practicable, from stock now in possession of the F.F.S.S. and by cannibalizing parts of the S.M.E. 150 kv. Pescara-Frattamaggiore line. The Minturno-Rome line should be constructed with the same insulation and clearance as the original line.

4. In all rehabilitation work the maximum amount of material from damaged and unnecessary lines should be used. The Central Electrical Board will undertake to locate and provide required materials not under the control of Commanding General, Peninsular Base Section, by salvage and cannibalization of other Italian systems including Sicily and Sardinia. Wherever work is done or materials are salvaged in areas not under control of Commanding General, Peninsular Base Section, theCentral Electrical Board will inform the proper area authority and arrange for such assistance from that area authority in providing materials and expediting the work as is practicable. When new material or equipment is required which becomes a part of theelectrical system, the Commanding General, Peninsular Base Section, should consult the Central Electrical Board as to the source of supply. Items required to be issued from British or American military stocks should be procured and authorized in accordance with existing instructions of the respective supply services.

5. Minimum use should be made of Allied military units. Maximum use will be made of Italian commercial firms and civil labor. In connection with payment of services and supplies furnished from Italian resources attention is invited to AFHQ Administrative Memo. No. 95, dated 27 December 1943. Every effort will be made by direct action between Commanding General, Peninsular Base Section and Allied Control Commission to assure that, to the maximum extent

practicable, the project is financed both as to labor and materials by the Italian Government.

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6. The Commanding General, Peninsular Base Section, is requested to take the necessary steps to secure authority for the use of Allied stores and equipment including accommodation stores and food as may required for the prompt accomplishment of his allocated task.

7. The rehabilitation should provide only reasonable safety and continuity of operation. Special safety features such as double insulator strings and duplicate switches may be omitted. State safety codes and regulations may be disregarded.

8. The ability to transmit power to Rome within 30 days after the occupation thereof is desired.

(sgd) A.L. HAMBLEN
Brig. Gen'l.
for
Major General,
Chief Administrative Officer.

SECRET

AG 674 EPEING (8 Mar 44) 1st Ind.
HEADQUARTERS, PENINSULAR BASE SECTION, APO 782, 2 April 1944

TO: The Chief Administrative Officer, A.A.I. Adm. Echelon, APO 400.

1. Authority has been granted to me in SOS Radio L-12518 (paraphrase attached) by the Commanding General, SOS, NATOUSA, to proceed with the rehabilitation of the west coast transmission line from Naples to Rome under the following conditions:

a. Work to be undertaken is to be only that which I consider a military necessity.

b. Rehabilitation beyond the scope of military necessity as determined by me is to be considered an ACC/AMG responsibility in which I am not to participate.

c. ACC/AMG is to furnish food for civilian labor and pay civilian wages, all contract costs and for materials procured locally.

d. Minimum essential tentage, bedding and housekeeping equipment required for the use of civilian labor in the field are to be issued from Peninsular Base Section stocks.

2. If the foregoing conditions are acceptable to you, it is requested that you submit a plan for the fulfillment of those listed under paragraph 1 c. If this plan is satisfactory to me, I am authorized to proceed with the work.

ARTHUR R. WILSON
Major General, U.S.Army
Commanding

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SECRET

HEADQUARTERS
PENINSULAR BASE SECTION
APO 782

Paraphrase of Radio I-12818 (FBS 21157), cite SCDS-217 S, SCUSC, SSSIG, SSENG, SSORE, from CG SOS NATOUSA to CG PENBASE for action, CG NATOUSA for information, classification SECRET, precedence OPERATIONAL PRIORITY, dated 28 March 1944.

Subject is power line rehabilitation Naples to Rome; reference PEN-BASE 10254, 5 March and SOS radio I-3901, CITE SCENG 116, dated 9 March. You are to inform ACSF Adm Fch that you are authorized to undertake the rehabilitation of West Coast transmission lines from Naples to Rome under the following conditions only:

a. The work you will undertake is to be only that which you consider to be a military necessity.

b. Rehabilitation beyond the scope of military necessity as determined by CG PBS is the responsibility of ACC/AMG in which CG PBS does not participate.

c. ACC/AMG will furnish food for civilian labor, pay civilian wages, pay contract costs and purchase materials locally available. When ACSF Adm Fch accepts the foregoing conditions and submits a satisfactory plan acceptable to you for their fulfillment, you are authorized to commence proceed with the work. You are authorized to issue minimum essential tentage, bedding and housekeeping equipment required for use of civilian employees in the field. 6-Signal Corps K-43 line trucks, 4-motorized air compressors, 4-truck mounted or crawler type cranes are authorized for issue to 345 Engr General Service Regt. As available in depot stocks with miscellaneous small tools as needed. Issues of T/E equipment in excess of T/E are not authorized. You are to submit additional requirements to this headquarters for approval.

ACTION - Engr
INFO - QM, Sig, G-4, Ord, HQ ACC, BPA, CG, Secy.

These instructions apply to all Allied Troops of Fifth Army.

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(Equals British Restricted)

HEADQUARTERS FIFTH ARMY
A.P.O. #464, U. S. Army

EHR/RHT/thp
12 February 1944

ADMINISTRATIVE INSTRUCTIONS NO. 28

SUPPLY OF FOOD TO ITALIAN CIVILIAN LABOR

1. General. - Effective this date, units and formations of Fifth Army employing civilian labor as provided in Administrative Instructions No. 27, are authorized to issue food to such civilian employees hired directly or through civilian contractors, under the conditions outlined below.

2. Responsibility.

a. Organizations employing civilian labor will be responsible for the drawing of food and provision of the facilities necessary for the preparation of meals. Meals will be served and consumed at the site of employment.

b. Care will be exercised in the feeding of all labor personnel to ensure that:

(1) Only bona fide employees are fed.

(2) Feeding is carried out at the proper scale.

(3) Food leakages do not exist.

3. Personnel Entitled to Food.

a. Civilian laborers employed directly by Allied Forces.

b. Civilian contract labor employed by Allied Forces.

4. Scale of Issue.

a. Normal - Each civilian laborer working a shift of 8 hours or more, is entitled to one meal on the basis of Italian Menu #2, furnished from Allied stocks, as follows:

ITALIAN MENU #2

Item	Quantity per person per day
Flour	1/4 lb.

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contractors, under the conditions outlined below.

2. Responsibility.

a. Organizations employing civilian labor will be responsible for the drawing of food and provision of the facilities necessary for the preparation of meals. Meals will be served and consumed at the site of employment.

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a. Civilian laborers employed directly by Allied Forces.

b. Civilian contract labor employed by Allied Forces.

4. Scale of Issue.

a. Normal - Each civilian laborer working a shift of 8 hours or more, is entitled to one meal on the basis of Italian Menu #2, furnished from Allied stocks, as follows:

ITALIAN MENU #2

Item	Quantity per person per day
Flour	1/4 lb.
or	or
Bread	1/3 lb.
*Fresh or dried Vegetables	6 oz.
**Fresh Meat	1 oz.
or	or
Dehydrated Soup	4/5 oz.

* Dried vegetables may be substituted when fresh vegetables are not available
** Dehydrated soup will be substituted when fresh meat is not available.

b. Special. - Units or formations working under severe conditions or in remote localities where insufficient food exists or where labor is required to remain in the working area 24 hours a day may, after submission of request to, and approval of, the Commanding General, Fifth Army, draw and issue rations on the basi of Italian Menu #1 furnished from Allied stocks, as follows:

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ITALIAN MENU #1

Item	Quantity per 100 persons per day
*Flour	112.50 lbs.
**Beans, dry	12.50 lbs.
***Preserved Meat	25.00 lbs.
Sugar	6.25 lbs.
Pepper	0.03 lbs.
Coffee	3.12 lbs.
Tomato catsup or paste	3.12 lbs.
Macaroni	18.75 lbs.
Cheese	6.25 lbs.
Rice	12.50 lbs.
Dried Vegetables	9.37 lbs.

* Or other alimentary product at the rate of one pound of alimentary product (Except for Macaroni or noodles) for one pound of flour up to a maximum of 75 pounds of flour.

** Or other locally purchased canned vegetables at 12.5 lbs. per 100 men.

*** Or (A) one of the following items:

Herring, tinned	3.59 lbs.
Sardines, tinned	1.80 lbs.
Salmon, tinned	2.62 lbs.
and including three items below:	
Cheese, tinned	6.25 lbs.
Sausage, tinned	9.37 lbs.
Sugar	3.12 lbs.
or (B) Fish, tinned	25.00 lbs.

5. Procurement.

a. By units and formations from distributing points serving the organization concerned. For U.S., French and Italian units the Daily Telegram will indicat strength of Italian Civilians and type of rations to be drawn. Notification of changes in labor strength should be given to the truckhead 24 hours in advance of the change.

b. By Army from appropriate Base installations supplemented as required

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

Tomato catsup or paste	3.12 lbs.
Macaroni	18.75 lbs.
Cheese	6.25 lbs.
Rice	12.50 lbs.
Dried Vegetables	9.37 lbs.

* Or other alimentary product at the rate of one pound of alimentary product (Except for Macaroni or noodles) for one pound of flour up to a maximum of 75 pounds of flour.

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or (B) Fish, tinned	25.00 lbs.

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b. By Army from appropriate Base installations supplemented as required by purchase from local resources, based on demands of Fifth Army units.

c. Appropriate instructions amplifying paragraphs a and b above for British troops to be published separately by this Headquarters.

6. Payment and Accounting.

a. Daily wage scales as indicated in Appendix "A" to Administrative Instructions No. 27 will be reduced by 7 lire (when dehydrated soup is issued) or 9 lire (when fresh meat is issued) per person per day for Italian Menu #2, and 30 lir per person per day when Italian Menu #1 is authorized and issued. Free distribution of food will not be made.

b. U.S. Units - Information concerning amount of pay reduction will be shown under "Remarks" column on the payroll (Form 1013-D). Each payroll will carry a heading stating that value of food furnished is shown opposite the name of worker and that value has been dropped from balance due. The total amount of reduction fo

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the pay period covered in the payroll will be consolidated in one amount, prefixed by the letter F. e.g. F - 14 lire (For 2 days on #2 Menu, dehydrated soup). This amount will be dropped from the gross amount due and will not be treated as a voucher collection. Contractors employed directly by Fifth Army organizations will be required to reduce the pay of each laborer by the value of the ration furnished. Contractors will be required to decrease amounts invoiced by value of food furnished by the government for serving to contractors' employees. The net amount paid will be considered as the amount obligated against the suballotment advice issued to the various agencies on W.D. Form No. 46.

c. Other Allied Units - As prescribed in pertinent finance regulations. Instructions to British troops to be published separately by this Headquarters.

7. Rescissions - Section II, Administrative Instructions No. 22, this Headquarters, dated 25 December 1943 is rescinded. Specific authorizations to draw rations for civilian labor, in conformance with Administrative Instructions No. 22, are cancelled.

CLARK
Cmdg

OFFICIAL:

TATE
G-4

DISTRIBUTION:
"R"
Plus
10 - G-4, AFHQ
5 - AFHQ Adv. Adm. Ech.
3 - CG, MAAF
1 - CG, 12th ASC
1 - 57 Area (Br)
1 - Dir. Gen., Mil. Ry. Serv.
15 - British Increment (Q Branch)

Minus
ABS
EBS
MBS
IBS

1 - West Italy Area, 12th AF Eng Comd (Prov)
1 - FOWIT
50 - G-4, Fifth Army
1 - Joint Rearmament Committee, NATOUSA
3 - 12th AFSC
1 - 94 Sub Area (Br)

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

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Minus
ABS
EBS
MBS
IBS

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These instructions apply to all Allied Troops of Fifth Army.

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HEADQUARTERS FIFTH ARMY
A.P.O. #464, U. S. Army

EHR/RHT/thp
5 February 1944

ADMINISTRATIVE INSTRUCTIONS NO. 27

FIFTH ARMY CIVILIAN EMPLOYMENT POLICY AND WAGE SCALE

1. General. - The following instructions relative to employment of civilian labor are effective immediately for all components of Fifth Army. No exceptions from these provisions are authorized without prior approval of the Commanding General, Fifth Army. Section II, Administrative Instructions No. 9, 1 September 1943, "Procurement Information and Price Control Lists" is rescinded.

2. Labor Procurement. - Civilian labor will normally be procured through the nearest Civilian Labor Office or Civil Affairs Officer, AMG for all Fifth Army formations and units. In any locality where the AMG/ACC is operating, procurement of labor will be coordinated with that agency. Normal methods of hiring and fiscal procedure applicable to the Allied Force concerned will be followed in all cases.

3. Wages and Hours.

a. All labor will be engaged at or below the minimum rate of pay listed in Appendix "A" attached and will be paid at this rate for at least seven days. During this period they will be trade tested and thereafter receive a rate of pay, commensurate with their skill and ability, within the limits listed in Appendix A.

b. Rates of pay for classifications not listed in Appendix "A" will be estimated from nearest similar classification; approval of a wage rate so established will be requested from the Commanding General, Fifth Army.

(1) For female rates where not specified, 15% will be deducted from the male rate in the same classification.

c. The rates of pay herein established will apply to a day of 8 working hours exclusive of meal times or time required to travel to and from the job. Overtime will be paid for all time over 8 hours worked in one day, at the rate of one and one half times the regular rate.

(1) Overtime rates may be paid in any locality for Sunday work only when the employee has worked 7 consecutive days. The daily rates of pay may be in-

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from these provisions are authorized without prior approval of the Commanding General, Fifth Army. Section II, Administrative Instructions No. 9, 1 September 1943, "Procurement Information and Price Control Lists" is rescinded.

2. Labor Procurement. - Civilian labor will normally be procured through the nearest Civilian Labor Office or Civil Affairs Officer, AMG for all Fifth Army formations and units. In any locality where the AMG/ACC is operating, procurement of labor will be coordinated with that agency. Normal methods of hiring and fiscal procedure applicable to the Allied Force concerned will be followed in all cases.

3. Wages and Hours.

a. All labor will be engaged at or below the minimum rate of pay listed in Appendix "A" attached and will be paid at this rate for at least seven days. During this period they will be trade tested and thereafter receive a rate of pay, commensurate with their skill and ability, within the limits listed in Appendix A.

b. Rates of pay for classifications not listed in Appendix "A" will be estimated from nearest similar classification; approval of a wage rate so established will be requested from the Commanding General, Fifth Army.

(1) For female rates where not specified, 15% will be deducted from the male rate in the same classification.

c. The rates of pay herein established will apply to a day of 8 working hours exclusive of meal times or time required to travel to and from the job. Overtime will be paid for all time over 8 hours worked in one day, at the rate of one and one half times the regular rate.

(1) Overtime rates may be paid in any locality for Sunday work only when the employee has worked 7 consecutive days. The daily rates of pay may be increased if necessary by not more than 10 Lire for all classes of labor engaged on night shifts; overtime, if applicable, will be paid on this increased rate.

(2) There will be no extra pay for work performed on feast days or holidays.

(3) Overtime will not be paid to hotel, mess or restaurant employees

4. Restrictions.

a. No employee will be permitted to change from one allied employing agency to another without the agreement of the respective employing officers.

b. When civilian organizations such as railroads, public utilities, etc, are taken over by the military, wage rates shall remain unchanged until further notice.

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c. Civilian contractors engaged by components of the Fifth Army will observe the provisions of this instruction including the wage scales listed in Appendix "A". Contractors will be bound by the labor laws of the areas in which they operate and are not exempt by reason of being employed on military projects. Contractors will be responsible for making such employee pay roll deductions and benefit payments as may be directed or authorized by law. The Armed Forces will make no such deductions.

5. Feeding and Clothing of Civilian Labor. - Separate administrative instructions will cover this subject.

CLARK
Craig

OFFICIAL:

TATE
G-4

Appendix "A" Attached.

DISTRIBUTION:
"R"
Plus
10 - G-4, AFHQ
5 - AFHQ Adv. Adm. Ech.
3 - CG, MAAF
1 - CG, 12th ASC
1 - 57 Area (Br)
1 - Dir. Gen., Mil. Ry. Serv.
15 - British Increment (Q Branch)
1 - West Italy Area, 12th AF Eng Comd (Prov)
1 - FOUR
50 - G-4, Fifth Army
1 - Joint Rearmament Committee, MATOUSA
3 - III ASAC
1 - 94 Sub Area (Br)

Minus
AFS
EBS
MBS
IBS

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

OFFICIAL:

TATE
G-4

Appendix "A" Attached.

DISTRIBUTION:
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5 - AFHQ Adv. Adm. Ech.
3 - CG, NAAF
1 - CG, 12th AGC
1 - 57 Area (Br)
1 - Dir. Gen., Mil. Ry. Serv.
15 - British Increment(Q Branch)
1 - West Italy Area, 12th AF Eng Cond (Prov)
1 - FOUT
50 - G-4, Fifth Army
1 - Joint Rearmament Committee, MATOUSA
3 - III ASAC
1 - 94 Sub Area (Br)

Minus
ADS
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IBS

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HEADQUARTERS FIFTH ARMY
A.P.O. 464, U. S. Army

Appendix "A" to Administrative Instructions No. 27, 5 February 1944

RATES OF PAY - CIVILIAN LABOR

CLERICAL & SUPERVISORY GRADES

	Lire. Min.	Max.	
Accountant	2100	4500	per month
Asst. Purchasing Agent	3000	5500	" "
Bookkeeper (Male)	2000	4000	" "
Bookkeeper (Female)	1800	3500	" "
Clerk, Office, Male	70	110	" day
Clerk, Office, Female	60	90	" "
Cashier, Chief (Male)	2500	3500	" month
Draughtsman	2000	4000	" "
Draughtsman, Chief	2500	4500	" "
Interpreter, Oral & Translating	70	120	" day
Professional man (doctor, lawyer, dentist, construction, civil, mechanical, engineer)	4000	8000	" month
Typist (Male)	70	110	" day
Typist (Female)	60	90	" day
Typist, Shorthand (stenog) English speaking	80	120	" "
Telephone Operator, English Speaking (Female)	70	110	" "
Telephone Operator, Non-English Speaking (Female)	55	75	" "
Shop Superintendent	3000	5000	" month
Warehouseman Superintendent	2500	4000	" "

CLASSIFIED ARTISAN AND SKILLED GRADES

Foreman.(artisan and skilled labor) 10 lire per day more than highest paid man under his supervision.

Chief Foreman. (artisan and skilled labour) 10 lire per day more than highest paid foreman under his supervision.

	Min.	Max.	
Apprentices, all grades	30	60	per day
Artisans Mate (helper)	70	90	
Armature winder	90	130	
Armourer	90	130	
Asphalt layer	80	105	
Blacksmith	80	105	
Battery worker	80	105	
Baker	80	105	
Boilermaker	80	105	
Bookbinder	85	110	
Bookbinders Asst.			

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

Asst. Purchasing Agent	2100	4500	per month
Bookkeeper (Male)	3000	5500	" "
Bookkeeper (Female)	2000	4000	" "
Clerk, Office, Male	1800	3500	" "
Clerk, Office, Female	70	110	" day
Cashier, Chief (Male)	60	90	" "
Draughtsman	2500	3500	" month
Draughtsman, Chief	2000	4000	" "
Interpreter, Oral & Translating	2500	4500	" "
Professional man (doctor, lawyer, dentist, construction, civil, mechanical, engineer)	70	120	" day
Typist (Male)	4000	3000	" month
Typist (Female)	70	110	" day
Typist, Shorthand (stenog) English speaking	60	90	" day
Telephone Operator, English Speaking (Female)	80	120	" "
Telephone Operator, Non-English Speaking (Female)	70	110	" "
Shop Superintendent	55	75	" "
Warehouseman Superintendent	3000	5000	" month
	2500	4000	" "

CLASSIFIED ARTISAN AND SKILLED GRADES

Foreman.(artisan and skilled labor) 10 lire per day more than highest paid man under his supervision.

Chief Foreman. (artisan and skilled labour) 10 lire per day more than highest paid foreman under his supervision.

	Min.	Max.	
Apprentices, all grades	30	60	per day
Artisans Mate (helper)	70	90	
Armature winder	90	130	
Armourer	90	130	
Asphalt layer	80	105	
Blacksmith	80	105	
Battery worker	80	105	
Baker	80	105	
Boilermaker	80	105	
Bookbinder	85	110	
Bookbinders Asst.	70	85	
Bricklayer	80	105	
Brakeman	80	105	
Butcher	70	95	
Boilerman	80	105	
Carpenter	80	105	
Caulker	80	105	
Clothing Classifier	55	65	
Checker	65	80	
Coach Builder	80	105	
Cobbler	80	110	
Coppersmith	80	105	
Compositor	90	110	
Compositor's Asst.	80	90	
Compositor, Chief	100	120	

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	Min.	Max.
Chauffeur or Mechanic	80	100
Chainman	80	100
Concreter	70	105
Cooper	80	105
Chauffeur or Driver	70	90
Core Maker (foundry)	80	105
Drier, m/c & Prepareres (Male)	70	90
Drier, m/c & Prepareres (Female)	50	60
Driver, Truck	80	100
Driver, Mech, Truck	85	105
Driver, Crane or Winch	80	100
Driver, M.R., Electric	80	100
Driver, Engine, Loco	80	100
Driver, Steam Roller or I.C. Stationary	80	100
Electricians	85	110
Farrier	80	100
Fireman Oil Fuel	80	105
Fireman, Coal, Steam Loco	80	105
Fitter or Mechanic, Automobile	85	110
Foundryman	70	90
Glazier	75	95
Greaser	70	90
Grinder, Precision	90	120
Hammerman or Striker	70	90
Joiner	85	110
Lineman	90	120
Linotype Operator	90	130
Lighthouse Keeper		80
Markers and Sorters (Female)	55	70
Messenger, Eng Speaking (under 17)		50
Messenger, Eng Speaking (over 17)	60	70
Laboratory & Dispensary Asst. (Male)	90	110
Laboratory & Dispensary Asst. (Female)	80	100
Lithographer	90	130
Lithographer's Asst.	80	90
Mechinist	80	110
Masons	80	110
Mechanics, Instrument, Sewing Mach, Typewriter, Wireless	90	110
Mechanic's Asst.	80	90
Moulders	80	105
Machine Minders	70	90
Machine Minders Asst.	50	70
Painter, Varnisher, Signwriter	85	105
Pavement Layer	80	100
Parquet Layer	80	100
Pattern Maker	80	105
Pointsman	60	80
	90	110

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Driver, Engine, Loco	80	100
Driver, Steam Roller or I.C. Stationary	85	110
Electricians	80	100
Farrier	80	105
Fireman Oil Fuel	80	105
Fireman, Coal, Steam Loco	85	110
Fitter or Mechanic, Automobile	70	90
Foundryman	75	95
Glazier	70	90
Greaser	90	120
Grinder, Precision	70	90
Hammerman or Striker	85	110
Joiner	90	120
Lineman	90	130
Linotype Operator		80
Lighthouse Keeper	55	70
Markers and Sorters (Female)		50
Messenger, Eng Speaking (under 17)	60	70
Messenger, Eng Speaking (over 17)	90	110
Laboratory & Dispensary Asst. (Male)	80	100
Laboratory & Dispensary Asst. (Female)	90	130
Lithographer	80	90
Lithographer's Asst.	80	110
Mechinist	80	110
Masons	90	110
Mechanics, Instrument, Sewing Mach, Typewriter, Wireless	80	90
Mechanic's Asst.	80	105
Moulders	70	90
Machine Minders	50	70
Machine Minders Asst.	85	105
Painter, Varnisher, Signwriter	80	100
Pavement Layer	80	100
Parquet Layer	80	105
Pattern Maker	60	80
Pointsman	90	110
Plater (Printing)	80	105
Plumber	85	105
Plasterer	90	120
Printer	70	90
Platelayer, Railroad	75	95
Permanent Way Inspector	80	100
Quarryman	85	105
Rigger	70	90
Rivet Heater	85	105
Riveter	70	90
Riveter, Holder Up	60	70
Roadworker	80	110
Road Supervisor	75	95
Saddler	80	100
Sawyer	80	100
Saw Repairer & Sharpener		

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	Min.	Max.
Sheet Metal worker	80	105
Smelterer (Ore Smelting)	80	105
Shunter	70	90
Slater	70	90
Stone hand cutter	85	105
Stone hand cutter (Asst)	80	100
Stevedore	80	85
Stevedore Head	90	100
Stevedore, Coaling Ore	90	95
Tent Mender	70	90
Tinsmith	80	105
Toolmaker	80	110
Tailor	80	110
Tailoress	60	80
Trimmer Coal	70	90
Turner	80	110
Time Keeper	70	120
Track Walker (Railroad)	70	90
Tile Layer	80	100
Vulcanizer	80	105
Welder	85	105
Watchman	60	70
Warehouseman or Storekeeper	80	120
Washer Machine (Male)	70	90
Washer Machine (Female)	50	60
Washer Hand (Female)	50	60
Storewoman	55	70
Wheelwright	80	100
Wireless Operator (Sender & Receiver)	3000	4500 (month)

UNCLASSIFIED GRADES

Foreman or ganger unskilled 10 lire per day more than rate paid to his men.
Chief Foreman, or Chief Ganger 10 lire per day more than rate paid to Ganger or Foreman.

Unskilled labor (Male)	65 lire per day
Unskilled labor (Female)	50 lire per day
Boys up to 17	35 lire per day

HOTEL GRADES

		Monthly Min.	Max.
Head Waiter	(Food to be furnished)	2500	3500
Waiter		1300	2500
Asst. Waiters		1200	1700
Head Cook		2000	3500
Cook		1800	2700
Asst. Cook		900	1200
Dishwasher		700	1000
Housekeeper (Female)		1500	2500
Chambermaid		1200	1800

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Tailor	80	110
Tailoress	60	80
Trimmer Coal	70	90
Turner	80	110
Time Keeper	70	120
Track Walker (Railroad)	70	90
Tile Layer	80	100
Vulcanizer	80	105
Welder	85	105
Watchman	60	70
Warehouseman or Storekeeper	80	120
Washer Machine (Male)	70	90
Washer Machine (Female)	50	60
Washer Hand (Female)	50	60
Storewoman	55	70
Wheelwright	80	100
Wireless Operator (Sender & Receiver)	3000	4500 (month)

UNCLASSIFIED GRADES

Foreman or ganger unskilled 10 lire per day more than rate paid to his men.
Chief Foreman, or Chief Ganger 10 lire per day more than rate paid to Ganger or Foreman.

Unskilled labor (Male)	65 lire per day
Unskilled labor (Female)	50 lire per day
Boys up to 17	35 lire per day

HOTEL GRADES

		Monthly Min.	Max.
Head Waiter	(Food to be furnished)	2500	3500
Waiter		1300	2500
Asst. Waiters		1200	1700
Head Cook		2000	3500
Cook		1300	2700
Asst. Cook		900	1200
Dishwasher		700	1000
Housekeeper (Female)		1500	2500
Charbermaid		1200	1800
Porter		1500	2000
Linen Keeper		1000	1500
Ironing Women		700	1100
Washer (Male)		1100	1600
Washer (Female)		600	900
Elevator Operator		800	1200
Handyman		1000	1500
Skilled Labor (permanent)		1400	2100
Waitresses		1300	1900
Cashiers (Female)		900	1500

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

MESSES

		Min.	Max.
Head Cook	(Food to be furnished)	1800	3500
Cook		1800	2700
Asst. Cook		900	1200
Head Waiter		1800	3500
Waiter		1800	2500
Asst. Waiter		1200	1700
Dish Washer		700	1000
Handyman		1000	1500
Orderly (British Mess)		1500	2100

MARINE GRADES

		Daily Min.	Max.
Able Seaman		70	80
Boatsand		60	70
Coxswain (helmsman)		80	100
Diver	(plus 35 L. per hour under water)		110
Draughtsman (Marine)		2000	4000 (Month)
Rope Splicer		80	100
Salvage Hand		70	90
Salvage Hand (Master)		95	110
Sailmaker		85	110
Tugboat Engineer		90	120
Tugboat Master		100	130
Shipwright		80	100
Stoker & Fireman		80	100

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

Orderly (British Mess)		1500	2100

MARINE GRADES

		Daily Min.	Max.
Able Seaman		70	80
Boatband		60	70
Coxswain (helmsman)		80	100
Diver	(plus 35 L. per hour under water)		110
Draughtsman (Marine)		2000	4000(Month)
Rope Splicer		80	100
Salvage Hand		70	90
Salvage Hand (Master)		95	110
Sailmaker		85	110
Tugboat Engineer		90	120
Tugboat Master		100	130
Shipwright		80	100
Stoker & Fireman		80	100

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

This change applies to all
Allied Troops of Fifth Army.

CONFIDENTIAL

HEADQUARTERS FIFTH ARMY
A.P.O. #464, U. S. Army

JHK/RHT/whp
20 April 1944

Change No. 1 to
ADMINISTRATIVE INSTRUCTIONS NO. 27

FIFTH ARMY CIVILIAN EMPLOYMENT POLICY AND WAGE SCALE

Appendix "A" to Administrative Instructions No. 27, dated 20 April 1944, "Rates of Pay - Civilian Labor," herewith, supersedes and rescinds Appendix "A" to Administrative Instructions No. 27, dated 5 February 1944 and Ammendment No. 1 thereto.

CLARK
Cmdg

OFFICIAL:

TATE
G-4

DISTRIBUTION:
"R" Plus
3 - 12th AFSC
10- G-4, AFHQ
5 - Adm. Ech., AAI
3 - CG, MAAF
1 - CG, 12th ASC
1 - Dir. Gen., Mil. Ry. Serv.
1 - Engr, V Aviation Engr Area
1 - J.R.C., NATOUSA
1 - FOWIT
2 - CG, 7th Army
2 - GOC, 8th Army (Br)
1 - 332d Serv Gp
12- AMG, Fifth Army
50- G-4, Fifth Army
1 - 3 District (Br)
Minus
ABS
EBS
MBS
IBS

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

Appendix "A" to Administrative Instructions No. 27, dated 20 April 1944, "Rates of Pay - Civilian Labor," herewith, supersedes and rescinds Appendix "A" to Administrative Instructions No. 27, dated 5 February 1944 and Ammendment No. 1 thereto.

CLARK
Cmdg

OFFICIAL:

TATE
G-4

DISTRIBUTION:
"R" Plus
3 - 12th AFSC
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5 - Adm. Ech., AAI
3 - CG, MAAF
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1 - Engr, V Aviation Engr Area
1 - J.R.C., NATOUSA
1 - FOWIT
2 - CG, 7th Army
2 - GOC, 8th Army (Br)
1 - 332d Serv Gp
12- AMG, Fifth Army
50- G-4, Fifth Army
1 - 3 District (Br)
Minus
ABS
EBS
MBS
IBS

6-21-45

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Encl. 5

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

HEADQUARTERS FIFTH ARMY
A.P.O. #464, U. S. Army

JHK/RHT/wbp
20 April 1944

Appendix "A" to Administrative Instructions No. 27

RATES OF PAY - CIVILIAN LABOR

CLERICAL & SUPERVISORY GRADES

	Lire Min.	Max.	
Accountant	2100	4500	per month
Assistant Purchasing Agent	3000	5500	" "
Assistant to Port Labour Officer	100	150	per day
Band Leader	3000	5000	per month
Bookkeeper (Male)	2000	4000	" "
Bookkeepr (Female)	1800	3500	" "
Cinema Manager	80	120	per day
Chief Clerk, R.N. Labour Office	2100	4000	per month plus overtime
Clerk, Office, Male	70	110	per day
Clerk, Office, Female	60	90	" "
Cashier, Chief (Male)	2500	3500	per month
Draughtsman	2000	4000	" "
Draughtsman, Chief	2500	4500	" "
Electrical Engineer	4000	9600	" "
Interpreter, Oral & Translating	70	120	per day
Professional Man (doctor, lawyer, dentist, construction, civil, mechanical engineer)	4000	9600	per month
Supervisor of Labour (Navy)		150	per day
Typist (Male)	70	110	" "
Typist (Female)	60	90	" "
Typist, Shorthand (Stenog.) English speaking (Male or Female)	80	120	" "
Telephone Operator, English Speaking (Female)	70	110	" "
Telephone Operator, Non-English Speaking (Female)	55	75	" "
Shop Superintendent	3000	5000	per month
Warehouseman Superintendent	2500	4000	" "

CLASSIFIED ARTISAN & SKILLED GRADES

Foreman: (artisan and skilled labour) 10 lire per day more than highest paid man under his supervision.

Chief Foreman: (artisan and skilled labour) 10 lire per day more than highest paid foreman under his supervision.

	Min.	Max.	
Ammunition Mechanic	80	120	per day
		70	

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

Assistant Purchasing Agent	3000	5500	" "
Assistant to Port Labour Officer	100	150	per day
Band Leader	3000	5000	per month
Bookkeeper (Male)	2000	4000	" "
Bookkeepr (Female)	1800	3500	" "
Cinema Manager	80	120	per day
Chief Clerk, R.N. Labour Office	2100	4000	per month plus overtime
Clerk, Office, Male	70	110	per day
Clerk, Office, Female	60	90	" "
Cashier, Chief (Male)	2500	3500	per month
Draughtsman	2000	4000	" "
Draughtsman, Chief	2500	4500	" "
Electrical Engineer	4000	9600	" "
Interpreter, Oral & Translating	70	120	per day
Professional Man (doctor, lawyer, dentist, construction, civil, mechanical engineer)	4000	9600	per month
Supervisor of Labour (Navy)		150	per day
Typist (Male)	70	110	" "
Typist (Female)	60	90	" "
Typist, Shorthand (Stenog.) English speaking (Male or Female)	80	120	" "
Telephone Operator, English Speaking (Female)	70	110	" "
Telephone Operator, Non-English Speaking (Female)	55	75	" "
Shop Superintendent	3000	5000	per month
Warehouseman Superintendent	2500	4000	" "

CLASSIFIED ARTISAN & SKILLED GRADES

Foreman: (artisan and skilled labour) 10 lire per day more than highest paid man under his supervision.

Chief Foreman: (artisan and skilled labour) 10 lire per day more than highest paid foreman under his supervision.

	Min.	Max.	
Ammunition Mechanic	80	120	per day
Anti-Malarial Labourers (Male)		70	
Anti-Malarial Labourers (Female)		55	
Apprentices, all grades	30	60	
Artisan's Mate (helper)	70	90	
Armature Winder	90	150	
Armourer	90	130	
Asphalt Layer	80	105	
Barber	70	100	
Blacksmith	80	110	
Battery Worker	80	105	
Baker	80	105	
Boilermaker	80	110	
Bookbinder	85	110	
Bookbinder's Assistant	70	85	

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	Min.	Max.
Boot Machinist	80	105 per day
Boot Machine Operator Mechanic	90	110
Bricklayer	80	105
Brakeman	80	105
Butcher	70	95
Boilerman	80	105
Caretaker (Cemetery)	80	120
Carpenter	80	105
Caulker	80	105
Closers (Female) (Boot repairing)	60	85
Clothing Classifier	55	65
Checker	65	80
Coach Builder	80	105
Cobbler	80	110
Coppersmith	80	120
Compositor	90	110
Compositor's Assistant	80	90
Compositor, Chief	100	120
Chainman	80	100
Concreter	70	105
Cooper	80	105
Chauffeur Mechanic	80	110
Chauffeur or Driver	70	90
Chauffeur or Mechanic	80	100
Cutters (Male)	75	110
Cutters (Female)	70	90
Core Maker (foundry)	80	105
Dental Mechanics	90	110
Drier, m/c and Preparers (Male)	70	90
Drier, m/c and Preparers (Female)	50	60
Driver, Truck	80	100
Driver, Truck and Trailer	85	120
Driver, Mechanic, Truck	85	105
Driver, Crane or Winch	80	100
Driver, M.R., Electric	80	100
Driver, Engine, Loco.	80	110
Driver, Steam Roller or I.C. Stationary	80	100
Electricians	85	120
Elevator repairer mechanic	85	120
Farrier	80	100
Fireman Oil Fuel	80	105
Fireman, Coal, Steam Loco.	80	105
Fitter or Mechanic, Automobile	90	120
Fitter Aero (RAF)	100	130
Foundryman	70	100
Glazier	75	100
Greaser	70	90
Grinder, Precision	90	120
Grooms	65	75
Gunfitter	80	120
Hammerman or Striker	70	90

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

Coppersmith	80	120
Compositor	90	110
Compositor's Assistant	80	90
Compositor, Chief	100	120
Chainman	80	100
Concreter	70	105
Cooper	80	105
Chauffeur Mechanic	80	110
Chauffeur or Driver	70	90
Chauffeur or Mechanic	80	100
Cutters (Male)	75	110
Cutters (Female)	70	90
Core Maker (foundry)	80	105
Dental Mechanics	90	110
Drier, m/c and Preparers (Male)	70	90
Drier, m/c and Preparers (Female)	50	60
Driver, Truck	80	100
Driver, Truck and Trailer	85	120
Driver, Mechanic, Truck	85	105
Driver, Crane or Winch	80	100
Driver, M.R., Electric	80	100
Driver, Engine, Loco.	80	110
Driver, Steam Roller or I.C. Stationary	80	100
Electricians	85	120
Elevator repairer mechanic	85	120
Farrier	80	100
Fireman Oil Fuel	80	105
Fireman, Coal, Steam Loco.	80	105
Fitter or Mechanic, Automobile	90	120
Fitter Aero (RAF)	100	130
Foundryman	70	100
Glazier	75	100
Greaser	70	90
Grinder, Precision	90	120
Grooms	65	75
Gunfitter	80	120
Hammerman or Striker	70	90
Joiner	85	110
Lineman	90	120
Linotype Operator	90	130
Lighthouse Keeper		80
Markers & Sorters (Female)	55	70
Messenger, English speaking (under 17)		50
Messenger, English speaking (over 17)	60	70
Laboratory & Dispensary Assistant (Male)	90	110
Laboratory & Dispensary Assistant (Female)	80	100
Lithographer	90	130
Lithographer's Assistant	80	90
Machinist	80	120
Masons	80	110

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

	Min.	Max.	
Mechanics, Instrument, Sewing Machine, Typewriter, Wireless	90	120	per day
Mechanics, Marine Engineer (RN)		120	
Mechanics, Marine Instrument (RN)		120	
Mechanic, MT	90	120	
Mechanic's Assistant	80	90	
Moulders	80	120	
Machine Minders	70	90	
Machine Minder's Assistant	50	70	
Occupational Therapist	80	100	
Motion Picture Operator	80	120	
Painter, Varnisher, Signwriter	85	105	
Pavement Layer	80	100	
Parquet Layer	80	100	
Pattern Maker	80	110	
Pier Supervisor	95	125	
Pointsman	60	80	
Plater (Printing)	90	110	
Plumber	80	105	
Plasterer	85	105	
Printer	90	120	
Platelayer, Railroad	70	90	
Permanent Way Inspector	75	95	
Pressers, Machine (Male)	80	110*	
Pressers, Machine (Female)	60	90*	
* Hoffman Steam Press			
Quarryman	80	100	
Rigger	85	105	
Rivet Heater	70	90	
Riveter	85	105	
Rivetter, Holder up	70	90	
Roadworker	60	70	
Road Supervisor	80	110	
Saddler	75	100	
Sawyer	80	100	
Saw Repairer & Sharpener	80	100	
Sheet Metal Worker	80	120	
Shoe Maker (Special Boot & Surgical Work)	90	110	
Smelterer (Ore smelting)	80	105	
Shunter	70	90	
Slater	70	90	
Stone hand cutter	85	105	
Stone hand cutter (Assistant)	80	100	
Stevedore	80	85	
Stevedore, Head	90	100	
Stevedore, Coaling, Ore	90	95	
Tailors (With Machine)	80	110	
Tailors (Without Machine)	60	90	
Tailoresses (With Machine)	60	80	
Tailoresses (Without Machine)	45	70	
Tent mender	70	90	

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

Pattern Maker	80	110
Pier Supervisor	95	125
Pointsman	60	80
Plater (Printing)	90	110
Plumber	80	105
Plasterer	65	105
Printer	90	120
Platelayer, Railroad	70	90
Permanent Way Inspector	75	95
Pressers, Machine (Male)	80	110*
Pressers, Machine (Female)	60	90*

* Hoffman Steam Press

Quarryman	80	100
Rigger	85	105
Rivet Heater	70	90
Riveter	85	105
Riveter, Holder up	70	90
Roadworker	60	70
Road Supervisor	80	110
Saddler	75	100
Sawyer	80	100
Saw Repairer & Sharpener	80	100
Sheet Metal Worker	80	120
Shoe Maker (Special Boot & Surgical Work)	90	110
Smelterer (Ore smelting)	80	105
Shunter	70	90
Slater	70	90
Stone hand cutter	85	105
Stone hand cutter (Assistant)	80	100
Stevedore	80	85
Stevedore, Head	90	100
Stevedore, Coaling, Ore	90	95
Tailors (With Machine)	80	110
Tailors (Without Machine)	60	90
Tailoresses (With Machine)	60	80
Tailoresses (Without Machine)	45	70
Tent mender	70	90
Tinsmith	80	105
Toolmaker	80	110
Trimmer Coal	70	90
Turner	80	110
Time Keeper	70	120
Track Walker (Railroad)	70	90
Tile Layer	80	100
Truck Master	100	120
Truck Master's assistant	90	110
Upholsterer	80	105
Vulcaniser	80	105

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

	Min.	Max.
Welder	85	120 per day
Watchman	60	70
Warehouseman or Storekeeper	80	120
Washer Machine (Male)	70	90
Washer Machine (Female)	50	60
Washer Hand (Female)	50	60
Storewoman	55	70
Wheelwright	80	100
Wireless Operator (Sender & Receiver)	3000	4500 per month

UNCLASSIFIED GRADES

Foreman or Ganger, unskilled: 10 Lire per day more than rate paid to his men.

Chief Foreman, or Chief Ganger: 10 Lire per day more than rate paid to Ganger or Foreman.

	Min.	Max.
Unskilled Labour (Male)		65 per day*
Unskilled Labour (Female)		50
Boys up to 17		35

*Labourers on main drains 10 Lire per day extra whilst actually employed on drains.

HOTEL GRADES (Food to be furnished)

	Min.	Max.
Hotel Manager	3000	6500 per month
Waiter	1800	2500
Head Waiter	2500	3500
Assistant Waiters	1200	1700
Head Cook	2000	3500
Cook	1800	2700
Assistant Cook	900	1200
Dishwasher	700	1000
Housekeeper (Female)	1500	2500
Chambermaid	1200	1800
Porter	1500	2000
Linen Keeper	1000	1500
Ironing Women	700	1100
Washer (Male)	1100	1600
Washer (Female)	600	900
Elevator Operator	800	1200
Handyman	1000	1500
Skilled Labour (permanent)	1400	2100
Waitresses	1300	1900
Cashiers (Female)	900	1500

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

Foreman or Ganger, unskilled: 10 Lire per day more than rate paid to his men.

Chief Foreman, or Chief Ganger: 10 Lire per day more than rate paid to Ganger or Foreman.

	Min.	Max.	
Unskilled Labour (Male)		65	per day*
Unskilled Labour (Female)		50	
Boys up to 17		35	

*Labourers on main drains 10 Lire per day extra whilst actually employed on drains.

HOTEL GRADES (Food to be furnished)

	Min.	Max.	
Hotel Manager	3000	6500	per month
Waiter	1800	2500	
Head Waiter	2500	3500	
Assistant Waiters	1200	1700	
Head Cook	2000	3500	
Cook	1800	2700	
Assistant Cook	900	1200	
Dishwasher	700	1000	
Housekeeper (Female)	1500	2500	
Chambermaid	1200	1800	
Porter	1500	2000	
Linen Keeper	1000	1500	
Ironing Women	700	1100	
Washer (Male)	1100	1600	
Washer (Female)	600	900	
Elevator Operator	800	1200	
Handyman	1000	1500	
Skilled Labour (permanent)	1400	2100	
Waitresses	1300	1900	
Cashiers (Female)	900	1500	

MESSES (Food to be furnished)

	Min.	Max.	
Head Cook	1800	3500	per month
Cook	1800	2700	
Assistant Cook	1000	1200	
Head Waiter	1800	3500	
Waiter	1800	2500	
Assistant Waiter	1200	1700	
Dish Washer	700	1000	
Handyman	1000	1500	
Orderly (British Mess)	1500	2100	

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

MARINE GRADES

	Min.	Max.
Able Seaman	70	80 per day
Assistant Bo'sun (Navy)		140
Boathand	60	70
Cooks and Stewards aboard ship	70	90
Coxswain (Helmsman)	80	100
Diver (Plus 35 lire per hr. under water)		110
Draughtsman (Marine)	2000	4000 per month
Linesman (Navy) (5 lire per hour extra whilst tending diver)		80 per day
Pumpman (Navy)		80
Rope Splicer	80	100
Salvage Hand	70	90
Salvage Hand (Master)	95	110
Sailmaker	85	110
Security Patrol Officer & Deputy Harbour Master		150
Tugboat Engineer	90	120
Tugboat Master	100	130
Shipwright	80	100
Stoker & Fireman	80	100

	Ships of 300 tons or more	Ships under 300 tons
Captain	L 180 per day	L 150 per day
1st Officer	150	110
1st Engineer	150	110
2nd Engineer	110	110
3rd Engineer	110	-
Bo'sun	110	110
Cook	90	80
Seaman	80	80

NOTES: 1. For female rates where not specified, 15% shall be deducted from the male rate in the same classification.

2. The daily rates of pay may be increased if necessary not more than 10 Lire for all classes of labour engaged on night shifts and overtime, if applicable, will be paid on this increased rate.

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

Salvage Hand	70	90
Salvage Hand (Master)	95	110
Sailmaker	85	110
Security Patrol Officer & Deputy Harbour Master		150
Tugboat Engineer	90	120
Tugboat Master	100	130
Shipwright	80	100
Stoker & Fireman	80	100

	Ships of 300 tons or more	Ships under 300 tons
Captain	L 180 per day	L 150 per day
1st Officer	150	110
1st Engineer	150	110
2nd Engineer	110	110
3rd Engineer	110	-
Bo'sun	110	110
Cook	90	80
Seaman	80	80

NOTES: 1. For female rates where not specified, 15% shall be deducted from the male rate in the same classification.

2. The daily rates of pay may be increased if necessary not more than 10 Lire for all classes of labour engaged on night shifts and overtime, if applicable, will be paid on this increased rate.

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

PW.U — Econ. Sec 060

2 MAY Recd

8519 R.Adv

HQ AAI,
C.M.F.

2131/1/Q2.

21 May 44.

Lt Col Pepper 186

for distribution

24/5

Subject:- Electricity Control.

2 District (15)
3 District (15)
CG., PBS. (15)

Reference AFHQ Adv Adm Ech 59/8/Q2 dated 4 Feb., 44, paragraph 2.

1. In the event of it becoming necessary to reduce the electricity load in any area, disconnections of consumers or reductions of the amount supplied to them will be made in accordance with the following priorities:-

Priority I — Disconnections possible immediately without affecting the war effort.

Priority II — Disconnections possible, but undesirable in that they would possibly have an adverse effect on the war effort.

Priority III — Reductions possible but undesirable (i.e. putting machines on night shift to reduce peak loads).

Priority IV — Any reduction interfering with the war effort.

HEADQUARTERS
23 MAY 1944
A. C. C.

C. Major-General,
Chief Administrative Officer.

Copy to:-

CG., Fifth Army	(2)	ACC	(20)
Fifth Army (Br.Inc)	(2)	Local Resources Sec	(8)
Main Eighth Army	(2)	G4	
Rear Eighth Army	(2)	RE (together with copy of 59/8/Q2 dated 4 Feb., 44)	(2)
5 Corps	(2)	Works	
FOWIT	(2)	"X"	
FOBALI	(2)	CSO L of C (together with copy of 59/8/Q2 dated 4 Feb.,44)	
MAAF (together with copy of HQ TAF 59/8/Q2 dated 4 Feb)		Mov	
HQ DAF		Tn(Br)	
HQ 214 Group RAF		Tn(US)	
Adv HQ 214 Group RAF		Postal	
AAFSC/MTO			

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

1. In the event of it becoming necessary to reduce the electricity load in any area, disconnections of consumers or reductions of the amount supplied to them will be made in accordance with the following priorities:-

Priority I Disconnections possible immediately without affecting the war effort.

Priority II Disconnections possible, but undesirable in that they would possibly have an adverse effect on the war effort.

Priority III Reductions possible but undesirable (i.e. putting machines on night shift to reduce peak loads).

Priority IV Any reduction interfering with the war effort.

HEADQUARTERS
23 MAG 1944
A. C. C.

(A. Major-General,
Chief Administrative Officer.

Copy to:-

OC., Fifth Army (2)
Fifth Army (Br.Inc) (2)
Main Eighth Army (2)
Rear Eighth Army (2)
5 Corps (2)
FOWIT (2)
FOMALI (2)
MAAF (together with copy of HQ TAF 59/8/Q2 dated 4 Feb)
HQ DAF
HQ 214 Group RAF
Adv HQ 214 Group RAF
AAFSC/MTO
DGRS
Vice Chairman Central Electrical Board (together with copy of 59/8/Q2 dated 4 Feb)
Chairman Electric Power Committee (with copy of 59/8/Q2 dated 4 Feb)
ACC (20)
Local Resources Sec (8)
G4
RE (together with copy of 59/8/Q2 dated 4 Feb., 44) (2)
Works
"X"
CSO L of C (together with copy of 59/8/Q2 dated 4 Feb.,44)
Mov
Tn(Br)
Tn(US)
Postal
ST
Ord
DDOS L of C (together with copy of 59/8/Q2 dated 4 Feb.,44)
REME
Labour (2)
EFI
ACC Liaison (together with copy of 59/8/Q2 dated 4 Feb.,44)
NLO (together with copy of 59/8/Q2 dated 4 Feb., 44)
War Diary (2)
File
Master

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23 May 880

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

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

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ENGINEER SERVICE
PENINSULAR BASE SECTION
A. P. O. 782

WTW/rhf

22 May 1944

SUBJECT: Materials, Minturno-Rome Transmission Line.

TO : Allied Control Commission, (P.W.B.U.), APO 394.
(Attn: Lt. Col. W. Lapper)

1. It is requested that the following materials be requisitioned for use in the rehabilitation of the Minturno-Rome Transmission Line:

6 Tons Pig Aluminum, 99.5% Pure.

14 Reels (1200 meters per reel) 9 mm., 21 Strand Galvanized Steel Guy Wire.

2. The required aluminum is on hand at the Alfa-Romeo Factory at Pomigliano and may be requisitioned through the Royal Air Force (British) through Royal Air Force (Italian).

3. The 14 reels of 9 mm. Galvanized Steel Guy Wire is the property of the Societa Meridionale di Elettricita and is located at Agnano II Sub-station.

DONALD S. BURNS,
Colonel, Corps of Engineers,
Engineer Officer.

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24 May 63

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

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HEADQUARTERS
AILIED CONTROL COMMISSION
Public Works and Utilities Sub-Commission
APO 394

AEP/mo

ACC/051/PWU

20 May 1944

Subject: Electricity Supply.

To : Minister of Public Works.
Att. Sig. Tizzano Director General.

1. Attached is a copy of a letter which has been handed to this Sub-Commission for attention.

2. It is thought that this is a matter which you would wish to settle with the parties concerned, but we shall be pleased to give any assistance which you may desire.

W.M. LAPPER,
Lt.-Colonel,
Chief El.& Adm.Div.

BEST COPY POSSIBLE

18 MAY 1944 PW&V Econ Section (Italy)

FRONTE NAZIONALE DI LIBERAZIONE

COMITATO DI CONCENTRAZIONE ED AZIONE ANTIFASCISTA DI SALERNO

SEZIONE COMUNALE DI SANSEVERINO ROTA

Prot. N. 25

Sanseverino Rota, li 16 maggio *1944*

Risposta a nota N. _____

del _____

OGGETTO

Energia elettrica motrice per irrigazione.

Alligati N. _____

ON. COMMISSIONE ALLEATA DI CONTROLLO
ON. MINISTERO AGRIC. E FOR.
A S.E. IL PREFETTO
SALERNO

Questo Comitato del Fronte Nazionale di Liberazione, nella to. nata del 28 aprile u.s., richiese l'intervento del Sig. Sindaco di questo Comune allo scopo di eliminare inconvenienti che si lamen= tano in dipendenza di alcune pretese della Società Elettrica della Campania.

La Società ha imposto agli utenti di energia elettrica moti ce, che per cause dipendenti dallo stato di guerra non ne hanno us fruito, il pagamento del consumo minimo garentito; ha soppresso il funzionamento di un suo ufficio di rappresentanza in questo Comun costringendo così i cittadini a portarsi a Salerno per il disbrig di ogni pratica; ed infine ha interrotto la fornitura di energia motrice agli agricoltori che la utilizzano per irrigazione.

Quest'ultimo, fra tutti, é l'inconveniente più grave perch giudica i prodotti agricoli del prossimo raccolto.

Risulta a questo Fronte Nazionale che in seguito all'inte to del Sindaco, all'uopo interessato, la Società ha dichiarato di pristinare l'erogazione dell'energia a condizione che l'irrigazio si esegua di notte. Gli agricoltori, con encomiabile comprensione, no disposti eseguire l'irrigazione nelle ore notturne, ma ciò nono stante, da parte della Società Elettrica, si creano nuove difficol Per eseguire il riattacco alla rete di distribuzione si tenta d porre agli agricoltori utenti il pagamento di contributi che o lano da un minimo di L.600 ad un massimo di L.20.000.=

Quest'ultima pretesa della Società si presta a interpre ni non certo benevoli; peraltro sarebbe deplorevole se la Socie. riuscisse nel tentativo di costringere gli utenti a pagare somme levanti che non potrebbero trovare alcuna giustificazione.

Siamo alla vigilia del raccolto granario e l'affluenza di qu sto prodotto ai "granai del popolo", almeno in questa zona, é subor= dinato al raccolto delle patate e del granturco. Se non si potran= no eseguire i lavori di irrigazione, con conseguente raccolta di quest'ultimi prodotti, certo si ridurrà l'afflusso del frumento ai "granai del popolo".

A tal proposito non posso tacere il grave malcontento che

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

SEZIONE COMUNALE DI SANSEVERINO ROTA

Prot. N. 25

Sanseverino Rota, li 16 maggio *1944*

Risposta a nota N. _____

del _____

OGGETTO

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ON. MINISTERO AGRIC. E FOR.

A S.E. IL PREFETTO

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Quest'ultimo, fra tutti, é l'inconveniente più grave perchè giudica i prodotti agricoli del prossimo raccolto.

Risulta a questo Fronte Nazionale che in seguito all'intento del Sindaco, all'uopo interessato, la Società ha dichiarato di pristinare l'erogazione dell'energia a condizione che l'irrigazione si esegua di notte. Gli agricoltori, con encomiabile comprensione, sono disposti eseguire l'irrigazione nelle ore notturne, ma ciò nonostante, da parte della Società Elettrica, si creano nuove difficoltà. Per eseguire il riattacco alla rete di distribuzione si tenta di porre agli agricoltori utenti il pagamento di contributi che oscillano da un minimo di L. 600 ad un massimo di L. 20.000.=

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Siamo alla vigilia del raccolto granario e l'affluenza di questo prodotto ai "granai del popolo", almeno in questa zona, é subordinato al raccolto delle patate e del granturco. Se non si potranno eseguire i lavori di irrigazione, con conseguente raccolta di quest'ultimi prodotti, certo si ridurrà l'afflusso del frumento ai "granai del popolo".

A tal proposito non posso tacere il grave malcontento che dilaga fra gli agricoltori di questo Comune, i quali non fanno misteri per far comprendere che, qualora dovesse pregiudicarsi il rac-

./.

18 May 67

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

colto di patate e di granturco,ricorreranno ad ogni espediente per sottrarre al conferimento il grano necessario al completo approvvigionamento delle proprie famiglie.

E' superfluo qualsiasi commento per dimostrare quanto sia ingiusto,inopportuno ed impolitico l'operato della Società Elettrica della Campania.

Nel denunziare quanto innanzi,a nome dei Partiti rappresentati da questo Fronte Nazionale di Liberazione,prego di adottare,con la massima possibile urgenza,i provvedimenti del caso per eliminare le gravi conseguenze degli atti vessatori della Società elettrica in parola.

Con ossequio.

IL PRESIDENTE
(dr. Biagio Salvati)

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

(Translation)

NATIONAL FRONT OF LIBERATION
Commitee of Concentration and atifascist action, Salerno

San Severiho Rota Communal Section

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File No/ 25

San Severino Rota 16 May 44

To Hon. ACC, Salerno
Ministry for Agricolture and Forests, Saler
H.E. The Prefetto, Salerno

subject :Power for irrigation

This Committee in its meeting of April 28th requested the intervention of the Mayor of this Commune to eliminate some inconveniences deriving from some demands advanced by Societa Elettrica della Campania.

(1) This Company has requested that consumers of industrial power, that for war raisons have been unable to use it, to pay fbr the amount of minimum consumption included in their contracts: the Company has also closed its office in this Commune compelling users to go to Salerno to transact every matter and in addition it (2) has suspended the supply of power to farmers using it for irrigation purposes. (3)

The latter is the most important inconvenience as it is going to reduce the amount of agricoltural products of coming crops.

We have been told that following the intervention of the Mayor, the Company has declared to be ready ro supply again power providing the irrigation be done at night. The farmers are ready to do so, showing comphension of the present difficulties, but the Company is making other requests. To reestablish the connections with the distribution system the Company is now asking the farmers to pay some contribution, from a minimum of Lire 600 each to a maximum of Lire 20,000.

This request of the Company has not been well received at all and we think that it would be very bad if the Company succedeed in its intention to have the consumers pay sums absolutely injustified.

The wheat crop is approching and the delivery of the cereals to the "people's granaries" depends, at least in this area to the collection of patotos and corn. If it will be impossible to execute irrigation works the above two crops will be reduced, reducing at the same time the amount of creals to be sent to the " people's grannaries ".

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On this purpose we must mention that farmers of this Commune are very much dissatisfied of the above state of affa

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

inconveniences deriving from some demands advanced by Società Elettrica della Campania.

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171

On this purpose we must mention that farmers of this Commune are very much dissatisfied of the above state of affairs and are not afraid to state openly that if their crops of potatos and corn will be reduced, owing to lack of irrigation, they will see that wheat be kept home for the needs of their own families.

It is therefore nnecessary to explain how injust, unwise and bad policy be the action of Società Elettrica della Campania.

While we wish to denounce their action, in the name of all the parties represented in our Comittee, we beg you to adopt as ason as possible, steps necessary to avoid serious consequences that may arise from the wrong attitude taken by the above mentioned electric company.

Faithfully

THE PRESIDENT
(dr. Biagio Salvati)

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

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

Lt. Col. Lapper.

Complaints appt.

S.M.E. ——

Any supply should, I think, go through Agric.

S.C. —— after you have talked portion over with S.M.E.

Genl.

17/5.

Cash Position.

Please stop this over Discount paper not.

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

60 on list 180

EM/206.

PW+U

051

Rlw

7020/178

Subject:- Electricity Supply. 18 MAY Rcd

To:- HQ., A.C.C.

From:- No 10 CRE (Works)

Reference your ACC/051/PWU dated 15 May 44.

Every assistance will be given by this office to Public Utility undertakings to enable them to meter their supplies.

It is pointed out however that a number of Military Units are connecting themselves to the mains withput reference to this HQ or making their applications for electricity through the proper channels. It is this practice which is causing the trouble, and it would be appreciated if you could take the necessay action to have it stopped.

HEADQUARTERS
17 MAG 1944
A. C. C.

Lt Col Loffman

GEP
18/5

C W S Jackson Capt R.E.
E. & M. Officer,
No. 10 C.R.E. Works.

Field.
17 May 44
CWSJ/EH

Lieut. Col. RE.,
No 10 CRE (Works)

17 May 40

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

JWLB/in

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works & Utilities Sub-Commission
APO 394

18 May 1944

ACC/051/PWU

Subject : Power Consumers.

To : S.C.A.O. H.Q. Region V.
(Attention of Major Latimer).

1. With reference to your recent visit to this H.Q. attached are additional lists of large and small Power Consumers in your area as under:-

Distributing Coy.	Area
U.N.E.S. Coy.	Apricena
" "	Vasto
" "	Termoli
" "	Lanciano
" "	Larmo
" "	Agnone

Additional copies of these lists have been sent to the C.R.E. 60 Sub-Area and to the C.E. of No 2 District.

W.M. LAPPER
Lt.Colonel
Chief El.&Admin.Div.

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

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

WAL/cob

ACC/051/PWU

15 May 44.

Subject: Electricity Supply.

To : E.&M. Officer. No.10 C.R.E. (Works).

1. Reference your letter of 10 May 44, ref. EM/206 and attached correspondence from Societa Meridionale di Elettricita Co. concerning the consumption of electricity in certain military establishments.

2. The electrical companies are only able to operate so long as they receive income from consumers and in the case of military establishments the bills are paid by the Italian Government.

3. It is therefore most desirable that meters should be fixed at all points so that consumption of electricity can be properly accounted for.

4. It is hoped that you will be able to give access to the company for the purpose of fixing meters.

W.M. LAPPER 167
Lieut-Colonel,
Chief, El. & Adm. Div.

Subject:-Hydro-electric Unit, PALERMO - Transfer to Naples.

H.Q.,A.A.I.
C.M.F.

HQ Allied Control Commission (2)
HQ, No 1 District
CG, Island Base Section

2131/1/Q2

29 Apr 44

1. At a meeting on 12 Mar 44, the AAI Central Electrical Board allotted the following work to the Allied Control Commission for execution:

Removal, marking for re-assembly, packing for shipment and shipping from PALERMO to NAPLES, one 3500 KVA hydro-electric generating unit complete with control valves and switch gear, but excluding transformers, from the ALTO BELICE hydro-electric generating plant belonging to the General Electric Company of SICILY and located near PALERMO.

2. It is intended to install this unit at the site of a demolished plant on the mainland and to operate it at this site until approximately one year after the end of the war in ITALY. It would thereafter be available for re-installation in its present location.

3. HQ, Allied Control Commission, will please take the nececssary steps to acquire this plant and carry out the work scheduled above, calling on HQ, No 1 District for additional transport required.

4. CG, Island Base Section, is requested to assist No 1 District with transport in the PALERMO area as far as his resources allow.

5. Local Italian resources and Labour should be utilised to the fullest extent, and technical assistance will be provided by AAI Central Electricity Board on demand.

6. All charges other than for transport will be met by the Italian Government.

7. As soon as the necessary shipping data is available for component parts of the plant, HQ, Allied Control Commission, should make the necessary bids for shipping space to Movements, No 1 District,

8. HQ, Allied Control Commission, will send detailed drawings of the entire unit to AAI Central Electricity Board as soon as possible.

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

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8. HQ, Allied Control Commission, will send detailed drawings of the entire unit to AAI Central Electricity Board as soon as possible.

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Major General,
Chief Administrative Officer.

Copy to:- G-4
Q1
Mov (2)
Works (2) 2550/IRE dated 25 Apr 44 refers.
Local Resources Section.
Vice-Chairman, AAI Central Electricity Board.

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

CAMPANIA ELECTRIC CO Naples 110

TRASFORMATORI ASPORTATI DA TRUPPE ALLEATE

Cabina Riardo Scalo

X - Trasformatore Nobili N.8271 KVA 12 rapporto 9000/260/150

Cabina Riardo paese

- Trasformatore Nobili N.9304 KVA 40 " 9000/260/150

Cabina Acquedotto Capua

- Trasformatore Nobili N.6584 KVA 40 " 9000/260/150

Cabina S.Giuseppe Capua

- Trasformatore Nobili N.11162 KVA 40 " 9200/260/150

Cabina S.Maria la Fossa

X - Trasformatore Nobili N.4854 KVA 40 " 9000/260/150

Cabina Russo Pignataro

- Trasformatore Scotti e Brioschi N.6444 KVA 18 - rapporto 9200/260/150-

Cabina Sorbello

- Trasformstore Ocren N.8251 KVA 15 rapporto 9000/260/150

X via [Name of present location of trans.] Cardiello Radio station Brit Army

Consorzio Luigi Razza

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

- Trasformatore Nobili N.9304 KVA 40 " 9000/260/150

Cabina Acquedotto Capua

- Trasformatore Nobili N.6584 KVA 40 " 9000/260/150

Cabina S.Giuseppe Capua

- Trasformatore Nobili N.11162 KVA 40 " 9200/260/150

Cabina S.Maria la Fossa

X - Trasformatore Nobili N.4854 KVA 40 " 9000/260/150

Cabina Russo Pignataro

- Trasformatore Scotti e Brioschi N.6444 KVA 18 - rapporto 9200/260/150-

Cabina Sorbello

- Trasformstore Ocren N.8251 KVA 15 rapporto 9000/260/150

X via [Name of present location of farm] Candirello Radio station Brit Army

Corrozzio Luigi Razza

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

To: Maj. C.A. LATI[illegible], C.E., Regional Engineer, Region 5 A.M.G.

From: Maj. J.E. FORBES, Regional P.W. & U. Officer, Region 5 A.M.G.

Subject: Electrical Power Generation and Distribution in Campobasso Province; South-eastern District.

Reference: R5/516/2.

Date: 26 Apr 44.

1. INTRODUCTION.

1. The generation and distribution of electrical energy in Campobasso Province falls into three distinct districts:

(a). North and North-east along the valley of the river TRIGNO and South-east along the coast from VASTO to the CAMPOBASSO-FOGGIA boundary extending inland as far as LARINO forming part of the UNRRA system.

(b). South-west centred on ISERNIA and VENAFRO and forming part of the SME system.

(c). South-east centred on CAMPOBASSO and extending along the valley of the river BIFERNO from its source to the UNRRA boundary. Part of the SME system.

2. This report deals with the 3rd district which is self-contained and self-supporting, neither taking power from nor, at the present time, feeding into the national grid.

3. Power is generated in 16 stations, all hydro-electric and operating on low heads, and located on the BIFERNO river. Capacities vary from 60 to 880 KVA but there is no standardisation of voltage, either of generation or distribution. Frequency is standardised at 45 cycles but is not always closely regulated and varies between 45 and 50 cycles.

4. Each power station has been inspected to determine the damage done by enemy action, the present generating capacity and the possibility of increasing output by reasonable repairs.

5. The majority of the stations are owned and operated by the Societa Elettrica della Campagna of the SME group which company also purchases and controls the distribution of power from most of the remaining privately owned stations. The senior official of S.E. della C. responsible for this district is Ing. Enzo FURLO whose headquarters are in CAMPOBASSO.

6. Prior to Region 5 taking over Ing. FURLO had already completed numerous repairs and improved power generation and distribution in the district. These and subsequent repairs make further possible improvements in the near future relatively small. The stage has almost been reached where repairs to damaged plant as distinct from the re-building of completely demolished stations have been

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

extending inland as far as LANZO forming part of the [illegible]

(b). South-west centred on TESSERA and VENARO and forming part of the SNE system.

(c). South-east centred on CAMPIGLIO and extending along the valley of the river BIFERNO from its source to the UNRRA boundary. Part of the SNE system.

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II. POWER GENERATION.

7. Power generation is seasonal and influenced by the flow of water in the BIFERNO which falls off to a considerable extent during the summer months. The influence is least felt in the stations nearest the source of the river which is fed by perpetual springs and melting snow from the Monti del Matese above BOIANO. Taking the district as a whole output is reduced to about two thirds of the winter output.

8. A list of the 17 power stations with particulars of installed capacity present state and summer and winter output is given in Appendix "A". It will be seen that five installations, DE ANGELIS, ISCHIA, CUACCI, QUIRINO & S. MASSIMO have been completely destroyed, i.e. nothing short of re-building and re-equipping from the foundations upwards will see them in operations again.

9. BIVARO has suffered considerable damage to the fabric of the powerhouse and to the mechanical and electrical equipment. One modern turbine has escaped damage however and an alternator from the BIFERNO station can be made available for coupling to it. As this would make another 215 KVA available in the immediate vicinity of CAMPOBASSO town the S.E. della C. engineer has been instructed to

prepare a scheme/.....

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

prepare a scheme involving the minimum of re-building to house one set - the original station housed two sets.

10. The FIGUEREDO station suffered considerable damage to the fabric of the power house and to the control panel and turbine governors. A temporary brick structure has been built to protect the plant and repairs to the governors are being made locally. Lack of instruments is holding up repairs to the control panel and a list of those required has been passed to P.W. & U. Sub-commission, A.C.C., with a request that they be obtained through SEE head office in NAPLES. This is one of the stations least affected by seasonal variations in the water flow and the additional summer/winter output of 200/280 KVA in the BOIANO district which would become available are considered justification for giving all possible assistance. It is also possible that the greater part of this output could be diverted to the BENEVENTO area if required.

11. Uncompleted repairs at the remaining damaged stations are small and their completion depends only upon minor items for the release of which applications has been made.

12. The S. MASSIMO installations is the only one in CAMPOBASSO district operating under a high head, viz 736 metres. In summer the water supply dries up completely and the plant is closed down. The fact that the plant has been demolished does not therefore adversely affect the normal summer contribution of this station to the system as a whole.

13. The 2 undamaged stations are in good condition and have been well maintained by the resident plant attendants. In one case only, COLLEDANCHISE, was the plant found in a dirty condition and appropriate action was taken with the plant attendant responsible.

14. Power stations are in telephonic communication with one another and with the head office of S.E. della C. in CAMPOBASSO. Owing to the remote location of most of the stations and difficulties of travel it has not been possible for the engineer-manager of S.E. della C. to visit his installations at frequent intervals and their high standard of up-keep reflects credit on his local staffs.

15. Dams, flumes and tail races are in good condition and normal maintenance work is proceeding.

16. Much of the repair work carried out to date is the result of improvisation and the use of materials in the possession of S.E. della C. Requests for assistance have been negligible.

III. TRANSMISSION & DISTRIBUTION.

17. All communes in the district covered by this report are receiving power for industrial and lighting purposes. Arrangements have been made with power users - flour and pasta mills etc. - in different villages to stagger their hours of working to ease peak loads and no excessive hardships have been inflicted.

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been made.

12. The S. MASSIMO installations is the only one in CAMPOBASSO district operating under a high head, viz 736 metres. In summer the water supply dries up completely and the plant is closed down. The fact that the plant has been demolished does not therefore adversely affect the normal summer contribution of this station to the system as a whole.

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16. Much of the repair work carried out to date is the result of improvisation and the use of materials in the possession of S.E. della C. Requests for assistance have been negligible.

III. TRANSMISSION & DISTRIBUTION.

17. All communes in the district covered by this report are receiving power for industrial and lighting purposes. Arrangements have been made with power users - flour and pasta mills etc. - in different villages to stagger their hours or days of working to ease peak loads and no excessive hardships have been inflicted.

18. It should be possible to meet summer power demands as output falls by extending hours of working as the need for lighting decreases.

19. The transmission system is shown on the map, Appendix "B".

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20. The bulk of the power is transmitted to sub-stations at 20, 11 or 9 KV, two small areas being fed at 3 and 1 KV respectively. Transmission lines are in fair condition and breakdowns have generally been due to combined snow and wind effects. With improving weather there has been practically no interference with distribution.

21. The ~~important~~ important 60 KV grid line from CAMPOBASSO to BENEVENTO is out of action on account of damage to the line itself between these towns. The main 60 KV transformer sub-station (SME) in CAMPOBASSO is also completely destroyed. This isolates CAMPOBASSO from the south and effectively prevents any interchange of current.

22. The practicability of the suggestion in para 10 depends upon the installation of a 9/60 KV step-up transformer at MONTEDDO and repairs to the CAMPOBASSO-BENEVENTO line, although, for the power available, it might be found possible to transmit as far as BENEVENTO at 9 KV without excessive losses.

23. The 20 KV line/.....

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23 25. The 20 KV line between PORTORE and CASALNUOVO (Foggia Province) is also out of action on account of damage further isolating the CAMPOBASSO district.

IV. CONCLUSIONS.

24. Repairs to power plants and transmission lines already effected have cleared most of the work which can be done short of re-building demolished stations. It is recommended that assistance be given to complete remaining items outlined above as soon as possible.

25. There is a reasonable balance between supply and demand and no serious rationing hardships have been imposed.

26. Possibilities of export of power to outside districts are limited and in amount and dependent upon transmission line and transformer repairs.

J.E. FODEN,
Major, General List,
Public Works & Utilities Officer,
Engineering Division,
H.Q. Region 5, A.M.G.

28 Apr 44.
JEF/mm.

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1. Name of Power Station.
2. Owner.
3. Operated by
4. Area served
5. Generating Capacity, pre Sept 1943.
6. " " at 1.5.44.
7. Stand by plant additional to 6 (cannot be operated concurrently with 6 as max. water flow insufficient.
8. Capacity additional to 6 expected to be available at 1.6.44 through completion of repairs.
9. Total generating capacity expected to be available at 1.6.44 (6 plus 8).
10. Estimated summer output from plant operating at 1.5.44.
11. Estimated additional summer output from plant brought into operation subsequent to 1.5.44 including partial re-building of BIVARO.
12. Estimated total summer generating capacity (10 plus 11).
13. Remarks.

1	2	3	4	5	6	7	8	9
VALLECUPA	S.E. della C.	S.E. della C.	CAMPOBASSO TOWN via FORTORE	500	500	500	-	500
DE COSMO	S.E. della C.	S.E. della C.	MORRONE to VOLTURARA via CELENZA VALFORTORE.	285	-	-	285	285
CASTELBOTTACCIO	Soc. Anon. Idroelettrica di Castelbottaccio.		40 % output to CASTELBOTTACCIO. 60 % " " CAMPOBASSO TOWN.	640	640	640	-	640
PRECETTORESSA	S.E. della C.	S.E. della C.	CAMPOBASSO TOWN.	550	300	-	250	550
COVATTA	Private.	S.E. della C.	90 % output to CAMPOBASSO TOWN. 10 % " " LUCITO.	670	670	-	-	670
DE ANGELIS	Private	S.E. della C.	-	150	-	-	-	-
BIFERNO	S.E. della C.	S.E. della C.	S. BIASE, PIETRACUPA, CAMPODIPIETRA	600	385	215	-	385
ISCHIA	S.E. della C.	S.E. della C.	-	150	-	-	-	-
GUACCI	Private.	Private.	-	320	-	-	-	-
BIVARO	S.E. della C.	S.E. della C.	-	880	-	-	-	-
ANTONECCHIA	Private.	Private.	S. ELENA, ANTONECCHIA, BUSSO and CAMPOBASSO TOWN.	250	250	250	-	250
GIORDANO	Private.	Private.	BUSSO, SPINETE, BOIANO.	595	595	-	-	595
COLLEDANCHISE	S.E. della C.	S.E. della C.	COLLEDANCHISE, BARANELLO, VINCHIATURO	65	65	-	-	65
QUIRINO	S.E. della C.	S.E. della C.	-	50	-	-	-	-
COLAGROSSO	S.E. della C.	S.E. della C.	BOIANO, CANTALUPO, CASTELPETROSO	75	75	-	-	75
RIOFREDDO	S.E. della C.	S.E. della C.	-	280	-	-	-	-
S. MASSIMO	S.E. della C.	S.E. della C.	-	1500	-	-	-	-
			TOTAL.	7560	3480	1605	535	4015

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CAMPOBASSO PROVINCE - POWER STATIONS IN SOUTH-EAST DISTRICT. APPENDIX "A".

	5	6	7	8	9	10	11	12	13
DITORE	500	500	500	-	500	250	-	250	Standby plant out of action due to damaged turbine runners.
rla CELENZA	285	-	-	285	285	-	150	150	Minor repairs to exciter and control panel in hand.
BOITACCIO.	640	640	640	-	640	350	-	350	Plant in first class condition.
ASSO TOWN.	550	300	-	250	550	300	-	300	Materials ordered to enable repairs to transformer of 2nd set to be completed.
ASSO TOWN.	670	670	-	-	670	335	-	335	Plant in good condition.
	150	-	-	-	-	-	-	-	Plant completely demolished.
CAMPODIPIETRA	600	385	215	-	385	385	-	385	215 KVA alternator to be transferred to BIVARO.
	150	-	-	-	-	-	-	-	Plant completely demolished.
	320	-	-	-	-	-	-	-	" " "
	880	-	-	-	-	-	215	215	Summer output depends upon completion of re-building scheme.
BUSSO and	250	250	250	-	250	200	-	200	Plant in first class condition.
.	595	595	-	-	595	300	-	300	Plant in first class condition.
LO. VINCHIATURO	65	65	-	-	65	50	-	50	Plant in good condition.
	50	-	-	-	-	-	-	-	Plant completely demolished.
TILPETROSO	75	75	-	-	75	60	-	60	Plant in good condition.
	280	-	-	-	-	-	200	200	Summer output depends upon completion of repairs in hand.
	1500	-	-	-	-	-	-	-	Plant completely demolished.
TOTAL.	7560	3480	1605	535	4015	2230	565	2795	

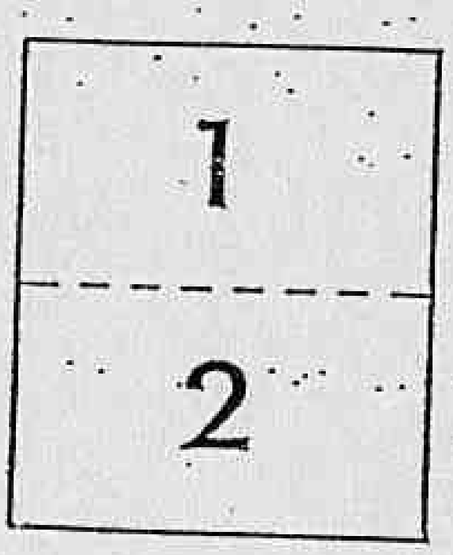
in 6 as max. water flow insufficient. } WINTER.
completion of repairs. }
s 8). }

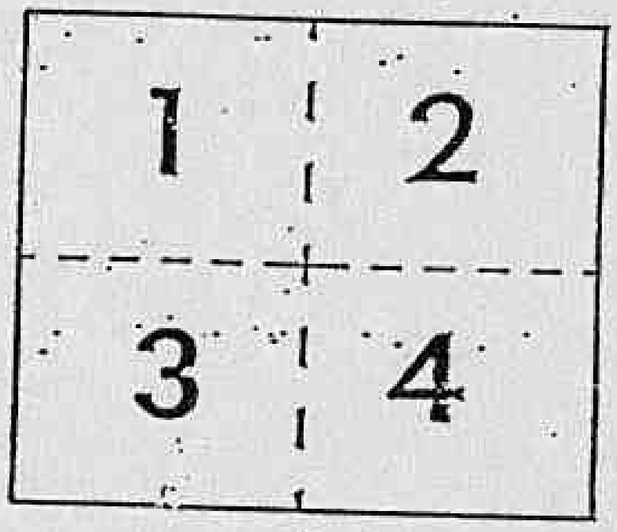
in subsequent to 1.5.44 including } SUMMER.

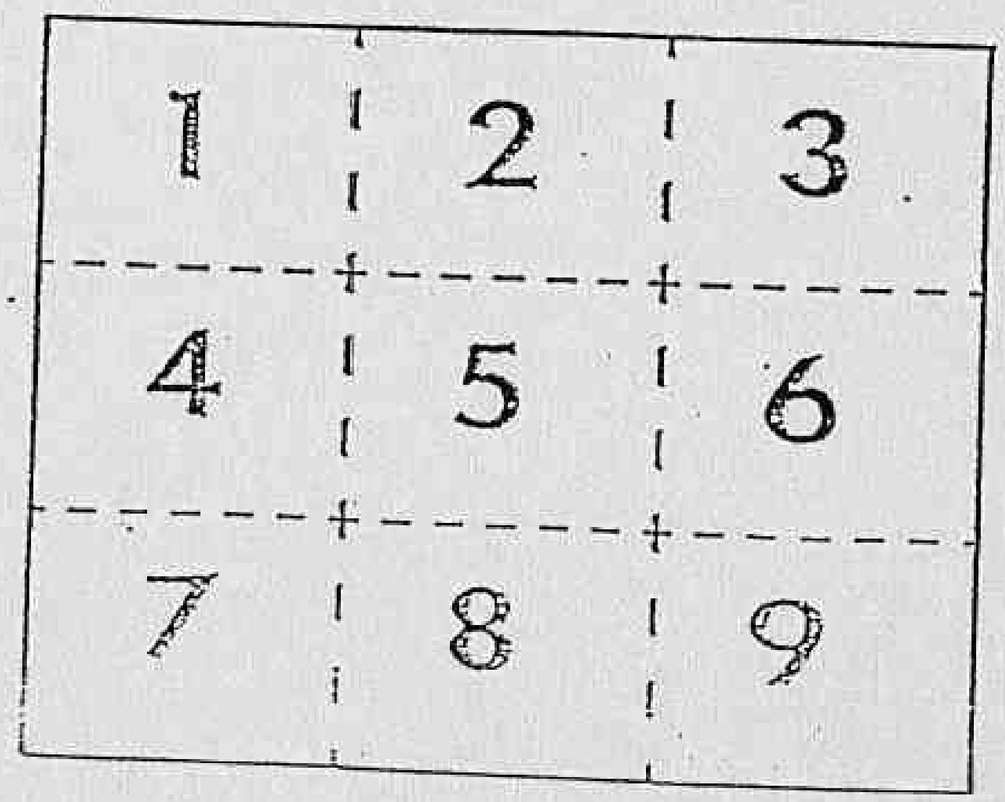
HEADQUARTERS A.M.G. REGION N.

MAPS AND CHARTS TOO LARGE TO FILM
ON ONE EXPOSURE ARE FILMED CLOCKWISE
BEGINNING IN THE UPPER LEFT CORNER,
LEFT TO RIGHT, AND TOP TO BOTTOM.

SEE DIAGRAMS BELOW.







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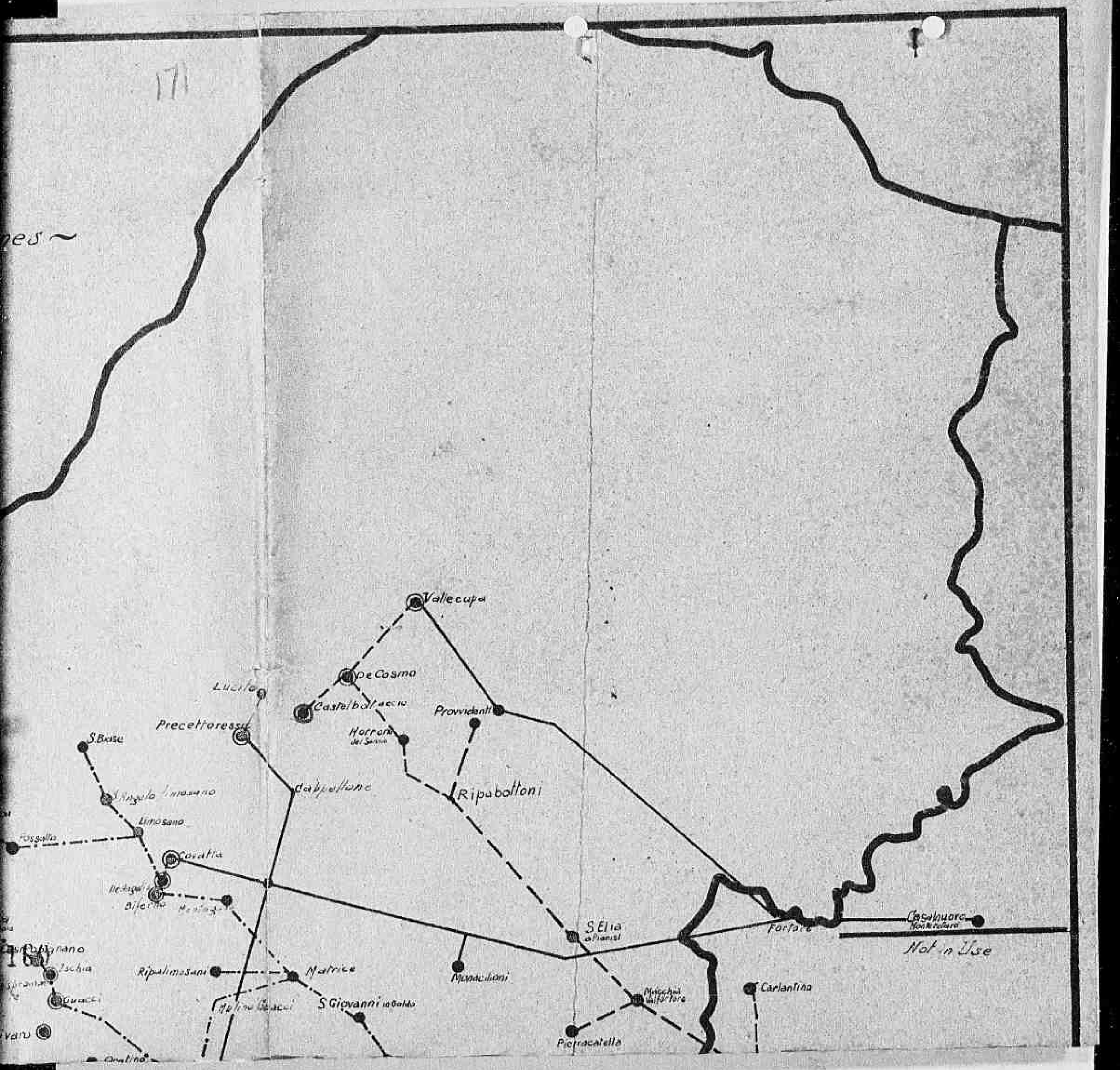
CAMPOBASSO PROVINCE

S.E. DISTRICT

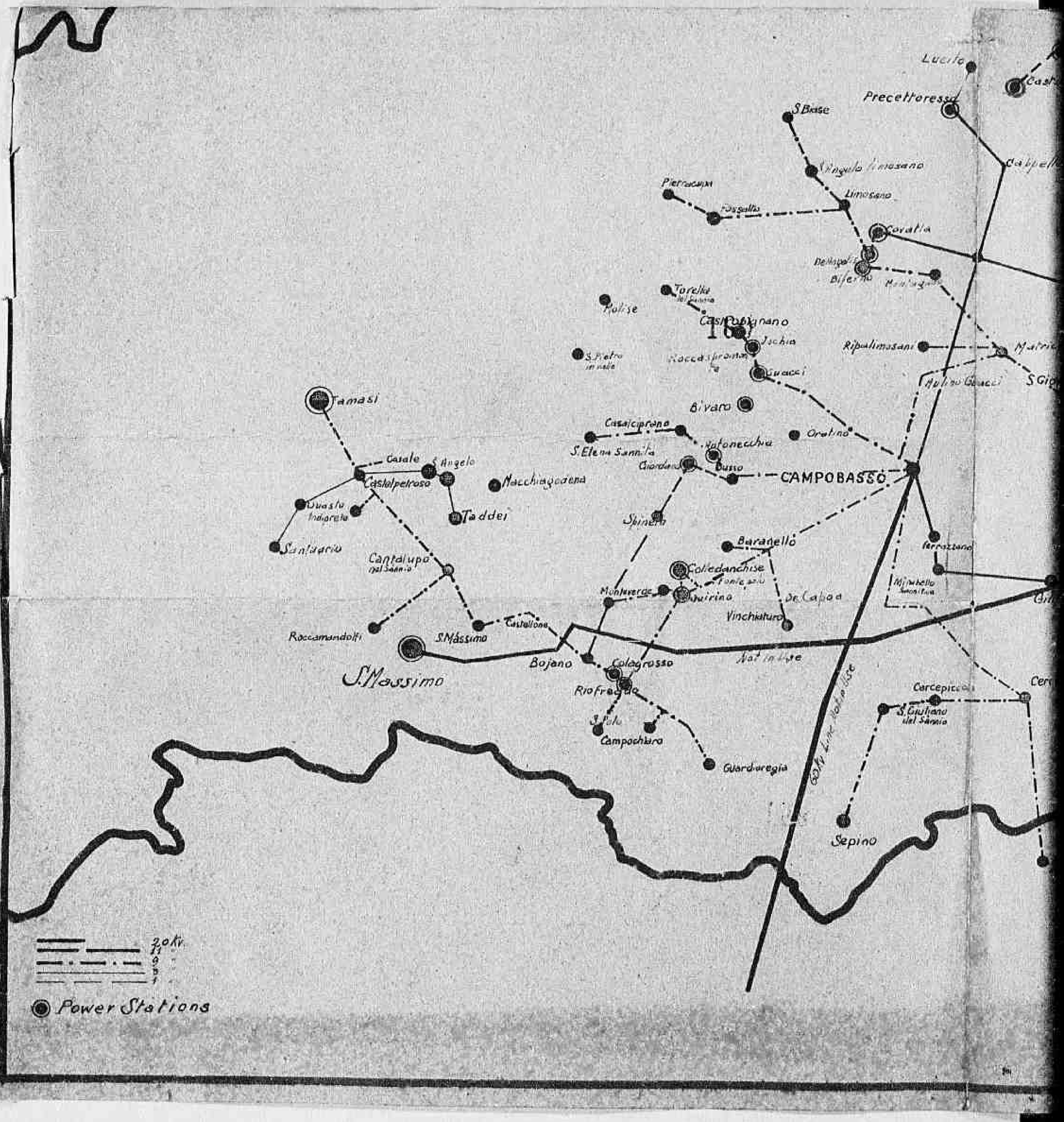
~ Electrical Power Station And Trasmission Lines ~

Scale 1: 200.000

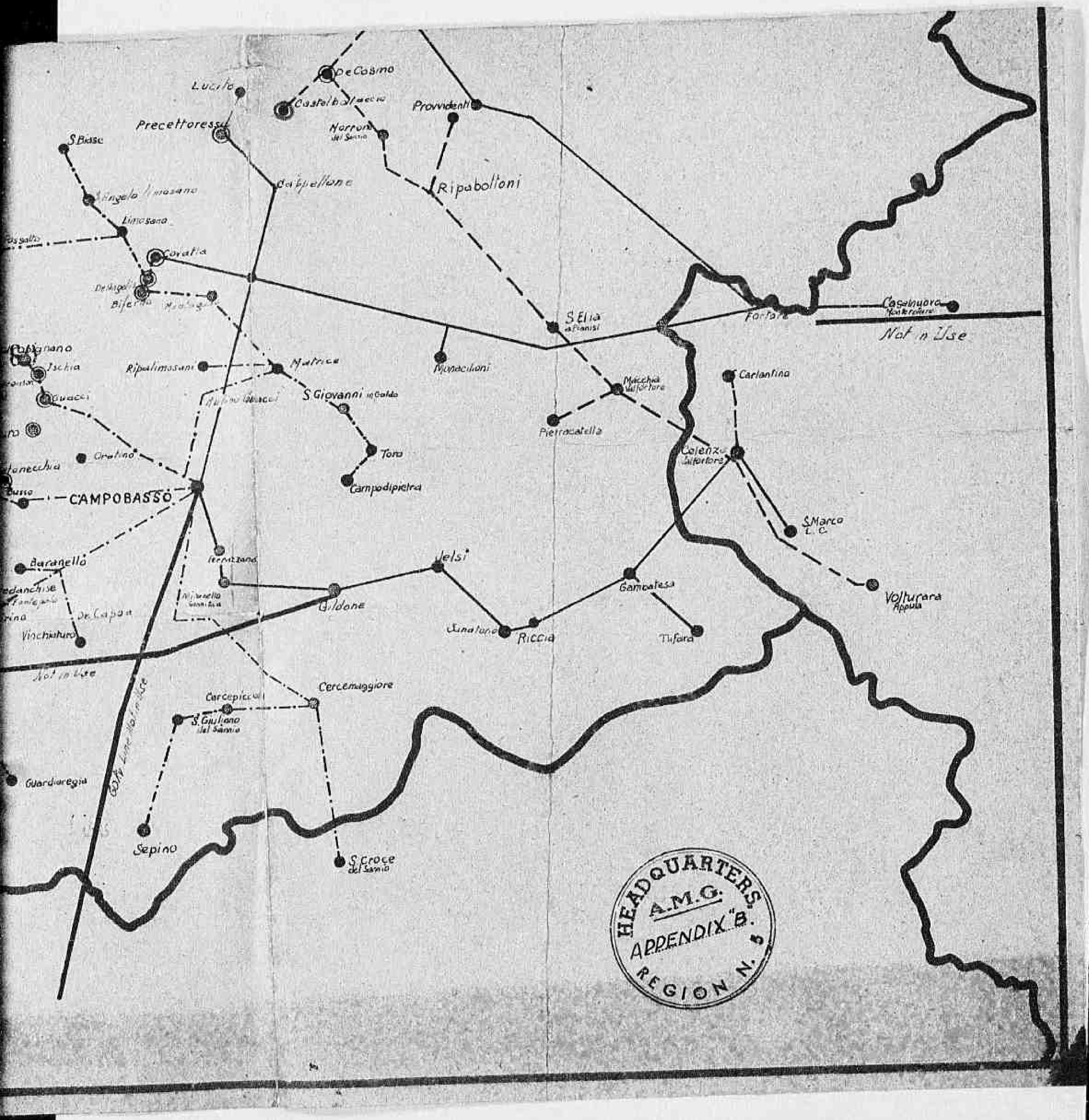
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HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works and Utilities Sub-Commission
APO 394.

WLL/ec

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ACC/051/PWU

7 May 1944.

Subject : Central Electrical Board

To : Vice President, Economic Section.

Reference your request for information concerning the personnel etc of the C.E.B. It was necessary for me to request this information from Colonel Crowden.

Colonel Crowden is not prepared to supply any such information until A.C.C. have agreed to supply all the personnel as laid down in the establishment. He referred to some establishment figure which A.A.I. have put forward and which A.A.I. expect to be made up by A.C.C.

W.M. LAPPER,
Lieut.-Col.,
Chief Elec. and Admin. Div.

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

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

ELECTRICAL DIVISION

Notes for Monthly Report April 1944.

May 6

1. Personnel.
2. Control of Electricity Supplies.
3. Meetings of Central Electrical Board.
4. Government Decree for Electricity Rationing.
5. Electricity Rates and Government Decree.
6. Allied Local Resources (Italian) Board.

1. PERSONNEL.

It was early realised that the industrial life of the country both for military and civilian needs would depend on the maintenance of the Electricity Supplies and the allocation of the available electricity in order of priority. Arrangements have now been made for the following officers to be assigned to Regions to deal with electrical distribution matters and to be responsible for the proper allocation of electricity within the area.

Lieut. Butcher to Region II.
Lieut. Sbrolla to Region III.

These officers have now had considerable experience in the special problems arising in the electrical field under wartime conditions and are fully competent to deal with all electrical matters as they arise.

In addition to this Lt.-Col. J.E. Breth has been obtained from Fifth Army and after training both at the HQ. and in Region III Electrical Section has now been assigned to Region IV. This officer is fully acquainted with the special electrical problems which will arise in the regional area, particularly in Rome. Attempts are still being made to get additional officers for this Region in order to cope with the much larger electrical difficulties which we must expect in and around the Rome area.

In the Calabria area, Region VII, it is felt that the Public Works Officer will also be able to deal with electrical matters and Major W. F. Chamberlain, who is shortly taking up duties as Public Works Officer in that Region, is at present being trained at this HQ., and also in Region III before taking up duties in Region VII.

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2. Control of Electrical Supplies.

The control and rationing of the available electricity has proved to be a much bigger job than was at first anticipated. There were no records available showing the individual users and their demands. Our officers now appointed to the regions together with HQ. officers have spent considerable time in tabulating and classifying all power users with the result that we are now in the position that a complete control is being maintained on all users of electricity.

Furthermore, it has been necessary to discontinue the supply to a large number of small power companies in order to make more energy available for essential services.

The weekday peak load was reduced by changing factories from day to night working. Rest days, other than Sunday, were assigned to certain areas and well advertised through newspapers. A check taken in the Bari area over a four week period reflected a 70% to 80% observance of the assigned rest day.

Meetings have been attended by officers of this Sub-Commission at 51, 94, and 57 Areas; Dist. 2, Dist. 3 and P.B.S. Headquarters for the purpose of discussing the electricity rationing problems.

3. Meetings of Central Electrical Board.

Lt.-Col. W.M. Lapper, Chief of the Electrical and Administrative Division of this Sub-Commission, is the A.C.C. representative on this Board. Matters pertaining to the rehabilitation of Electric power plants and high voltage transmission systems were discussed and decisions taken in connection with the allocation of work to the various services. It was decided to allocate to A.C.C. the job of moving a 3,500 K.V.A. hydro electric turbine plant, associated switchgear etc., from the Alto Bellice Hydro-electric Station near Palermo, Sicily, to Naples. This to be installed at the Matera No. 2 Hydro-electric Station, Italy, by the Eighth Army. The order for this work was received by A.C.C. on May 3rd. and although preliminary negotiations have taken place the actual work will commence in Sicily on 8 May 44. Other matters in connection with the allotment of electric energy, thefts of transmission line conductor were discussed and appropriate action taken.

4. Italian Government Decree for Electricity Rationing.

The decree issued by the Italian Government at our instigation came into force on 5 April 44, and called upon all civilian users of Electricity to conform to a strict rationing scheme. The Electrical Officers in the regions together with officers from this Sub-Commission are AC/1129/4 engaged with the power companies in putting this Decree into operation.

An intensive campaign through the medium of the local newspapers, industrial associations, power company management and engineers, is still being pursued.

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5. Electricity Rates and Government Decree

Considerable work has been done in connection with the settlement in the electricity rates, applications for increase having been received from ten companies. To keep down inflation basic rates will remain unaltered and only out of pocket expenses will be allowed in arriving at a surcharge. It is expected that all outstanding claims will be settled during the month of May. Arrangements are in hand with the Italian Government for the issue of an amending decree to allow of rate increases.

6. Allied Local Resources (Italian) Board, (Electrical Committee).

Lt.-Col. W.M. Lapper, Chief of the Electrical Division of this Sub-Commission, is the A.C.C. representative on this Committee. Meetings have been attended and allocations of Electrical energy agreed for the different districts.

CONCLUSIONS

1. Personnel.

(a) In order to adequately deal with the Rome situation three additional electrical engineers are required for assignment to Region IV.

(b) Three additional electrical engineers are required on the Sub-Commission HQ. staff for overall planning work and inspection visits, and to give assistance in the Regions.

2. Control of Electricity Supplies.

This matter is well in hand. The control will have to continue, and it will not be wise to withdraw any of the regional officers for the time being.

3. Meetings of Central Electrical Board.

No comment.

4. Italian Government Decree, Electricity Rationing.

Decree as issued in Gazzetta Ufficiale did not conform to that agreed with the Sub-Commission. Amending Decree being discussed with Italian Government officials.

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5. Electricity Rates and Government Decree.

No comment.

6. Allied Local Resources (Italian) Board, (Electrical Committee).

No comments.

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5 may 1944

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Lt. Col. Laffer.

Genie major Chamberlain is now assigned to Calabria Province. I am assuming that this matter can be considered closed.

FHH c

OK - file closed [illegible]

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Major Ramler.

Please let Capt.
Loughlin See this. Suggest
we have a Talk with
him on his return to
Canadian Comm. Control
& This Area.

Lou K.

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

Subject: Electric Power Demands - CALABRIA and LUCANIA Coys.

U-1484/060/Rom

PW&U

14 CE Works
No 2 District HQ
Tel No 11422
Ref No CE/113/7

18 April. 44.

DDW AAI HQ(Adm Sch)

1. Reference your 528/DDW dated 12 Apr 44. giving figures of power consumption and demand.

2. As the control of the CALABRIA Electricity Company has now passed to ACC will you please send in future a copy to HQ ACC for necessary action.

[signature]
Brigadier,
Chief Engineer.
E.L.S

Copy to HQ.ACC

Minutes 7 of Allied Force Local Resources (Italian) Board, Electric Power committee meeting held on March 21st refers.

HEADQUARTERS
21 APR 1944
A. C. C.

21 apl 44

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6 copies

Report N° 1

SUBCOMMISSION OF ITALIAN EXPERTS
FOR INDUSTRY AND COMMERCE

TO THE ALLIED ARMISTICE CONTROL COMMISSION
SUBCOMMISSION FOR INDUSTRY AND COMMERCE

NAPLES

Naples, February 1944

AVAILABILITY AND CONSUMPTION OF ELECTRIC POWER IN CONTINENTAL SOUTHERN ITALY

The present report has as objective to illustrate the availability of electric power in continental Southern Italy and to confront it either with the present demand, or with its foreseeable development during the coming months.

We refer to the previous reports entitled

"MAXIMUM DEMAND AND ENERGY YEARLY DELIVERED TO SOUTHERN DISTRICTS PRELIMINARY REPORT ON THE POSSIBILITY OF SUPPLYING ENERGY TO ROME SECOND REPORT ON THE POSSIBILITY OF SUPPLYING ENERGY TO ROME"

which were submitted to the proper Allied Authorities by the Southern Electric Power Company.

It will recalled that almost all the electric power for the needs of Continental Southern Italy is produced by the Southern Electric Power Company; it is sold in part directly to large industries and in part to dependent organizations and to distributing Companies controlled by SME, as below specified:

SME - Naples Distribution - which distributes power in the city of Naples and neighbouring communities

Società Campania - which effects distribution in the remaining communities of Naples Province, in a large part of Salerno Province and in the provinces of Avellino, Benevento & Campobasso.

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Società Pugliese - which distributes in the five Puglia Provinces

Società Lucana - which effects distribution in the two Lucania Provinces and in the southern part of Salerno Province.

Società Calabria - which distributes in the three Calabria Provinces.

In Naples, in addition to the Southern Company, the Ente Autonomo Volturno (yearly production about 20 million KW hours), while in some areas of Campania, Lucania and Calabria there are small hydroelectric plants whose is employed for colac use. These latter plants produce a total od about thirty million KWH per year.

The power produced in Continental Southern Italy during the year 1942 is subdivided as follows:

Plants of Sme	1.695	millions of KWH
Minor Plants controlled by Sme	90	
Total SME Group	1.785	
Ente Autonomo Volturno	80	
Small plants of other Companies (estimated figures)	30	
	1.895	millions KWH

Therefore, the Sme Group supplied 94% of the total requirements.

X X X

In the are up to now liberated the following installations remained intact (or with easily repairable damage):

	annual KWH X 106	MW
Sila Group	750	130 X 160
Tusciano	50	4 X 8
Tanagro	70	4 X 11
Matese 1° salto (1)	20	5
	890	139 X 184

(1) Shortly another 5 MW machine will enter into operation.

Against this productive capacity there is at present a daily demand on the Sme net of about 1.850.000 KWH with 15 reading of 107 MW.

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Daily demand is on the average distributed ad follows:

Direct consumers Smc	150.000 KWH
Naples Distribution	360.000
Campania	170.000
Pugliese	850.000
Lucania	30.000
Calabria	60.000
	1.620.000
Distribution Lose	230.000
	1.850.000

Prior to war destruction there existed a daily demand of approximately 4.8 to 5 million KWH with top readings from 260 to 280 MW.

An analysis of present demands, made for individual areas and with segregation of the usual consumer categories, leads to the following breakdown:

Direct users S.M.E.

The daily requirements of SME users amount to 150.000 KWH (enclosure B) with an estimated total reading of 15 MW.

Naples Distribution Area

Daily demand in substations in the Naples Distribution Zone amounts to about 360.000 KWH with a reading of 20 MW.

This demand can be broken down as follows (1)

Large consumers	KWH	35.000	(second enclosure C)
Medium & small F.M.		50.000	(50% demand in 42)
Illumination		140.000	(130% of demand in 42)
Domestic appliances		80.000	" " " " "
		305.000	
Distribution Loss		55.000	
	KWH	360.000	

Area of the Campania Company

The Southern Area of the Campania Company (Salerno-Castellammare - Torre Annunziata) is served by the Smc. net. In the are of Caserta and Frattamaggiore only a few supplies of military interest are made, but of little importance; the

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area of Benevento - Avellino - Campobasso is served by small local installations (1.3 MW), while the Formia area is still on the other side of the enemy lines.

As regards the Southern area, the composition of the daily present load is about the following:

Light	30.000	KWH
Domestic Appliances	20.000	
Large users	30.000	(enclosure D)
Small and medium F.M.	35.000	
KWH	115.000	
Distribution Losses	55.000	
KWH	170.000	(with a reading of 10 MW).

(1) Note- Small and medium power requirements have diminished by about half compared to 1942 as many industries have been destroyed by bombings during 1943 and others are inactive due to lack of raw materials.

Light and domestic appliances are in increase due to the many offices and barracks of allied troops. The high price of combustibles, as also the lack of distribution of illuminating gas (which however was resumed partially during these last few days) have also had their influence on increases of consumption in the category domestic appliances.

In the area of Benevento - Campobasso - Avellino there exists the following daily demand:

Light	5.000	KWH
Low Power	15.000	
	20.000	KWH
Distribution Losses	8.000	
KWH	28.000	

(These latter data are not reported in the following accounts, as supply has been effected, as foremontioned, by local centrals).

Area Società Pugliese

The daily demand in the Puglia Zone amounts to 850.000 KWH with a reading of 50 MW, which may subdivided as follows:

Large users	KWH 100.000	.(inclosure E)
Medium & small F.M.	290.000	(increase of 30% on 42)
Light	150.000	(" " " 1 9)
Domestic appliances	80.000	(" " " " ")
Re-sellers	20.000	(1942 data)
	KWH 640.000	
Losses	210.000	
KWH	850.000	

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Among small and medium power requirements there figure for about 80.000 KWH the requirements of oil mills who have this year used larger quantities of power due to the exceptional abundance of the olive harvest. Due to the seasonal type of this demand however in the coming month of March this demand will drop off.

Area of Lucana and Calabria Companies

In these two areas there are no large consumers to be found: besides, a large part of the power needed for their requirements is supplied by local hydroelectric plants. Therefore, it is sufficient to recall that they absorb daily from Sme:

Lucana	30.000 KWH
Calabria	60.000 KWH

and these quantities will not be subject to considerable changes in the future.

X X X

Increases in daily power requirements which may be estimated for the coming months, are as follows:

	KWH				
	Large users	Medium & small users	Interconnecting zone	Increase Losses	Total
Direct users	200.000				200.000
Naples Distr.	50.000	30.000		20.000	100.000
Campania	70.000	30.000	60.000	40.000	200.000
Pugliese	30.000			10.000	40.000
	350.000	60.000	60.000	70.000	540.000
Transport losses				60.000	60.000
Total	350.000	60.000	60.000	130.000	600.000

Increases of the large consumers are based as per data of inclosure A.

For the small and medium users it is assumed that seasonal changes are compensated for by increases in other uses.

For the interconnecting areas, the needs are estimated cautiously. Furthermore, it has been taken into account, that power must eventually be supplied by the Sme for the city of Rome. In the above mentioned reports to the Allied Authorities, this service is estimated at 20 MW, to which corresponds a daily out-take of 350.000 KWH.

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Including the anticipated supply of Rome, future demands in the various areas become the following:

North Area	Daily KWH	MW.
Direct users	210.000	
Naples Distribution	460.000	
Campania	370.000	
Lucana	30.000	
Rome	350.000	
	1.420.000	
Transport Losses	290.000	
	1.710.000	95
Puglia Area		
Società Pugliese	890.000	55
Calabria Zone		
Calabria Company	60.000	
Direct users	140.000	
	200.000	10
Total requirements	2.800.000	160

As the capacity of the transformers in the Silana Centrals does not afford the transmission to Puglia and Campania (150 KW system) of more than 80 MW, continuing and based on a Puglia demand stabilized at 55 MW, there remain for the North the following amounts:

Present installations	MW.
From the Silana Centrals	25
From Tusciano	4 X 8
" Tanagro	4 X 11
" Matese 1st dam	15
	38 X 49

to this power can be added:

2nd group in the Matese Central 1st dam	5	(1)
2nd group in the Capua hydroelectric Central	30	(2)
	73 X 84	

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Compared with the indicated demand by the consumers, therefore in the North Zone a deficit with a capacity variable from 11 to 22 MW is indicated.
Of the other hand, in Calabria, the following will be available:

	MW
Silani Plants	130 X 160
Transferred to Puglia and Campania	80
	50 X 80

There would remain in Sila power capacity of 40 to 70 MW (60 KW system) with about 150 millions of KWH.

---

(1) Note - For the end of February can be available

(2) Note - A second group of 15 MW will be ready by the 20th of February, a second of similar capacity can be ready for the first half of Marc.

X X X

The above cited figures, brought up to date on operational data on accurate research on the present industrial consumer situation, reconfirm the extremely difficult situation in the sector of electric power. The only exception is the Calabria Zone, where an excess of power on the 60 KW is foreseeable, due to the impossibility of transmitting same to the North Zone.
The situation might be improved if by good chance the power installations which supply the city of Rome, should be found on the day of its fall, in such condition as to permit their being restored, even partially, to operating condition. Also it is well to recall that the capacity of 20 MW for Rome has been based on technical transmission possibilities, while the needs of the city would be incomparacly larger.

It cannot be assumed (in spite of efforts being made) that other power sources will be quickly available. There would remain however to be used for the production of power some dydroelectric generators in existence with customers of SME, and more precisely the following:

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Ilva	Bagnoli	KW	7.000
Italcementi	Salerno		200
Navalmeccanica	Naples		500
Cotoniere	Angri		200
Cotoniere	Fratte di Salerno		1.100
Samit	Napoli		2.200
Soc. Agricola Volt.	Capua		700
Cirio	S.Giovanni a Teduccio		300
Canapificio di	Frattamaggiore		400
Raffinerie di	Naples		500
Anic	Bari		3.000
Acciaierie Pugl.	Bari		700
" "	Giovinazzo		700
Spremiture di Olio	Bari		200
Montecatini	Barletta		350
Arsenale di	Taranto		3.000
		KW	21.050

But while the most important of these (Ilva) will require some time to be placed partially operation, it might be cautious not to count on these generators in a continuing fashion, and to entrust instead to same a resumption task, in view of the fact also that the Capua Central should function continuously with both repaired groups (the third cannot be counted on at moment).

It remains only too evident that any program of industrial resumption must be principally considered under the aspect of availability of needed electric power. Due to lack of new sources, the improvement of the leading diagram may help (transfer of industrial work to night periods) and energetic actions to that effect have already been initiated by the various Distributing Companies; or even suspension in turn of distribution in the various zones, but under that heading it is necessary to recall the almost unsurmountable difficulties deriving from the strict interrelationship of purely civilian uses with uses essential for the conduct of the war.

Naples, February 1944

THE UNDERCOMMISSION OF EXPERTS
The President
(Dr.Ing.Giuseppe Cenzato)

Dr. Ing.Cabrio Vidulich Premuda)

(Dr. Ing.Marcello Rodinò)

The Secretary
(Dr. Salvatore Guidotti)

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P.S. The present work has been carried out with the collaboration of the Engr.C.Buonocore of the Research Office of the Società

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

Inclosure A

Tabellation of large consumers

Yearly KWH (in million)

	1942	According to the situation of Jan. 1944	According to the situation which will probably arise in the first months of 1944
Direct consumers Sme.	848.5	49	121
Consumers Naples Distribution	100.4	12.7	31.5
" Società Campania	64.1	11.4	37.2
" Società Pugliese	88.2	35.2	46.3
	1.011.2	108.3	236.0

P.S. - From direct inquiries to the consumers it has been possible to ascertain the rythm in which the large consumers work at present and how they will be able to work in some months from now.

Such data are naturally subject to the availability of material for the necessary repairs, the raw material for production and the decisions to be taken by the Allied Authorities.

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Inclosure B

Requirements of direct consumers S.M.E.

Yearly KW Hours
Rythm of out-take

Year 1942	January 1944	In the course of 1944

(for names and tabellation consult Inclosure (Allegato B)

(1) The quantity of power which Alfa Romeo can absorb, certainly modest, may be considered comprised among the minor users.
(2) this is a question of consumption on the other side of the combat lines.
(3) this is a question of extraordinary supply outside the SME zone.

Inclosure C

Requirements large users of the "Naples Distribution" SME.

(for names and tabellation consult Inclosure C)

Inclosure D

Requirements large consumers of the Società Campania.

(for names and tabellation see Inclosure D)

Inclosure E

Requirements large consumers of the Società Pugliese

(for names and tabellation see Inclosure E)

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ALLEGATO B

FABBISOGNO DEGLI UTENTI DIRETTI S.M.E.

	Milioni di KW-ora annui		
	Anno 1942	Ritmo dei prelievi Genn. 1944	Nel corso del 1944
Alfa Romeo	7,2	=	= (1)
A.N.I.C.	3,5	2,2	2,2
Manifatture Cotoniere	8,4	1,=	3,=
Ilva	113,4	3,=	15,=
Celdit	15,8	=	= (2)
Officine di Bussi	58,4	=	= (2)
Montecatini & Crotone	311,9	25,=	25,=
Pertusola	53,=	=	15,=
FF.SS.- Napoli-Foggia-Sal.	90,8	=	20.=
" Salerno-Reggio	113,9	=	5,=
Ferr. Adriatico-Appennino	3,8	=	= (2)
Ente Autonomo Volturno	8,2	20,=	40,=
Soc. dell'Alta Italia	58,3 (3)	=	=
Utenti minori	1,9	1,=	1,=
	848,5	52,2	126,2
ANIC (in zona Pugliese)		2,2	2,2
Cotoniere (in zona Campania)		1,=	3,=
		49,=	121,=

(1) I quantitativi di energia che l'Alfa Romeo potrà assorbire certamente modesti si possono ritenere compresi fra gli utenti minori.

(2) Si tratta di utenza al di là della linea di combattimento.

(3) Si tratta di fornitura straordinaria fuori zona SME

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ALLEGATO C

FABBISOGNO GRANDI UTENTI DELLA "DISTRIBUZIONE NAPOLI - SME"

	Milioni di KW-ora annui		
	Anno 1942	Ritmo dei prelievi	
		Genn. 1944	Nel corso del '44
Molini			
Bizzarro	1,1	1,1	1,1
Improta	1,4	0,4	0,4
Savino	1,7	=	1,=
Barbato	0,6	0,6	0,6
Marzoli	1,1	=	=
Chioppetti	0,7	0,4	0,4
Totale molini	6,6	2,5	3,5
Cirio	1,4	0,6	0,6
Peroni	0,7	=	=
Jutificio Napoletano	0,7	=	=
S.A.M.I.T.	12,8	=	2,=
Acquedotto di Napoli	2,=	2,=	2,=
Cloro - Soda	15,8	=	=
Ossigeno ed altri Gas	1,9	=	=
Compagnia del Gas	1,6	0,6	1,2
Montecatini	1,=	=	=
Silurificio Italiano	6,=	=	1,=
I.M.A.M.	3,2	=	=
Ansaldo	7,2	=	=
Corradini	3,=	=	0,5
Navalmeccanica	7,3	0,5	3,5
Cantieri Metallurgici	1,=	=	0,2
Circumvesuviana	6,3	2,5	5,=
Cumana	3,4	2,=	3,=
Azienda Comune di Nppoli	10,6	2,=	6,=
Tramvie Provinciali	7,9	=	3,=
	100, 4	12,7	31,5

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ALLEGATO D

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FABBISOGNO GRANDI UTENTI DELLA SOCIETA' CAMPANIA

		Milioni di KW-ora annui		
		Anno 1942	Ritmo dei prelievi Genn. 1944	Nel corso del 1944
Esercizi Molini	-Torre A.	0,5	0,4	0,5
Gallo (Molino)	- " "	0,7	0,1	0,5
Filippone "	- " "	0,7	=	0,1
Searamella "	-Salerno	3,1	=	=
Fogliamanzillo (Molino)	-Torre A.	0,3	0,1	0,3
Gentile "	-Salerno	0,6	=	0,3
Rinaldi "	- "	0,8	0,4	0,8
Alterio "	-Torre A.	0,5	=	0,1
Voiello (Pastificio)	- " "	0,7	0,6	0,6
Gallo "	- " "	0,4	0,6	0,6
Buchy & Strangmann	-Salerno	1,3	=	=
Italcementi	- "	5,=	=	3,5
Calce e Cementi	-Castell.	0,6	=	0,5
Spolettificio	-Torre A.	1,4	=	0,3
Navalmeccanica	-Castell.	6,1	1,5	3,=
Cantieri Metallurg.	- "	6,2	0,4	3,6
Strade Ferr.Second.	- "	11,1	4,5	9,=
Tramvie Salernitane	-	5,3	1,5	4,=
Grandi utenti rete sud		48,3	10,1	28,=
Improta (Molino)	-S.Antimo	0,9	=	1,=
Amato "	-Caserta	1,=	=	1,=
Canapificio Barten.	-Frattamagg.	1,1	=	1,=
Accademia Aeronautica		0,7	0,2	0,4
Piedimonte d'Alife		3,3	=	2,5
Pirotecnico	-Capua	6,4	=	0,1
Energon	-Maddaloni	2,4	0,1	0,2
Grandi utenti rete Nord		15,8	0,3	5,2
Totale grandi utenti		64,1	10,4	34,2
Cotoniere (utente diretto Sme riportato in zona Campania)		=	1,=	3,=
		64,1	11,4	37,2

37,1

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ALLEGATO E

FABBISOGNO GRANDI UTENTI DELLA SOCIETA' PUGLIESE

	Milioni di KW-ora annui		
	Ritmo dei prelievi		
	Anno 1942	Genn. 1944	Nel corso del 1944
Molino Tamma - Bari -	0,8	0,8	0,8
" Pellegrino - Andria	0,9	0,9	0,9
" Capitanata - Foggia	0,9	0,1	0,1
" Sacco - Lucera	1,=	1,=	1,=
Cementerie Puglie - Modugno	6,3	0,5	6,=
" Meridion.-Barletta	1,9	0,2	1,5
Frigoriferi Com.di Bari	1,=	1,=	1,=
Tramvie di Bari	1,3	0,7	1,=
R.Saline Margherita di Savoia	1,5	1,5	1,5
Arsenale di Taranto	23,2	18;=	20,=
Difesa Marittima di Brindisi	1,9	1,9	1,9
Cantieri Tosi -(Taranto)	3,1	1,5	2,=
Acciaierie e Ferriere Pugliesi	4,6	2,5	3,5
Soc. Tarantina Ossigeno	1,=	=	0,5
Poligrafico dello Stato-Foggia	36,3	=	=
E.A.A.P.	2,5	2,4	2,4
	88,2	33,=	44,1
ANIC (riportata in zona Pugliese)		2,2	2,2
		35,2	46,3

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VSR/in

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works & Utilities Sub-Commission
APO 394

ACC/ /PWU

5 May 1944

Subject: Meeting with SME Representatives
Concerning Food Supply at Calore Plant.

To : Colonel Lapper.

1. Pursuant to your instructions, the writer yesterday visited Colonel Hensley, Public Utilities Officer, Region III, to determine the status of Food Supply to the SME workers at the Calore (San Mango) power plant. Your instructions were given me after Major P.J.Howe, Chief Engineer's Office, Headquarters Third District, C.M.F. had telephonically informed you that food scarcity was keeping about 70 men from working at the plant.

2. Colonel Hensley appeared surprised, and together we visited Doctor Mulligiene, who was busy, and who called Ing.Masturzo to his office to talk to us.

3. Ing.Masturzo made the following observations:

a. There are presently about fifty men on the job. About twelve of this number are mechanics moved there from Naples; the remainder are laborers, living nearby.

b. The SME is trying to supplement the workers' regular rations by purchasing food locally, at San Mango. They have experienced some difficulty in this but the number of workers on the job has not been limited because of food scarcity.

c. The men are all receiving the supplementary rations. There has been no difficulty at Avellino in arranging the normal rations for the workers sent up from Naples.

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d. The number of men on the job is believed sufficient by SME, and that confusion would result, if more were presently on the site. As the job progresses, an attempt will be made to recruit an additional number of skilled men.

e. There has been no request from British authorities on the job to provide more men.

f. About a week ago, Brigadier Foley, District 3, went to the job, and because it was raining at the time, found no men working. He was reportedly displeased, at the lack of workmen.

4. Colonel Hensley questioned Ing.Masturzo as to the nature of materials which had been furnished by military authorities and then informed him that all which had so far been sent to the job had been obtained through the efforts of himself, Colonel Hensley. Later, when informed that Brigadier Foley had visited the site, Colonel Hensley said that he "was through" with the job, and that hence forth he wanted no more to do with it; he said that he neither wanted to be a messenger boy, or a purchasing agent. It should be noted that Colonel Hensley's remarks about undesired occupations were made to me alone. I suggested to him that Brigadier Foley's organisation had been "allocated" the job of rehabilitating the plant, and that such an assignement explained his presence at the site.

VINAL S. RENTON
Major Infantry.

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HEADQUARTERS

ALLIED CONTROL COMMISSION

PUBLIC WORKS AND UTILITIES SUB COMMISSION.

A.P.O. 394

051

date 29/4/1944

Subject:- Short Report on Present Situation of Supply of Electricity in the APULIA Area.

To : Regional Commissioner Headquarters Region II MATERA.

noted 4 may 44

1. The Monthly allotment of Electricity by the Central Electrical Board for the APULIA Area is as under :-

APULIA Area	38,000 KW	
FOGGIA - BENEVENTO Railroad	4,000 KW	
BENEVENTO	1,750 KW	
CALORE	1,250 KW	
		45,600
Plus Line losses approx 8%		3,500
Total Allowed		48,500 KW

The towns of BENEVENTO and CALORE although not in the APULIA AREA are receiving their supply from the 150 KVA SILA-FOGGIA Line.

2. The present average maximums AM and PM for the whole of the above are :-

AM 38,000 KW between 0900 and 1100 hrs.
PM 42,000 KW between 2000 and 2100 hrs.

This favourable position has been brought about by the longer Daylight hours, and to the propaganda done by the Electrical Coy, and A.C.C. together with the Engineers of No 2 District.

3. In view of the fact that we may be called upon to supply energy to the North in the near future, a Decree has been published copy attached which restricts the use of energy in the whole of Kings Italy. The operation of the Decree will be the work of Italian Government Officials under A.C.C. Supervision.

The Provincial Commissions have been set up in the various Provinces and are already at work.

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

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The Provincial Commissions have been set up in the various Provinces and are already at work.

A precis of the Decree has been published in "La gazzetta del Mazzogiorno of the 25th April. This paper circulates in the whole of the APULIA Area. Manifesto's are in the course of preparation and will be prominently displayed in all communes and small towns.

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4. Capt L.W. Loughlin and Lt J.M.L. Butcher of the Public Works and Utilities Sub Commission are working with the CE of 2 District on the Power position in the APULIA Area and are responsible that the Decree is being correctly enforced. These officers are instructed to maintain close contact with H.Q. Region II.

J.M.L. Butcher Lt.,
for Lieut Col W.M. Lapper.,
Headquarters
Public Works and Utilities Sub Commission.

29/4/44

Copy to Capt Loughlin

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

Pol Counselor Italy Embassy Rome

Col. Lapper.

1. Capt Ryan has informed me

(a) That the SME Naples distribution employees were on strike this morning for more money. They have agreed to return to work ~~work~~ until Sunday, at which time all of the Naples employees will supposidly go out if their demands arn't met. One of the SME directors Told Captain Ryan. Captain Ryan says Col Hensley knows about the situation but that Captain Ryan hasn't seen him this morning yet. Captain Ryan doesn't know whether Region III or A.C.C. has done anything yet.

Col Ryan called Col Selvia Hensley re Naples Labor Problem

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

(a) That the SME Naples distribution employees were on strike this morning for more money. They have agreed to return to work ~~work~~ until Sunday, at which time all of the Naples employees will supposidly go out if their demonds arn't met. One of the SME directors Told Captain Ryan. Captain Ryan says Col Hensley knows about the situation but that Captain Ryan hasn't seen him this morning yet. Captain Ryan doesn't know whether Region III or A.C.C. has done anything yet. 136

(b) That there is some ~~trouble~~ trouble on the 60KV line feeding Agnano and Arnella. These subs are dead but their loads are being carried by the ~~60KV~~ 9KV Naples network. The high tension line crews are not part of the distribution crews, and are working to repair the ~~damage~~ trouble.

(over)

Brig. General Ral Sulmona
to call in Rome,
Italy

Col Hensley

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

Col. Cooley is there now.
I don't know the cause of
the trouble - may be last night's
bombing - ~~or~~ and I don't
know when the job will be
finished. Looks as if the
load can be carried without
~~lowering any~~ dropping any.

VBR.

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

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

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HEADQUARTERS
ALLIED CONTROL COMMISSION
INDUSTRY & COMMERCE SUB-COMMISSION
APO 394

JSET/jf1

Ref. ACC/5299/IC

18 April 1944

SUBJECT: Future demands for Electric Power

TO : Public Works and Utilities Sub-Commission
(Attn: Lt. Col. Lapper)

1. With reference to your ACC/051/PWU of 12 Apr., we have carefully noted its contents and give you an assurance that this sub-commission will notify you at the earliest possible date of any plans involving fresh demands of electric power for new operations by any industrial unit.

W. P. EVANS
Colonel
Director, Industry & Commerce
Sub-Commission

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

Econ Dept 7986

051/Rep

HEADQUARTERS
27 APRIL
A. C. C.

APRIL
27/0320
27/0320
1906/1
NONE

N2/27
NONE
IMPORTANT
11 CE WKS
ACC HQ CENTRAL ELECTRICITY BOARD
INFO HQWO FLAMRO

PWOU

FOR GCI CROWDEN. POWER LINE PIEDIMONTE MAPLE TESTED WITH AND WITHOUT NEUTRAL TO POGGIOREALE 1710 HRS 26TH. BREAKERS TRIPPED ON BOTH TESTS. TESTED TO VILLA S MARIA OK AND SUPPLY RETAINED. FAULT VILLA S MARIA TO POGGIOREALE. TESTING AGAIN AT 1200 HRS TO 1215 HRS APR 27 UNSUCCESSFUL AGAIN AT 1800 HRS TO 1810 HRS SAME DAY.

ACC DISTN

(ACTION) ~~CENT. ELECTRICITY BOARD~~ CENT. ELECTRICITY BOARD (2)

INF- D-C-C 1
- ECON SECT 1
- FILE 1
- FLOAT 1

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270/pc
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VSR/acb

30 APR [illegible]

ACC/051/FWU

27 April 1944.

Subject: Functions of Allied Control Commission in matters relating to Electricity Supply in Italy.

To : Chief Administrative Officer, Allied Armies in Italy.

1. Reference is made to the letter dated 15 April, 1944. File 2131/02 from the Chief Administrative Officer, Allied Armies in Italy, Subject: Central Electrical Board, containing proposed replies to the Vice Chairman, Central Electrical Board.

2. Detailed statements concerning the proposed replies follow:

Comment A - Reply concurred in.

Comment B - It is important that copies of all instructions issued to electric companies be sent to Allied Control Commission, firstly because one member of the Central Electrical Board is from that Headquarters, and secondly because information contained in many of the instructions will be necessary to the Allied Control Commission in the performance of its functions, relating to the rationing of electricity, operation costs and rate increases. It is therefore recommended that the reply to Comment B read as follows:

"The Central Electrical Board shall issue instructions concerning the generation of power at the various plants direct to the Electric Power Companies.
Copies of all instructions issued by the Central Electrical Board, irrespective of their nature, will be sent to the Allied Control Commission."

Comment C - The materials needed to rehabilitate electric power facilities are obtainable from one of the following sources:

a Frozen or controlled civilian stocks. These can be obtained with equal facility by the Allied Control Commission, or by the Central Electrical Board.

b Military Stores. The Allied Control Commission is in a position to arrange for the release of materials in military stores and has in fact been carrying out this function.

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c Imported Material. Imported material has, and is being ordered by the Allied Control Commission; the procedure for handling such orders has been established, and is functioning smoothly. The Allied Control Commission, through its regional representatives, is able to receive requests for materials directly from power companies.

Frequently, the regional representative is able to obtain the needed material. Otherwise the request is referred to this Headquarters. It is pointed out that this Commission has regional representatives throughout Italy, Sicily and Sardinia; and any matters of a technical nature are referred to this Headquarters.

The importance of having all requests for materials come to one agency are self evident.

In view of the established ordering procedures, and the usefulness of regional organizations in matters of this kind, it is believed that the Allied Control Commission is the agency best fitted to perform this function. The recommended reply to Comment C follows:

"Inasmuch as the Allied Control Commission has local representatives in the field, in Sardinia and Sicily as well as in Italy, and inasmuch as a large amount of the material needed will have to be ordered through that Commission, it is desired that the electric companies make all their requests for materials direct to the Allied Control Commission organization."

Comment B - Reply concurred in. It is agreed that all instructions concerning the rehabilitation of electric power facilities as well as matters of policy should be passed through the Allied Control Commission.

Comment A - Concurrence is expressed with the reply. However, in order that the Allied Control Commission may be kept fully informed, it is desirable that copies of all reports made by the companies to the Central Electrical Board be sent to this Commission.

NOEL MASON MACFARLANE,
Lieutenant General,
Chief Commissioner. 132

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

Subject: Transport - Tyres for Public Utility Coys.

14 C.E. Works,
No.2 District,
Tele:No:12589,
CE/710/7.

22nd Apr 44.

A.C.C.
Industry - Commerce Sub Commission (Lt.Col.Reiter).

1. Public Utility Companies working under our direction have, in the main, been using their own transport for supervision and haulage of materials.

2. Efforts have been made to obtain for them replacement tyres, tubes, and batteries from WD sources, without success.
Q(AE) AAI have ruled that "as provision of tyres and tubes is based on the number of vehicles as given by Census, it is impossible to meet demands for civilian vehicles from W.D.stocks. Demand in question and any future demands for tyres for civilian vehicles will therefore be refused."

3. The position is becoming increasingly serious and unless something is done in the near future a breakdown of Public Services is inevitable.

4. Attached please find details of immediate requirements. Can you assist in procuring these MT stores ?

Dixon

Brigadier,
Chief Engineer.

AJH/KS.

Copy to:- D.D.W., A.A.I. (Adm. Echelon).

Subject :- Central Electrical Board.

4443

Headquarters,
Allied Armies in Italy,
C.M.F.
2181/Q2. 051
15 Apr. 44.

H.Q., Allied Control Commission.

The following comments have been received from Vice Chairman, Central Electrical Board, on para 4 of the Minutes of the meeting of A.F.L.R.(I) Board on 10 Apr.44. Underneath each comment is given the reply which it is proposed to address to the Board. It would be appreciated if you would say whether these replies have your agreement.

Comment "A"

The effect of this paragraph depends upon what is included in the phrase "matters of policy". It obviously does include pay and feeding of labour, which the A.C.C. has undertaken to handle satisfactorily. Is this purely a matter to be handled by A.C.C. or is the Central Electrical Board entitled to issue policy directions with respect to this matter? As I understood the discussion, this would be exclusively an A.C.C. affair.

Reply. You are correct in saying that questions regarding the pay and feeding of labour will be handled by the Public Utilities Sub Commission, A.C.C. If the Central Electrical Board desires to see a change on any matter of policy in connection with labour it should address its requests to the above Sub Commission. It would not be proper for the Board to issue a "policy direction" to the A.C.C., firstly because it is not in a position to do so, and, secondly, because any such direction would be liable to have an implication in regard to labour generally.

Comment "B"

The Central Electrical Board has heretofore issued instructions direct to the Electric Power Companies as to the generation of power at the various plants. This has so far been a very minor factor, although it will be increasingly important during the dry season. Should these instructions henceforth be issued through A.C.C. or directly by C.M.F., as at present?

Reply. It is correct that the Central Electrical Board shall issue instructions regarding the generation of power at the various plants direct to the Electric Power Companies. Copies of any important instructions in this regard should be sent to

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

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Reply. It is correct that the Central Electrical Board shall issue instructions regarding the generation of power at the various plants direct to the Electric Power Companies. Copies of any important instructions in this regard should be sent to the Public Utilities Sub Commission, A.C.C.

Comment "C"

The maintenance of existing plants involves primarily procuring certain essential supplies. All such supplies available locally have been requisitioned by the Armed Services, and are released only after approval of the Services with respect to certain items, or the A.P.L.R.(I) Board with respect to other items. The Central Electrical Board now acts as sponsor for the Power Companies in requesting release of such items. Should all such requests be made through A.C.C. or through the C.E.B. as at present? With regard to items required for the maintenance of the power system which must be imported, before the formation of the Central Electrical Board, the A.C.C., through its Electric Power Mission, demanded many of such items (none of which has been delivered).

Cont/...Sheet 2...

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

When the Central Electrical Board was formed the Electric Power Mission was dissolved. The C.E.B. assumed that it would act as a sponsor for the Power Companies and that all demands for imported material would be placed with the military and civil supply services by it. Should such demands in the future be handled by A.C.C. or C.E.B. (ref para 6(d) of Adm Instr No.27)?

Reply The Central Electrical Board is the correct authority for requesting from the Armed Forces release of supplies. This function was specifically assigned to it by its constitution. It is the only body on which the Services are represented by qualified technical representatives. The Services would not recognise a request emanating from any other source. It is presumably important that all proposals for the release of such supplies should be examined in detail by technical experts. The Board is best qualified to carry out such an examination and is, therefore, empowered to receive requests from the Electric Power Companies and to investigate them. In brief, the demands to which you refer will be handled by the C.E.B. If they are to be met from civil sources the request for their release will be made by C.E.B. to A.C.C.

Comment "D"

The Central Electrical Board is required to allot work of repair and rehabilitation of the Electric Power facilities as between the civil and military engineer agencies. Where Allied Forces assistance is required the C.E.B. has recommended to the C.A.O. that this work be allotted in accordance with its best judgement as to which agency is best equipped to do the work. Where no Allied Forces assistance has been required, the C.E.B. has instructed the Power Companies directly to proceed with such repairs. Should all such instructions in future be given by A.C.C?

Reply It was agreed at the meeting that such instructions should be issued to the A.C.C. Should experience prove that this procedure involves unnecessary delay without compensating advantages, A.C.C. will then agree that instructions may pass direct from the Board to the Companies.

Comment "E"

The Central Electrical Board is required to make plans for the supply of power in the territory now under Allied control, or which will be presently under Allied control. These plans must be based upon an intimate knowledge of the Italian power systems and upon studies as to how they can best be utilized, with

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

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Reply The arrangements which you describe in regard to planning should continue.

W.D. Robertson

Major-General
Chief Administrative Officer

129
130

BHR/emb.

Copy to:- A.F.L.R.S.

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

COPY.

COPY NO. 20

140

HQ AAI (REAR ADM ECH)
LOCAL RESOURCES SECTION
C.M.F.

REF: - 3/2/LR

10 APRIL 1944

ALLIED FORCE LOCAL RESOURCES (ITALIAN) BOARD

MINUTES

1. The ninth meeting of the Board was held at 11.00 hours on MONDAY, 10 APRIL 44, in the Conference Room, HQ AAI (Adm Ech).

Present:- CAO, HQ AAI (Adm Ech). - Chairman
D/CAO, HQ AAI (Adm Ech)
Vice-Chairman (Br)
GOC, No. 3 District.

Representatives of:- CG, PBS.
GOC, No.2 District.
RN (FOWIT)
DQMG
ACC
AAFSC/MTO
214 Gp. RAF (Adv HQ)

In Attendance:- CE, HQ AAI.
Vice-Chairman, Central Electrical Board.
DDL, HQ AAI (Adm Ech).
Chairman, Labour & Wages Control Committee.
Chairman, Electric Power Committee.

2. Recommendations of the Labour and Wages Control Committee on the question of the increase in the food ration to Italian heavy workers, arising out of the proposals made by HQ ACC (Appendix "A" attached), were considered. The Chairman stated that the Board was concerned with labour employed by or for the Armed Forces and that it was not concerned with labour not employed by or for the Armed Forces. There are two things which are required:-

(a) The Armed Forces require contented, willing and

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

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Vice-Chairman (Br)
GOC, No. 3 District.

Representatives of:- CG, PBS.
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(a) The Armed Forces require contented, willing and industrious workers.

(b) ACC require a stable economic set up in Italy.

These two requirements may conflict. If they do, the Armed Forces must take priority.

3. ACC stated that their main object was to get uniformity of food and wages of all labour throughout the territory .

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

ACC considered that if the food was issued through normal alimentation channels, it would be consumed by the labourer for whom it is intended.

4. The general opinion of the employers of labour for the Armed Forces was that in view of the probability of more labour being required by private industry and of the disadvantages suffered by the employees of the Armed Forces, such as:-

(a) Travelling long distances
(b) Non-entitlement to certain insurance benefits
(c) Uncertainty of continued employment
(d) Wprking on Sundays and public holidays

some regular inducement must be given to these employees and to provide an incentive to these employees to work for the Allies rather than for civilian employers. The only real incentive yet put forward has been midday meal which it was recommended should be retained.

5. The principle was accepted by the ACC that there should be some differentiation between the ration issued to civilian labour employed by the Allied Armed Forces and that issued to civilian labour not employed by the Armed Forces. ACC agreed that this extra ration should consist of bread and dehydrated soup, which, while it would not be on the present scale for issue for the midday meal, would be of sufficient quantity and quality to ensure the necessary degree of differentiation. ACC would submit their amended proposals and the Labour and Wages Control Committee were instructed to examine these proposals in detail in consultation with representatives of ACC and Service employers of labour and submit their recommendations to the Board.

6. The Labour and Wages Control Committee were also instructed to examine the classification of employees having regard to the fact that wheras uniformity was desirable as a principle, some departure from rigid adherence to this principle might be unavoidable for the present. There are three kinds of workers, as follows:-

(a) Those who are employed by the Allied Armed Forces, either

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

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(a) Those who are employed by the Allied Armed Forces, either

(i) directly,

or (ii) by contractors who in turn are employed 100% by the Armed Forces,

or (iii) by contractors etc. who are employed less than 100% by the Armed Forces, e.g. public utilities.

(b) Those working for the war effort, other than in (a) (i), (ii) and (iii).

(c) Those not working for the war effort.

The case of those workers falling under category (a) (iii) above should receive special consideration by the Labour and Wages Control Committee, and the necessary qualifications,

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

entitling civil labour so employed to benefit by any extra ration, should be determined.

7. The Chairman emphasised that once agreement has been reached, all Armed Forces must respect the conditions and do nothing, save in cases of grave operational necessity, to augment the ration scale from service sources. These proposals should apply also to the Army areas and combat zones and instructions to this effect will be issued through Command channels.

8. The position with regard to the labour situation in Electric Power Companies was considered. A survey is now being made by ACC to determine the comparative position of labour employed by electric power companies with that employed by other industries and utilities. The Board emphasised that both Electric Power and other Public Utility Companies are vital to the Armed Forces. ACC informed the Board that satisfactory steps were being taken to assure a constant supply of contented workers for the Electric Power Companies and that there would be no labour troubles there. Special Consideration is being given to those workers who are required to leave their homes to go forward areas. A report of the survey will be submitted to the Board when it is completed. It was decide that this matter would be left in ACC's hands, but that that it was most desirable that great attention be paid to the situation during any advance of the Armies.

9. The functions of the Central Electrical Board are not in doubt; its directions on matters of policy must be conveyed to the Electric Power Companies by an agency which would also see them carried out. ACC were prepared to perform this function through the Public Utilities Sub-Commission and this offer was accepted.

10. The question of providing the small staff of the Central Electrical Board was discussed. As AFHQ had directed ACC to furnish thisstaff, the Executive Commissioner ACC agreed to look into the matter immediately with a view to meeting the demand.

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

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

VSR/mc

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

ACC/051/PWU

22 April 1944

Subject: Functions of Allied Control Commission in Matters Relating to Electricity Supply in Italy.

To : Vice Chairman, Economic Section.

1. Reference is made to the letter dated 15 April, 1944, File 2131/Q2 from the Chief Administrative Officer, Allied Armies in Italy, Subject: Central Electrical Board. It is strongly recommended that a reply, signed by the Chief Commissioner, Allied Control Commission, be made to the Chief Administrative Officer, Allied Armies in Italy, to read substantially as follows:

(Make reference to Chief Administrative Officer's letter dated 15 April, 1944).

The Allied Control Commission is deeply interested in matters involving electricity in occupied Italy and appreciates the opportunity of considering the proposed replies to the Central Electrical Board, concerning contemplated policy.

Detailed statements concerning the proposed replies follow:

Comment A - Reply concurred in.

Comment B - It is important that copies of all instructions issued to electric companies be sent to the Public Works and Utilities Sub-Commission, Allied Control Commission, firstly because one member of the Central Electrical Board is from that Sub-Commission, and secondly because information contained in many of the instructions will be necessary to the Allied Control Commission in the performance of its functions, relating to the rationing of electricity, operation costs and

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

rate increases. It is therefore recommended that the reply to Comment B read as follows:

"The Central Electrical Board shall issue instructions concerning the generation of power at the various plants direct to the Electric Power Companies. Copies of all instructions issued by the Central Electrical Board, irrespective of their nature, will be sent to the Public Works and Utilities Sub-Commission, Allied Control Commission."

Comment C - The following reply is recommended:

" The Allied Control Commission, through its regional offices is presently ordering materials needed for the maintenance and repair of essential civilian industrial facilities, including electric power. It is believed that this is a function which should continue to be performed by the Allied Control Commission. Machinery, which should prove to be highly efficient, has recently been created within this Commission for ordering, receiving and paying for such material. This Commission is fully capable of obtaining materials frozen by the services. If it is necessary for such materials to be imported, requisitions pass from this headquarters to the Military Government Section in Allied Force Headquarters, thence directly to the War Department, Washington, where they are referred to the Combined Civil Affairs Committee. The orders are then placed on British, or American manufacturing firms. This procedure is shorter than the usual military channels, and it is hoped that ordering materials for power plants will be treated in the same manner as for any other type of industrial facility, and that the Allied Control Commission will be instrusted with that responsibility. This Commission has on its staff personnel competent to pass upon requests for material required in electric power facilities. Furthermore, it is believed that the mechanics of receiving and paying for this materials can best be handled by the Allied Control Commission."

Comment D - Reply concurred in. It is agreed that all instructions concerning the rehabilitation of electric power facilities as well as matters of policy should be

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

passed through the Public Works and Utilities Sub-Commission, Allied Control Commission.

Comment E - Concurrence is expressed with the reply. However, in order that the Allied Control Commission may be kept fully informed, it is desirable that copies of all reports made by the companies to the Central Electrical Board be sent to this Commission.

L.A. JENNY,
Lt.Col. C.E.,
Director.

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

Subject: Electricity Supply - Campobasso Area.

288 Works Section RE
Ref: 32/125
8 Apl 44.

Major Foden,
AMGOT, Campobasso.

With reference to your enquiries and further to my 32/66 of 1 Apl, the attached copy of Chief Engineers letter CE 1506/1 dated 5 Apl is passed to you for information.

Major RE
O.C. 288 Works Section RE

Refers to materials for repair of 250 KVA transformer at Presenzano power station. Completion of repairs will render an additional 1250 KVA available.

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

Subject: Electricity Supply - Campobasso Area.

11 C.E. Works
Eighth Army
CE 1506/1
5 April 44

DDW HQ A.A.I.
Adv Adm Ech CMF

Copy to : 156 CRE(Works)
C.C. 288 Works Section,RE

The attached is passed to you for the C.E.B. who will no doubt decide on the policy and deal direct with the S.M.E. on the matter

?????????? Major,RE
for Colonel
11 C.E. Works
Eighth Army

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

C.

Subject: Electricity Supply - Campobasso Area.

156 CRE (Works)
EIGHTH ARMY, CMF.
Ref; E/102/3
4 Apr 44.

11 CE Works, 8th Army.

Copy to: O.C. 288 Works Section RE

1. Attached copy of 32/66 dated 1 Apr 44 from 288 Works Sec is forwarded for information and any action you consider necessary.

2. No action has been taken by this HQ as it is understood work of this kind is controlled by CEB.

Sgd. John R Stewart Capt.
Lt.Col. RE
Commander.

Field
JRS/LB.

516/2 13

Subject: Electricity Supply CAMPOBASSO Area.

288 Works Section RE
Ref: 32/66
1 Apl 44.

156 CRE (Works) (Main Page)

The Electricity Supply in this area is limited owing to so many of the generating stations being demolished by the enemy.

The civilian electricity organisation in conjunction with AMG and ourselves are doing all possible to increase the supply and repair as many of the stations as possible.

At one station on the River Biferno known as PRECETTORESSA Station H 5846 there are two generating sets which are now both in running order, one set is 350 and the other 250 KVA.

Two transformers 10[illegible]0/20,000 Volts are also in this station, but one is U/S and the serviceable one is only capable passing through the output of one generator (350 KVA).

The civilians can repair the U/S one if the following materials can be made available, and the time to repair would only be a week to 10 days.

This would mean that an additional 250 KVA would be available for this area.

If you consider it worth while from a Military viewpoint, could the materials as listed below be made available so as repairs may be put in hand.

Cotton tape (plain)	30 mm wide	-	1500 metres.
Insulating tape	30 mm wide	-	300 metres.
Insulating varnish (yellow)		-	5 kg.
Heavy quality paper 1 M x 1 M x 1 mm		thick	- 6 sheets.
Solder		-	1 kg.
Soldering flux		-	1 kg.

Major RE

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

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W.L. Monteith Major RE
O.C. 288 Works Section RE.

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WLM/TH

Copy to: Major Foden, AMG.

Capt Cook

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

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

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

VSR/mc

14 April 1944

ACC/051/PWU

Subject: Order to Rehabilitate Pescara - Frattamaggiore and Pescara - Foggia Transmission Lines.

To : Colonel Lapper.

1. I have heard that the SME company has recently been told by the Executive Vice Chairman, Central Electrical Board, to rehabilitate the Pescara - Frattamaggiore, and Pescara - Foggia transmission lines. I do not know whether this order was oral, or written, nor do I know the date on which it was given.

2. There is some reason for the rehabilitation of these lines, provided that sufficient conductor remains to do the work, for if the lines can be reenergised, there is less possibility of theft of the conductors and towers. In view of thefts of wire which recently occurred near Villa Literno, I am wondering whether it might not be a better idea to salvage whatever conductor is available since a considerable period will elapse before the lines can be energised.

3. My main point, however, is that there is a strong possibility that this order was given without the approval or knowledge of the entire Central Electrical Board. If this be the case, there will be similar unauthorized orders issued in the future. Since the Central Electrical Board is intended as a planning body, and since orders issued should have the sanction of the board, it is recommended that:

(a) Inquiry be made at the next board meeting as to whether any unauthorized orders have been issued by any member of the board to rehabilitate the Pescara - Frattamaggiore, and Pescara - Foggia transmission lines and that a motion be made that at each meeting a written report be submitted by the Executive Vice Chairman of the Board detailing all executive action taken by him since the previous meeting.

VSR

VINAL S. RENTON
Major Infantry.

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

Title Liaison Group

ALLIED MILITARY GOVERNMENT
REGION IX

HEADQUARTERS (NUCLEUS)

To:- Public Works & Utilities S.C., 9th April 1944.

From:- Acting Regional Commissioner.

Reference:- R.IX/32/HQ/9

Subject:- Decree Regulating Electric Energy Consumption.

In view of the fact that this Region is being dis-banded, it is felt that the retention of all the copies of the above-mentioned decree received by this Headquarters, is unnecessary. One copy has been retained for record purposes, and the remainder are returned herewith for re-distribution as necessary.

For LT COL EDGAR O. HOBBS, A/R.C.

Duane D. Freese
DUANE D. FREESE
Capt C.M.P.

Lt Col Lapper
Send an example of the conversion that might arise in the Reece as not made to conform with this

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

ALLIED MILITARY GOVERNMENT
REGION IX

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DUANE D. FREESE
Capt C.M.P.

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

6191

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works & Utilities Sub-Commission
APO 394

VSR/in

ACC/060/PWU

6 April 1944

Subject : Transmittal of Decree Regulating Electric Energy Consumption.

To : V. P. Economic Section.

1. Transmitted herewith for your information are copies of a decree, signed by the King of Italy, entitled Regulations Concerning the Limitation in the Consumption of Electric Energy.

2. Additional copies of the decree are available from the Public Works and Utilities Sub-Commission, Headquarters Allied Control Commission. A.P.O. 394.

L. A. JENNY
Lt. Col. C.E.
Director.

Distribution : Deputy Director of Works, A.A.I. (12)
Central Electrical Board, A.A.I. (6)
Headquarters, all A.C.C. Regions. (12)
Commanding General, Peninsular Base Section. (12)
Headquarters, No.2 District (12)
Headquarters, No.3 District (12)

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7 apr.
34

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

FILE 19

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

VSR/mc

ACC/051/PWU

12 April 1944

Subject: Future Electricity Requirements.

To : Industry and Commerce Sub-Commissio.

1. As the rehabilitation of industry in occupied Italy continues, an increase is anticipated in the number of essential civilian establishments which will require electric power.

2. Many of the facilities for providing this power have been damaged through enemy action, and as a result electric power companies are, in many instances, operating with equipment nearly fully loaded.

3. This means that it is becoming increasingly difficult to supply new customers through the closing of an electric switch. It means that the needs of the new customer must be examined in comparison with the needs of existing users; it means that checks must be made to determine whether heavily loaded equipment can stand the additional burden; it may mean devising methods of feeding a particular important customer, yet preventing other less essential users in the area from obtaining power; it may means that a justification has to be prepared for additional equipment, and in that case, waiting until the equipment arrives at the point of use.

4. At the present time, the Public Works and Utilities Sub-Commission is engaged in a program of electricity control, designed to conserve electricity as much as possible. In order that it carry out this program most effectively, it is essential that the Sub-Commission be notified as soon as possible of any plans involving the resumption of operation of any plant requiring electricity.

W.M. LAPPER, 115
Lt.Colonel,
Chief El.and Adm.Div.

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

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

LAJ/mc

ACC/051/PWU

12 April 1944

Subject: Utility Rates.

To : Lt.Col. Lapper.
" " Laboon.

Please have your latest questionnaires in english and italian mimeographed and prepare letters to all companies who have submitted requests for increases, indicating how they are to fill in these questionnaires, the period they must cover, and to whom they are to be sent. This letter should be a standard form mimeographed with space to fill in name of Co, period, etc.

L.A. JENNY,
Lt.Col.,C.E.,
Director.

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

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

WML/cw

11 April 44.

TO WHOM IT MAY CONCERN

This is to certify that Eng. Maglione Girolamo of late Tommaso, living in Naples - Via Alessandro Manzoni 47, provided with the identity card N. 922705, issued by Naples City on September 20th, 1943, has to travel within the territories of Foggia, Pescara and Campobasso provinces in order to keep in touch with the Boards of the Union of the electrical undertakers set up in the different towns of those provinces.

Eng. Maglione is one of the directors and member of the management Committee of said Union.

Eng. Maglione is also central manager of the Southern Electrical Company, which controls the said Union.

As Eng. Maglione moving from one town to another will likely be obliged to drive during the curfew hours request is also made for a permit thereof.

L. A. JENNY.
Lt. Coll. C.E.
Director.

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

To Whom it May Concern

This is to certify that eng. Maglione Girolamo of late Tommaso, living in Naples - Via Alessandro Manzoni 47, provided with the identity card n. 3227705, issued by Naples City on September 20th, 1943, has to travel within the territories of Foggia, Pescara and Campobasso provinces in order to keep in touch with the Boards of the Union of the electrical undertakers set up in the different towns of those provinces.

Eng. Maglione is one of the directors and member of the management Committee of said Union.

Eng. Maglione is also central manager of the Southern Electrical Company, which controls the said Union.

As eng. Maglione moving from one town to another will likely be obliged to drive during the curfew hours request is also made for a permit thereof.

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

This is to certify that eng. Maglione Girolamo of late Tommaso, living in Naples - Via Alessandro Manzoni 47, provided with the identity card n. 8227705, issued by Naples City on September 20th, 1943, has to travel within the territories of Foggia, Pescara and Campobasso provinces in order to keep in touch with the Boards of the Union of the electrical undertakers set up in the different towns of those provinces.

Eng. Maglione is one of the directors and member of the management Committee of said Union.

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As eng. Maglione moving from one town to another will likely be obliged to drive during the curfew hours request is also made for a permit thereof.

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

HEADQUARTERS
REGION 3, ALLIED CONTROL COMMISSION
APO 394, US ARMY

3 April 1946

MEMORANDUM:

TO : Public Works Sub-Commission, ACC HQ
Attention: Colonel Jenny

THRU : Regional Control & Military Government Section
ACC HQ

Attached are instructions sent 30 March 46 to SMA concerning advances to workers.

CHARLES POLETTI
Lt. Colonel
Regional Commissioner

ENCL 1
Letter to SMA
30 March 1946

How is expenditure to be treated in rate problem? I assume it will not be allowed except the 1000 mark granted — ? [illegible] 4/6/46

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

HEADQUARTERS
REGION 3, ALLIED CONTROL COMMISSION
APO 394, US ARMY

3 April 1944

30 March 1944

True Copy

ALLA SOCIETA MERIDIONALE DI ELETTRICITA
Via Paolo Emilio Imbriani 13
Napoli

ALLA CONFEDERAZIONE DEL LAVORO
Napoli

I seguenti articoli esprimono i nostri accordi:

1. Le somme di denaro anticipate finora ai lavoratori sotto forma di generi alimentari non saranno rimborsate alla compagnia fino a nuovo ordine.

2. La compagnia concedera' un prestito di Lire 2000 (lire duemila) a ogni dipendente fino a concorrenza dello importo del quale la compagnia fornira' generi alimentari in qualsiasi epoca del periodo di tempo tra il primo aprile e il prossimo 31 maggio. Il rimborso di questo prestito non avra' inizio fino a nuovo ordine.

3. Nessun altro prestito, anticipazioni, o credito sotto nessuna forma dovra' essere concesso. Il precedente accordo raggiunto per il prestito di lire 1000 ai dipendenti ammogliati e di lire 500 ai dipendenti scapoli per cibo da essere fornito attraverso la cooperativa e' reciso ed annullato.

4. Qualsiasi sciopero o arresto nel lavoro e' proibito.

CHARLES POLETTI
Lt. Colonel
Regional Commissioner

CPETT

TRANSLATION #456

To Societa Meridional e di Elettricita, Naples

To: Workers Confedera tion

The following articles cover our agreement :

I. Advances made to workers u nder the form of food , will n109 be repaid to the Company unt il further order.

2. The Company will grant a loan or 2,000 (two thousand) Lire to each employee and up to th is made it will supply food to them between April Ist and May 30 . thes loans will not be repaid till further order.

3. No other loan, advance o r credit must be made. The previous agreement concerning the or 1,000 lire to married personnel and 500 lire to unmarri ed loan cover food to be supplied through the Company Cooperativ e ones to /

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

HEADQUARTERS
ALLIED CONTROL COMMISSION
REGION 2

Ref: / /

20 March 1944

SUBJECT: - Reggio Electric Power Plant operation

TO : - Lt.Col. McCaffrey

1. During the month of January 1944 the Reggio Plant used 75 tons of fuel oil and produced 44.000 kwh this represents an efficiency of about 5% which is considered very low.

2. In Sept.1943 when the plant wos put into operation a test showed that 2 pounds of fuel oil were required to produce 1-kwh the boiler evaporated (10.000) pour ds of water per hour.

3. On this basis the plant should not have used more than about 45 tons of fuel oil in producing the 44.000 kwh.

4. Unless this plant is nenessary for some reason, which is unknown tous it should be shut down.

5. Information, now available, indicates that sufficient eletric energy can now be sent to the south at Italy from the Sila plants with the result that the power produced from the Reggio plant is not now required from an energy production stand point.

6. The Reggio plant wos subjected to a bomb hit during the fighting in that area. One boiler wos completly demolished the other boiler wos repaired and after making some repairs to the electric plant equipment the power plant was started up on Sept. 25, 1943 and hos, apparently, been operating since.

7. The generator is a 750 KVA steam turbino driven unit.

8. The above information will permit a chcek to be made at the situation.

W. W. Laughlin. 108
Capt. Spec. Res.

DITTE IN POSSESSO DI IMPIANTI TERMICI PER LA PRODUZIONE DI ENERGIA ELETTRICA
(IMPIANTO DA 50 KW IN SU)

N° d'ordine	D I T T A	LOCALITA'	Tipo del motore	Potenza istallata KW	Esiste collegamento con la rete esterna	N O T E
	PROVINCIA DI L E C C E					
1	Prima Spremitura Triestina	Maglie	a gas	50	si	
2	" " "	"	"	75	si	
	PROVINCIA DI B R I N D I S I					
1	DE MARZO Zonda e Di Summa	S.Pietro V.	Diesel	50	si	
2	" " "	"	"	50	si	
3	" " "	"	"	115	si	
4	R.Marina - Difesa -	Brindisi	--	--	--	
	PROVINCIA DI T A R A N T O					
1	Cantieri Navali Tosi	Taranto	Diesel	300	si	
2	" " "	"	"	150	si	
3	" " "	"	"	150	si	
4	Costa Giacomo	"	a vapore	270	si	
5	" "	"	"	200	si	
6	" "	"	"	110	si	
7	Raffo Nicola	"	Diesel	180	si	
8	" "	"	"	90	si	
9	R.Marina - Arsenale -	"	--	--	--	
	PROVINCIA DI F O G G I A					

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

1	Prima Spezzitura Triestina	Maglie	a gas	50	si
2	" " "	"	"	75	si
	PROVINCIA DI B R I N D I S I				
1	DE MARZO Zonda e Di Summa	S.Pietro V.	Diesel	50	si
2	" " "	"	"	50	si
3	" " "	"	"	115	si
4	R.Marina - Difesa -	Brindisi	--	--	--
	PROVINCIA DI T A R A N T O				
1	Cantieri Navali Tosi	Taranto	Diesel	300	si
2	" " "	"	"	150	si
3	" " "	"	"	150	si
4	Costa Giacomo	"	a vapore	270	si
5	" "	"	"	200	si
6	" "	"	"	110	si
7	Raffo Nicola	"	Diesel	180	si
8	" "	"	"	90	si
9	R.Marina - Arsenale -	"	--	--	--
	PROVINCIA DI F O G G I A				
1	R. Saline	Margher/S.	Diesel	300	si

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PRINCIPALI DATI CARATTERISTICI DEI PIU' IMPORTANTI IMPIANTI TERMICI DELLA PROVINCIA DI B

IMPIANTO	POTENZA MAX PRODUCIBILE A CARATTERE CONTINUO	IMPIANTO EFFICIENTE = E PARZIALMENTE EFFICIENTE = P.E.	COMBUSTIBILE USATO E CONSUMO NELLE 24 ORE PER FUNZIONAMENTO A PIENO CARICO	SCORTE COMBUSTIBILE	SE ENERGIA PRODOTTA E' CONVOGLIABILE SU NOSTRA RETE A.T. e B.T.	ALIMENTATORI IN CUI L'ENERGIA PR
A N I C - BARI -	~3 000 KW.	E.	Nafta o carbone polverizzato: Nafta ~Ton. 10	Ton 7000 Nafta (sette. 1943)	si - a 9 KV su sbarre S/S Bari - Sud	Linee A.T. in partenza
ACCIAIERIE E FERRIERE PUGLIESI - BARI -	~ 700 KW.	P.E.	Sansa esausta: Sansa ~Ton. 50	Nessuna	si,- a 9 KV su sbarre S/S Bari - Sud	Linee A.T. in partenza
PRIMA SPREMITURA DI OLIO TRIESTINO - BARI -	~ 200 KW.	E.	Sansa esausta ~ Ton. 40	Quantita' minima	si - A.T.	Su sbarre cabina Fiera
SOC.ANONIMA MONTECATINI E REPARTO TARTARICO - BARLETTA -	~ 350 KW.	E.	Cardiff o Vinaccia esausta mista a carbone:Solo Cardiff ~Ton.14 : 15 misto ~Ton.30	Nessuna	si - B.T.	Si immette sulla rete I Necessita un trasforma
SOCIETA' NAZIONALE SPIRITI - BARLETTA -	~ 60 KW	E.	Combustibile misto di vinaccia esausta, senza esausta, carbone Cardiff: ~ Ton. 33	Nessuna	si - A.T.	Si immette sulla rete a E' da notare che tratta a 18 KV su cui si immett da impianti Montecatini. I due impianti generator in parallelo.-
DITTA TATO' - BARLETTA -	~ 30 KW	P.E.	Nafta ~ Kg.700	Nessuna	si - A.T. con costruzione di breve tratto di linea B.T.	Linea a 3 KV dell'anello
ITALCEMENTI - MONOPOLI -	~ 700 KW	E.	Sansa esausta ~ Ton. 50	Nessuna	si - A.T.	Linea 18 KV Monopoli
ACCIAIERIE E FERRIERE - GIOVINAZZO -	~ 575 KW	1 E. - 3 P.E.	Nafta ~ Ton.4	Nessuna	si - A.T.	Linea 18 KV Giovinazzo

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TERMICI DELLA PROVINCIA DI BARI COLLEGABILI ALLE NOSTRE RETI

ENERGIA PRODOTTA E' VOGLIABILE SU NOSTRA E A.T. e B.T.	ALIMENTATORI IN CUI PUO' IMMETTERSI L'ENERGIA PRODOTTA	N O T E
- a 9 KV su sbarre S Bari - Sud	Linee A.T. in partenza da Bari - Sud	Vi sono istallati 2 turbo-alternatori da 2400 KW ciascuna. Il massimo carico a carattere continuo e' limitato a 3000 KW per i servizi ausiliari e le vie di fumo.- Quali?
,- a 9 KV su sbarre /S Bari - Sud	Linee A.T. in partenza da Bari - Sud	Vi e' un altro turbo-alternatore da 700 KW che va in parallelo col primo.- Pero' le caldaie sono sufficienti per il funzionamento continuo di un turbo.-
- A.T.	Su sbarre cabina Fiera 1 - rete cavi Bari.	Vi e' un secondo turbo-alternatore della stessa potenza (200 KW) che non va in parallelo con l'altro.- Anche le caldaie non sono sufficienti per il funzionamento dei due turbo.-
si - B.T.	Si immette sulla rete 18 KV di Barletta.- Necessita un trasformatore 18/05 KV.-	Nello stabilimento vi e' un altro macchinario per la produzione dell'energia.- Ma le varie generatrici non vanno in parallello.- Si e' assunta come utilizzabile sulle nostre rett la potenza della maggiore generatrice.-
si - A.T.	Si immette sulla rete a 18 KV di Barletta.- E' da notare che trattasi della stessa derivazione a 18 KV su cui si immetterebbe l'energia prodotta da impianti Montecatini.- I due impianti generatori pero' non possono andare in parallelo.-	Vi e' anche un altro impianto generatore della stessa potenza che non va in parallelo con quello prescelto .- Il consumo di combustibile comprende anche quello per la produzione del vapore per l'industria.-
si - A.T.	Linea a 3 KV dell'anello di Barletta.-	---- ----
n costruzione di breve atto di linea B.T.		
si - A.T.	Linea 18 KV Monopoli	---- ----
si - A.T.	Linea 18 KV Giovinazzo	Dei 4 gruppi elettrogeni il e' efficiente - 3 possono mettersi in efficenza in periodi variabili.- Riparazioni da farsi nello stabilimento. Il macchinario e' a frequenza 50 ~ -

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

MINISTERO DEI LAVORI PUBBLICI
SERVIZIO IDROGRAFICO
SEZIONE AUTONOMA DEL GENIO CIVILE
CON SEDE IN NAPOLI

Napoli, 4 Aprile 1944

N. di protocollo 396 *Allegati*

Risposta alla nota N. ..... *del* .....

OGGETTO: Permesso di viaggio in aereo da Palermo a Napoli del Direttore del Servizio Idrografico di Palermo.

ALLA SUB COMMISSIONE LL.PP.
ED UTILITA' C.A.C.
N A P O L I
Palazzo Pavina

Per la riorganizzazione del Servizio Idrografico in Sicilia è necessario che il Capo dell'Ufficio Idrografico del G.C. di Palermo venga a conferire con me.

Data la urgenza anzichè per via ordinaria sarebbe utile consentirgli di usufruire dell' aerea Palermo Napoli e viceversa.

Il detto Funzionario, in questa occasione potrà fornire numerosi ed interessanti notizie utili a questa Sub Commissione per l'elettricità sia riguardo lo stato attuale degli impianti sia pel programma di riorganizzazione della produzione.

O B J E C T : Permission to travel by plane from Palermo to Naples for the Director employed of Hydrographic Service of Palermo.

AT THE SUB-COMMISSION PUBLIC WORKS AND UTILITY ALLIED CONTROL COMMISSION
N A P L E S
Province Palace

In order to reorganize the Hydrographic Service in Sicily it is necessary that the Chief of the Civil Engineering Hydrographic Office of Palermo come to confer with me.

For the urgenly it should turn useful to allow to avail himself of the airline Palermo-Naples and return instead of the usual way.

The said employed, in this opportunity, shall give noumerous and material news, useful for this sub-Commission of Electricity about either the

Pregasi trattare per ogni lettera un solo argomento e indicare nella risposta data e numero della presente

Request Copy
on file 095

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

Vi prego pertanto volergli autorizzare le vostre Autorità di Palermo a consentire il viaggio in aereo sia per l'andata che per il ritorno all'Ing. Cav. Uff. Francesco Abbadessa.

Ringrazio.

L'INGEGNERE CAPO

(Placido Ruggiero)

actual conditions of the installations, and the production reorganization programme.

I pray you, consequently, to authorize the Allied Authority at Palermo, to allow this travel out and in, at the Eng. Francesco Abbadessa.

Thank very much.

THE CHIEF ENGINEER OF THE HYDROGRAPHIC SERVICE

(Placido Ruggiero)

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

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WAL/ne

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

ACC/057/PWU

4 April 1944

S E C R E T

Subject: Pescara Electrical Plant.

To : V.P. Economic Section.

Attached report received from Captain Laughlin of the Electrical Division of the Public Works and Utilities Sub-Commission A.C.C., who is at present in the Bari Area in connection with the allocation of electrical energy.

This is forwarded to you for information.

W.M. LAPPIN,
Lt.-Colonel,
Chief, El. & Adm. Div.

Copy to:

D.D.W.
V.E.D.
Col. Crowden
Reg. II
" III
" IV

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-7101

PESCARA PLANTS

Report on interview and questioning of S.M.E. employee who came through from German territory, Pescara Plants.

Name of employee. Pietro Iodice - age 27 - unmarried.

Parents live at Naples.

Started work for S.M.E. in 1935 as instrument technician working in Naples and at Sila Hydro Plants. Work consisted of testing work on switchboard instruments, transformers, regulators, hydrograph instruments etc. Also did some work at Pescara Plants.

Has industrial school training.

Worked for the S.M.E. from 1935 to Jan. 1938

In army from Jan. 1938 to 20 Jun. 1939.

Released to S.M.E. 20 Jun. 1939 and worked at Sila till May 1940.

Recalled to army May 1940 and remained till 8 Sep. 1940. Stated that peace was signed and he left the army.

Spent one week in travelling from Florence to Pescara plants arriving there 15 Sep. 1943.

In formed that he was being recalled to army so went into hiding.

Was captured by the Germans but escaped during a snow storm, 24 Dec. 1943.

Remained at Pescara III until 4 Mar. 1944. Lived with Capo technico at Pescara III but did not report to chief engineer in charge of the Pescara plants because he had no discharge papers which would permit his being hired. Germans did not know he was there. Hid when they appeared.

Visited IV plants for a few hours.) Passed guards as a friend of
Saw II and III plants frequently.) Capo technico.

Did not visit No.I plant but did have an oppertunity to talk with the Capo technico of plant I.

The plants were idle until about 15 Feb. 1944 when they began full 24 hour operation. The reason for this was unknown. The power was sent north to the Terni plants over the 150 KV line. Note: There are two lines from Pescara III to the Terni plants. One is an older line built for 150 KV and operated at that voltage. The other is a new line designed and built for 220 KV but operated at

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

Worked for the S.A.E. from 1935 to Jan. 1936

In army from Jan. 1938 to 20 Jun. 1939.

Released to S.A.E. 20 Jun. 1939 and worked at Sila till May 1940.

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Saw II and III plants frequently.) Capo technico.

Did not visit No.I plant **but did have an opportunity to talk with the Capo technico of plant I.**

The plants were idle until about 15 Feb. 1944 when they began full 24 hour operation. The reason for this was unknown. The power was sent north to the Terni plants over the 150 KV line. Note. There are two lines from Pescara III to the Terni plants. One is an older line built for 150 KV and operated at that voltage. The other is a new line designed and built for 220 KV but operated at 150 KV. This later line is not being used. The power from the Pescara plants is being transported to Terni plants over the old 150 KV line. Why the 150 KV (220 KV) line was not being used was unknown to the employees.

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The telephone line between Pescara and the Terni plants are monitored by the Germans which prevented information being sent back and forth by employees.

The Pescara plants have little or no water storage and are river flow plants. The Terni plants have large reservoirs.

No damage has been done to any of the plants by mining up to 4 Mar. All plants are in good working condition.

Aerial bombing damaged one of the penstocks at No.II plant which is being repaired This bomb apparently was a stray and was intended for industrial plants located nearby. Stated that all the machinery had been removed from the industrial plants.

During Feb. 1944 a 15,000 KVA, 25 cycle generator and turbine was dismantled at Pescara IV and transported to Pescara I and stored. As near as was known S.A.E. requested permission of Germans to do this and permission was granted. Only reason that employee could guess was that there are industrial plants near Pescara IV which S.A.E. was afraid would be bombed.

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Some time back the Germans removed some small auxiliary transformers which were considered as extras or spares, the removal of which did not, however, affect the operation of the plants.

The Germans started placing mines in the plants on or about 15 Feb. 1944 which was about the time the plants began operating again.

A German captain by the name of Briede has charge of the work of mining at all four plants. He usually stays at the No. II plant. Impression was that he was doing other work as he was seen infrequently.

The guard detail for all the plants is estimated at about 200 men with 10 or 12 on duty at each plant. They live in a part of the operators' houses and also in the plants.

The actual placing of the charges was handled by a special detail in charge of a lieutenant. They made frequent return trips to inspect.

Charges are placed adjacent to the turbine regulators, near the exciters and on the outside of the substation transformers. The charges are made up of boxes about 30 x 20 x 20 cm. in dimensions with the number of each location varying. The turbines are vertical type.

No detonators or wires had been installed up to 4 Mar. 1944.

Arrows on walls of plant indicate location of future mines which were not yet installed.

Capt. Briede stated that he was going to mine the buildings (power plant) and the operators houses.

The employee followed the route of the Pescara - Foggia 150 KV line. Observed that most of the steel towers had been blown down although the conductors were still there.

The Pescara plants are between 20 and 30 kilometres from the front line at the nearest point.

From converstions with employees the 88 KV line Pescara, Matese to Naples had a considerable section of the line removed, although the amount taken out was unknown. Was guessed to be about 40 kilometres.

The condition of the Pescara to Frattamaggiore 150 KV line was unknown.

Obtained a pass for the employee Iodice to travel to Naples with instructions that he was to report to Chief Engineer of S.M.E. Mostruzzo, at Naples.

26 Mar. 44.

L.W. LAUGHLIN,
Capt., Spec. Res.

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

a lieutenant. They made frequent return trips to inspect.

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The condition of the Pescara to Frattamaggiore 150 KV line was unknown.

Obtained a pass for the employee Iodice to travel to Naples with instructions that he was to report to Chief Engineer of S.M.E. Mostruzzo, at Naples.

26 Mar. 44.

L.W. LAUGHLIN,
Capt., Spec. Res.

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

PESCARA PLANTS

Report on interview and questioning of S.M.E. employee who came through from German territory, Pescara Plants.

Name of employee. Pietro Iodice - age 27 - unmarried.

Parents live at Naples.

Started work for S.M.E. in 1935 as instrument technician working in Naples and at Sila Hydro Plants. Work consisted of testing work on switchboard instruments, transformers, regulators, hydrograph instruments etc. Also did some work at Pescara Plants.

Has industrial school training.

Worked for the S.M.E. from 1935 to Jan. 1938

In army from Jan. 1938 to 20 Jun. 1939.

Released to S.M.E. 20 Jun. 1939 and worked at Sila till May 1940.

Recalled to army May 1940 and remained till 8 Sep. 1940. Stated that peace was signed and he left the army.

Spent one week in travelling from Florence to Pescara plants arriving there 15 Sep. 1943.

In formed that he was being recalled to army so went into hiding.

Was captured by the Germans but escaped during a snow storm, 24 Dec. 1943.

Remained at Pescara III until 4 Mar. 1944. Lived with Capo technico at Pescara III but did not report to chief engineer in charge of the Pescara plants because he had no discharge papers which would permit his being hired. Germans did not know he was there. Hid when they appeared.

Visited IV plants for a few hours.) Passed guards as a friend of
Saw II and III plants frequently.) Capo technico.

Did not visit No.I plant but did have an opportunity to talk with the Capo technico of plant I.

The plants were idle until about 15 Feb. 1944 when they began full 24 hour operation. The reason for this was unknown. The power was sent north to the Terni plants over the 150 KV line. Note: There are two lines from Pescara III to the Terni plants. One is an older line built for 150 KV and operated at that voltage. The other is a new line designed and built for 220 KV but operated at 150 KV. This later line is not being used. The power from the Pescara plants

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

Pescara Plants.

Has industrial school training.

Worked for the S.M.E. from 1935 to Jan. 1938

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The telephone line between Pescara and the Terni plants are monitored by the Germans which prevented information being sent back and forth by employees.

The Pescara plants have little or no water storage and are river flow plants. The Terni plants have large reservoirs.

No damage has been done to any of the plants by mining up to 4 Mar. All plants are in good working condition.

Aerial bombing damaged one of the penstocks at No.II plant which is being repaired This bomb apparently was a stray and was intended for industrial plants located nearby. Stated that all the machinery had been removed from the industrial plants.

During Feb. 1944 a 15,000 KVA, 45 cycle generator and turbine was dismantled at Pescara IV and transported to Pescara I and stored. As near as was known S.M.E. requested permission of Germans to do this and permission was granted. Only reason that employee could guess was that there are industrial plants near Pescara IV which S.M.E. was afraid would be bombed.

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Some time back the Germans removed some small auxiliary transformers which were considered as extras or spares, the removal of which did not, however, affect the operation of the plants.

The Germans started placing mines in the plants on or about 15 Feb. 1944 which was about the time the plants began operating again.

A German captain by the name of Kriede has charge of the work of mining at all four plants. He usually stays at the No. II plant. Impression was that he was doing other work as he was seen infrequently.

The guard detail for all the plants is estimated at about 200 men with 10 or 12 on duty at each plant. They live in a part of the operators' houses and also in the plants.

The actual placing of the charges was handled by a special detail in charge of a lieutenant. They made frequent return trips to inspect.

Charges are placed adjacent to the turbine regulators, near the exciters and on the outside of the substation transformers. The charges are made up of boxes about 30 x 20 x 20 cm. in dimensions with the number of each location varying. The turbines are vertical type.

No detonators or wires had been installed up to 4 Mar. 1944.

Arrows on walls of plant indicate location of future mines which were not yet installed.

Capt. Kriede stated that he was going to mine the buildings (power plant) and the operators houses.

The employee followed the route of the Pescara - Foggia 150 KV line. Observed that most of the steel towers had been blown down although the conductors were still there.

The Pescara plants are between 20 and 30 kilometres from the front line at the nearest point.

From converstions with employees the 88 KV line Pescara, Matese to Naples had had a considerable section of the line removed, although the amount taken out was unknown. Was guessed to be about 40 kilometres.

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

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L.W. LAUGHLIN,
Capt., Spec. Res.

26 Mar. 44.

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

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

Fabbr. Elettrotecn. Italiana

- M E M O R A N D U M -

for Capt. R. Frazer Regional Labour Officer Acc. Reg. II

M A T E R A

and for notice to Mr. Polacco Edoardo, Director of the Provincial Labour Office

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On February 14th 1944 the members of the "Workmen Commission" of the Sila Department of the Southern Electric Co. have been appointed by secret voting, as from the annexed minutes.

On the 18th of the same month, by phone, the Commission informed of the election the management in the main office in Naples and asked that a representative thereof be sent to Sila with full executive power in order to discuss the workmen interests. As no answer came, the Commission phoned again on February 22nd in order to expedite the sending of a representative. On March 2nd 1944 the two delegates of the S.M.E. Eng. Cavallini and Doct. Rodinò arrived from Naples to discuss with the Commission.

This latter asked:

1) That transportation from Timpagrande to Cotronei and back should be cared for, as the personnel cannot be made to undergo the strain of running 10 km. in a mountainous zone, in consideration of the scarcity of food (100 gr. bread a day and no soup whatever) and of the almost absolute lack of shoes.

2) That the local S.M.E. Food Distributing Service should be supplied with non rationed foodstuffs, the Company taking on itself a part of the exorbitant prices thereof. 99

3) Extra allowances for night service, for those who work between 2200 and 0600 h.

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4) That the 70% adjustment of salaries and wages should be computed on the basis of the sums which were really paid by the Company to its dependents on December 1943 - including the extra fees for presence and the residence allowance - and not on that of the minimum wages and salaries fixed for the different categories, as the Company did.

5) That an extra allowance should be paid to those who work above 1000 metres on the sea level.

6) That those who are temporarily appointed to work out of their ordinary residence should be reimbursed of all the expenses they actually met because of the transferring, and not only of a fixed amount, stated beforehand.

7) The Medical Service and the first aid medicine chests in the different working places should be supplied with medicaments, as they are completely out of them. The Company should give financial assistance to those who must buy special medicaments not obtainable through its medical service.

Whereupon the representatives of the S.M.E. have accepted:

1) to reinstate the service for transportation of workmen by truck - already started on March 20th -; they do not guarantee for this service which is only meant to take the workmen back to their homes.
2) The Management will take upon itself a part of the cost of purchased foodstuffs by means of reductions granted to the personnel; the amount of said reductions shall be fixed each single time. A 60% reduction has already been granted on the cost of 4 q.ls chickpeas, which had been previously purchased.
3) Improvement of the workmen Mess (already granted).
4) Assistance in the purchasing of medicaments, by means of a special fund.
5) Revision of the emergency expenses met by those who are appointed

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

to work out of their ordinary working place.

As to the shoes, the representatives of the Company give assurance that a regular application for that has been filed to the A.M.G.; they cannot however guarantee that it will be granted.

6) As to the fourth request (70% increase) the representatives of the Company assured that the A.M.G. opposed to any further increase, which they were, instead, well inclined to grant. Whereupon the Commission asked to be introduced to the A.M.G. representatives in order to explain the point; which is:

The S.M.E. personnel is ruled by a collective labour contract dating from 1929 and agreed upon during the Fascist Gouvernment, whereas all other similar concerns are ruled by more recent contracts fixing better conditions than ours (which circumstance is certainly unknown to the A.M.G.).

The representatives of the Company promised they would soon send for some members of the Commission for them to contact the A.M.G. in Naples. But this has not taken place, in spite of the Commission urging it by phone on March 6th, 44.

As even this latter phone dispatch remained unanswered, the Commission phoned again on March 13th (copy of dispatch annexed) stating that, should no satisfactory answer be received till March 15th, some of the transmission lines would then be switched off, for three minutes, as a sign of protest.

The Management sent then to Sila Eng. Bonomo with a letter addressed to all responsible foremen of the plant, in which it expressed its regret for the behaviour of the personnel and informed that, in compliance with a better construction of the Regional Order n. 6 for Calabria the 70% increase would be computed on the basis of the salaries and wages actually paid on September 1942 and no more on the minimums, as it had been previously done.

None of the other requests was granted, which were made by the

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Commission.

Tha Company has accepted to pay 500,00 L. as an indemnity to each workman who has had to reach the plants on foot since September 1943, taking into no account the fact that during the last three years, only for short periods, the personnel was given transportation by truck.

As to the question wether the extra fees for presence and the residence allowance should or should not affect the 70% increase, the representative of the S.M.E. (Eng. Bonomo) informed us (as from the letter to the responsible foremen) that the question was to be discussed by the A.M.G. Therefore the Commission decided to supersede the carrying out of the protest, while waiting for the A.M.G. decision.

To close with we point out that no rationed foodstuffs have been distributed since July 1943, bread (from 100 to 150 gr. a day, only from March 1st 200 gr. a day) and olive oil only excepted.

We are bare of shoes and clothing articles.

The Commission feels confident that its above mentioned requests will be granted and assures that the workmen are fully given to their work and to the Company.

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COPY

RESTRICTED

HEADQUARTERS
ALLIED ARMIES IN ITALY
(Adm Echelon)
APO 400

ALH/jra
26 March 1944

SUBJECT: Requisitions on Electric Power Companies.

TO : All Addressees.

1. The rehabilitation of electrical plant and distribution systems and the efficient operation of existing facilities is vital to the Military efforts of the Allied Forces in Italian territory. It is only by salvage, under central control, of unnecessary facilities that power can be made available where required. The fact that a particular line, plant or electrical item is not being used at the moment, is not sufficient reason for its acquisition by other than those engaged in electrical work under the supervision of the Central Electrical Board.

2. It is presumed that all equipment, transport, materials and supplies now in the possession of electrical power companies are required for use by those companies in order to meet the needs of the Allies. None of the items listed above in this paragraph will be requisitioned or otherwise acquired without prior approval of the AAI Central Electrical Board.

/s/ A.L. Hamblen, Brig. Gen.
/t/ A.L. HAMBLEN, BRIG. GEN.

for

Major General,
Chief Administrative Officer.

DISTRIBUTION:

5 Army	FOWIT
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Copy
Lt/Col W M Lapper
PWB HQ ACC

057
GH

A.A.I.
CENTRAL ELECTRICAL BOARD
A.P.O. 600

COPY No. 27

12 March 1944

MINUTES OF THIRD MEETING
AAI - C.E.B.

The third meeting of the CENTRAL ELECTRICAL BOARD was held at 0900 hrs 12 March 1944 at the offices of the Board at Via PAOLO EMILIO IMBRIANI, No 42, NAPLES.

PRESENT:-

Brig. N.A. COXWELL ROGERS, CBE, DSO.		Chairman
Colonel JAMES P. CROWDON		Vice Chairman
Colonel D.S. BURNS		P.B.S.
Lt-Col. W.A.F. SMITH, RE.		D.D.W.
Lt-Col. W.M. LAPPER		A.C.C.
Lt-Col. G. COOLEY,	Alternate	P.B.S.

1. The minutes of the last meeting were accepted without amendment.

2. Lt-Col. LAPPER reported a meeting with representatives of the ENTE AUTONOMO VOLTURNO. The Board decided to defer further action with respect to the ENTE AUTONOMO VOLTURNO until the effect of the meeting could be observed. Copy of report and the decision of the Board to be transmitted to Cmdr HOGAN. The Chairman emphasized that the Board was required "to exercise general control over the operation of the power system" and that this necessarily included supervision of the Company management.

3. It was reported to the Board that heavy snow in the SILA water shed had made available more power than was foreseen when power allocations were made. After discussion the Board reported to the Electric Power Committee L.R.B.(Italian) that there was available for allocation, in the area served by the 60 KV transmission lines from SILA, not more than 10.000 KW for a period of not more than three months. Further availability to be determined at the end of that period.

4. The Military require power in BENEVENTO and the M.R.S. require a possible source of supply at the BENEVENTO end of their BENEVENTO-FOGGIA line. This can only be supplied by the rehabilitation of the MATESE BENEVENTO 60 KV line.
This work was allotted to the P.B.S. and accepted by them with the proviso that they would discontinue the work at any time should the troops to be employed thereon be required for other operations.
The transmission line BENEVENTO-CALORE is required to rehabilitate the CALORE Hydro electric Generating plant and to transmit power from that plant to

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

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Colonel JAMES P. CROWDON		Vice Chairman
Colonel D.S. BURNS		P.B.S.
Lt-Col. W.A.R. SMITH, RE.		D.D.W.
Lt-Col. W.M. LAPPER		A.C.C.
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This work was allotted to the P.B.S. and accepted by them with the proviso that they would discontinue the work at any time should the troops to be employed thereon be required for other operations.

The transmission line BENEVENTO-CALORE is required to rehabilitate the CALORE Hydro electric Generating plant and to transmit power from that plant when it is again in operation.

After discussion, the Board allotted the work to No. 3 District.

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5. The CALORE hydro electric plant contains two 12.000 HP hydro electric generating units operating under 190 meters head. It has been damaged by mining. One unit has been less damaged than the other.

The work of repairing the power station and placing the least damaged unit in operation and removing the more damaged unit and transporting it to NAPLES for repair was allotted to No 3 District.

6. After discussion the Board decided to ask the L.R.B. (Italian) and its pertinent committee to allot electrical equipment, material and supplies only after approval by the Board. The Board recommends to the C.A.O., A.A.I. the issuance of an order exempting from requisition, except with prior approval of the Board, all equipment, materials and supplies in the possession of the various Power Companies.

Copy of ECB file

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7. The Board allotted to the A.C.C. the work of removing, marking for re-assembly, packing for shipment and shipping from PALERMO to NAPLES, one 3500 KVA Hydro electric unit now installed in the ALTO BELICE plant of the General Electric Company of SICILY. This was accepted by the A.C.C.

8. The need for a 20,000/30,000 KW floating power plant for the Italian Theatre of Operations was discussed but no action was taken.

9. The Board requests the Royal Navy to continue the rehabilitation of the CAPUANO Steam Plant until the third 15,000 KW unit has been placed in condition to operate.

10. The meeting of the CENTRAL ELECTRICAL BOARD adjourned at 1200 hrs, 12 March 1944, to meet again on the call of the Vice Chairman.

JAMES P. GROWDON,
COLONEL CE,
Vice Chairman,
AAI CENTRAL ELECTRICAL BOARD.

DISTRIBUTION:-

1-3	C.A.O. AAI (Adm Echelon)
4-6	C.G. P.B.S.
7-8	C.E. A.A.I.
9-10	D.D.W.
11-12	Chief Commissioner A.C.C.
13-15	Vice Chairman, C.E.B.
16-17	Flag Officer, Western Italy
18	D.C.A.O.
19.	A.I.
20	D.Q.M.G.
21	C.E. P.B.S.
22	Electric Power Committee
23	File
24-34	Spare.

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

WML/mc

ACC/051/PWU

26 March 1944

Subject: Electricity Supplies.

To : Regional Commissioner Reg. II.

1. At the meeting of the Electric Power committee of the Allied Force Local Resources (Italian) Board held on 21st March 1944 the N°2 District representative raised the question of the control of electricity supplies in the area covered by the Società Elettrica della Calabria.

2. It was pointed out that the Compartment of Calabria is very remote from the N°2 District H.Q., that communications are difficult and that they have no organisation in that area except the Italian Army who are under orders from that H.Q.

3. It was therefore agreed that the control of Electricity within the Calabria area will be the responsibility of A.C.C. for the future and the Army District Commander will now leave the matter entirely in our hands to see that the consumption does not exceed the allotment made by the Resources Board.

4. Attached is a copy of the latest allocation programme of kilowatts available for each area and as there is ample water available the amount of units has not been given which means that for the time being there is no restriction on the amount of units consumed.

5. Lt.Col. Lapper will be visiting your Region shortly and will discuss this matter with you.

W.M. LAPPER,
Lt. Colonel,
Chief, El & Adm. Div.

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

APPENDIX "A"

Appendix "A" to Minutes of
Electric Power Committee
Meeting - 21 March 44

ALLOTMENT OF ELECTRIC POWER - APRIL 1944

150 KV & Interconnected System	Responsibility of	Maximum Permitted KW x 10^3
Apulia Co	2 District	38.0
Naples District	F D S	27.2
Campania Co:		
(i) Pendigliano	3 DISTRICT	3.0
(ii) Salerno Torre Cast.	3 DISTRICT	11.1
(iii) S. Maria	R B S	3.6
Lucania Co.	2 DISTRICT	5.0
	Total	87.9
Calabria 60 KV System		
Calabria Co.	A C C	11.0
	Total	11.0
Railways:		
Naples Area	DOERS	1.8
Foggia Benevento	"	6.0
Salerno - Torre	"	2.0
Calabria Railway	"	3.0
	Total	12.8
	Grand total	111.7

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23 MARCH 44

WGK

Station	Capacity Affected-KVA	Nature of Damage
De Vengenzi Cosmo	60	1-60 KVA alternator, 3000 volt, with broken bearing and pulley. Turbine cover damaged.
Guacci	250	2-125 KVA alternators-Plant completely destroyed.
Ischia	250	Believed similar to Guacci. Completely destroyed.
Iete	9250	Station completely destryed.
Matese I	14,000	2 Pelton wheel Units at 7000 KVA each. One turbine cover and winding of second alternator broken by one charge. One unit already repaired and operating. Generating voltage 10 KV.
Matese II	10,000	2 Pelton wheel Units at 5.000 KVA each, and at voltage of 10 KV. Building demolished. Charges appearently placed under the turbines and inside the alternators, destroying them. 2-12,000 KVA 10/60 KV transformers damaged, extent unknown. 2-15,000 KVA 60/80 KV transformers badly damaged appearently by Limpet charges. 3-60 KV outdoor oil immersed circuit breakers damaged. 2-80 KV outdoor oil immersed

Original on file 083

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

Ischia	250	Believed similar to [illegible] Completely destroyed.
Lete	9250	Station completely destryed.
Matese I	14,000	2 Pelton wheel Units at 7000 KVA each. One turbine cover and winding of second alternator broken by one charge. One unit already repaired and operating. Generating voltage 10 KV.
Matese II	10,000	2 Pelton wheel Units at 5.000 KVA each, and at voltage of 10 KV. Building demolished. Charges appearently placed under the turbines and inside the alternators, destroying them. 2-12,000 KVA 10/60 KV transformers damaged, extent unknown. 2-15,000 KVA 60/80 KV transformers badly damaged appearently by Limpet charges. 3-60 KV outdoor oil immersed circuit breakers damaged. 2-80 KV outdoor oil immersed circuit breakers damaged.
Quirino	40	Station completely destroyed.
Ponte Venafro	200	1 alternator, approx 200 KVA disintegrated. A second unit has been destroyed. (No information as to capacity).
San Massimo	6250	1-Pelton wheel unit rated at 4500 KVA, 3000 volts, and one rated at 1750 KVA. Both destroyed by gelignite charges. Control room demolished. Broken bushings on one circuit breaker.
Sciarra I	1290	1-370 KVA unit at 3000 volts. Turbine, governor and alternator wrecked.

Original in file 083

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Station	Capacity Affected-KVA	Nature of Damage
De Vengenzi Cosmo	60	1-60 KVA alternator, 3000 volt, with broken bearing and pulley. Turbine cover damaged.
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Declassified E.O. 12356 Section 3.3/NND No. 778019

Lete	9250	Station completely destryed.
Matese I	14,000	2 Pelton wheel Units at 7000 KVA each. One turbine cover and winding of second alternator broken by one charge. One unit already repaired and operating. Generating voltage 10 KV.
Matese II	10,000	2 Pelton wheel Units at 5.000 KVA each, and at voltage of 10 KV. Building demolished. Charges appearently placed under the turbines and inside the alternators, destroying them. 2-12,000 KVA 10/60 KV transformers damaged, extent unknown. 2-15,000 KVA 60/80 KV transformers badly damaged appearently by Limpet charges. 3-60 KV outdoor oil immersed circuit breakers damaged. 2-80 KV outdoor oil immersed circuit breakers damaged.
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Sciarra I	1290	1-370 KVA unit at 3000 volts. Turbine, governor and alternator wrecked.

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

Station	Capacity Affected-KVA	Nature of Damage
Sciarra I (Continued)		1 - ditto, with broken intake on turbine. Alternator windings burned at one end 1-550 KVA unit at 3000 volts. Turbine and alternator demolished.
Sciarra II	414	Building, Control board and feed pipe entirely demolished. Turbines damaged from flying fragments.
Trevento	65	Dam broken.
Tusciano	11,600	Pipe lines and valves damaged by explosives charges.
Ventittelli	1,670	1-1120 KVA unit demolished from charge under outer bearing. Turbine disintegrated. Alternator windings burned. 1-550 KVA unit. Alternator casing cracked. Not serious. 1-550 KVA transformer-casing destroyed from charge placed under it.
THERMAL STATION		
Capuana	48,900 KVA	Control room demolished. Admission valves on 2-16,300 KVA units badly damaged by charges. Water box ends on all three units destroyed by charges. One boiler blown from its columns and fell part way through floor. + Charges in another boile. damaged Furnace walls.

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		fragments.
Trevento	65	Dam broken.
Tusciano	11,600	Pipe lines and valves damaged by explosives charges.
Ventittelli	1,670	1-1120 KVA unit demolished from charge under outer bearing. Turbine disintegrated. Alternator windings burned. 1-550 KVA unit. Alternator casing cracked. Not serious. 1-550 KVA transformer-casing destroyed from charge placed under it.

THERMAL STATION

Capuana	48,900 KVA	Control room demolished. Admission valves on 2-16,300 KVA units badly damaged by charges. Water box ends on all three units destroyed by charges. One boiler blown from its columns and fell part way through floor. + Charges in another boile. damaged Furnace walls. Switchgear badly damaged during demolition of control room. Charges placed in alternators but did not go off. Station partially repaired, and one generating unit is in operable condition.

+ Charges had been placed in all six boilers. In somes instances, they had failed to go off. The result was that only two boilers were damaged.

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

Station	Capacity Affected-KVA	Nature of Damage
Sciarra I (Continued)		1 - ditto, with broken intake on turbine. Alternator windings burned at one end 1-550 KVA unit at 3000 volts. Turbine and alternator demolished.
Sciarra II	414	Building, Control board and feed pipe entirely demolished. Turbines damaged from flying fragments.
Trevento	65	Dam broken.
Tusciano	11,600	Pipe lines and valves damaged by explosives charges.
Ventittelli	1,670	1-1120 KVA unit demolished from charge under outer bearing. Turbine disintegrated. Alternator windings burned. 1-550 KVA unit. Alternator casing cracked. Not serious. 1-550 KVA transformer-casing destroyed from charge placed under it.
THERMAL STATION		
Capuana	48,900 KVA	Control room demolished. Admission valves on 2-16,300 KVA units badly damaged by charges. Water box ends on all three units destroyed by charges. One boiler blown from its columns and fell part way through floor. Charges in another boiler damaged Furnace walls.

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

		fragments.
Trevento	65	Dam broken.
Tusciano	11,600	Pipe lines and valves damaged by explosives charges.
Ventittelli	1,670	1-1120 KVA unit demolished from charge under outer bearing. Turbine disintegrated. Alternator windings burned. 1-550 KVA unit. Alternator casing cracked. Not serious. 1-550 KVA transformer-casing destroyed from charge placed under it.

THERMAL STATION

Capuana	48,900 KVA	Control room demolished. Admission valves on 2-16,300 KVA units badly damaged by charges. Water box ends on all three units destroyed by charges. One boiler blown from its columns and fell part way through floor. + Charges in another boiler damaged Furnace walls. Switchgear badly damaged during demolition of control room. Charges placed in alternators but did not go off. Station partially repaired, and one generating unit is in operable condition.

+ Charges had been placed in all six boilers. In somes instances, they had failed to go off. The result was that only two boilers were damaged.

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TO/ Lt. Col. Miller A.C.C.

85

HQ ACMF (Adm. Echelon)
APO 400

ALH/jra
6 March 1944

SUBJECT: Allocation Electrical Rehabilitation Project.

TO : Commanding General, Peninsular Base Section, APO 782, U. S. Army.

1. In conformity with the provisions of radio instructions (Freedom to Flambo - 44768 - Sigs No: 4632 131/Q2) and pursuant to action of the ACMF Central Electrical Board at its meeting on 14 February 1944, the rehabilitation of the electric transmission line from the Capuano Steam Plant in Naples to the Prenestina substation in Rome is allocated to the Commanding General, Peninsular Base Section.

2. The double circuit Volturno line from the Doganella plant to the crossing of the S.M.E. Liri line, the double circuit S.M.E. Frattamaggiore line to Minturno and the F.F.S.S. single circuit line from Minturno to Rome are to be repaired and connected to form a single circuit 60 kv line from the Capuano Steam Plant, Naples, to the Prenestina Substation, Rome.

3. So far as practicable the material required to repair the lines, Capuano to Minturno, is to be obtained by cannibalizing the Volturno line in sections not yet repaired. Similarly material required to repair the F.F.S.S. line, Minturno to Rome, should be procured, so far as practicable, from stock now in possession of the F.F.S.S. and by cannibalizing parts of the S.M.E. 150 kv. Pescara-Frattamaggiore line. The Minturno-Rome line should be constructed with the same insulation and clearance as the original line.

4. In all rehabilitation work the maximum amount of material from damaged and unnecessary lines should be used. The Central Electrical Board will undertake to locate and provide required materials not under the control of Commanding General, Peninsular Base Section, by salvage and cannibalization of other Italian systems including Sicily and Sardinia. Wherever work is done or materials are salvaged in areas not under control of Commanding General, Peninsular Base Section, the Central Electrical Board will inform the proper area authority and arrange for such assistance from that area authority in providing materials and expediting the work as is practicable. When new material or equipment is required which becomes a part of the electrical system, the Commanding General, Peninsular Base Section, should consult the Central Electrical Board as to the source of supply. Items required to be issued from British or American mili-

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(over)

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tary stocks should be procured and authorized in accordance with existing instructions of the respective supply services.

5. Minimum use should be made of Allied military units. Maximum use will be made of Italian commercial firms and civil labor. In connection with payment of services and supplies furnished from Italian resources attention is invited to AFHQ Administrative Memo, No. 95, dated 27 December 1943. Every effort will be made by direct action between Commanding General, Peninsular Base Section and Allied Control Commission to assure that, to the maximum extent practicable, the project is financed both as to labor and materials by the Italian Government.

6. The Commanding General, Peninsular Base Section, is requested to take the necessary steps to secure authority for the use of Allied stores and equipment including accommodation stores and food as may required for the prompt accomplishment of his allocated task.

7. The rehabilitation should provide only reasonable safety and continuity of operation. Special safety features such as double insulator strings and duplicate switches may be ommitted. State safety codes and regulations may be disregarded.

8. The ability to transmit power to Rome within 30 days after the occupation thereof is desired.

Major General,
Chief Administrative Officer.

Copy to: ACMF
ACC
AFHQ
SOS NATOUSA
5th Army
8th Army
2 Dist.
3 Dist.
CEB
AFSC/MTO
RN
DDW Flambo
DCMG "
G-4 "

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

ANIC
REFINERY BARI

26 February 1944

MEMORANDUM

2 - 3500 Kva Steam turbo-alternators power factor, 500 volts
3 phase 600 r.p.m. manufactured by Tosi.

Maximum out put both machines operating together is 3000 Kw.
(Should be checked under actual test conditions as machines
have never been operated that way? (This information from
chief Engineer at. plant.)

4 - Boilers in plant 2 - capable of operating on powdered coal
or fuel oil and 2 - fuel oil only.
Boilers can evaporate 20 Tons water per hour each.

Boilers pressure 570 lbs.
Used distilled water in a closed system circulated through heat
exchangers.
Heat exchangers produce pressure at about 150 lbs which goes to
turbines and also to other refinery processes. Raw water is used.

Turbines operate at 140 lbs in take and about 40 lbs discharge.
Discharge steam is also used for other refinery processes.

When refinery is operating one at the turbines is operated at
all times to provide power stand by in case of transmission line
failure.
Complete switchboard equipment to permit synchronizing with
S.G.E.E. Company system.
Both steam turbines have several rows of blades torn off from
unknown cause, one turbine runner is now at Taranto in Tosi
shops in attempt to make repairs.
Remaining blades badly pitted probably from the raw water used.

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

Econ Sec. (3)
5634

MJJT V LRHY SRL 976 P QVR-4

FROM Q DISTWO 201745A

TO ACTION REAR 8 ARMY 12 AIR FORCE

INFO FLAMBO A C C

HEADQUARTERS
21 MAR 1944
A. C. C.

N 2/21

Q377 (.) TOTAL INTERRUPTION OF ELECTRICITY SUPPLY IN EASTERN ITALY FOR ESSENTIAL LINE REPAIRS 0200 TO 0600 HRS 22 MARCH (.) ALL INOFRMEDXXXX INFORMED

PW - U

BT

Acc Italy

SENT SRL 976 21/0042A AB B K

RECD SRL 976 219942 A JFF

INFO - Rep CC 1
Econ Sec 3
Telecoms + Posts
C A B
FILE
FLOAT

85

21 Mar
26

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

ALLIED MILITARY GOVERNMENT
INTER OFFICE MEMO

From: Field Electrical Section

FILE No.

17.3.1944.

SUBJECT: Transmission Line to Rome.

TO:

1. Director.
2. Lt. Col. Lapham

Capt. Timmons called to discuss (Ext: 17) Finance S.C. attached, & would like Lt. Col. Lapham to phone him tomorrow. Particulars as to point I have marked A. He thinks there will be no difficulty at all.

(over).

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

5634

FROM Q DESTWO 201745A

TO ACTION NCAR 8 ARMY 12 AIR FORCE

INFO FLAMEC ACC

HEADQUARTERS
21 MAR 1944
A. C. C.

Q 377. TOTAL INTERRUPTION OF ELECTRICTY SUPPLY IN EASTERN ITALY FOR ESSENTIAL LINE REPAIRS 0200 TO 0600 HRS 22 MARCH. ALL INFORMED.

ACC Dest
Ops - D.C.C.
Econ Sec 3
Telecom Prots
C A Br
Fin Sec
ACC DIST Legal

SENT SRL 976 21/0042A

RECD SRL 976 21/0042A

8

21 Mar
26

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

5241
61

N43/14

FROM.....57 AREA 141830

TO.....FBS..3 BASE AREARAF...NOIC...ACC...AMG REGION III

INFO.....73 CRE WORKS

0503/2. FIRST MEETING 57 AREA ELECTRICITY CONTROL SUB COMMITTEE WILL BE HELD AT 73 CRE WKS 17 CORSO VITTORIO EMANUELE TORRE DEL GRECO MAP REF 305434 AT 0930 HRS 16 MAR. THIS MEETING TO EXPLAIN FUNCTIONS. ADDRESSEES PLEASE SEND REPS CONVERSANT WITH POWER REQUIREMENTS AND ALLOCATIONS. FBS REQUIRED BECAUSE OF ALLOCATIONS TO FBS INSTALLATIONS IN BRITISH AREA.

SENT NR 326 142015A

RECD NR 3 14/2015A

ACC DISTRIBUTION:

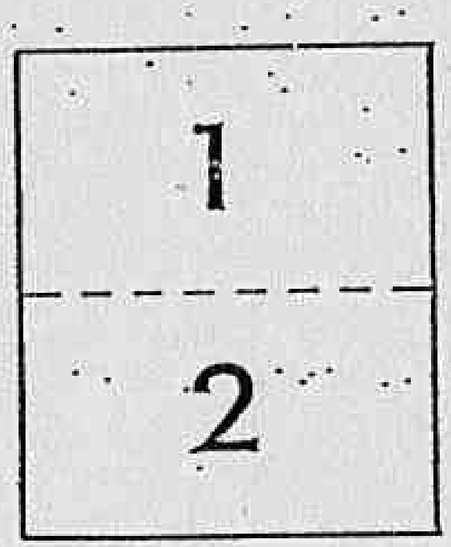
(action) Econ Sec (3)
INFO DEP C.C.
" CA, Br
" FILE
" FLOAT 2

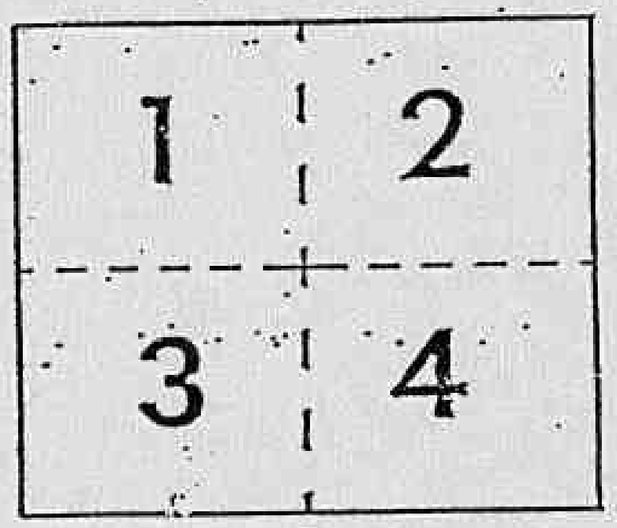
15 Hap
19

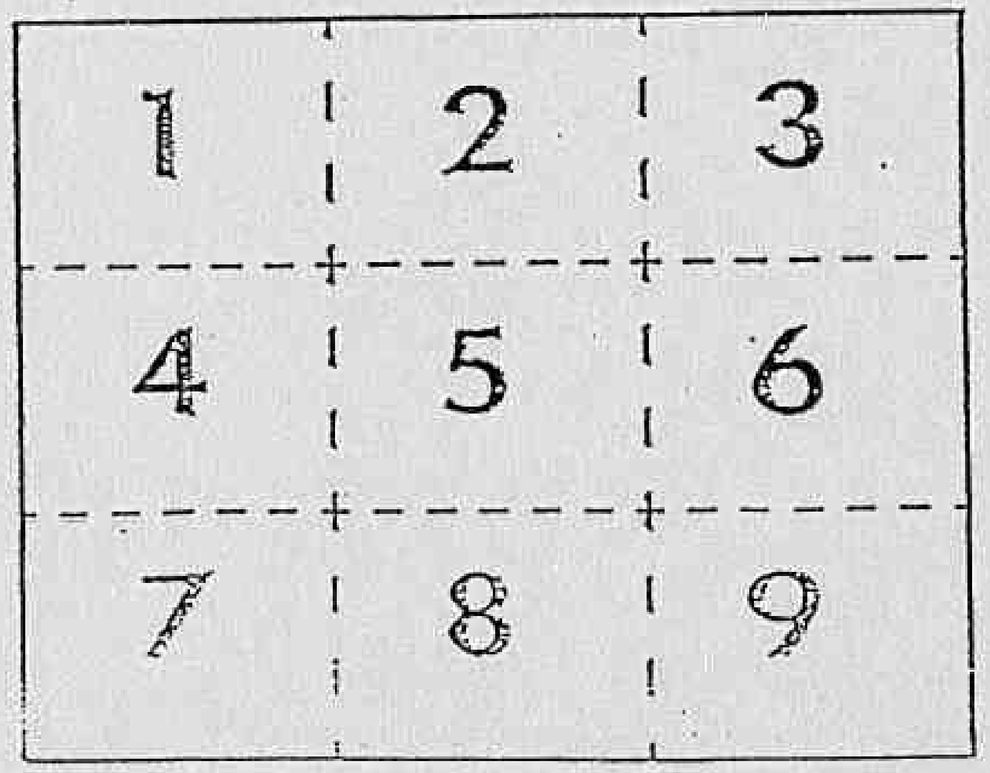
MARCH 1944

MAPS AND CHARTS TOO LARGE TO FILM
ON ONE EXPOSURE ARE FILMED CLOCKWISE
BEGINNING IN THE UPPER LEFT CORNER,
LEFT TO RIGHT, AND TOP TO BOTTOM.

SEE DIAGRAMS BELOW.







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S. G. P. E. - Bari - Weekly Repo

Sub Station	Num KV	DEMAND	DAY 14/2 (Monday)				DAY 15/2 (Tuesday)				DAY 16/2 (Wednesday)				DAY 17/	
		Kw or KVA	Kw KVA	Hours	KV	Kwh	Kw KVA	Hours	KV	Kwh	Kw KVA	Hours	KV	Kwh	Kw KVA	Hours
PALAIA	15	Max	43000	9	145		43000	10	143		43000	10	143		45 000	10
		Abn.	44 000	6	144.5	450 000	46 000	6	144	834 000	46 000	6	143.5	788 000	46 000	6
Stile-incoming line		Min.	18 000	1	146		20 000	1	145		22 000	7	144.5		22 000	1
MINI SUD	15	Max	8 000	8	140		14 000	8	140		13 000	8	140		15 000	9
		Abn.	14 000	6	140	210 000	15 000	6	139	264 000	14 000	6	139	264 000	15 000	6
Foggia outgoing line		Min.	4 500	1	140		8 000	2	140		9 000	12	136		9 000	1
FOGGIA	63	Max				o)				o)				o)		
		Abn.														
		Min.														
State RR outgoing line		Ant.	*2 756	10	29.5		*3 261	12	29		*3 165	6	30.5		*2 759	8
		Max	*3 529	8	30	*) 45 240	*3 093	8	29.8	*)43 680	*3 317	5	29.5	*)39 000	*2 659	7
S.Severo outgoing line		Abn.	*1 583	2	30.5		*2 145	12	31		*1 531	9	29.5		*2 027	9
		Min.	* 934	8	30		-	-	-		* 803	10	29		* 752	10
		Ant.	Line dead				* 773	7	29.8		* 765	6	29.5		* 752	6
Marfredonia outgoing line		Max	* 475	2	30.5		* 536	12	31		* 536	2	31		* 510	2
		Abn.	*1 183	10	9		*1 257	12	9.2		*1 383	12	9.5		*1 400	12
		Min.	*1 177	7	9.2	*)28 800	*1 225	7	9.2	*)31 800	*1 544	7	9.3	*)32 400	*1 336	7
Troia + Lucera outgoing line	9	Ant.	* 482	2	9.3		* 739	4	9.5		*1 206	2	9.3		* 636	2
		Max	* 996	10	9		*1 261	8	9		*1 012	10	9		*1 273	12
		Abn.	*1 082	7	9.2		*1 023	8	9.1		*1 062	7	9.3		*1 082	7
Foggia town outgoing line	9	Min.	* 627	2	9.3		* 509	2	9.2		* 670	8	9		* 636	2
S. SEVERO	30	Ant.	*2 148	9	27		*2 159	9	26		*1 868	7	24		*1 986	12
		Max	*2 156	2	27.1		*2 242	4	27		*2 280	2	26.9		*2 131	9
Apricena (Unes) outgoing line		Abn.	*1 259	1	28		*1 259	4	28		*1 356	2	28		*1 183	3
		Min.	* 387	7	28		* 570	11	27.5		* 370	11	26.8		* 420	7
Torremaggiore outgoing line	30	Ant.	* 374	6	27		* 380	9	27.5		* 384	9	27.8		* 387	9
		Max	* 327	9	27		* 380	9	27.5		* 384	9	27.8		* 316	11
		Abn.														
		Min.														
CERIGNOLA	15	Ant.	1 700	9	18		1 770	8	17.5		1 850	10	18		1 600	9
		Max	1 870	6	18.1	26 055	1 930	6	17.5	27 090	1 930	10	18.2	26 550	1 830	6
		Abn.	870	2	19		1 000	1	19		1 000	1	19		870	12
ANDRIA	15	Ant.	2 000	8	18.5		2 000	8	18.5		1 900	12	18.5		2 200	12
		Max	2 200	7	18.5	36 750	2 400	9	18.5	39 000	2 150	6	18.5	42 000	2 360	7
		Abn.	700	2	18.5		1 200	1	19		1 400	1	19		1 300	1
CANOSA	15	Ant.	2 400	8	19.5		2 200	7	18		2 000	7	19.8		2 000	8
		Max	2 500	6	19.1	39 600	2 500	8	18.8	42 480	2 600	6	18.5	40 320	2 700	6
		Abn.	500	1	17.8		550	1	18		500	1	17.6		500	1
BARI NORD	15	Ant.	1 100	10	18.5		1 200	3	18.5		1 000	6	18.5		1 200	12
		Max	1 300	2	18.5	15 120	1 100	10	18.5	17 280	1 100	8	18.5	12 960	1 100	4
		Abn.	100	5	18.5		100	7	18.5		100	6	18.5		100	3
	9	Ant.	800	10	9.2		1 000	10	9.2		800	9	9.2		700	10
		Max	800	6	9.2	15 000	900	3	9.2	18 000	800	6	9.2	16 000	800	6
		Abn.	400	3	9.2		500	5	9.2		500	12	9.2		400	3
BARI SUD	15	Ant.	1 400	12	18.4		1 200	7	18.4		900	7	18.4		1 400	6
		Max	1 400	1	18.4	23 760	1 400	1	18.4	19.980	1 200	6	18.4	14 580	1 300	6
		Abn.	900	1	18.4		1 000	12	18.4		500	6	18.4		700	12
	9	Ant	6 500	9	9.2		7 500	12	9.2		6 200	8	9.2		7 100	9
		Max	6 300	5	9.2	114 000	6 800	6	9.2	119 000	6 800	7	9.2	118 000	6 800	1
		Abn.	2 200	1	9.2		2 200	1	9.2		2 200	1	9.2		2 300	

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i - Weekly Report on Max Demand and KWH Reading

Tuesday		Day 16/2 (Wednesday)				Day 17/2 (Thursday)				Day 18/2 (Friday)				Day 19/2 (Saturday)				Day 20/2 (Sunday)				Net
KV	Kwh	KVA	Hours	KV	Kwh	KVA	Hours	KV	Kwh	KVA	Hours	KV	Kwh	KVA	Hours	KV	Kwh	KVA	Hours	KV	Kwh	Kwh
143		43000	10	143		45 000	10	144		42 000	10	143.5		43 000	9	142.5		29 000	11	144		
144	834 000	46 000	6	143.5	798 000	46 000	6	143	834 000	48 000	6	142.5	822 000	25 000	8	144	390 000	33 000	*	145	552 000	4 68
145		22 000	7	144.5		22 000	1	145		22 000	1	146		19 000	12	144		18 000	1	145		
140		13 000	8	140		15 000	9	135		14 000	9	138		14 000	8	138		4 500	7	135		
139	264 000	14 000	6	139	264 000	15 000	6	136	276 000	14 000	6	137	270 000	4 000	7	148	108 000	5 000	6	140	86 000	1 48
140		9 000	12	136		9 000	1	138		8 000	12	137		2 000	6	148		4 000	1	140		
	°)				°)				°)				°)				°)				°)	°)
29		*3 165	6	30.5		*2 759	8	29		*2 759	9	29		*2 567	8	28		*1 905	11	29		-
29.8	*)43 680	*3 317	5	29.5	*)39 000	*2 659	7	29	*)37 440	*2 677	7	29.2	*)39 000	*2 422	7	28	*)21 840	*1 806	10	29	*)29 640	*) 25
31		*1 531	6	29.5		*2 027	9	29.3		*1 633	2	29.5		*1 581	11	30		*1 557	6	30		
-		* 803	10	29		* 752	10	29		* 752	8	29		* 581	8	28		* 752	11	29		
29.8		* 765	6	29.5		* 752	6	29		* 757	7	29.2		* 519	9	30		-	-	-		
31		* 536	2	31		* 510	2	29.5		* 510	2	29.5		* 510	2	29.5		* 510	3	29.5		
9.2		*1 383	12	9.5		*1 400	12	9.2		*1 400	10	9.2		*1 217	8	8.8		* 352	8	8.5		
9.2	*)31 800	*1 544	7	9.3	*)32 400	*1 336	7	9.2	*)32.400	*1 271	7	9.3	*)34 800	* 456	6	8.8	*)12 600	* 903	8	9	*)8 000	*) 16
9.5		*1 206	2	9.3		* 636	2	9.2		* 943	2	9.4		* 223	12	8.6		* 276	2	8		
9		*1 012	10	9		*1 273	12	9.2		*1 273	8	9.2		*1 065	8	8.8		* 76	8	8.5		
9.1		*1 062	7	9.3		*1 082	7	9.2		*1 241	6	9.2		* 761	7	8.8		*1 089	8	9		
9.2		* 670	8	9		* 636	2	9.2		* 636	12	9.2		* 297	12	8.6		* 276	2	8		
26		*1 868	7	24		*1 986	12	26.1		*2 188	7	27.5		*2 257	8	26.1		* 980	9	27		
27		*2 280	2	26.9		*2 131	9	28		*2 086	4	26.8		*1 377	8	29.5		*1 295	7	29.8		
28		*1 356	2	28		*1 183	3	28.5		*1 404	2	28		* 602	3	29		* 830	2	30		
27.5		* 370	11	26.8		* 420	7	27		* 428	7	27.5		* 373	7	27		* 147	7	28.5		
27.5		* 384	9	27.8		* 387	9	28		* 421	9	27.1		* 451	6	29		* 274	6	28.8		
27.5		* 384	9	27.8		* 316	11	26.1		* 325	11	26.9		* 199	9	28.9		* 99	11	28.8		
17.5		1 850	10	18		1 600	9	18.6		1 600	10	18.2		1 500	9	17.2		1 370	8	17.6		
17.5	27 090	1 930	10	18.2	26 550	1 830	6	18	28 170	1 870	7	18.5	27 585	720	7	18	11 025	1 550	7	18	20 205	16
19		1 000	1	19		870	12	18.6		800	1	18.8		590	6	18.3		800	3	18.2		
18.5		1 900	12	18.5		2 200	12	18.5		1 900	10	18.5		1 750	8	18.5		2 000	8	18.3		
18.5	39 000	2 150	6	18.5	42 000	2 350	7	19.1	44 625	2 300	7	18.5	40 875	1 550	7	18.5	20 625	2 100	6	19.3	33.750	25
19		1 400	1	19		1 300	1	18.3		1 300	3	18.3		900	3	18.3		850	1	18.5		
18		2 000	7	19.8		2 000	8	19 1		2 000	8	19		2 100	8	18 8		2 150	8	18.5		
18.8	42 480	2 600	6	18.5	40 320	2 700	6	19 1	41 760	2 600	7	18.6	40 320	1 200	9	19.8	18 720	2 100	6	19.3	36 720	25
18		500	1	17.6		500	1	17.5		625	1	18		600	1	17.8		600	1	18.4		
18.5		1 000	6	18.5		1 200	12	18.5		1 100	12	18.5		1 000	7	18.5		900	4	18.5		
18.5	17 280	1 100	8	18.5	12 960	1 100	4	18.5	16 200	1 000	5	18.5	16 200	1 000	11	18.5	8 640	100	8	18.5	7 560	9
18.5		100	6	18.5		100	3	18.5		100	7	18.5		100	9	18.5		100	6	18.5		
9.2		800	9	9.2		700	10	9.2		900	11	9.2		900	9	9.2		650	11	9.2		
9.2	18 000	600	6	9.2	16 000	800	8	9.2	17 000	800	8	9.2	17 000	300	11	9.2	6 000	400	6	9.2	13 500	1
9.2		500	12	9.2		400	3	9.2		400	11	9.2		100	10	9.2		300	4	9.2		
18.4		900	7	18.4		1 400	8	18.4		1 400	9	18.4		1 000	7	18.4		900	7	18.4		
18.4	19.980	1 200	6	18.4	14 580	1 300	6	18.4	18.900	1 600	6	18.4	17 820	800	11	18.4	8 480	1 000	5	18.5	10 800	11
18.4		500	6	18.4		700	12	18.4		800	1	18.4		700	1	18.4		800	1	18.4		
9.2		6 200	8	9.2		7 100	9	9.2		6 800	9	9.2		6 000	8	9.2		6 800	11	9.2		
9.2	119 000	6 800	7	9.2	118 000	6 800	1	9.2	121 000	6 800	6	9.2	118 000	6 900	7	9.3	62 000	6 000	6	9.2	106 000	75
9.2		2 200	1	9.2		2 300	1	9.2		2 400	1	9.2		1 400	1	9.2		2 000	1	9.2		

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Report on Max Demand and KWH Readings.

DAY 17/2 (Tuesday)				DAY 18/2 (Friday)				DAY 19/2 (Wednesday)				DAY 20/2 (Thursday)				TOTAL	NOTES
KW KVA	Hours	KV	Kwh	KW KVA	Hours	KV	Kwh	KW KVA	Hours	KV	Kwh	KW KVA	Hours	KV	Kwh	kWh	
45 000	10	144		42 000	10	143.5		43 000	9	142.5		29 000	11	144			
46 000	6	143	834 000	46 000	6	142.5	822 000	25 000	8	144	390 000	33 000	7	145	552 000	4 680 000	
22 000	1	145		22 000	1	146		19 000	12	144		18 000	1	145			
15 000	9	135		14 000	9	136		14 000	8	138		4 500	7	135			
15 000	6	136	276 000	14 000	6	137	270 000	4 000	7	148	108 000	5 000	6	140	96 000	1 488 000	
9 000	1	136		9 000	12	137		2 000	6	148		4 000	1	140			
			°)				°)				°)				°)	°)	°) No load - Open line.
																-	
*2 759	8	29		*2 759	9	29		*2 567	8	28		*1 905	11	29			
*2 659	7	29	*)37 440	*2 677	7	29.2	*)39 000	*2 422	7	28	*)21 840	*1 806	10	29	*)29 640	*) 255 840	*)Total reading for S.Severo and Manfredonia Lines.
*2 027	9	29.3		*1 633	2	29.5		*1 591	11	30		*1 557	6	30			
* 752	10	29		* 752	8	29		* 581	8	28		* 752	11	29			
* 752	6	29		* 757	7	29.2		* 519	9	30		-	-	-			* Load kVA.
* 510	2	29.5		* 510	2	29.5		* 510	2	29.5		* 510	3	29.5			
*1 400	12	9.2		*1 400	10	9.2		*1 217	8	8.8		* 352	8	8.5			
*1 336	7	9.2	')32.400	*1 271	7	9.3	')34 800	* 456	6	8.8	')12 600	* 903	8	8	')9 000	') 181 800	') Total reading on 9 kV bus-bars.
* 636	2	9.2		* 943	2	9.4		* 223	12	8.6		* 276	2	8			
*1 273	12	9.2		*1 273	8	9.2		*1 065	8	8.8		* 764	8	8.5			
*1 082	7	9.2		*1 241	6	9.2		* 761	7	8.8		*1 089	8	9			
* 636	2	9.2		* 636	12	9.2		* 297	12	8.6		* 276	2	8			
*1 986	12	26.1		*2 188	7	27.5		*2 257	8	26.1		* 980	9	27			
*2 131	9	28		*2 086	4	26.8		*1 377	8	29.5		*1 295	7	29.8			* Load kVA.
*1 183	3	28.5		*1 404	2	28		* 602	2	29		* 830	2	30			
* 420	7	27		* 428	7	27.6		* 373	7	27		* 147	7	28.5			
* 387	9	28		* 421	9	27.1		* 451	6	29		* 274	6	28.8			
* 316	11	26.1		* 325	11	26.9		* 199	9	28.9		* 99	11	28.8			
1 600	9	18.6		1 600	10	18.2		1 500	9	17.2		1 370	8	17.6			
1 830	6	18	28 170	1 870	7	18.5	27 585	720	7	18	11 025	1 550	7	18	20 205	166 680	
870	12	18.5		800	1	18.8		590	6	18.3		800	3	18.2			
2 200	12	18.5		1 900	10	18.5		1 750	8	18.5		2 000	8	18.3			
2 350	7	19.1	44 625	2 300	7	18.5	40 875	1 550	7	18.5	20 625	2 100	6	19.3	33.750	257 625	
1 300	1	18.3		1 300	3	18.3		900	3	18.3		850	1	18.5			
2 000	8	19 1		2 000	8	19		2 100	8	18 8		2 150	8	18.5			
2 700	6	19 1	41 760	2 600	7	18.6	40 320	1 200	9	19.8	18 720	2 100	6	19.3	36 720	259 920	
500	1	17.5		625	1	18		600	1	17.8		600	1	18.4			
1 200	12	18.5		1 100	12	18.5		1 000	7	18.5		900	4	18.5			
1 100	4	18.5	16 200	1 000	5	18.5	16 200	1 000	11	18.5	8 640	100	8	18.5	7 560	93 960	
100	3	18.5		100	7	18.5		100	9	18.5		100	6	18.5			
700	10	9.2		900	11	9.2		900	9	9.2		650	11	9.2			
800	8	9.2	17 000	800	8	9.2	17 000	300	11	9.2	6 000	400	6	9.2	13 500	102 500	
400	3	9.2		400	11	9.2		100	10	9.2		300	4	9.2			
1 400	8	18.4		1 400	9	18.4		1 000	7	18.4		900	7	18.4			
1 360	6	18.4	18.900	1 600	6	18.4	17 820	800	11	18.4	5 480	1 000	5	18.5	10 800	112 320	
700	12	18.4		600	1	18.4		700	1	18.4		600	1	18.4			
7 100	9	9.2		6 800	9	9.2		6 000	8	9.2		6 800	11	9.2			
6 800	1	9.2	121 000	6 800	6	9.2	118 000	6 400	7	9.3	62 000	6 000	6	9.2	106 000	756 000	
2 300	1	9.2		2 400	1	9.2		1 400	1	9.2		2 000	1	9.2			

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[illegible]	18	Ant.	2 400	8	19.5		2 200	7	18		2 000	7	19.8		2 000	
		Max Pom.	2 500	6	19.1	39 600	2 500	8	18.8	42 480	2 600	6	18.5	40 320	2 700	
		Min.	500	1	17.8		550	1	18		500	1	17.6		500	
	10	Ant.	1 100	10	18.5		1 200	3	18.5		1 000	6	18.5		1 200	
		Max Pom.	1 300	2	18.5	15 120	1 100	10	18.5	17 280	1 100	8	18.5	12 960	1 100	
		Min.	100	5	18.5		100	7	18.5		100	6	18.5		100	
[illegible]	9	Ant.	800	10	9.2		1 000	10	9.2		800	9	9.2		700	
		Max Pom.	800	6	9.2	15 000	900	3	9.2	18 000	600	6	9.2	16 000	800	
		Min.	400	3	9.2		500	5	9.2		500	12	9.2		400	
	12	Ant.	1 400	12	18.4		1 200	7	18.4		900	7	18.4		1 400	
		Max Pom.	1 400	1	18.4	23 760	1 400	1	18.4	19 980	1 200	6	18.4	14 580	1 300	
		Min.	900	1	18.4		1 000	12	18.4		500	6	18.4		700	
BARI SUD	9	Ant.	6 500	9	9.2		7 500	12	9.2		6 200	8	9.2		7 100	
		Max Pom.	6 300	5	9.2	114 000	6 800	6	9.2	119 000	6 800	7	9.2	118 000	6 800	
		Min.	2 200	1	9.2		2 200	1	9.2		2 200	1	9.2		2 300	
	18	Ant.	1 120	12	18.9		1 400	9	18.3		1 300	9	18.4		1 400	
		Max Pom.	1 360	7	18.9	22 000	1 410	7	18.8	21 000	1 450	6	18.7	23 500	1 410	
PUTIGNANO		Min.	400	2	19.2		440	3	19.3		500	2	19.1		440	
	15	Ant.	8 750	10	18.5		9 500	10	18.5		9 000	10	18.6		9 250	
		Max Pom.	7 400	7	18.6	149 760	9 600	2	18.5	164 160	8 200	3	18.5	155 520	9 000	
		Min.	3 500	3	19		4 000	3	19		4 100	3	19		3 700	
[illegible]	5	Ant.	900	11	5.3		850	10	5.2		1 350	10	5.2		1 500	
		Max Pom.	1 000	7	5.3	22 200	1 100	7	5.3	22 200	1 400	7	5.3	30 000	1 560	
		Min.	600	3	5.3		600	3	5.3		600	3	5.3		800	
	18	Ant.	1 470	8	18.7		1 350	8	18.4		1 320	9	18.4		1 300	
		Max Pom.	1 800	6	18.3	25 920	1 800	6	18.3	24 840	1 800	6	18.3	26 190	1 830	
FRANCAVILLA		Min.	350	2	18.6		300	1	18.6		300	2	18.5		300	
	18	Ant.	*1 183	10	18		*1 329	10	18.3		*1 315	10	18.1		*1 133	
		Max Pom.	*1 242	5	18.9	18 360	*1 280	6	18.5	19 710	*1 018	6	18.4	16 090	*1 139	
		Min.	* 623	2	18		* 560	12	18		* 501	2	18.1		* 484	
[illegible]	5	Ant.	*1 205	12	5.2		*1 323	12	5.1		*1 446	10	5.5		*1 356	
		Max Pom.	*1 259	6	5.2	18 360	*1 295	5	5.2	19 060	*1 282	6	5.2	20 170	*1 282	
		Min.	* 501	2	5		* 467	12	5		* 436	2	5		* 420	
	18	Ant.	2 800	9	18		2 350	8	18		2 610	7	18.2		2 700	
		Max Pom.	3 400	7	18.1	43 200	3 450	6	18	44 800	3 400	7	18.1	44 800	3 250	
		Min.	1 300	1	18.6		1 400	1	18.5		1 300	2	18.5		1 300	
LECCE	9	Ant.	2 050	10	8.4		2 100	12	8.6		2 100	11	8.5		2 000	
		Max Pom.	2 390	7	8.6	38 700	2 380	7	8.5	37 400	2 360	7	8.5	37 100	2 360	
		Min.	850	2	9.1		850	2	9		830	2	9		830	
* Readings in Kva			TOTAL kWh.			682 825			kWh	711 500			kWh	697 180		

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7	19.8		2 000	8	19 1		2 000	8	19		2 100	8	18 8		2 150	8	18.5						
6	16.5	40 320	2 700	6	19 1	41 760	2 600	7	18.6	40 320	1 200	9	19.8	18 720	2 100	6	19.3	36 720	259 920				
1	17.6		500	1	17.5		625	1	18		600	1	17.8		600	1	18.4						
															900	4	18.5						
6	18.5		1 200	12	18.5		1 100	12	18.5		1 000	7	18.5										
8	18.5	12 960	1 100	4	18.5	16 200	1 000	5	18.5	16 200	1 000	11	18.5	8 640	100	8	18.5	7 560	93 960				
6	18.5		100	3	18.5		100	7	18.5		100	9	18.5		100	6	18.5						
9	9.2		700	10	9.2		900	11	9.2		900	9	9.2		650	11	9.2						
6	9.2	16 000	800	8	9.2	17 000	800	8	9.2	17 000	300	11	9.2	6 000	400	6	9.2	13 500	102 500				
12	9.2		400	3	9.2		400	11	9.2		100	10	9.2		300	4	9.2						
															900	7	18.4						
7	18.4		1 400	8	18.4		1 400	9	18.4		1 000	7	18.4										
6	18.4	14 580	1 300	6	18.4	18.900	1 600	6	18.4	17 820	800	11	18.4	9 480	1 000	5	18.5	10 800	112 320				
6	18.4		700	12	18.4		600	1	18.4		700	1	18.4		600	1	18.4						
8	9.2		7 100	9	9.2		6 800	9	9.2		6 000	8	9.2		6 800	11	9.2						
7	9.2	118 000	6 800	1	9.2	121 000	6 800	6	9.2	118 000	6 400	7	9.3	62 000	6 000	6	9.2	106 000	758 000				
1	9.2		2 300	1	9.2		2 400	1	9.2		1 400	1	9.2		2 000	1	9.2						
															1 400	11	18.4						
9	18.4		1 400	9	18.6		1 350	9	18.2		1 300	9	18		1 300	8	18.3	18 500	142 500				
6	18.7	23 500	1 410	8	18.8	23 500	1 448	6	18.7	24 500	600	11	17.4	9 500	0	4	18						
2	19.1		440	3	18.6		520	2	18.7		40	6	17.5										
											9 000	9	18.5		5 750	9	19						
10	18.5		9 250	10	18.5		8 700	10	18.5														
3	18.5	155 520	9 000	3	18.6	154 000	7 300	5	18.5	156 960	6 750	8	19.2	70 500	4 250	7	19	87 840	938 820				
			3 700	3	19		4 100	3	19		1 500	6	19.5		3 800	3	19						
3	19										1 300	9	5.6		1 380	9	5.2						
10	5.2		1 500	12	5.2		1 300	10	5.2														
7	5.3	30 000	1 500	7	5.3	36 600	1 500	5	5.2	34 800	1 450	6	5.3	18 000	1 500	8	5.5	38 000	193 800				
3	5.3		800	3	5.3		800	3	5.3		800	2	5.2		600	3	5.3						
															1 050	7	19.5						
9	18.4		1 300	7	18.5		1 350	7	18.3		1 750	7	18.5										
6	18.3	26 190	1 830	6	18.3	24 840	1 800	6	18.3	23 760	1 650	6	19.6	11 880	1 950	6	19.6	14 580	152 010				
2	18.5		300	2	18.6		300	2	18.7		300	2	18.5		300	5	19.5						
10	18.1		*1 133	10	18.2		*1 846	10	17.8		*1 017	8	17.2		* 647	8	18.7						
6	18.4	18 090	*1 139	7	18.3	18 740	*1 029	6	18.6	17 550	* 551	12	17.7	7 830	* 788	10	19	13 280	111 500				
2	18.1		* 484	2	17.5		* 551	2	17.7		* 365	8	17.6		* 514	2	18.6						
															* 847	8	5.1						
10	5.5		*1 358	12	5.1		*1 282	12	5.2		*1 124	8	5										
6	5.2	20 170	*1 282	7	5.2	19 440	*1 331	7	5.2	19 440	* 1 038	6	6	9 240	*1 169	8	5.2	14 400	129 130				
2	5		* 420	2	5		* 411	2	4.9		* 385	2	4.8		* 341	2	5.2						
															1 900	7	18.5						
7	18.2		2 700	7	18.6		2 400	7	18.5		2 800	5	18.8										
7	18.1	44 800	3 250	7	18.1	45 600	3 200	6	18	44 800	1 200	11	18.3	16 000	1 700	11	18.4	12 800	252 000				
2	18.5		1 300	2	18.5		1 450	5	18.5		450	9	19.2		500	6	18.5						
											1 800	9	8.6		1 300	7	9.1						
11	8.5		2 000	12	8.5		1 950	5	8.4		1 680	8	9.2	19 100	1 400	9	9.3	22 300	228 900				
7	8.5	37 100	2 360	8	8.7	36 500	2 300	6	8.5	37 800	820	2	9		750	2	9.2						
2	9		830	2	9		830	2	9														
	kWh	697 180			kWh	714 705			kWh	711 210				329 980				480 875	4 328 365				

* Load kVA

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2	19.1		2 000	8	19		2 100	8	18.8		2 150	8	18.5				
5	19.1	41 760	2 600	7	18.6	40 320	1 200	9	19.8	16 720	2 100	6	19.3	36 720	259 920		
2	17.5		625	1	18		600	1	17.8		600	1	18.4				
2	18.5		1 100	12	18.5		1 000	7	18.5		900	4	18.5				
4	18.5	16 200	1 000	5	18.5	16 200	1 000	11	18.5	8 040	100	8	18.5	7 560	93 960		
3	18.5		100	7	18.5		100	9	18.5		100	6	18.5				
10	9.2		900	11	9.2		900	9	9.2		650	11	9.2				
8	9.2	17 000	800	8	9.2	17 000	300	11	9.2	6 000	400	6	9.2	13 500	102 500		
3	9.2		400	11	9.2		100	10	9.2		300	4	9.2				
8	18.4		1 400	9	18.4		1 000	7	18.4		900	7	18.4				
6	18.4	18.900	1 600	6	18.4	17 820	800	11	18.4	5 480	1 000	5	18.5	10 800	112 320		
2	18.4		600	1	18.4		700	1	18.4		600	1	18.4				
9	9.2		6 800	9	9.2		6 000	8	9.2		6 800	11	9.2				
1	9.2	121 000	6 800	6	9.2	118 000	6 400	7	9.3	62 000	6 000	6	9.2	106 000	758 000		
1	9.2		2 400	1	9.2		1 400	1	9.2		2 000	1	9.2				
9	18.6		1 350	9	18.2		1 300	9	18		1 400	11	18.4				
6	18.8	23 500	1 448	6	18.7	24 500	600	11	17.4	9 500	1 300	8	18.3	18 500	142 500		
3	18.6		520	2	18.7		40	6	17.5		0	4	18				
10	18.5		8 700	10	18.5		9 000	9	18.5		5 750	9	19				
3	18.6	154 000	7 300	5	18.5	156 960	5 750	8	19.2	70 500	4 250	7	19	87 840	938 820		
3	19		4 100	3	19		1 500	6	19.5		3 800	3	19				
12	5.2		1 300	10	5.2		1 300	9	5.6		1 300	9	5.2				
7	5.3	36 600	1 500	5	5.2	34 800	1 450	6	5.3	18 000	1 500	8	5.5	38 000	193 800		
3	5.3		800	3	5.3		800	2	5.2		600	3	5.3				
7	18.5		1 350	7	18.3		1 750	7	18.5		1 050	7	19.5				
6	18.3	24 840	1 800	6	18.3	23 760	1 650	6	19.6	11 680	1 950	6	19.6	14 580	152 010		
2	18.6		300	2	18.7		300	2	18.5		300	5	19.5				
10	18.2		*1 046	10	17.8		*1 011	9	17.2		* 647	8	18.7			* Load kVA	
7	18.3	16 740	*1 029	6	18.6	17 550	* 551	12	17.7	7 830	* 788	10	19	13 280	111 500		
2	17.5		* 551	2	17.7		* 365	8	17.6		* 514	2	18.6				
12	5.1		*1 282	12	5.2		*1 124	8	5		* 847	8	5.1				
7	5.2	19 440	*1 331	7	5.2	19 440	*1 038	6	6	9 240	*1 169	8	5.2	14 400	129 130		
2	6		* 411	2	4.9		* 385	2	4.8		* 341	2	5.2				
7	18.6		2 400	7	18.5		2 800	5	18.8		1 900	7	18.5				
7	18.1	45 600	3 200	6	18	44 800	1 200	11	18.3	16 000	1 700	11	18.4	12 800	252 000		
2	18.5		1 450	5	18.5		450	9	19.2		500	6	18.5				
12	8.5		1 950	5	8.4		1 800	9	8.6		1 300	7	8.1				
8	8.7	36 600	2 300	6	8.5	37 800	1 680	8	9.2	19 100	1 400	9	9.3	22 300	228 900		
2	9		830	2	9		820	2	9		750	2	9.2				
	kWh	714 755			kWh	711 210				329 980				480 875	4 328 365		

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

U. S. SECRET
Equals British MOST SECRET

HQ ACMF (Adm. Echelon)
APO 400

HEADQUARTERS
10 MAR 1944
A. C. C.

S-426

ALH/jra
8 March 1944

SUBJECT: Allocation Electrical Rehabilitation Project.

TO : Commanding General, Peninsular Base Section, APO 782, U. S. Army.

1. In conformity with the provisions of radio instructions (Freedom to Flambo - 44768 - Sigs No: 4632 131/Q2) and pursuant to action of the ACMF Central Electrical Board at its meeting on 14 February 1944, the rehabilitation of the electric transmission line from the Capuano Steam Plant in Naples to the Prenestina substation in Rome is allocated to the Commanding General, Peninsular Base Section.

2. The double circuit Volturno line from the Doganella plant to the crossing of the S.M.E. Liri line, the double circuit S.M.E. Frattamaggiore line to Minturno and the F.F.S.S. single circuit line from Minturno to Rome are to be repaired and connected to form a single circuit 60 kv line from the Capuano Steam Plant, Naples, to the Prenestina Substation, Rome.

3. So far as practicable the material required to repair the lines, Capuano to Minturno, is to be obtained by cannibalizing the Volturno line in sections not yet repaired. Similarly material required to repair the F.F.S.S. line, Minturno to Rome, should be procured, so far as practicable, from stock now in possession of the F.F.S.S. and by cannibalizing parts of the S.M.E. 150 kv. Pescara-Frattamaggiore line. The Minturno-Rome line should be constructed with the same insulation and clearance as the original line.

4. In all rehabilitation work the maximum amount of material from damaged and unnecessary lines should be used. The Central Electrical Board will undertake to locate and provide required materials not under the control of Commanding General, Peninsular Base Section, by salvage and cannibalization of other Italian systems including Sicily and Sardinia. Wherever work is done or materials are salvaged in areas not under control of Commanding General, Peninsular Base Section, the Central Electrical Board will inform the proper area authority and arrange for such assistance from that area authority in providing materials and expediting the work as is practicable. When new material or equipment is required which becomes a part of the electrical system, the Commanding General, Peninsular Base Section, should consult the Central Electrical Board as to the source of supply. Items required to be issued from British or American mili-

(over)

U. S. SECRET
Equals British MOST SECRET

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

9 MAR 1944

2461

tary stocks should be procured and authorized in accordance with existing instructions of the respective supply services.

5. Minimum use should be made of Allied military units. Maximum use will be made of Italian commercial firms and civil labor. In connection with payment of services and supplies furnished from Italian resources attention is invited to AFHQ Administrative Memo, No. 95, dated 27 December 1943. Every effort will be made by direct action between Commanding General, Peninsular Base Section and Allied Control Commission to assure that, to the maximum extent practicable, the project is financed both as to labor and materials by the Italian Government.

6. The Commanding General, Peninsular Base Section, is requested to take the necessary steps to secure authority for the use of Allied stores and equipment including accommodation stores and food as may required for the prompt accomplishment of his allocated task.

7. The rehabilitation should provide only reasonable safety and continuity of operation. Special safety features such as double insulator strings and duplicate switches may be ommitted. State safety codes and regulations may be disregarded.

8. The ability to transmit power to Rome within 30 days after the occupation thereof is desired.

F. E. Hartle
Brig Gen USA
Major General,
Chief Administrative Officer.

Copy to: ACMF
ACC
AFHQ
SOS NATOUSA
5th Army
8th Army
2 Dist.
3 Dist.
CEB
AFSC/MTO
RN
DDW Flambo
DCMG "
G-4 "

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

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

WML/mc

ACC/051/PWU

9 March 1944

Subject: Supply of Electric Power for Hemp Industry at Sarno.

To : Colonel W.P. Evans Director, Industry & Commerce Sub-Commission.

1. Ref. your letter of the 5 March inst. Ref. ACC/5056/IC.

2. I have to inform you that Electricity has been made available for the hemp factories which you list.

3. It is essential that the hours of operation and the loading keep within the prescribed limits.

W.M. LAPPER,
Lt. Colonel,
Chief, El & Adm. Division.

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

05177
Rec'd

HEADQUARTERS
ALLIED CONTROL COMMISSION
INDUSTRY & COMMERCE SUB-COMMISSION
APO 394

JSET/jf1

Ref. ACC/5056/IC

5 March 1944

SUBJECT: Supply of Electric Power for Hemp Industry at Sarno

TO : Public Works Sub-Commission
(Attn. Lt. Col. Lapper)

1. Reference to conversation between your Lt. Col. Lapper and our Col. Todd today, we append herewith details of the Electric Power requirements at Sarno for the Hemp Industry.

2. The mills concerned are:

Name	Maximum Power Intake	Consumption per Month
Buchy & Strangman	600 Kw.	110,000 Kw.
Giuseppe Turner & Co.	460 "	50,000 "
Fratelli Franchomme	50 "	25,000 "
Vincenzo Franchomme	20 "	15,000 "

3. We wish to inform you that we attach the highest priority to this request for electric power and have had authority both from Combined Chiefs of Staff and the Allied Forces Local Resources Board to obtain maximum production in this industry.

4. We therefore ask you to take such necessary action as may seem to you possible with a view to seeing that the mills in question, at any rate, receive partially the power that they require.

John S. Todd
Col

fr W. P. EVANS
Colonel
Director, Industry & Commerce
Sub-Commission

Copy to:
Hemp Control Office

78

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

05
76

Subject:- ALLOCATION OF ELECTRIC POWER, 3 DISTRICT.

Chief Engineer,
3 District, C.M.F.

Tel: 3 District Exch. No. 92
Ref: CE 6004/2

6. Mar 44.

ACC Region III - Attention of Col Lapper.

Copy to:- Societa Elettrica della Campania - for action, Please. The installations should be connected without delay as the cuts are made.

Col. TODD, ACC - for information.
11 CRE Wks - " "
73 CRE Wks - " "

An urgent request has been received from ACC for the following Hemp Factories to be connected to the Electric Supply at SALERNO :-

WIRE	KW
Bucly & Strangeram	600
Giuseppe Turner & Co.	460
Fratelli Franchomme	50
Vincenzo Franchomme	20

In order that this may be done a cut to the extent of 1000 KW must be made in the Salerno Torre Cast Electricity loading, 150 KW of which must be in the SALERNO Area.

Will you please notify the Campania Coy. of the installations to be cut, (copy to this office).

The Campania Coy. will then connect the said factories to their system.

For the present these factories are to work during daylight only.

Brigadier, RE 77
Chief Engineer.

PJH.

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

ALLIED MILITARY GOVERNMENT

INTER OFFICE MEMO

From: INDUSTRY & COMMERCE SUB-COMMISSION WJM/EDG.

SUBJECT: Consumption of Electric Energy

TO: Public Works Sub-Commission.

FILE No. ACC/5100/IC

1 March 194 4

1. Attached for information and guidance copy of a report on the availability and consumption of electric energy in Continental Southern Italy.

1 Incl: as above.

W. P. EVANS,
Colonel,
Director, Industry and
Commerce Sub-Commission.

Ref Col Lapper
For your use R.A.J.

76

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

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works & Utilities Sub-Commission
APO 394

WEL/in

ACC/060/PWU

March 3,1944

Subject : Electric Power

TO : HQ., ACSF Adm Echelon) CMF

1. With Reference to your letter of the 27 Feb/44, Ref 131/02 concerning the activities of the Central Electricity Board (Italy). We are informing the Italian Government of the Functions of the Board, as requested.

E. A. JENNY
Lt.Col. C.E.
Director.

copy to CEB File

75

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

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works and Utilities Sub-Commission

El & Adm Div.
JCR/ccb

74

23 Feb 44

ACC/051/PWU

Subject: Steam plant at Reggio.

To : Capt L.W. Laughlin.

1. The Giunghi steam plant at Reggio is only putting out one to three thousand KWH a day and operating figures show a five per cent thermal efficiency. During January they burned 75 tons of oil, at a cost of half a million lire.

2. Since we are supplying the oil and the plant is so inefficient it appears advisable to shut the plant down.

3. Will you go to Reggio and investigate the plant operation and the effect of shutting down on any essential industries. Possibly the hours of operation of power consumers can be staggered to cut off present peak.

4. I am enclosing operating reports on plant for year 1943 and for January 1944.

5. Please make necessary arrangements to have plant shut down at once unless supplies to vital factories are affected. If this is possible stop all fuel supplies and report present stock of fuel.

6. Please discuss the necessary procedure with Lt-Col McCaffrey.

W.M. LAPPER,
Lieut-Colonel,
Chief, El & Adm Div.

Copy to: File ACC/060/PWU.

74

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COPY

CENTRALE GIUNGHI - REGGIO CALABRIA

73

Produzione mensile e spese anno 1943

	Produzione Kwh	Nafta q.li	Nafta L.	Oli lubrificanti Kg.	Oli lubrificanti L.	Materiale varie	Personale	Totale L.
G.	-	-	-	-	-	-	-	-
F.	-	-	-	-	-	-	-	-
M.	-	-	-	-	-	-	-	-
A.	2.250.=	38.70	7.740.=	1.-	40.-	6.36	182.85	3.069.21
M.	-	-	-	-	-	-	-	-
G.	-	-	-	-	-	-	-	-
L.	-	-	-	-	-	-	-	-
A.	-	-	-	-	-	-	-	-
S.	1.800.=	54.90	10.980,=	1,-	40,-	-	162,25	3,294,25
O.	66.030	1.095,75	547.875,=	20,-	800,=	-	4.984,55	553.659,55
N.	36.200	591,30	295.650,=	10,-	400,-	-	3.439,53	299.489;53
D.	38.700,=	615,60	307,800,-	12,=	480,=	74,79	5.034;95	313.389,74
	144.980,=	2.396,25	1170,045,=	44,-	1.760,=	81,15	13.804,13	1,172.902,28

Riepilogo spese

Combustibili	L.	1.170.045,=
Olio lubrificante	"	1.760,=
Materiale vario	"	81,15
Personale	"	13.804,13
Tasse e canoni	"	1.215,90
Appalti (di sola mano d'opera)	"	1.559,=
		1.188.465,18

Prezzi unitari adottati

Nafta:

Aprile-Sett L. 2,= al kg

Ottobre-Dic " 5,= " "

Olio L 40,=

Costo medio del Kw-ora L. 8,197

73

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COPY

CENTRALE GIUNGHI - REGGIO CALABRIA

72

Produzione e spese giornaliere - mese di gennaio 1944

Giorno	Produz Kwh	Nafta q.li	Nafta Lire	Olio lubrif. Kg.	Olio lubrif. L.	Materiale vario	Perschale L.	Totale L.
1	1.350	22.50	15.750,-	15,-	600,-		124,25	16.474,25
2	1.450	22.70	15.890,-				108,10	15.998,10
3	1.550	25,20	17.640,-				184,75	17.824,75
4	2.800,-	38,70	27.090,-				184.75	27.274,75
5	3.750	45,90	32.130,-				196,36	32.326.35
6	1.700	21,60	15.120,-				196,35	15.316,35
7	2.150	39,60	27.720,-			34.93	171,85	27.925,78
8	1.800	35,10	24.570,-			34,71	171,85	24.776,56
9	300	11,70	8.190,-				171.85	8.361,85
10	1.100	18,-	12.600,-				216,45	12.816,45
11	1.000	21,60	15.120,-				216,45	15.336,45
12	1.200	18,-	12.600,-			43.75	216,45	12.860,20
13	1.100	19,80	13.860,-				196,35	14.056,35
14	950	18;90	13.230,-				184,75	13.414,75
15	1.050	19,80	13.860,-				184.75	14.044,75
16	450	14,40	10.080,-				183.80	10.263,80
17	950	19,80	13.860,-				156,65	14.016,65
18	1.300	18,90	13.230,-				184.75	13.414,75
19	1.050	19,80	13.860,-			20,50	171,85	14.052,35
20	1.150	21,60	15.120,-				184,75	15.304,75
21	3.450	52,20	36.540,-				196,35	36.736,35
22	3.500	56.70	39.690,-				196,35	39.886,35
23	1.150	18.90	13.230,-				196,35	13.426,35
24	1.050	21,60	15.120				171,85	15.291,85
25	1.250	20,70	14.490,-				156.65	14.646,65
26	3.000	54,-	37.800,-				183,80	37.983,80
27	1.750	32,40	22.680,-				196,35	32.876,35
28	1.150	21,60	15.120,-				227,60	15.347,60
29	-	-	-				-	-
30	-	-	-				-	-
31	-	-	-				-	-
	44.450	751,70	526.190,-	15,-	600,-	133,89	5.132,40	532.056,29

Costo del Kw-ora L. 11,97

751,7
,22
15034
15034
165374

72

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

Dati serbatoi S.M.E.

71

ARVO

Vol.Serb. mc. 83.187.000
Max invaso ut." 70.857.000 KWh 155.885.400
Quota slm.max invaso ut.m. 1278,5

AMPOLLINO

Vol.Serb. mc. 66.739.000
Max invaso ut. mc. 64.485.000 KWh 141.867.000
Quota slm.max invaso ut.m.1.271

MATESE

Vol.Serb. e
invaso utile mc. 14.400.000 KWh 14.000.000
Quota slm. max invaso ut. m. 1.012

MINISTERO DEI LAVORI PUBBLICI
Ispettorato Superiore del Genio Civile
N A P O L I
U.M.E.T. VI Zona

Napoli 23 febbraio 1944

N: Prot: 176

Alla Commissione Alleata di Control-
lo Sub Commissione di Elettricità
N A P O L I

La Società Meridionale di Elettricità m'informa che per difficoltà di comunicazioni non ha potuto segnalarmi tutti i dati relativi agli impianti idroelettrici per la decorsa settimana.

Pertanto la prima comunicazione a cotesta Commissione avverrà nei primi giorni della settimana prossima e contemplerà i dati relativi a quella in corso.

Segnalo frattanto i seguenti dati pervenutimi circa i livelli nei serbatoi e le disponibilità in KWh al mattino del 21-2-1944

DEPARTMENT OF PUBLIC WORKS
Superior Inspectorate
of Civil Enginering office
N A P L E S
U.M.E.T. OFFICE

Naples 1944 february, 23

N: Prot. 176

To Allied Control Commihe
Su-Commihe of Electricity
N A P L E S

The Southern Electricity Society inform me that, for the difficulty of comunications it cannot give me all the data of hydroelectric istallations of last week.

Consequently the first comunication to this Commihe will done in the first days of next week and it will regard the data of this in course.

I signal in the maintime the following data pervented to me about the levels in the reservoirs and disponibility in KWhs at the morning of 21 february 1944

...llino al 21-2-44 quota liv. m.1263,05 = 61 milioni KWh
" m.1271,92 = 51 " "

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

Alla Commissione Alleata di

lo Sub Commissione di Elettricità

N A P O L I

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Serb.	Ampollino	al 21-2-44	quota	liv.	m.1263,05 =	61 milioni	KWh
"	Arvo	"	"	"	m.1271,92 =	51 "	"
"	Matese	"	"	"	m.1011,03 =	10 "	"

L'Ingegnere Capo del Genio Civile
incaricato pei gas ed elettricità

(Ruggiero Placido)

The Chief Engineer
of Civil Enginering Office
Appointed for Gas and Electricity

(Ruggiero Placido

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

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

[redacted]

PUBLIC WORKS & UTILITIES
SUB-COMMISSION

ROUTING SLIP

File No. _____

Page _____

To:	From	Date
Lt-Col Henry	✓	19/2
✓ Lt-Col Rogers	Le Gate	6/2R 20/2
~~Lt-Col Kemp~~		
✓ Lt-Col Tapper	Lowe	23.2.04
✓ Lt-Col Nelson	2 Lt	20-2
Lt-Col Thornton		
All Friends		

For:

_____ Necessary action
_____ To see me
_____ To note and return
_____ Signature
_____ To forward
_____ Investigation and report
_____ To note and pass on
_____ Recommendation & remarks
Col Tapper ✓ Approval
_____ Information and guidance
_____ Type and return
_____ File

REMARKS: R.J.

File work

69

RESPONSE ACTION _____

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

Internal Transportation Sub-Commission, ACC.,
C/o Mov. & Tn.,
AFHQ Advanced Administrative Echelon,
C. M. F.

Our reference : ACC Tn/106/2

Date : 17 Feb 44.

TO : Public Works and Utilities Sub-Commission, ACC.

SUBJECT : Starting up of Tramways Services.

1. The request for electric power by the Transporti Elettrici della Provincia di Salerno has been investigated.

2. Whilst the Provincial Commissioner Salerno Province is in favour of the resumption of the tramway service between Pompei and Pagani, he is not in favour of the resumption between Pagani and Nocera; this is trolley bus and tends to cause congestion on the roads.

3. The services would, doubtless, be of benifit to the civil populace, but it must be noted that although the services have been suspended since January 16th, no reports of hardship have been received by this Sub-Commission. A representative of the company called on the Sub-Commission, and his chief argument in favour of re-instituting the service was the hardship to the company. Hence it would not appear that the services are essential ones under present conditions.

4. The last paragraph of your letter states that "it is important that electricity be used only for essential services". Therefore, in view of para 3 the Transporti Elettrici della Provincia di Salerno has been informed that for the time being their request cannot be granted.

For your guidance J Rail 19/2

S.A. FITCH,
Colonel,
Director, Internal Transportation Sub-Commission, ACC.

68

05' Rail
69

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

RESTRICTED

200105A C N 3263 TWX 4059 68

RESTRICTED PRIORITY TELEGRAM

RECEIVED AT
PBS SIGNAL MESSAGE CENTER 20 FEB 44

Pub Wards + Util
(above + EPM, Edeson)

RESTRICTED
OPERATIONAL PRIORITY
NONE
FLAMBO ACC
DISTWO
NFT/20
200105A
C152
NONE

Col Crawford
Mr. Eaton
Mr. Gaston

Lt Col. Rapier OST Rec'd
RAJ 21/2

ELECTRIC POWER INTERUPTION DUE TO FAILURE OF CONTROL PLANT. ANTICIPATE PARTIAL SUPPLY TONIGHT LIMITED TO 40 PERCENT NORMAL. HOPE NORMAL SERVICE IN 48 HOURS. MEANWHILE SUPPLY LIMITED TO LARGE TOWNS AND SELECTED AREAS. HOSPITALS AND OTHER IMPORTANT LOADS WILL BE GIVEN PRIORITY. INSTRUCTIONS HAVE BEEN SENT TO CRES OF ABROAD THROUGH RE CHANNELS. ALL INFORMED.

PBS DISTR:

Info....Hq ACC
Engr
G 4
Secy
CG

ACC DISTR:

Info.....Sec.Gen
Dep C C
C A Br
Econ Sec (2)
Pub Health Sec(Rear)
File
Flest

67

RESTRICTED

20 Feb 44

-15165-

Copy No....11....

A.C.M.F. C.E.B.

14 Feb 44

A.C.M.F. CENTRAL ELECTRICAL BOARD

1. The first meeting of the ACMF Central Electrical Board was held at 1030 hrs 13 Feb 44, at the office of DDW FLAMBO.

Present :- Brigadier N.A. Cornwall Rogers, CBE DSO, CE ACMF (Chairman)
Colonel James P. Growdon, DSO, (Vice-Chairman)

and representatives of :-

D.D.W.
P.D.S.
A.C.C. (Economic Section) (Mr. R. Tirana)

2. The Chairman went in detail through the terms of reference to acquaint everyone present of the function of the Board. The Chairman stated that it might not be possible for him to attend all meetings and therefore the Vice-Chairman would be responsible in his absence.

3. After long and detailed discussion on the allotment of the work of rebuilding the transmission line to ROME, it was agreed that PBS would immediately take over responsibility for the work at present being done. It was further agreed that PBS would examine the project for completing the line to ROME, and in conjunction with DDW, SCE and ACC work out what additional resources are required to carry out this work.

4. It was decided that DDW would be responsible for all work in connection with the preparation of floating emergency power equipment for ROME, co-ordinating the work with the Navy in getting the generators on LCTs and investigating the generators at TARANTO. Of the 5 generators under the control of DDW, 4 would be made available for the Board and 2 No 25 KW in lieu of the fifth. PBS undertook to arrange release of Generator in NAPLES port and to inform DDW who would thereafter be responsible for having it installed in the LCT by the Navy.

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

Colonel James P. Growdon, DSC, (Vice-Chairman)

and representatives of :-

D.D.W.
P.B.S.
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5. A telegram received by Mr GRADY from AGWAR was read by the Vice-Chairman, and also Mr. GRADY's reply. As a detailed reply was required to this telegram, responsibility for this was delegated to the Vice-Chairman who would co-ordinate suggestions from PBS and DDW.

6. In view of the changed political situation consequent upon the handing back to the Italian Government of Southern Italy, confirmation is required that control of electric power of the country and its distribution remains with the Commander ACMF. ACC to verify and inform the Vice-Chairman.

66

7. It was agreed that it was desirable to restrict the number of people approaching the SCE direct without prior authority from the Board. It was decided that a draft letter should be prepared and sent to ACC. Action by Vice-Chairman.

8. The second meeting will be at 0900 hours on 20 Feb 44 at the office of DDW FLAMBO.

James P. Growdon
Colonel
ACMF Central Electrical Board

DISTRIBUTION
1-3 D.C.A.O.
4-6 CG, PBS.
7-8 CE, ACMF
9-10 DDW FLAMBO
11-12 Chief Commissioner ACC
13-15 Vice-Chairman, CEB
16-17 Liaison Officer, Western Italy
18 ED/CAO
19 Q1
20 DQMG
21 File
22-32 Spare

(only 2 copies received)

157 6 39

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

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

COPY

Ref - ACC/4005/L

To: Adm. Sec.

Ref. para. 4 of FWU letter

Where in unoccupied territory utility rates have been fixed by or under a joint decree it follows that rates can only be altered by utilising the appropriate machinery of the Italian Administration and A.C.C. cannot itself alter the rate. Whether the Italian Adm. can alter the rate by a decree only, or whether it may be done merely by an administrative instruction or order or even by an order of the commune must depend on the circumstances of each particular case.

Although A.C.C. can itself alter the rate in occupied territory it would seem desirable to coordinate policy beforehand with the Italian Government.

(Signed) Col. UPJOHN.

22 Feb. 44.

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

LAJ/efe 66

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works & Utilities Sub-Commission
APO 394

ACC/051/PWU

18 February 1944

Subject: Decree by Italian Government Permitting Rate Increases.

To : Vice President, Economic Section, ACC.

1. Sometime in 1935, and again either in 1938 or 1939, the Fascist Government had issued decrees freezing utility rates with the understanding that losses sustained by these utilities would be made good in some form of subsidy by the Government.

2. When requests were made for rate increases in Sicily, and these were discussed with Gen. McSherry, I was advised that, although rate increases seemed quite proper, we could not permit rate increases until the Italian Government had passed a decree cancelling the former decrees and permitting these increases; that in the meantime these companies would have to borrow money from the banks to cover monthly deficits with the understanding that these banks be later reimbursed by the Italian Government. A letter along these lines was sent officially to the General Elec. Co. of Sicily.

3. While at Brindisi I discussed this question with some of our head officials there and I was again advised that the stand taken by Gen. McSherry was quite correct and that I should ask the Minister of Public Works to have such a decree passed by his Government. I did so. Since that time I have asked the Minister on several occasions what the status was and was advised that their Finance Minister was holding this up as he had no authority from our Finance Sub-Com. to consent to such a decree.

4. I fully appreciate that we as A.M.G. may do what we consider proper in A.M.G. territory, but I am not certain whether such increases can be granted in the Kings Italy without such a decree. Will you, therefore, please obtain a legal opinion on this subject and advise me.

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L. A. JENNY,
Lt.Col.,C.E.R.
Director.

14 FEB 1944

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MINISTERO DEI LAVORI PUBBLICI
ISPETTORATO SUPERIORE DEL GENIO CIVILE
N A P O L I

DEPARTMENT OF PUBLIC WORKS
SUPERIOR INSPECTORATE OF
ENGINEERING
N A P L E S

O G G E T T O :

COMMISSIONE ALLEATA DI CONTROLLO
SUB-COMM. LAVORI PUBBLICI E MINIERE
QUARTIERGENERALE
N A P O L I

ALLIED CONTROL COMMISSION
SUB-COMM. PUBLIC WORKS AND MINE
HEADQUARTERS
N A P L E S

In merito ai progettati provvedimenti per limitare il consumo di energia elettrica in vista sia delle scarsità di energia disponibile che di eventuale maggior bisogno per le zone da liberare o di eventuali maggiori altri bisogni, vi comunico quanto segue :

E' da premettere che la energia viene attualmente prodotta in massima parte dalla S.M.E. nei suoi impianti della Sila, Tanagro, Tusciano, Matese e piccoli minori.

In conformity with provided measures to limity the electric power consumption in consideration either of dearth of usable power or of eventual greater needs for the liberating zones, or of eventual other greater needs I inform you about what follows :

It takes for granted that the power actually is in greater part produced by S.M.E. in its installations of Sila, Tanagro, Tusciano, Matese and little smaller.

With the special Allied Military

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COMMISSIONE ALLEATA DI CONTROLLO
SUB-COMM. LAVORI PUBBLICI E MINIERE
QUARTIERGENERALE

N A P O L I

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E' da premettere che la energia viene attualmente prodotta in massima parte dalla S.M.E. nei suoi impianti della Sila, Tanagro, Tusciano, Matese e piccoli minori.

Con l'apposita Commissione Militare Alleata (Colonnello Growdon) la S.M.E. elabora il piano della produzione e ripartizione in base alle effettive attuali e future condizioni degli impianti alle possibilità di trasformazione e conduzione ed in base alle richieste.

ALLIED CONTROL COMMISSION
SUB-COMM. PUBLIC WORKS AND MINE
HEADQUARTERS

N A P L E S

In conformity with provided measures to limity the electric power consumption in consideration either of dearth of usable power or of eventual greater needs for the liberating zones or of eventual other greater needs I inform you about what follows :

It takes for granted that the power actually is in greater part produced by S.M.E. in its installations of Sila, Tanagro, Tusciano, Matese and little smaller.

With the special Allied Military Committe (Col. Growdon) the S.M.E. elaborates the plan of production and distribution considering the actual and next real conditions of installations and the transforation and conduction possibility and in according with the requests.

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Gli Uffici del Ministero in Roma cui pel passato si trasmettevano i dati ezano in possesso di essi prima del Settembre. Dopo noi non li abbiamo più avuti, ma il servizio di segnalazione sarà immediatamente riattivato attraverso l'organizzazione U.M.E.T. ed il Servizio Idrografico di questo Ministero dei Lavori Pubblici.

Si riterrebbe necessario anche che nella Commissione Militare di Lavoro delle Società con gli Alleati, che fa capo al Colonnello Growdon, venga incluso un funzionario del Ministero dei Lavori Pubblici da me delegato (il Capo della VI^ Zona Ufficio UMET).

Circa ~~Con~~ la limitazione dei consumi se in linea di massima essa è certamente utile specie per quanto riguarda i serbatoi, che erano svasati, è da tener presente che vi sono derivazioni dirette da fiumi e che i serbatoi sono in fase di riempimento perchè siamo appena a metà della stagione invernale delle piogge; e si può anche esaminare se può consentirsi, qualora le piogge non mancheranno, tutti i maggiori invasi, proteggendo convenientemente le dighe dagli attacchi aerei.

The Offices of Department in Rome, to which before we used to send the data, had them before september. After we no more have had them, but the information service will be immediately re-established with the organisation U.M.E.T. and Hydrographic Service of this Department of Public Works.

We deem necessary also that, into the Military Works Committe of Societies with Allieds, which leads to Col. Growdon, one emploied of Dep. P. W. may include committed from me (the Chief of VI^ Zone U.M.E.T.).

About the consumptions limitation if generally it is very useful specially with regard of reservoirs, which were unput, it is necessary to bear in mind that there are derivations direct from rivers, and that the reservoir are in phase of filling because we are solely in mean of wintry season of the rains; ~~and~~ we can also examine if we must consent, when the rains will occurr, all the greater accumulations with the convenient dams protection by air raids.

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E' inoltre da tener presente :

a) che andiamo incontro nel= l'Italia Meridionale alla stagione primaverile in cui necessita minore riscaldamento elettrodomestico e minore consumo di luce;

b) fra breve si spera riatti= vare il servizio riscaldamento a gas per tutta Napoli;

c) con Marzo già i diagrammi giornalieri delle sovrapposizioni dei tipi di consumo si va appiat= tendo riducendosi moltissimo le pun= te critiche di questo periodo.

In tesi generale si può emette= re dal Ministero dei Lavori Pubblici il proclama di raccomandazione di cui vi ho sottoposto la minuta e se occorre si potranno anche emettere ordini e decreti dai Ministeri com= petenti restrittivi sul tipo di quel li che sono stati emessi pel passato per sopperire alle stagioni magre di piogge.

Circa i tipi di limitazione ec= co quanto si pensa sulle vostre

It is besides necessary to take for granted that :

a) in Southern Italy we draw to the spring, in which a shorter electric homely heating is necessary and a shorter light consumption.

b) in short we hope to re= establish the heating with gas for all Naples.

c) with March still the daily diagrams of the types superposition of consuptions are concealing, redu= cing very much the critic top of this period.

As general rule we can issue from Department of Public Works the order of recommendation of wich I had submitted the draft, or if it is necessary orders and restrictive decree can issue from competent Departments patterned after those issued before to meet the seasons poor of rains.

About the types of limitations there are what it is deemed on your

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riscaldamento elettrodomestico e minore consumo di luce;

b) fra breve si spera riattivare il servizio riscaldamento a gas per tutta Napoli;

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Circa i tipi di limitazione ecco quanto si pensa sulle vostre proposte.

I°) Consumatori di energia per usi domestici.

La limitazione potrà andare fino al 50% del 1942, ma non oltre

electric homely heating is necessary and a shorter light consumption.

b) in short we hope to re-establish the heating with gas for all Naples.

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As general rule we can issue from Department of Public Works the order of recommendation of wich I had submitted the draft, or if it is necessary orders and restrictive decree can issue from competent Departments patterned after those issued before to meet the seasons poor of rains.

About the types of limitations there are what it is deemed on your porposed.

I°) Consumers of power for ~~homely wears.~~ Domestic uses

The limitation would ~~go untill~~ reduce to 50% of 1942, but not beyond, because

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perchè il I942 è stato già un'anna= ta di magra con restrizioni allora i imposte.

La prescrizione dovrebbe esse= re limitata agli utenti che utiliz= zano energia prodotta dalla S.M.E. ed E.A.V..

L'esperienza ha dimostrato che è difficile praticamente ottenere la limitazione dalle centinaia di migliaia di utenti, ed il controllo riesce tardivo rispetto al periodo in cui occorrerebbe ridurre il con= sumo.

Nè si può tagliare la fornitu= ra per zone poichè vi capitano inclu si servizi insopprimibili e quelli che interessano gli Alleati.

b) Piccoli consumatori di energia per usi industriali.

La sospensione di energia alle piccole fabbriche e imprese, ed ai piccoli consumatori è provvedimento delicato di carattere sociale a gra= vi conseguenze nella tranquillità e pel sostentamento economico delle classi lavoratrici.

In base alle varie categorie di

the I942 is been still a poor year with limitation then imposed.

The prescription would be limited to the consumers which use power produ= ced from S.M.E. and E.A.V..

The experience has proved that is difficult in practice to obtain the limitation from hundreds of thousands of consumers, and the control is slow in accordance with the period in which a consumption limitations should necessary.

Neither the fournishing must be suppressed for zones, because are eclosed necessary services and those interesting the Allieds.

b) Little consumers of power for industrial wears.

The discontinuance of power to little industries and to little con= sumers is a delicate measure of social caracter with heavy consequences for the tranquillity and for economical subsistance of the working class.

Considering the varius categorus

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ed E.A.V..

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Nè si può tagliare la fornitura per zone poichè vi capitano inclusi servizi insopprimibili e quelli che interessano gli Alleati.

b) Piccoli consumatori di energia per usi industriali.

La sospensione di energia alle piccole fabbriche e imprese, ed ai piccoli consumatori è provvedimento delicato di carattere sociale a gravi conseguenze nella tranquillità e pel sostentamento economico delle classi lavoratrici.

In base alle varie categorie di industrie si potrà vedere piuttosto se conviene imporre spostamenti di turni di lavoro, orari ridotti riposi settimanali alternati.

The experience has proved that is difficult in practice to obtain the limitation from hundreds of thousands of consumers, and the control is slow in accordance with the period in which a consumption limitations should necessary.

Neither the fournishing must be suppressed for zones, because are eclosed necessary services and those interesting the Allieds.

b) Little consumers of power for industrial wears.

The discontinuance of power to little industries and to little consumers is a delicate measure of social caracter with heavy consequences for the tranquillity and for economical subsistance of the working class.

Considering the varius categories of industries we can rather see if it is more ~~necessary~~ advisable to impose changes of ~~works turns~~ working hours, reduced times ~~rests~~ shut down weekly alternate.

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c) Illuminazione stradale.

Quando vi sarà bisogno, potrà essere eliminata, specie durante le ore di coprifuoco, nei piccoli centri e nelle ore di chiarore lunare.

d) Importanti consumatori di elettricità per usi industriali.

Classificate le varie specie di consumatori e separate le indispensabili da quelle non indispensabili si può per la prime prescrivere turni combinati, riposi settimanali sfasati e magari raddoppiati, eliminazione degli sprechi, mentre per le seconde e fino a che sarà possibile fornire l'energia anche se ridotta, invitarli a presentare alla Commissione un piano delle economie di energia che potrebbero realizzare, magari sostituendo, con l'aiuto degli Alleati altra forma di energia dove possibile.

Qui il controllo delle Società può esercitarsi più facilmente ed ef=

c) Road lighting.

When it is necessary, it will must been eliminated, specially during the curfew, in the small towns countries, and in the hours of lunar light.

d) Great consumers of electric power for industrial wears.

After classed the various types of consumers and separated these needful from the not needful, for the first, we can fix combined turns, weekly alternate rests and also redoubled, wastes elimination, whilst for the second and untill it will be possible to fournish the power also if reduced, we can invite them to present to the Committe a plan of power economies which they must realize, also replacing with the Allied aid other specimen of power when it is possible.

Here the control of Societies can be effected more easily and efficien=

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d) Importanti consumatori di elettricità per usi industriali.

Classificate le varie specie di consumatori e separate le indispensabili da quelle non indispensabili si può per la prime prescrivere turni combinati, riposi settimanali sfasati e magari raddoppiati, eliminazione degli sprechi, mentre per le seconde e fino a che sarà possibile fornire l'energia anche se ridotta, invitarli a presentare alla Commissione un piano delle economie di energia che potrebbero realizzare, magari sostituendo, con l'aiuto degli Alleati altra forma di energia dove possibile.

Qui il controllo delle Società può esercitarsi più facilmente ed efficacemente a mezzo delle ispezioni.

In tale intesa è possibile aderire a tutti i cinque punti che indicate per questo tipo di consumatori.

L'INGEGNERE CAPO
INCARICATO PER IL GAS E L'ELETTRICITA'
(Placido Ruggiero)

V° IL PRESIDENTE

light.

d) Great consumers of electric power for industrial wears.

After classed the various types of consumers and separated these needful from the not needful, for the first, we can fix combined turns, weekly alternate rests and also redoubled, wastes elimination, whilst for the second and untill it will be possible to fournish the power also if reduced, we can invite them to present to the Committe a plan of power economies which they must realize, also replacing with the Allied aid other specimen of power when it is possible.

Here the control of Societies can be effected more easily and efficiently with some inspections.

With such agreement it is possible comply with all the 5 points that you indicate for this type of consumers.

THE CHIEF ENGINEER APPOINTED
FOR GAS AND ELECTRICITY
(Placido Ruggiero)

V.a THE PRESIDENT

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Notizie relative
agli ammassi nei luoghi autorizzati

Il 12-2-1944

		quota	Kilg
Serbatoi:	Arco	1272.06	53,072800
	Angelino	1262.80	58,549920
	Matese	1011.11	10085405
	Mons Lucano		

Il 14-2-1944

Arco	1272.02	52.800
Angelino	1262.89	59.286.480
Matese	1011.10	10.056.775

14 FEB. 1944

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MINISTERO DEI LAVORI PUBBLICI
ISPETTORATO SUPERIORE DEL GENIO CIVILE
N A P O L I

O G G E T T O : ELETTRICITA'

COMMISSIONE ALLEATA DI CONTROLLO
SUB-COMM. LAVORI PUBBLICI E MINIERE
QUARTIERGENERALE
N A P O L I

In risposta ai vostri quesiti, vi comunico quanto segue :

I°) Fin da quando ebbe inizio la guerra furono stabilite norme generali di protezione e sicurezza per le dighe e serbatoi, fra cui quelle di tenere più basso del massimo il livello d'invaso.

Tale limitazione è stata stabilita a secondo dei serbatoi e del tipo delle dighe (fra I/2 a 2/3 della altezza massima).

Per i serbatpi dell'Italia Meridionale mentre alcuna limitazione è

DEPARTMENT OF PUBLIC WORKS
SUPERIOR INSPECTORATE OF
ENGINEERING
N A P L E S

O B J E T : ELECTRICITY

ALLIED CONTROL COMMISSION
SUB-COMM. PUBLIC WORKS AND MINE
HEADQUARTERS
N A P L E S

In answer to your requestes I comunicate what follows :

I°) ~~Till of when~~ At the time began the war ~~is be=gined~~ were established general protection and security arrangements for the dams and reservoirs, among which ~~those to keep more low of the maximun~~ was in order to lower the water level the water level.

Such limitation ~~has~~ been established ~~in according with~~ depending on the Reservoirs and the type of the dams (between I/2 and 2/3 of the maximum).

For the reservoirs of the Southern Italy, while no one limi=

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O G G E T T O : ELETTRICITA'

COMMISSIONE ALLEATA DI CONTROLLO
SUB-COMM. LAVORI PUBBLICI E MINIERE
QUARTIERGENERALE
N A P O L I

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Tale limitazione è stata stabilita a secondo dei serbatoi e del tipo delle dighe (fra I/2 a 2/3 della altezza massima).

Per i serbatpi dell'Italia Meridionale mentre alcuna limitazione è necessaria per il Matese, furono adottate precauzioni per quelli della Sila, di Muro Lucano e specie per i serbatoi della Sardegna.

O B J E T : ELECTRICITY

ALLIED CONTROL COMMISSION
SUB-COMM. PUBLIC WORKS AND MINE
HEADQUARTERS
N A P L E S

In answer to your requestes I comunicate what follows :

I°) ~~Till of when~~ At the time began the war ~~is begined~~ were established general protection and security arrangements for the dams and reservoirs, among which ~~those to keep more low of the maximun~~ was in order to lower its water level the water level.

Such limitation ~~has~~ been established ~~in according with~~ depending on the Reservoirs and the type of the dams (betwen I/2 and 2/3 of the maximum).

For the reservoirs of the Southern Italy, while no one limitation is necessary for "Matese" precautions were taken for these of Sila, Muro Lucano, and expecially for the reservoirs of the Sardinia.

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2°) L'ordine fu emanato dal Ministero dei Lavori Pubblici giusto accordi col Comando Genera= le Militare fin quasi all'inizio della guerra, e fu generalmente os servato insieme alle altre norme di protezione contro i bombarda= menti aerei (difesa attiva e pas= siva).

Esso è stato strettamente osservato fino al presente specie per i serbatoi più esposti.

3°) La perdita di capacità di immagazzinamento in kWh per ogni serbatoio causata dalla li= mitazione di livello sarebbe no= tevole e potrebbe essere ricavato dai diagrammi delle capacità in funzione dei livelli.

La disposizione di tenere più bassi i livelli è imposta dal la sicurezza dei paesi, terreni e vie di comunicazioni che sarebbe= ro distrutti dalle piene conse= guenti alla rovina delle dighe per effetto di bombardamenti aerei.

Noi non possiamo autorizzare di abolire tali limitazioni poichè

2°) The order was issued by the Departement of Public Works according with the General Military Government till almost the begin of the war and it was generally observed together the other rules of protection against the air bombardaments (active and passive defense).

It has been strictly observed till now specially for the reservoirs more exposed.

3°) The loss of storace capacity in kWh for each reservoir, caused from the limitation of the level would been remarcable, and it will may be deduced by the diagrams of the capacities in fonction of the levels.

The arrangement to keep more low the levels is imposed from the security of the towns, earthlies and comunication streets, that would be destroyed by the floods which may be caused by bombing of dams.

We cannot autorize to abolish such limitations, because the Allied and Italian Military Autorities,

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menti aerei (difesa attiva e passiva).

Esso è stato strettamente osservato fino al presente specie per i serbatoi più esposti.

3°) La perdita di capacità di immagazzinamento in kWh per ogni serbatoio causata dalla limitazione di livello sarebbe notevole e potrebbe essere ricavato dai diagrammi delle capacità in funzione dei livelli.

La disposizione di tenere più bassi i livelli è imposta dalla sicurezza dei paesi, terreni e vie di comunicazioni che sarebbero distrutti dalle piene conseguenti alla rovina delle dighe per effetto di bombardamenti aerei.

Noi non possiamo autorizzare di abolire tali limitazioni poichè dovrebbero farlo l'Autorità Militare Alleata ed Italiana caso per caso a secondo del rischio e se ritiene efficaci le protezioni antiaeree realizzabili oppure ormai insussistenti il pericolo di bom=

passive defense).

It has been strictly observed till now specially for the reservoirs more exposed.

3°) The loss of storace capacity in kWh for each reservoir, caused from the limitation of the level would been remarcable, and it will may be deduced by the diagrams of the capacities in fonction of the levels.

The arrangement to keep more low the levels is imposed from the security of the towns, earthlies and comunication streets, that would be destroyed by the floods which may be caused by bombing of dams.

We cannot autorize to abolish such limitations,because the Allied and Italian Military Autorities, would must do it, case for case, according to the risk and if it is retained sufficient the air protection that is possible to realise, or if now it is insussistence the

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bardamento aereo nelle varie località interessate.

4°) La S.M.E. ha informato che durante il I943 alla Sila non è stato necessario gettare le acque a rifiuto attraverso gli scaricatoi di fondo, nè si è verificato sfioro perchè l'annata è stata scarsa di piogge ed il Ministero ha consentito di non tenere bassi i livelli nei serbatoi.

Alla Sila solo le tubazioni venivano vuotate negli allarmi ciò che ha provocato inconvenienti.

Non si conosce quello che è successo nei serbatoi della Sardegna per mancanza di notizie.

5°) La Commissione che fa capo al vostro Colonnello Growdon possiede già la carta delle linee di trasmissione, delle centrali di produzione, di trasformazione ed i prospetti illustrativi della loro potenzialità e stato attuale. Se ve ne occorre altra copia ve la farò tenere.

6°) Ogni martedì a cominciare dal prossimo 2I Febbraio vi saranno comunicate le notizie che richiedete

danges of the air bombing in the varions localities that interessing.

4°) The S.M.E. has informed that during the I943 at Sila it has not necessary to run water to waste by by-passing, neither it is verified overflow because the year has been scarce of rain and the Department of Public Works has autorized do not kept low the levels in the reservoirs.

At the Sila only the piping were empied during the alarms, and this has caused some inconveniences.

It is not known that happened at the reservoirs of the Sardinia because we have no notices.

5°) The Commission in which is the Colonel Growdon, has the plain of the transmission lines, of the generating and transformation stations and the illustrative reports of their power and situation at present. If it is necessary for you one other copy we can furnish it.

6°) Every Monday we shall sand you, beginning the next 2I February

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di fondo, nè si è verificato sfioro perchè l'annata è stata scarsa di piogge ed il Ministero ha consentito di non tenere bassi i livelli nei serbatoi.

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6°) Ogni martedì a cominciare dal prossimo 2I Febbraio vi saranno comunicate le notizie che richiedete col vostro punto 7 secondo il modello quì unito.

L'INGEGNERE CAPO

(Placido Ruggiero)

V° il PRESIDENTE

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5°) The Commission in which is the Colonel Growdon, has the plain of the transmission lines, of the generating and transformation stations and the illustrative reports of their power and situation at present. If it is necessary for you one other copy we can furnish it.

6°) Every Monday we shall sand you, beginning the next 2I February the notices that you request in the 7 th point of your letter, as the model here enclosed.

THE CHIEF ENGINEER APPOINTED
FOR ELECTRICITY AND GAS

(Placido Ruggiero)

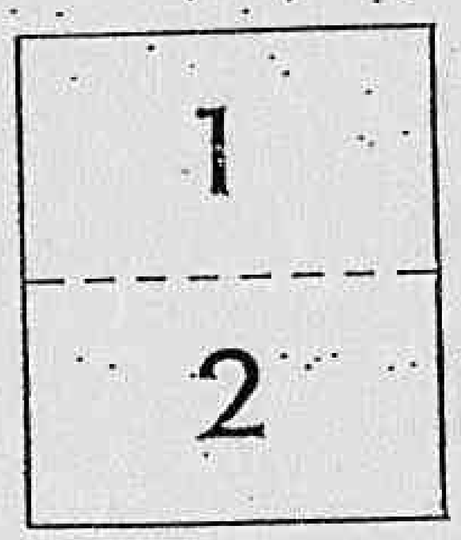
V.a The President

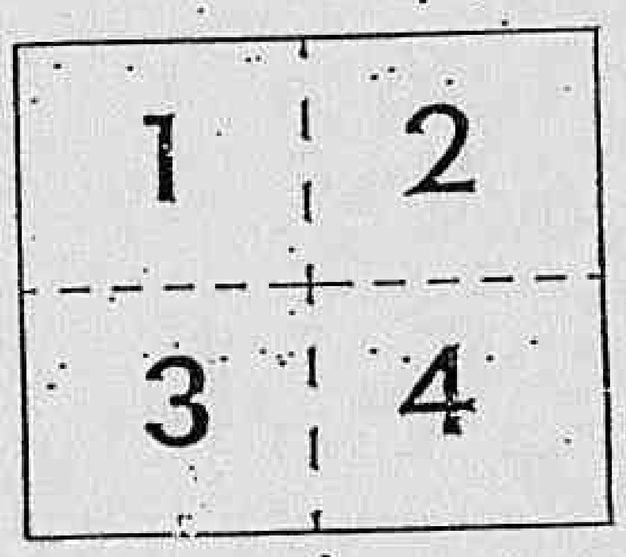
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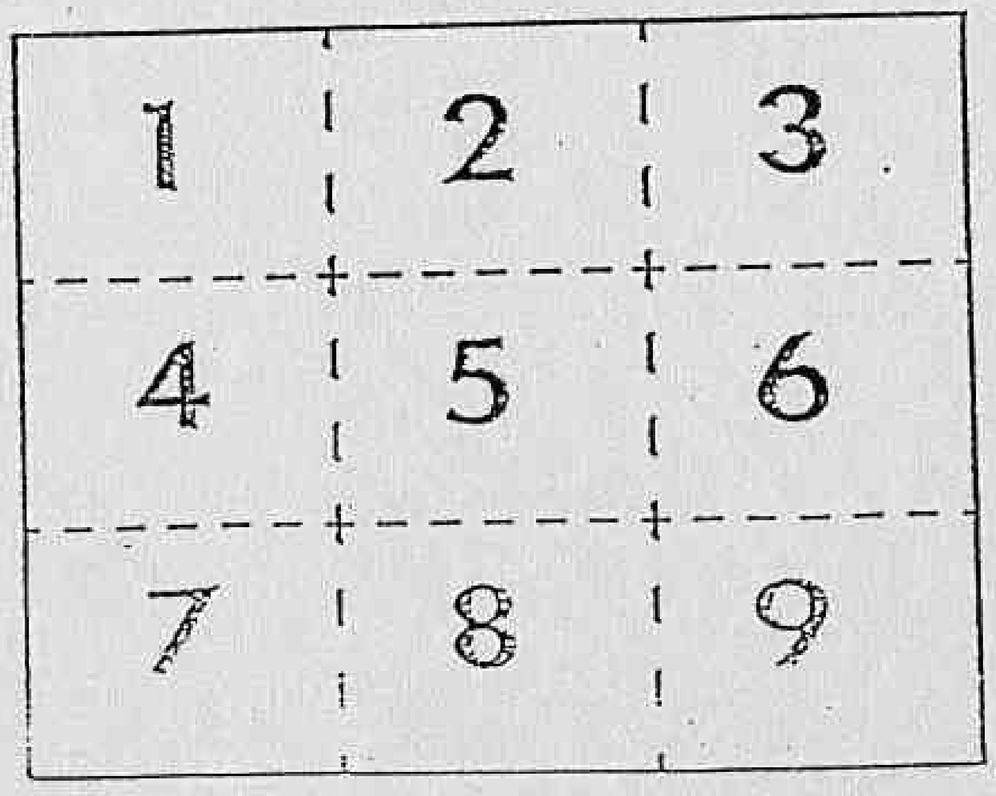
SECTION 515/NND No. 785019

MAPS AND CHARTS TOO LARGE TO FILM
ON ONE EXPOSURE ARE FILMED CLOCKWISE
BEGINNING IN THE UPPER LEFT CORNER,
LEFT TO RIGHT, AND TOP TO BOTTOM.

SEE DIAGRAMS BELOW.







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

60

SOCIETÀ....

RAPPORTO SETTIMANALE DAL GIORNO ..... AL
DI ESERCIZIO DELLE CENTRALI, SER

CENTRALE O SERBATOIO		GIORNO DELLA SETTIMA									
		Lunedì		Martedì		Mercoledì		Giovedì		Venerdì	
KWh x 10^3 erogati dalla centrale di	Sila-Orichella " Timpagrande " Calopia Matese I° salto Tusciano Tanagro Muro Lucano										
		KW x 10^3	Ora	KW x 10^3	Ora	KW x 10^3	Ora	KW x 10^3	Ora	KW x 10^3	Ora
Punta in KW x 10^3 ed ora in cui si è verificata	Sila-Orichella " Timpagrande " Calopia Matese I° salto Tusciano Tanagro Muro Lucano			-	57						
		KWh x 10^6	m.	KWh x 10^6	m.	KWh x 10^6	m.	KWh x 10^6	m.	KWh x 10^6	m.

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

60

SOCIETA'.....

TIMANALE DAL GIORNO ..... AL GIORNO ..... MESE ..... ANNO .....

DI ESERCIZIO DELLE CENTRALI, SERBATOI, LINEE E SOTTOSTAZIONI

GIORNO DELLA SETTIMANA					Potenza efficiente disponibile allo inizio della settimana - KW. -		Variazione nella settimana nella potenza efficiente disponibile		A
Mercoledì	Giovedì	Venerdì	Sabato	Domenica	in esercizio	di riserva	in aumento	in diminuzione	

a	KW x 10^3	Ora	KW x 10^3	Ora	KW x 10^3	Ora	KW x 10^3	Ora	KW x 10^3	Ora

57

.	KWh x 10^6	m.	KWh x 10^6	m.	KWh x 10^6	m.	KWh x 10^6	m.	KWh x 10^6	m.

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

MESE ANNO

SOTTOSTAZIONI

enico	Potenza efficiente disponibile allo inizio della settimana - KW. -		Variazione nella settimana nella potenza efficiente disponibile		ANNOTAZIONI
	in esercizio	di riserva	in aumento	in diminuzione	

Ora	
m.	

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

		KW x 10^3	Ora	KW x 10^3	Ora	KW x 10^3	Ora	KW x 10^3	Ora	KW x 10^3	Ora
Punta in KW x 10^3 ed ora in cui si è verificata	Sila-Orichella » Timpagrande » Calosia Matese I° salto Trusciano Tanagro Muro Lucano				57						

			KWh x 10^6	m.	KWh x 10^6	m.	KWh x 10^6	m.	KWh x 10^6	m.	KWh x 10^6	m.
KWh x 10^6 disponibile alle ore 8 e quota di invaso	Sila	Arvo Ampollino Matese Muro Luc.										

Notizie sommarie circa variazioni e vicende avvenute nell'esercizio delle linee e sottostazioni	Linee o sottostazioni ---------- ---------- ---------- ---------- ---------- ----------

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

a	KW x 10^3	Ora	KW x 10^3	Ora	KW x 10^3	Ora	KW x 10^3	Ora	KW x 10^3	Ora

57

.	KWh x 10^6	m.	KWh x 10^6	m.	KWh x 10^6	m.	KWh x 10^6	m.	KWh x 10^6	m.

oni

TIMBRO E FIRMA

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

Ora

m.

TIMBRO E FIRMA

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

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works and Utilities Sub-Commission

El & Adm Div.
WML/ocb

ACC/060/PWU

15 Feb 44

Subject: Electricity Supplies.

To : Deputy Chief Adm. Officer,
AFHQ Adv Adm Echelon.

1. Reference your letter of 4 Feb 44 to No 2 Dist, No 3 Dist and PBS, with copies to this Sub-Commission, regarding the control of electricity supplies in occupied Italy.

2. This matter has been having our attention and the schedule attached to your letter giving the maximum limits of supply for each area will, it is understood, be the subject of discussion at the Area Allocation Committee meetings.

3. We have already received a communication from PBS and No 2 Dist and are proceeding with arrangements for an ACC/AMG representative to attend the Electricity Allocation meetings.

4. In connection with the suggestion in para 4 of your letter, that one officer only shall be allowed to approach the Local Supply Companies in each area, I presume that this arrangement would not include the ACC representatives, who must, due to our functions, have free access in order to meet the many and varied problems which we have to discuss with public utility concerns and also matters on which they come to us for decisions.

5. Discussions have taken place with the Italian Government officials regarding methods for the rationing of electricity for civilian use, and immediately this is available in final form a copy will be forwarded to you.

W.M. LAPPER,
Lieut-Colonel,
Chief, El & Adm Div.

Copy to: File ACC/051/PWU. ✓

56

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

WML/ccb 58

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works and Mines Sub-Commission

5 Feb 44

ACC/051/PWM

Subject: Economy in Electricity.

To : HQ Commandant.

1. As there is likely to be a serious shortage of electrical energy available throughout the area of Italy now occupied by the Allied Forces it is of paramount importance that the strictest economy be made by all concerned in its use.

2. An economy drive is being instituted by this Sub-Commission and arrangements are being made whereby civilian users of electricity must immediately reduce the amount of energy which they have been taking and practice the utmost economy.

3. We shall be glad to have your cooperation in this matter and as a first stage would suggest that a notice, as sample attached, be affixed immediately below each electric light switch in all offices and corridors in the Provincia Building and other buildings under your control.

L.A. JENNY,
Lt-Col., C.E.
Director.

55

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

File "O"

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works and Utilities Sub-Commission

El & Adm Div
WML/ccb

57

ACC/051/PWU

14 Feb 44

Subject: Starting up of Tramway Service.

To : Transportation Sub-Commission

1. Attached is a letter dated 8 Feb 44 which has been received from the Trasporti Elettrici della Provincia di Salerno, and which was followed up by a visit to this office of the direttore for the purpose of obtaining permission to start up a tramway service between Pompei and Pagani and also Pagani and Nocera.

2. You will see that Major Denning, the Public Works and Utilities officer in the Salerno Province has signed the request and he has informed us that the service is of a civilian character and will to some extent be used by work people.

3. As this is a Transportation matter it is passed to you for necessary action.

4. In view of the shortage of electrical energy it is important that electricity be used only for the essential services and no doubt you will keep this in mind in your consideration of this matter.

W.M. LAPPER,
Lieut-Colonel,
Chief, El & Adm Div.

Copy to: File ACC/060/PWU.

noted 14/2/44

2000-1-12-940

TRASPORTI ELETTRICI DELLA PROVINCIA DI SALERNO

SEDE SOCIALE ROMA

DIREZIONE E AMMINISTRAZIONE

SALERNO

PIAZZA UMBERTO I. N. 1

Telegrammi T E P S - SALERNO

Telefono N. 26-04 - 26-52

N. .....

Oggetto: .....

Allegati: .....

Salerno, li 8 febbraio 1944

Spett. A L L I E D M I L I T A R Y
G O V E R N M E N T
N a p o l i

La sottoscritta Società Trasporti Elettrici Provincia di Salerno, esercente il Servizio Tramviario e Filoviario Pompei-Battipaglia, chiede che la energia elettrica con potenza di Kw.250 a suo tempo concessa per il servizio filo-tramviario Pompei-Nocera Inferiore e poi sospeso per il periodo di tre settimane, essendo detto periodo scaduto, venga di nuovo concessa per riprendere il servizio rimasto sospeso.

A tal uopo, si prega dare le opportune disposizioni alla Società Elettrica della Campania, fornitrice della corrente.

Si ringrazia in attesa del richiesto provvedimento.

IL DIRETTORE

Authorized

CENSOR:
Allied Military Government

VISTO: Si approva

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

Telegrammi T E P S - SALERNO
Telefono N. 26-04 - 26-52

N. .....

Oggetto: .....

Allegati: .....

Spett. A L L I E D M I L I T A R Y
G O V E R N M E N T
N a p o l i

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A tal uopo, si prega dare le opportune disposizioni alla Società Elettrica della Campania, fornitrice della corrente.

Si ringrazia in attesa del richiesto provvedimento.

IL DIRETTORE

Authorised
OFFICIAL:
Allied Military Government
L.R. Denney Major RA

VISTO: Si approva

Napoli, lì 10 Febbraio 1944

IL DIRETTORE COMPARTIMENTALE

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

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

File Education Plan

HEADQUARTERS PBS

10 FEB 44

060 Rp 55

FLAMBO, PBS, AMG REGION III, CAFOP, NO 3 DISTRICT

FOUR

FOUR

101459A

HEADQUARTERS
11 FEB 1944
AMG.

ELECTRICITY SUPPLIES AVAILABLE IN NAPLES ARE REDUCED OWING TO PARTIAL BREAKDOWN OF HYDRO ELECTRIC SYSTEM.. STRICTEST ECONOMY IN THE USE OF ELECTRIC POWER IS THEREFORE ESSENTIAL AS DISCONNECTION OF LOADS MAY BECOME NECESSARY IF DEMANDS ARE NOT KEPT TO MINIMUM. SERVICES ADDRESSED ARE REQUESTED TO PROPAGATE WITH THEIR COMMANDS.

PBS DIST

ACTION AMG REGION III
ENGR

INFO C-4
HQ ACC
SECY
CO

ACC DIST
(INFO) ECON SEC (3)
ADJUTANT

Lt Col Lapper
as far as I know this is in hand - How about it?
Maj 5 1/2

1 2 PM
2 Power
3 File

13589

1 File
32

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

File 54

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works and Utilities Sub-Commission

El & Adm Div.
WML/ccb

ACC/051/PWU

9 Feb 44

Subject: Internal transportation.

To : Transportation Sub-Commission.

1. Enclosed proposed road, rail and tramway services are passed to you for necessary action.

2. The question of the supply of electricity for any of these services will be dealt with by the Electricity Allocation Committees in the area concerned. These committees are being formed in each military sub-area and they will arrange for allocations of energy in accordance with priorities.

3. As this energy is required for civilian uses you should make application to me in the first instance, when arrangements will be made for our representative to put the case forward at the Electricity Allocation Committees.

4. When making your application for electric power indicate the estimated KWH per month needed and also an estimate of the maximum KW demand of electricity for the operations.

W.M. LAPPER,
Lieut-Colonel,
Chief, El & Adm Div.

Copy to: Director, Sub-Commission.

52

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

2054/DDW

Directorate of Works,
AFHQ. Adv.Adm.Ech.,
C. M. F.

3 Feb 44.

Subject:- Elect. Power Supply.

To:- Public Wks & Mines Sub Commission.
Provincial Buildings,
Naples.

1. With reference to Lt.Col.LAPPER's conversation with D.A.D.W.(E&M) AFHQ. Adv.Adm.Ech., electric power is allocated to various areas by the Electric Power Committee of the L.R.B. The areas concerned come under the Cmdr. of the District.

2. At present the area boundaries are as shown on the map handed to Lt.Col.LAPPER but when No.3 District becomes effective the command of these areas will probably alter.

3. The names and addresses of Area Commanders can be obtained by application to the Cmdr of each District. It should be noted, however, that divisions of responsibility by areas may not correspond exactly with the normal area boundaries.

W.A.R.SMITH.
Lt.Col.R.E.
for Brigadier,
D.D.W.

WARS/RTH/ed.

Copy to:- File 2052/DDW

51

Return to [illegible]

[illegible] 40/AG/051/PWM

APPENDIX "A"

52

MEMORANDUM FOR THE ELECTRIC POWER COMMITTEE

SUBJECT: POWER SUPPLY FOR ROME

1. The first electric power in Rome will be that generated by portable generating sets belonging to various organisations of the Army. The power so generated will be used exclusively by the Army.

2. The next power available in Rome will be generated by two or three small diesel electric generating sets which have been discovered in the Naples and Bari areas. These sets will be mounted on an L.C.T. and will be taken from Naples to Rome by water. The L.C.T. will move up the Tiber river to the site of a steam plant and will be anchored there. The known available diesel/electric generating sets available for this purpose have a total capacity of between 500 and 600 kilowatts. This power should be available in Rome within a very brief period after occupation by Allied Forces.

3. The next addition to the power supply at Rome will be transmitted from the Capuanna steam plant in Naples over a 60 KV transmission line from Naples to Minturno and over a single transmission line, belonging to the State Railways, from Minturno to Rome. It is proposed to rehabilitate this line as promptly as it is in Allied control. The time required for rehabilitation depends on several factors, among which is the amount of damage done by the enemy. Operating at 60 KV, this line will deliver between 5,000 and 7,000 kilowatts of power in Rome. This power would be put on the 9 KV distribution circuits.

4. The next addition to the power supply for Rome will come from the installation of two 60 KV - 150 KV transformers in a temporary sub-station at Minturno and the installation of two 150 KV - 9 KV transformers in Rome. These transformers are now located in Southern Italy and must be disassembled for transport. This will permit operating the State Railway transmission line from Minturno to Rome at a nominal 150 KV and will permit the delivery of 10,000 to 15,000 kilowatts in Rome, where it would be available on the 9 KV distribution circuits.

5. An additional supply of power can be delivered in Rome by installing a synchronous condenser (which is available in Allied Italy) at the Rome end of the transmission lines. This will permit the delivery of a total of from 13,000 to [illegible] kilowatts in Rome.

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5. An additional supply of power can be delivered in Rome by installing a synchronous condenser (which is available in Allied Italy) at the Rome end of the transmission lines. This will permit the delivery of a total of from 13,000 to 18,000 kilowatts in Rome.

6. If additional transformer capacity can be discovered to augment the transformers now planned for installation in the temporary sub-station at Minturno, an additional amount of power up to a total of 26,000 kilowatts can be delivered to Rome.

7. Further supply of power to Rome will depend on the damage to hydro-electric generating stations at Tivoli and Terni and the transmission lines connecting these generating stations to the Rome area.

JAMES P. GROWDON
COLONEL C.E.
CHAIRMAN
EXECUTIVE & TECHNICAL SUB-COMMITTEE

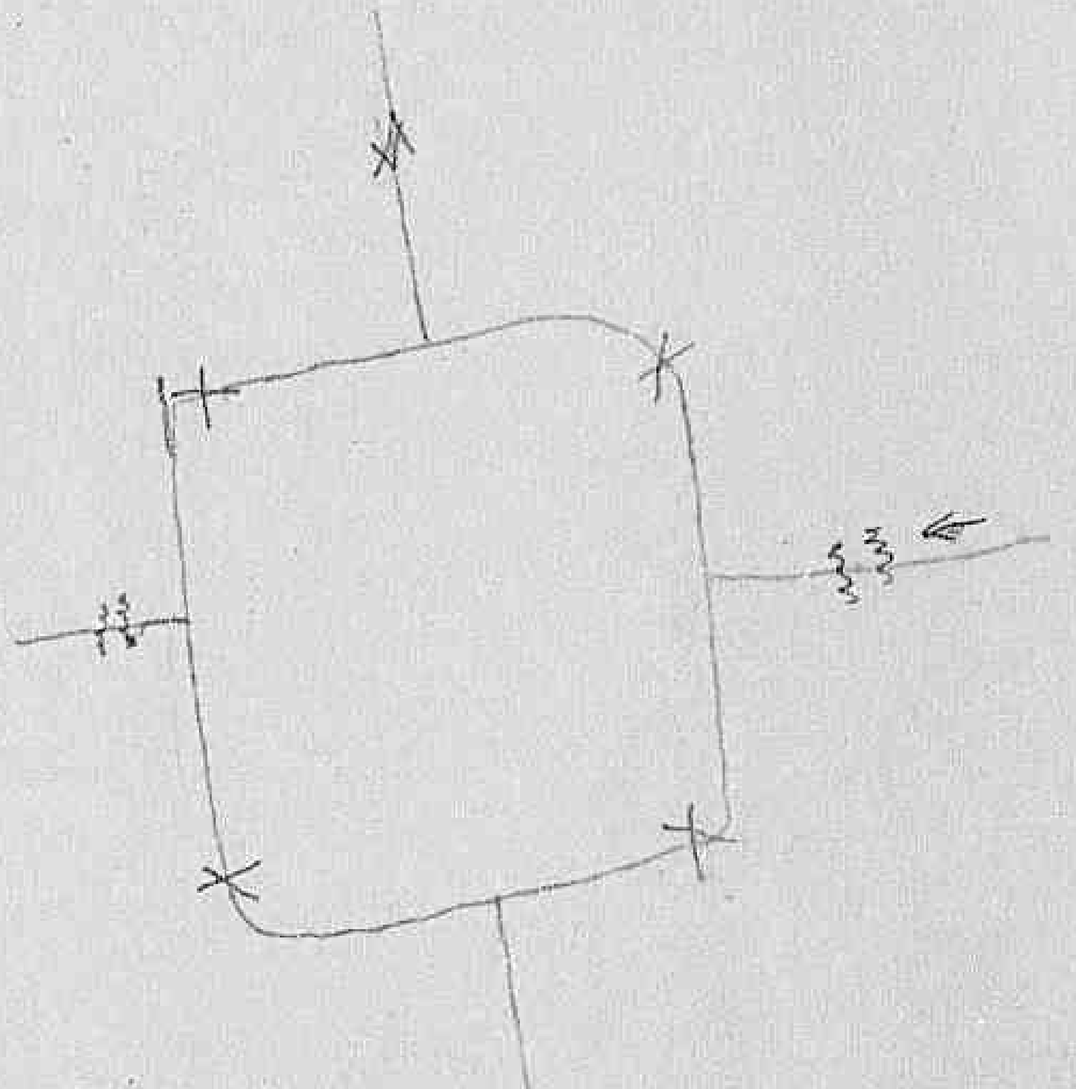
1 FEBRUARY 1944

JPG/WGM

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

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

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



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

FARGO 716

51

FARGO

RESTRICTED

ROUTINE

4 FEB 44

10050 LAPPER

DISTWO

_____ WITH REFERENCE YOUR ROGER TARE SLANT ONE SIX EIGHT ONE SLANT TWO OF THREE FEBRUARY WE ARE AT PRESENT DISCUSSING RATES WITH SUGAR/MIKE/KING EASY COMPANY SOME PROVISIONAL RATE INCREASES HAVE BEEN GIVEN BUT THESE WILL BE REVIEWED IN THE INVESTIGATION NOW BEING MADE PD PENBASE PAREN FARGO PAREN TO DISTWO FOR ANG REGION TWO PD CITE FARGO SEVEN ONE SIX PD AMOUNT OF REQUESTED INCREASE APPEARS UNREASONABLE AND NO INCREASE SHOULD BE GRANTED FOR TIME BEING

49

L.F. NICKEL,
Lt-Col, AGD,
Adjutant General.

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

Form 125D Ø3ØØ46A N-321 TWX 2275

Signal Corps, United States Army

RESTRICTED Telegram

Econ Sec (3) 4 copies

50

GPO 8—10563

Received at PENINSULAR BASE SECTION SIGNAL MESSAGE CENTER 3 FEBRUARY 1944 19

059 Rlw

RESTRICTED

ROUTINE

TO (ACTION) : CG PBS FOR FARGO

(INFORMATION): NONE

FROM : AMG REGION 2

DATE TIME SIGNED: Ø2/NFT

DATE TIME REC'D.: Ø3ØØ46A

REFERENCE NR. : RT/163 1/2

CITE : NONE

HEADQUARTERS 3 FEB 1944 AMG.

FOR UTILITIES SUB COMMISSION FROM RFO. REQUEST URGENT ANSWER APPLICATION SOCIETA LUCANA IMPRESE IDROELETTRICHE PERMISSION INCREASE TARIFF. UNDERSTAND PERMISSION ALREADY GRANTED PARENT CONCERN SOCIETA MERIDIONALE ELETTRICA NAPLES FOR SIMILAR INCREASE.

FW to M action AMG Hqs
Info Sec Co

Acc Thos:
(Action) Econ Sec (3)

ACTION COPY

FORM #18-A

CRYPTO Ltr 48 Allen

3 Feb 16

RESTRICTED 12870

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

716

With
Re report [illegible] Ref [illegible] the case of
present [illegible] [illegible] USSR S M E .Co ~~Army~~
Some ~~[illegible]~~ ~~[illegible]~~
~~the~~ provisional draft increase have ~~not~~ been given
~~but~~ This will be ~~[illegible]~~ reviewed in the
investigation now being made + ~~Report~~
Amount of requested
increase appears unreasonable and NO increase should
be granted ~~[illegible]~~
for Time Being

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

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works and Mines Sub-Commission

File

El & Adm Div.
WML/cob

ACC/051/PWM

2 Feb 44

48

Subject: Electricity, Italy.

To : Prof. Ruggiero Placido.

With reference to the conversation which you had with me at the meeting held at my office on the 1st Feb, I should be glad if you would let me have further particulars regarding the state of the reservoirs at the hydro electric generating stations.

The information I require is as follows:

1. You stated that in order to prevent damage in case of flood which may be caused by bombing of dams, the water in the reservoirs was being kept at a low level. It was understood from you that the water in the reservoirs was not allowed to exceed the half full level as a maximum.

2. Will you let me have further details regarding this arrangement; when the order came out, by whom was it issued and if it is being strictly adhered to at the present time at all reservoirs.

3. Also state the loss in storage capacity expressed in kilowatt hours at each reservoir caused by this arrangement.

4. In order to maintain the water in the reservoirs at the reduced level, state if at any time it has been found necessary to run water to waste by by-passing the hydro electric generating stations.

5. In order that I may have basic data concerning the power flow throughout the country I shall be pleased to have a diagram showing ONLY the transmission lines in use at the present time. The diagram to be dated and a weekly report to be submitted to show the progress being made.

6. The following information is required each week and should be at my office as early as possible following the week to which it refers. Please indicate to me the earliest date for which you can submit regular weekly reports.

7. Information required each week:-

(a) Daily units sent out from each generating station.

47

(b) Daily maximum demand (and time of) on each generating station.

(c) Estimated KWHs available in reservoirs.

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

(d) Output capacity available at each generating station.

(e) Additional output capacity during week.

(f) Reduction in output capacity during week.

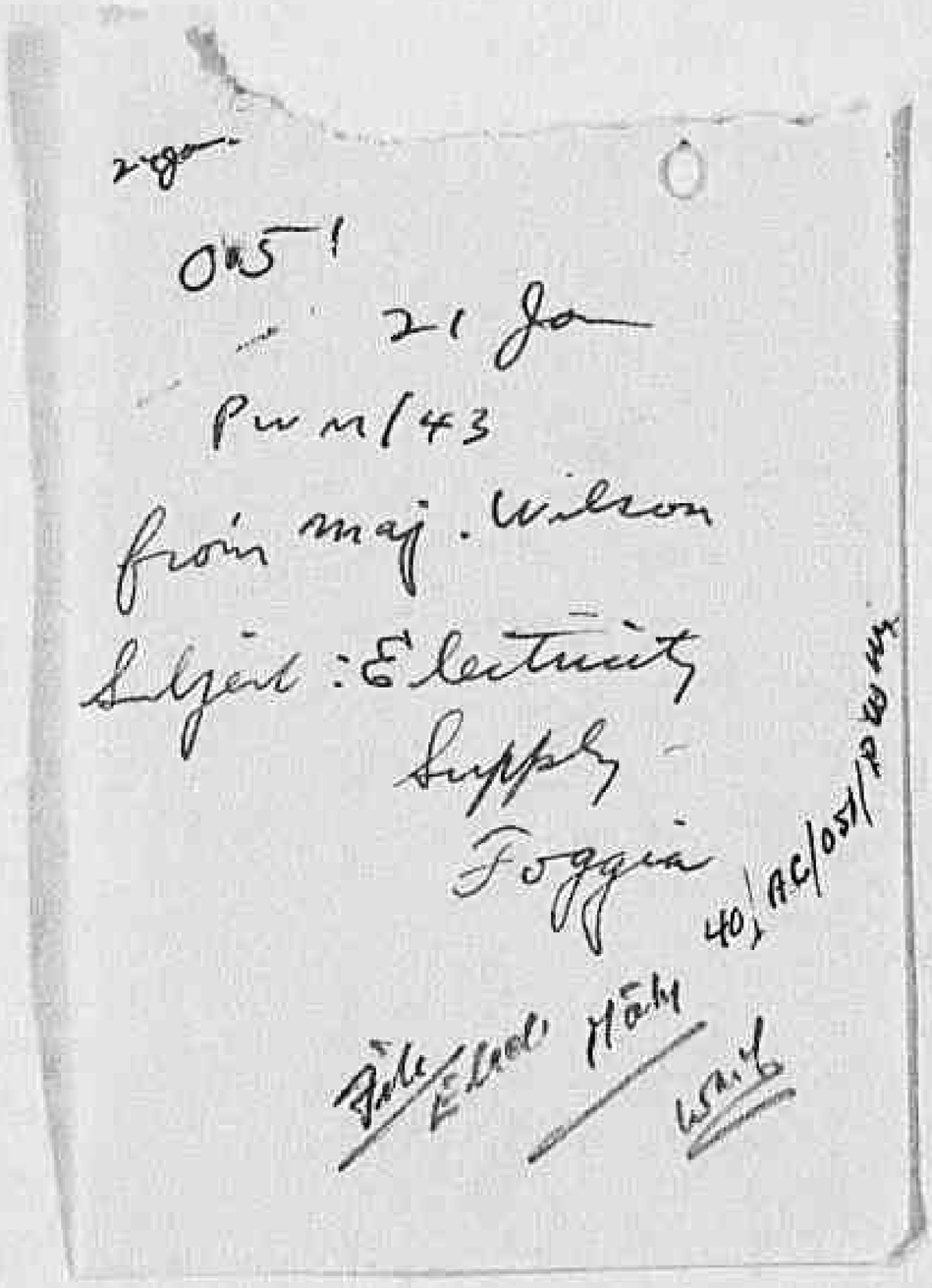
(g) Report any change in transmission lines and sub-stations during week.

W.M. LAPPER,
Lieut-Colonel.
Chief, El & Adm Div.

Copy to: Sig. Tizzano.
Lt-Col L.A. Jenny, Director, PW&M.

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





2 Jan

005.1

21 Jan

PWM/43

From maj. Wilson

Subject: Electricity Supply Foggia

40/AC/057/2 WO 204

Field Elect Maint

WSA

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

FO 27Ø35ØA

N-4ØØ7

RAD 1769 Rec 47

Signal Corps, United States Army

Telegram

CONFIDENTIAL PRIORITY

GPO 8—10503

19

Received at PENINSULAR BASE SECTION SIGNAL MESSAGE CENTER

27 JANUARY 1944

Eco Div

•CONFIDENTIAL

•PRIORITY

TO (ACTION) : CG PBS FARGO FOR PUBLIC WORKS AND MINES SUBCOMMISSION

(INFORMATION): NONE

FROM : FATIMA REAR FROM WILSON SIGNED MACFARLANE

DATE TIME SIGNED: 261405A

DATE TIME REC'D,: 27Ø35ØA

REFERENCE NR. : 2164

CITE : NONE

HEADQUARTERS 27 JAN 1944 AMG.

REFERENCE MY PW AND M/43 DATED 21ST JANUARY. ACTION LETTER FROM 2 DISTRICT 1549 Q DATED 22ND JANUARY HAS BEEN GIVEN TO COLONEL MURPHEY BEFORE LEAVING HERE.

Info Amg HQ G-5 Sec.

AMG Dist Eco Div (2)

PW-M

45

CONFIDENTIAL

CRYPTO

FORM #18-A

27 Jan 20

11305

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

CONFIDENTIAL

1769 46

RE. AT PEN. BASE SECT. SIG. MES. CENT. 27 JAN 44
CONFIDENTIAL
PRIORITY

CG PBS FARGO FOR PUBLIC WORKS AND MINES SUBCOMMISSION

NONE

FATIMA REAR ~~FROM~~ Brindisi FROM WILSON SIGNED MACFARLANE

261405A

270350A

2164

NONE

REFERENCE MY RW AND M/43 DATED 21ST JANUARY. ACTION LETTER FROM 2 DISTRICT 1549 2 DATED 22ND JANUARY HAS BEEN GIVEN TO COLONEL MURPHEY BEFORE LEAVING HERE.

PBS DIST.

Info amg Hq.
C.G.
SEDY

AMG DIST.

ECON DIV. (2)

CONFIDENTIAL

44

27 Jan 20

11305

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

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
ACTION SHEET

29 January 1944
Date

Suspense _____

FROM		TO
	C.G., A.M.G.	
	C. of Staff	
	D.C. of Staff for (O&SI)	
	D.C. of Staff Admin.	
✓	Industrial Plan	
	Mil. Sec.	
	Pol. Sec.	
	Econ & Admin Sec.	
	Communications Sec.	
	Economic Director	
	Administrative Dir.	
	Executive Off. Admin.	
	G-1	
	G-4	
	Adjutant General	
	Personnel	
	Publications	
	Miscellaneous	
	Supply Officer	
	Billeting Officer	
	Transportation Off.	
	Hq Commandant	
	Camp Commandant	
	Message Center	
	Sub-Commission on: Public Works and Mines	✓

For:
- Signature
- Recommendation ✓
- Information
- Approval or Disapp.
- Appropriate Action
- Investig. & Report
- File 43
- Return to Cent. Files
- Transmission

Remarks:

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45

MAIN HEADQUARTERS
ALLIED CONTROL COMMISSION
Industrial Planning Staff

FWH/ln

29 January 1944

Ref. IP/23/4

SUBJECT: Power Possibilities in Capua.

TO : Electric Power Mission.

1. Attached report and minutes of meeting on the sugar plant at Capua indicate that the plant will probably not be rehabilitated at the present time.

2. The plant contains a power plant of 750 KVA - boilers, turbine, generator, etc. The steam piping between the boiler plant and the turbo-generator plant is reported damaged. There is a sizeable supply of coal on hand (6000 tons).

3. It is suggested that the power phase of this plant be reconsidered as a source of power, and that this possibility be investigated.

For the Industrial Planning Staff:

FRED M. KELTER
Lt. Colonel
Senior Staff Officer

2 Incl. (loaned only)
1 I & C Report, Capua Plant
1 Minutes of meeting, 20 Jan.44

CC.
I.&.C.
Econ.Direct.
PW. & M.

Lt. Col. Pepper

For your info. Sloan
42. Has to Lt Col Kaemmerling
as the coal on hand
may be of interest to him.

RPK 29/1/44

10 January 1944

1. Position of Electrical Supply in the Provinces of FOGGIA and Campobasso up to 31st December 1943. As instructed by the Chief of Staff No. 4 Region, I accompanied Lt. Col. G. de C. E. Findlay in a survey of the electrical utilities in the provinces of Foggia and Campobasso.

ELECTRICITY SUPPLY IN FOGGIA

The American forces took over the repair of electricity sub-section of the public utilities on or about the 26th October 1943 and the following extracts are taken from a report by Capt. E. E. Breecoe C. of E. U.S.A. who was in charge of the repair work when he handed over to his successor Lt. Paolini on Dec. 1st. 1943.

(a) All the electricity buildings were damaged, the main sub-station east of Foggia was hit the hardest, but the Control and Switch rooms were not destroyed and were put in operation in a short time. All the large transformers were hit but from the damaged ones one good one was rebuilt. Seventy-five percent of the overhead lines were broken down, and the H. T. voltage underground cables were all broken but one. Very little damage was done to the Sub-Stations in the city.

Estimate of damage.		Lira
Buildings	100%	4,650,000.
Low Tension Supply	75%	2,500,000.
High Tension	25%	1,000,000.
Sewerage	20%	700,000.
Transportation	100%	210,000.

In an endeavour to obtain an up to date survey of the Foggia area I arranged to meet Ing. Alberto Lazzaro the local engineer on 29/12/43 and he gave the following additional facts as to the supply.

1. All current is at present coming from Sila via Sub-Stations at Bari, Terlizzi, Andria, and Cerignola on a 60 KV line but in 15 days time it is hoped to have the 150 KV line also in operation.

2. Of the four transformers in the

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In an endeavour to obtain an up to date survey of the Foggia area I arranged to meet Ing. Alberto Lazzaro the local engineer on 29/12/45 and he gave the following additional facts as to the supply.

1. All current is at present coming from Sila via Sub-Stations at Bari, Terlizzi, Andria, and Cerignola on a 60 KV line but in 15 days time it is hoped to have the 150 KV line also in operation.

2. Of the four transformers in the Foggia main Sub-Station, mentioned in the report quoted, one is of 14,000 KVA capacity and has been repaired and is in operation together with a 4,000 KVA transformer which ahs been borrowed from S. Maria as a temporary measure. The remaining three transformers are of 10,000 KVA Capacity and although damaged are all repairable. The details of the necessary materials required for such repairs have already been supplied, through the Head Engineer Enac Ortensi and Engineer General Cerillo of the Generale Publiese Elettricia at Bari, to Major Page C.R.E. and Captain Stewart C.R.E. both of whom are believed to be at Termoli. The transmission system is 3 phase 45 cycle and with the completion of the 150 KV line mentioned above the large transformers will be engaged in transforming 150 KV to 60 KV, 30 KV, and 9 KV. whilst the 4000 KVA transformer from S. Maria transforms from 60 KV to 9 KV only. The three thermal Sub-Stations mentioned in the information available in the library at Tizi Ouzou no longer exist all having been absorbed into the S.M.E. group many years ago (estimates vary 15-20).

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E
4+D

ELECTRICITY SUPPLY IN FOGGIA (Cont.)

Sub-Stations are now situated at Cerignola and Manfredonia, at the latter place current is being supplied to the Alumma mines at Monte Catino as well as to the districts of Monte and S. Angelo. At Lucera, where the thermal station was dismantled and removed a sub-station has been substituted and has two transformers repaired and in good order and current is being supplied at 200 volts for power and 150 volts for lighting to the town. The third transformer in the substation was totally destroyed by the Germans.

ELECTRICITY SUPPLY IN CAMPOBASSO

2. The following is the situation of the Centrale plants.
Sketch map (2) shows the location of all the stations and substations in the area under review and the attached report gives in detail the position at the end of December. In addition I have got the engineer Sn. Furlo to complete the AMGOT Region 4 Forms E 3 and E 7 in so far as they concern the plants under his control.

Situation of the Centrale Plants.

1. Molinello and La Carte are presumed to be blown up.
(1) N.B. These are in the Venafro Area I can check later as to the accuracy of this statement. Signore Furlo has no knowledge of the Venafro Stations as this being a combat zone he is unable to go there.

2. S. Nazzaro. In order except the electric transformer (500/3000) which has a perforated casing. Likewise at Monteroduai as it is not possible to get there the repair of the transformer will have to be deferred until it is possible to visit the site.

3. Centrale Venditelli (Isernia) a set of 150 KVA is an order together with its transformers. There is no roof to the transformer house and the work, which already half completed, is anticipated to take until the end of the month to finish and then the Centrale will be able to start up. At Isernia at the same time it will be possible to put No. 2 Cabin, which is in order, in operation, but No. 1 Cabin is destroyed, but it would seem that the transformer can be withdrawn for examination and possible repair.

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The H.T. line Isernia - Bojano is damaged and the electrical people are now working to get it in order and it is hoped to have this work completed by Jan. 15. Actually the line Bojano - S. Massimo, the line S. Massimo - Cantalupo and the branch line Cantalupo - Roccamandolfi have already been repaired. So far, besides Isernia, the communes of Castelpetroso and S. Angelo in Grotto one of whose cabins, the one supplying the village, has been blown up, are not receiving electrical energy.

4. Centrale Sciarra - blown up and destroyed.
5. Centrale Tamasi - blown up and destroyed.
6. Centrale S. Massimo. The power house has been blown up and the alternators and turbines are smashed into small pieces. The transformer (3000/9000 and 3000/20000) house is in order. The hydraulic system is undamaged with the exception of one pipe which is repairable.

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7. Centrale Colagrosso. (Bojano) is in service. In the village of Bojano the brick cabin is in order but the pole cabin is blown up. Also the transformer cabin which transforms 11000/9000 and which was receving power from the Centrale Giordano is destroyed. On account of this destruction of the transformer house the Centrale Giordano is sending out reduced voltage in parallel with Centrale Colagrosso and the other Centrali.

8. Centrale Riofreddo. The power house is destroyed. By temporary repairs it will be possible in the first 10 days of January to get a 150 KVA SET functioning but the other SET cannot be got going because the water pipe is perforated in some places and the turbine governor is damaged. The communes of S. Polo, Campochiaro and Guardiaregia are not yet receiving light because the H.T. line is damaged and is being still worked on.

9. Centrale Quirino. Completely destroyed. There is a road running over what was the site of the plant.

10. Centrale Colledanchise was damaged but is now in service and is doing separate service for Colledanchise, Montevede, Baranello and Vinchiaturo. The line Colledanchise - Riofreddo is yet to be repaired.

11. Centrale Giordano. In order.

12. Centrale Autonecchia. In order.

13. Centrale Bivara. Destroyed but the S. Giorgio turbine which had recently been bought is not is not injured.

14. Centrale Guaoci. Destroyed but the hydraulic channel is not harmed.

15. Centrale Ischia. Destroyed.

16. Centrale Biferno. In order.

17. Centrale De Angeles. Destroyed but it would seem that the transformer can be withdrawn from the ruin, examined, and possibly repaired.

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16. Centrale Biferno. In order.

17. Centrale De Angeles. Destroyed but it would seem that the transformer can be withdrawn from the ruin, examined, and possibly repaired.

18. Centrale Covatta. Was damaged but it is now repaired and again in service.

19. Centrale Precettoressa (Lucito) In order.

20. Centrale Castelbottaccio. One SET in order the second is being repaired.

21. Centrale De Cosmo. Was damaged is in course of being repaired, will function in January.

22. Centrale Vallecupa. In order.

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3. The S.M.E. sugstation at Campobasso is destroyed but the Engineer estimates that perhaps 50% of the transformers under the ruins may be salvaged and repaired.

4. The Cabin at Via Roma Campobasso is completely destroyed, whilst that at Gildone is burnt out.

POWER AVAILABLE AT END OF DECEMBER

			KW	
1.	Centrale	Colagrosso	50	
2.	"	Colledanchise	100	
3.	"	Giordano	120	
4.	"	Antonecchia	80	
5.	"	Biferno	200	
6.	"	Covatta	150	
7.	"	Precettoressa	230	
8.	"	Castelbottaccio	80	
9.	Centrale	Vallecupa	250	KW. 1260

FURTHER POWER WHICH WILL BE AVAILABLE IN JANUARY

1.	Centrale	Monteroduni	30	
2.	"	Venditttelli	350	
3.	"	Riofreddo	120	
4.	"	Castelbottaccie	400	
5.	"	De Cosmo	100	KW. 1000

Total KW..... 2260

As the flow of water decreases, as it may do in the month of May, so will the power diminish in proportion to the reduced water flow.

WORK TO BE CARRIED OUT AS SOON AS POSSIBLE

1. Reconstruction of the power house at Centrale Riofreddo bearing in mind the project to bring into operation a third SET.

2. Reconstruction of the Centrale Bivaro with due consideration of a single vertical SET.

3. Ischia - to be reconstructed after inspection.

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6.	"	Covatta	150	
7.	"	Precettoressa	230	
8.	"	Castelbottaccio	80	
9.	Centrale	Vallecupa	250	KW. 1260

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3. Ischia - to be reconstructed after inspection.

PROGRAMME SHOWING THE H.T. DISTRIBUTION AT PRESENT

Castelbottaccio. In service at 11,000 volts on a line from Macchia Valfortore finishing at Volturara Appula.

PRecettoressa. In service at 20,000 volts normally.

Covatta. Which normally was producing energy at 30,000 volts is now actually producing at 20,000 volts. In the future it will produce at 9000 volts.

Biferno. Normally produced energy at 30,000 volts is actually producing at 9000 volts.

LATER

The Centrali of Vallecupa, Castelbottaccio, and Precettoressa will produce energy at 20,000 volts. (4)

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(Cont.)

Programme Showing The H.T. Distribution.

Later

The Centrale at Cosmo will send energy at 11,000 volts for the communes which are directly supplied by it. The surplus energy will be transformed to 20,000 volts by the Centrale Vallecupa.

The Centrale Covatta will give service on 9000 volts. The 20,000 line S. Massimo - Gildone is to be repaired to use 9000 volts as far as the juction Campobasso - Cercemaggiore line where it will be connected.

FINAL ARRANGMENT

Repair of the 60000 volts line Benevento - Campobasso and the installation of an open air transformer at the S.M.E. sub-station 60/18 KV of at least 2000 K.V.A. Sending to the S.M.E. all the energy produced at 20,000 volts by the Centrali of Vallecupa, Castelbottaccio, Precettoressa and S. Massimo in order to make the exchange of energy with the S.M.E. possible.

When the Centrali at Bivaro, Ischia, Guacci and DeAngeles are repaired the villages at 9000 volts may be supplied by them and the Centrali Biferno and Covatta will be connected with the 20,000 volts Centrali.

The Campagna will install a transformer at Campobasso 9/18 KV. for parallel with S.M.E.

NOTE: Programme Showing The H.T. Distribution At Present is amended by adding the following:

Vallecupa. Actually generating power at 350 volts which is transformed up to 20,000 volts will continue to function on this voltage until it is so possible to modify the transformer in order to obtain 500/20,000 volts.

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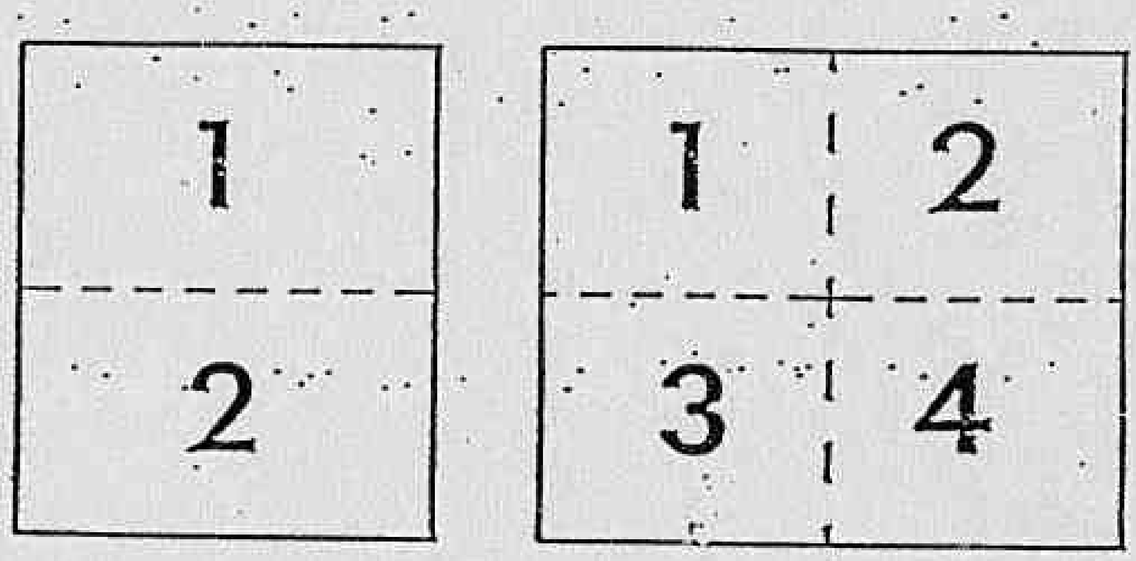
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H.M. Kenna
Lt Col REME

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MAPS AND CHARTS TOO LARGE TO FILM
ON ONE EXPOSURE ARE FILMED CLOCKWISE
BEGINNING IN THE UPPER LEFT CORNER,
LEFT TO RIGHT, AND TOP TO BOTTOM.

SEE DIAGRAMS BELOW.



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S.E.D.A.C.

ZONA DI CAMPOBASSO

SCHEMA CENTRALI-CABINE-LINEE

SCALA 1:100 000

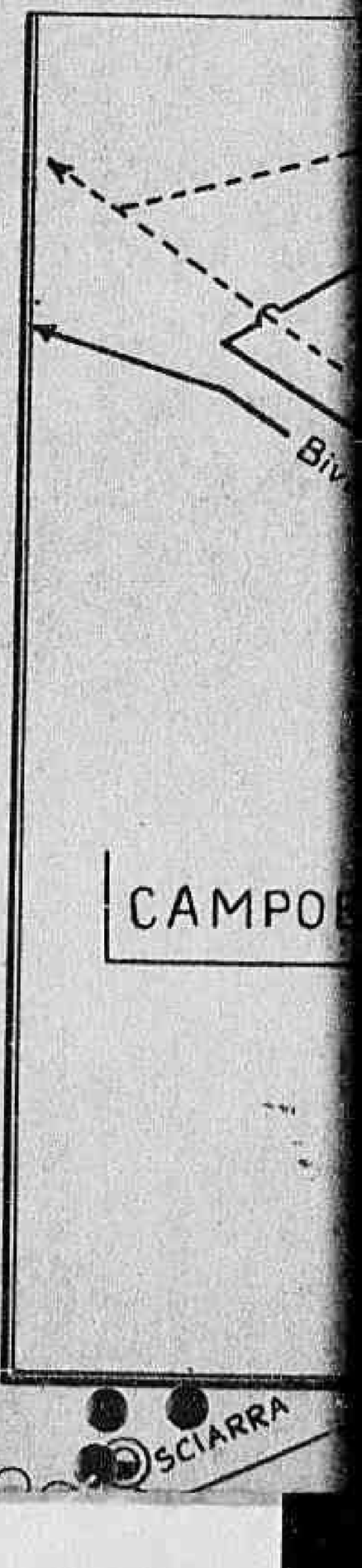
- Central Property Companies
- Property held by rent or rented
- Property Administered by the Proprietors
- Cabins in Masonry or walling of the company property
- Cabins made of stakes
- Masonry and fixtures of the company
- Property rented
- Sub-distributors

Lines of property

Property being administered

Property of the Sub-distributors

Lines 30 KV



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NE-LINEE

ors

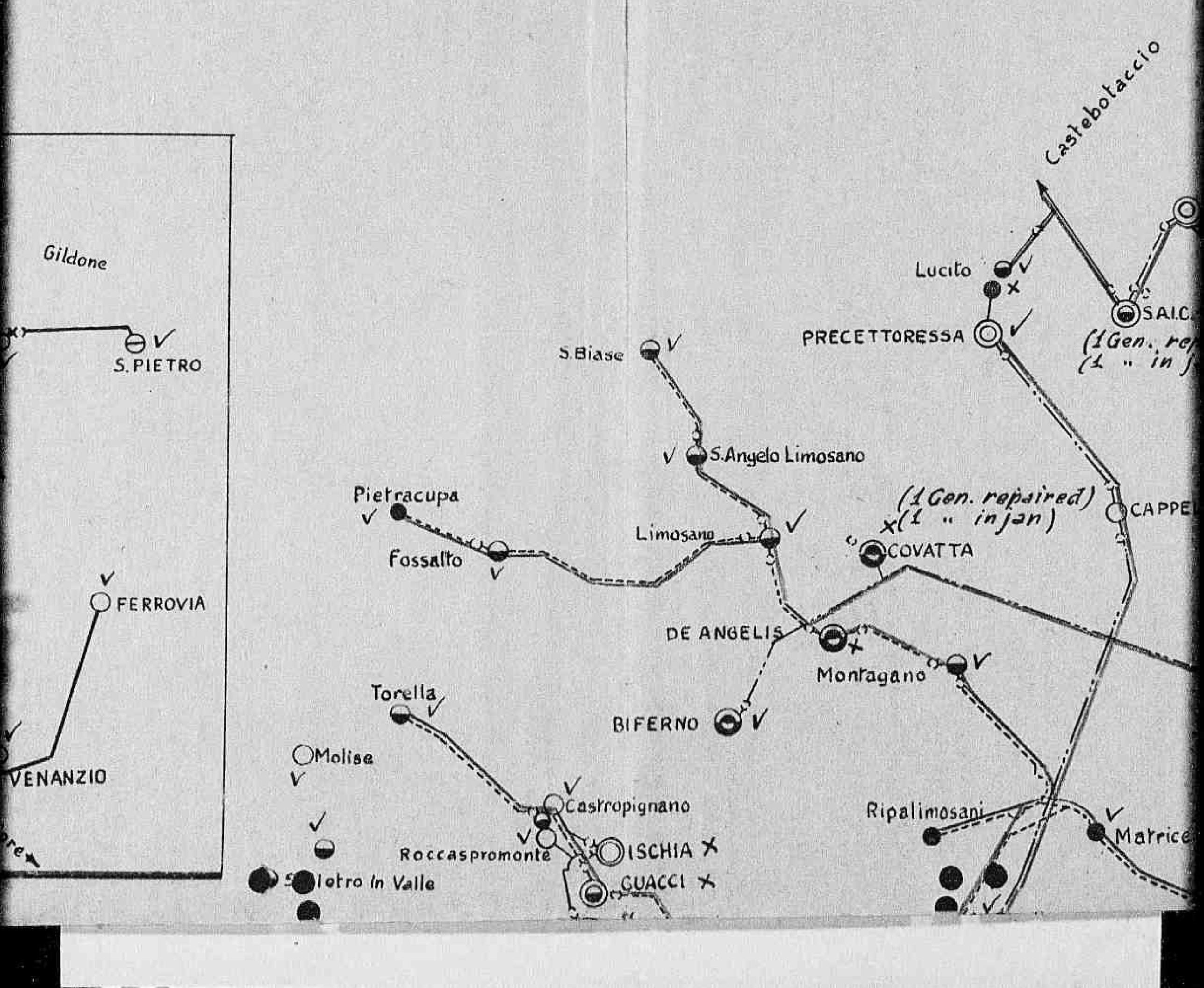
ompany property

VOLTURNO

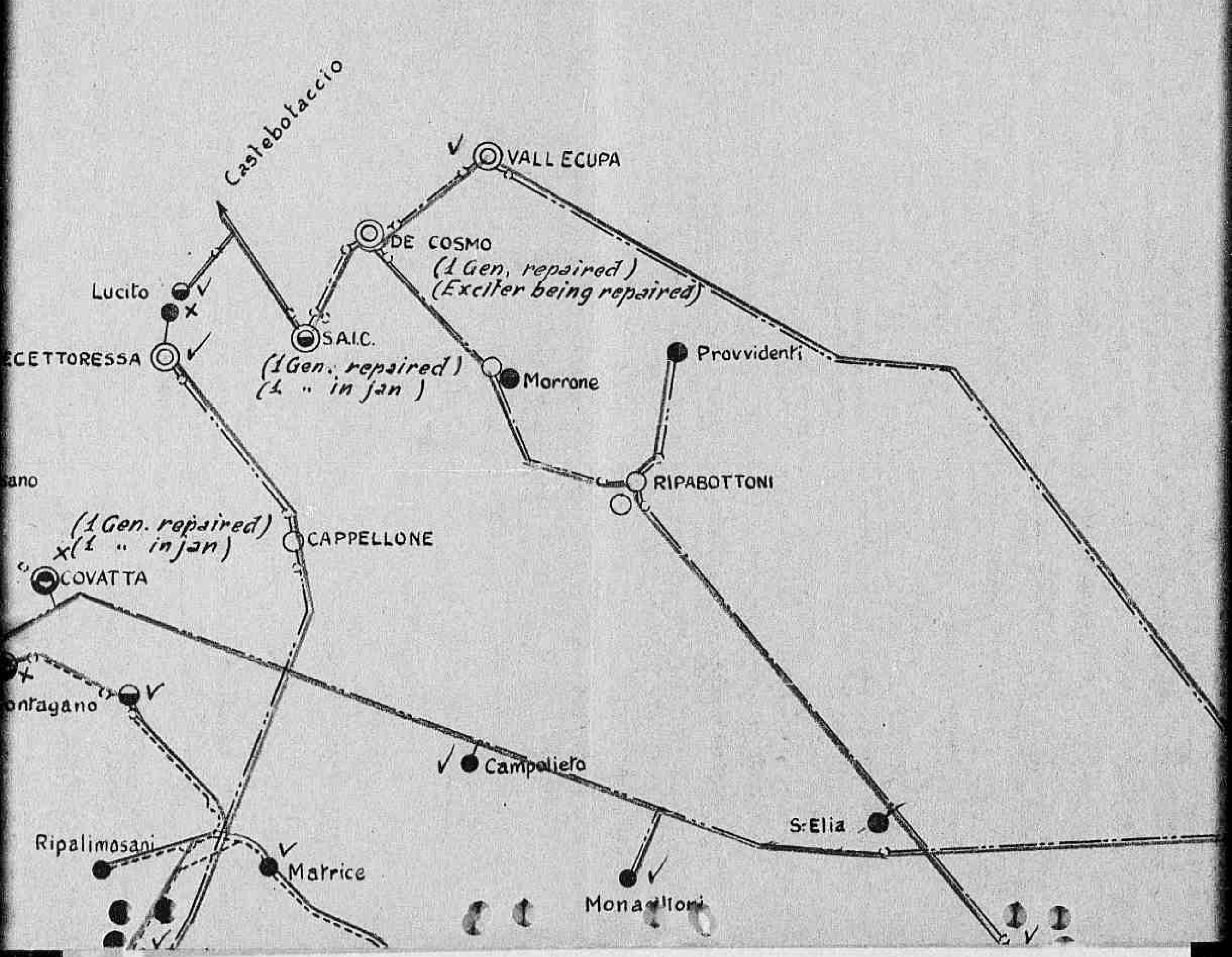
isernia

SCIARRA

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Biva

- Central Property Companies
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- Property rented
- Sub-distributors

- Lines of property
- Property being administered
- Property of the Sub-distributors
- Lines 30 KV
- " 20 "
- " 11 "
- " 9 "
- " 3 "
- " 1 "

CAMPOB

VOLTURNO

Isernia

SCIARRA

VENDITELLI

1-150 KVA Gen. in or
note re telephone

Macchia

S. NAZZARO

Monteroduni

S. Maria Oliveti

Bridge destroyed

Pozzilli

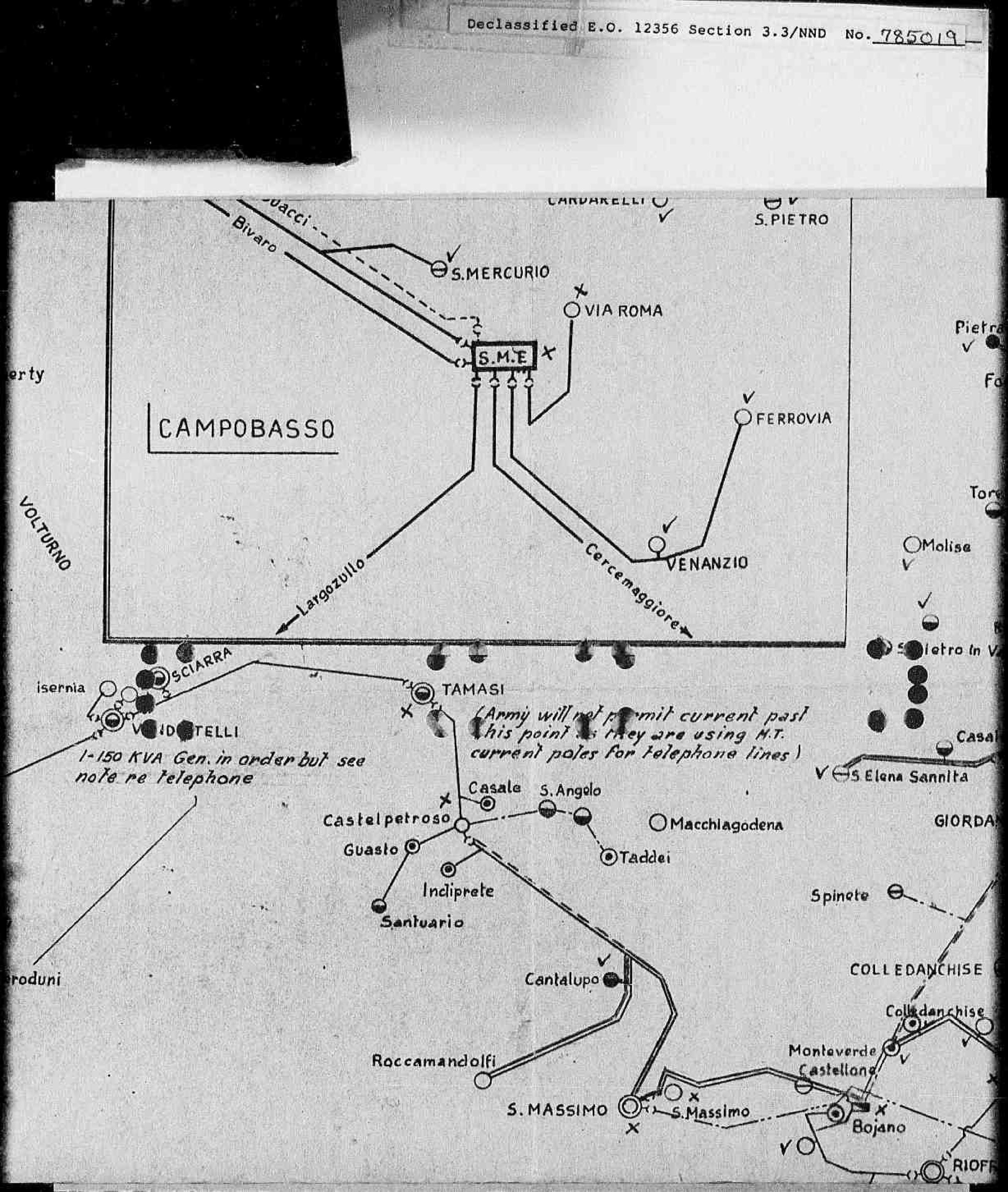
LA CORTE

MULINELLA

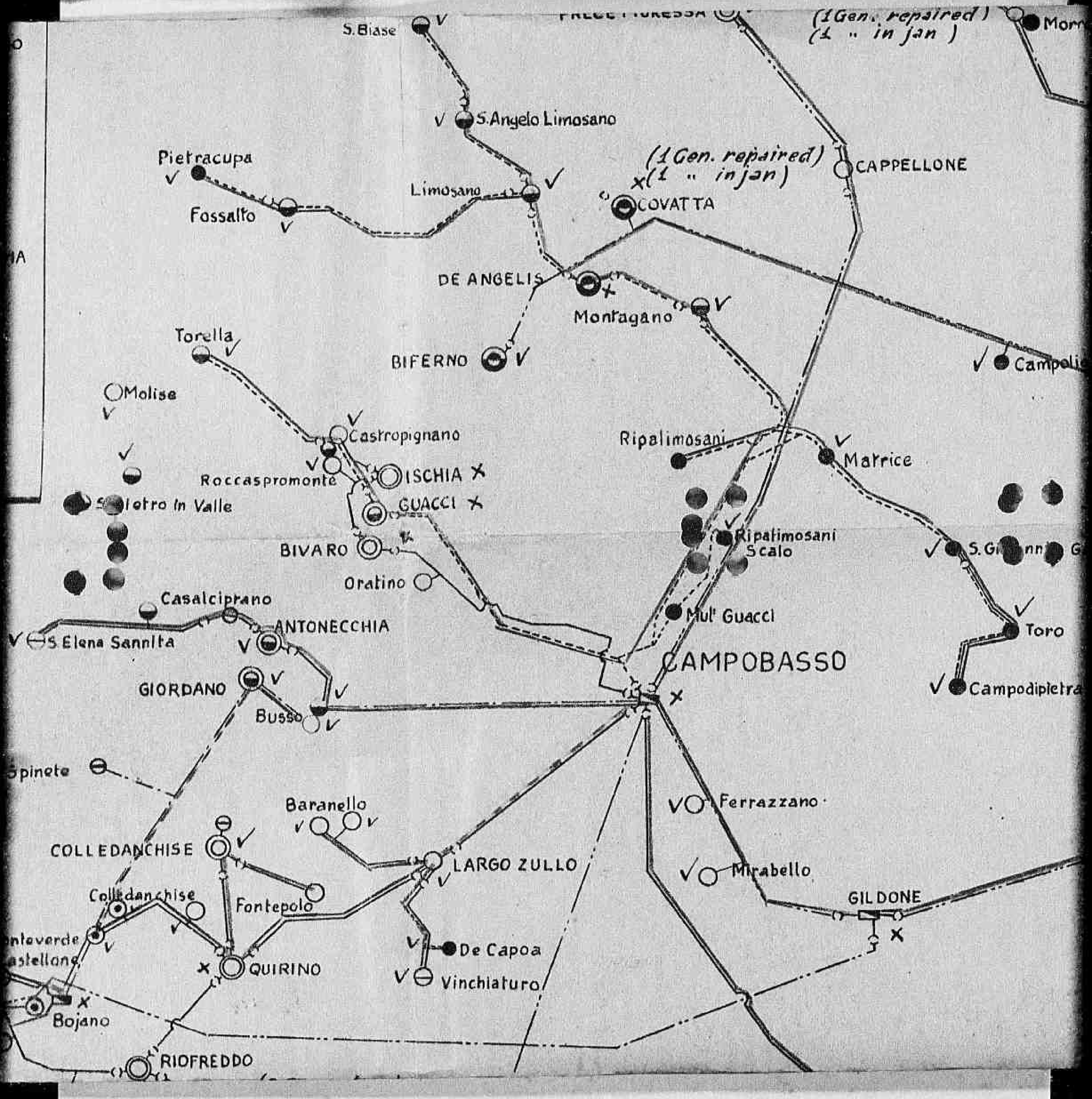
Venafro

has no information
action see notes

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n. repaired)
in jan)

Morrone

RIPABOTTONI

CAPPELLONE

Campoliero

S. Elia

Forfore

arrice

Monadlioni

S. G[illegible]nni Galdo

Maschia Valf.

Carlantino

Pietracatella

Toro

Campodipietra

Cetenza Valf.

Fornace
Iacaruso
(Supplying private
Brick coy)

S. Marco L.C.

Ielsi

L DONE

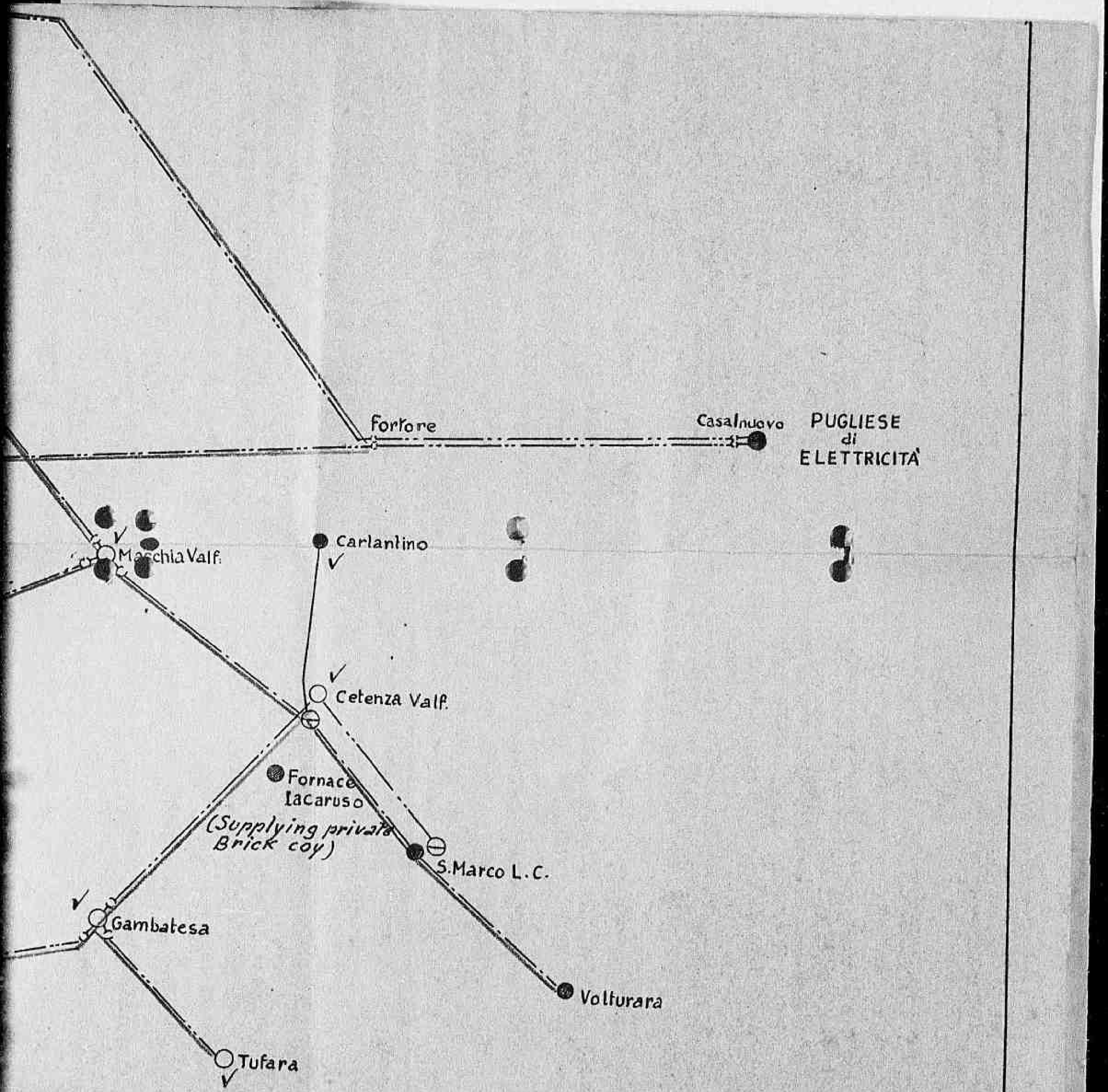
Gambatesa

Sanatorio

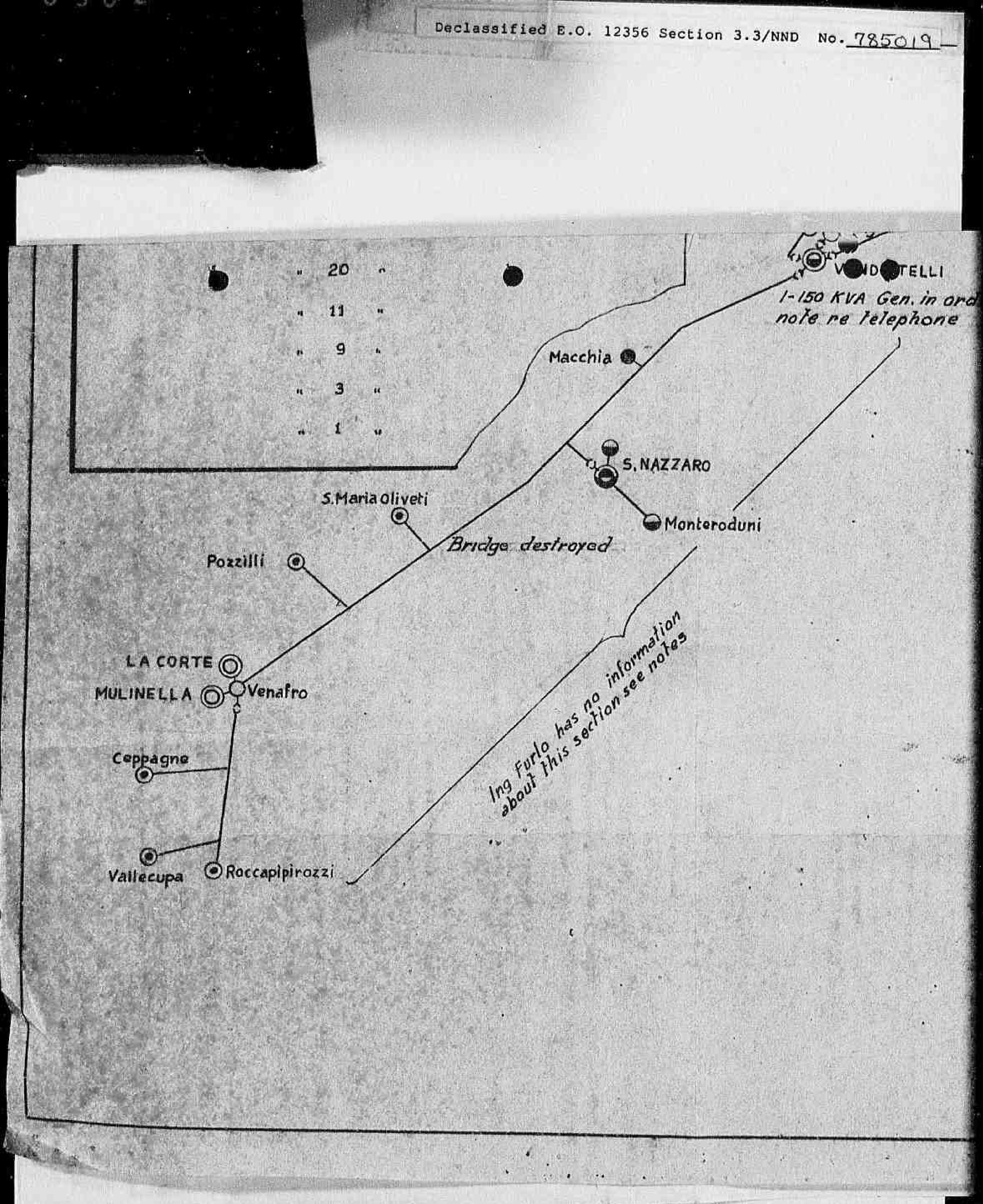
Riccia

Tufara

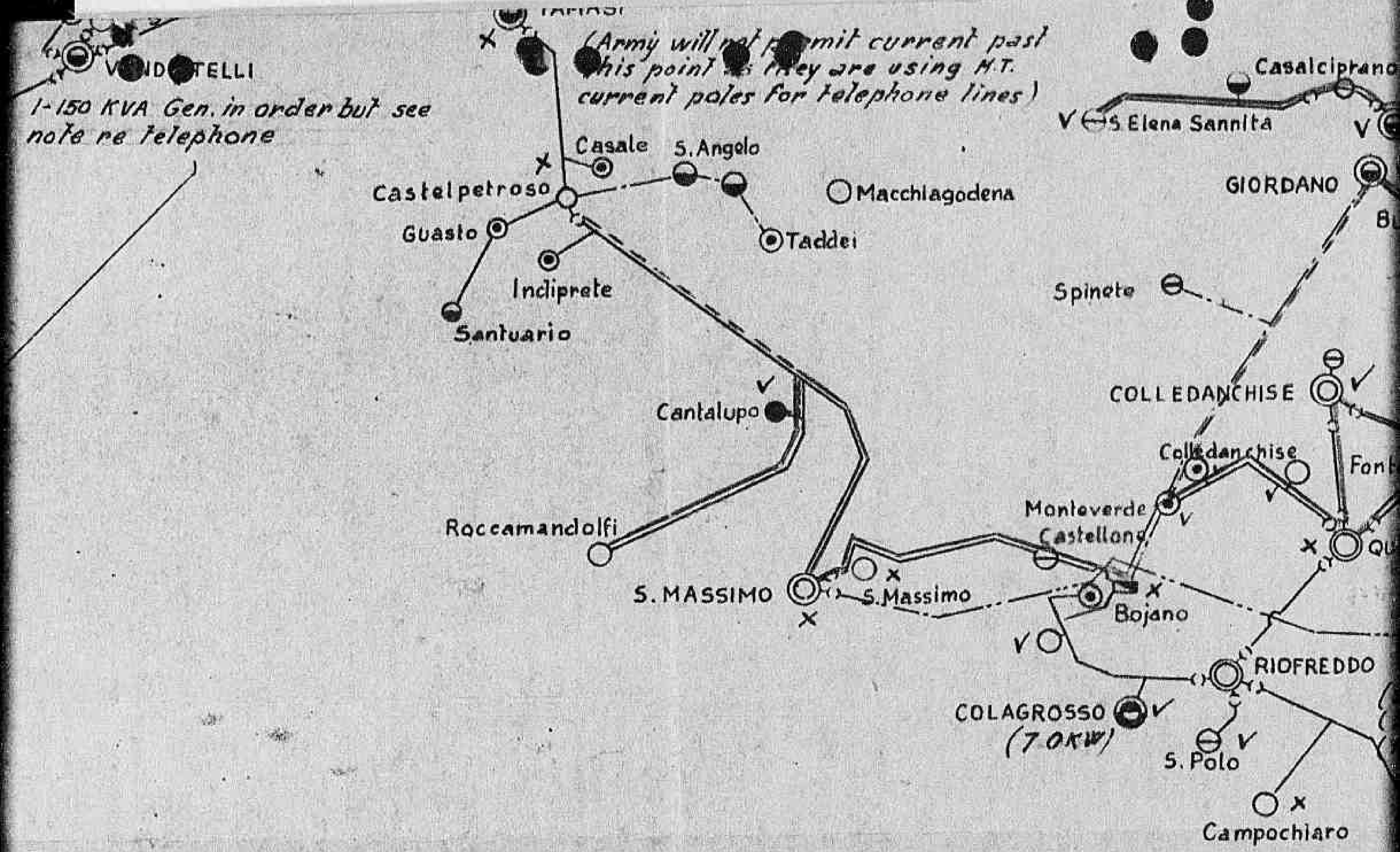
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Declassified E.O. 12356 Section 3.3/NND No. 785019



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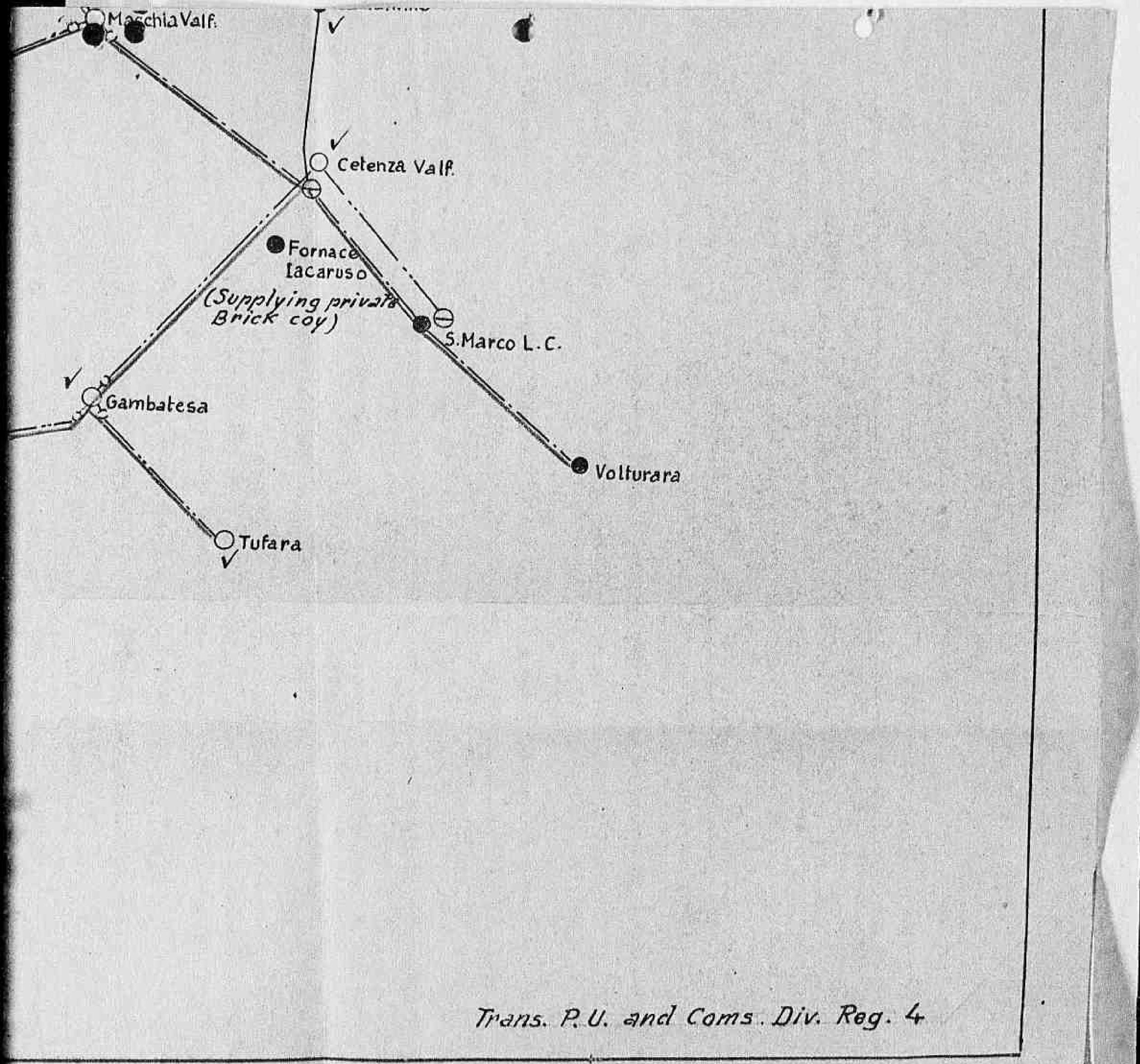


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BIVARO
Oratino
Casalciprano
S. Elena Sannita
ANTONECCHIA
GIORDANO
Busso
Spinete
Baranello
COLLEDANCHISE
Colledanchise
Fontepolo
Montaverde
Castellone
QUIRINO
Bojano
RIOFREDDO
(2 Generators)
(1 Repaired in jan)
1 " " 3 Mths)
AGROSSO
(70KW)
S. Polo
Campochiaro
Guardiaregia
LARGO ZULLO
De Capoa
Vinchiaturo
Ripalimosani
Scalo
Mul. Guacci
CAMPOBASSO
Ferrazzano
Mirabello
GILDONE
S. Giuliano
Cercepiccola
Sepino
Cercemaggiore
S. Croce
BENEVENTO
Not used

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Trans. P.U. and Coms. Div. Reg. 4

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PROVINCIA DI

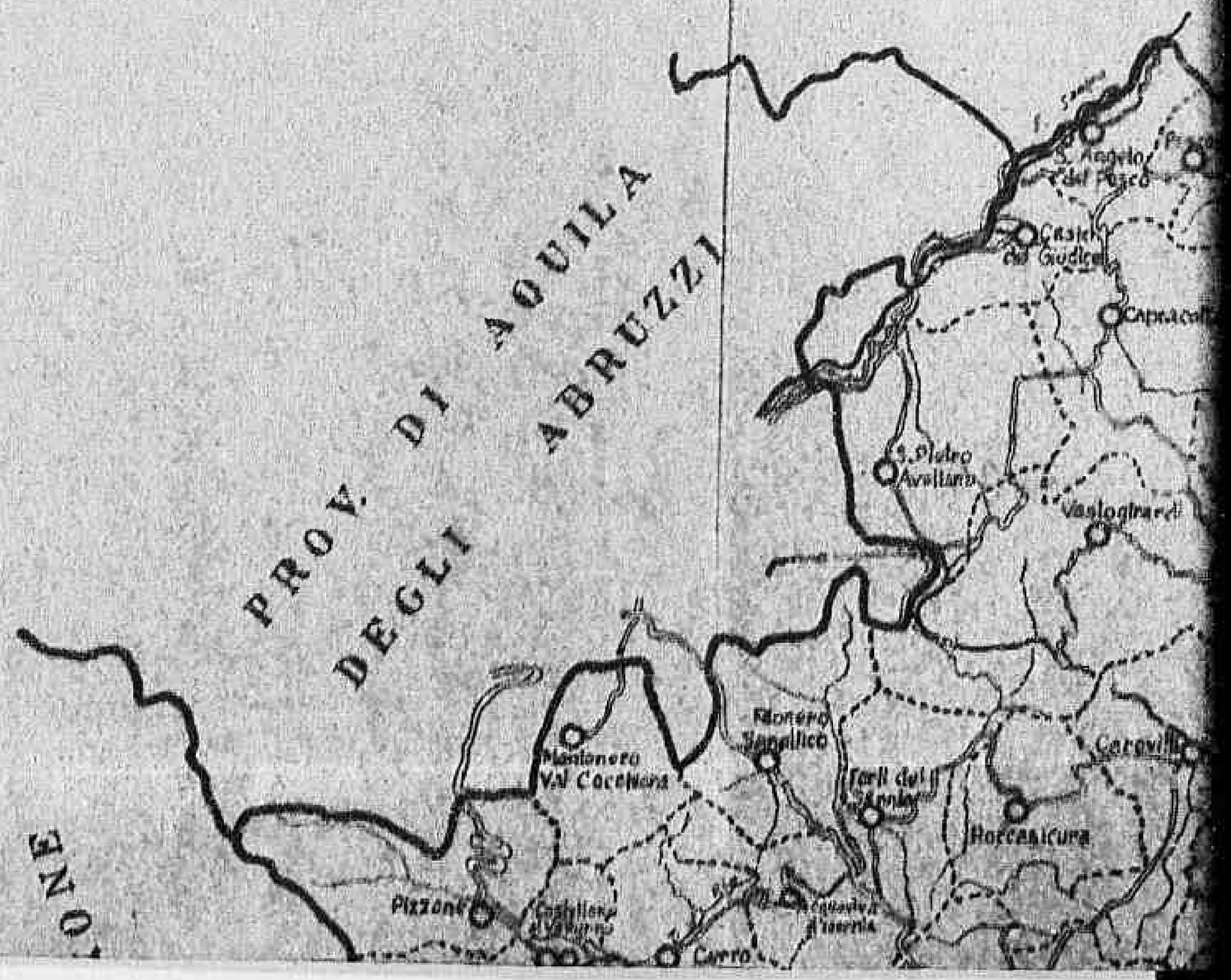
3 2 1 0 3 6 9 12 km.

Segni Convenzionali:

——— *Confini di Provincia*

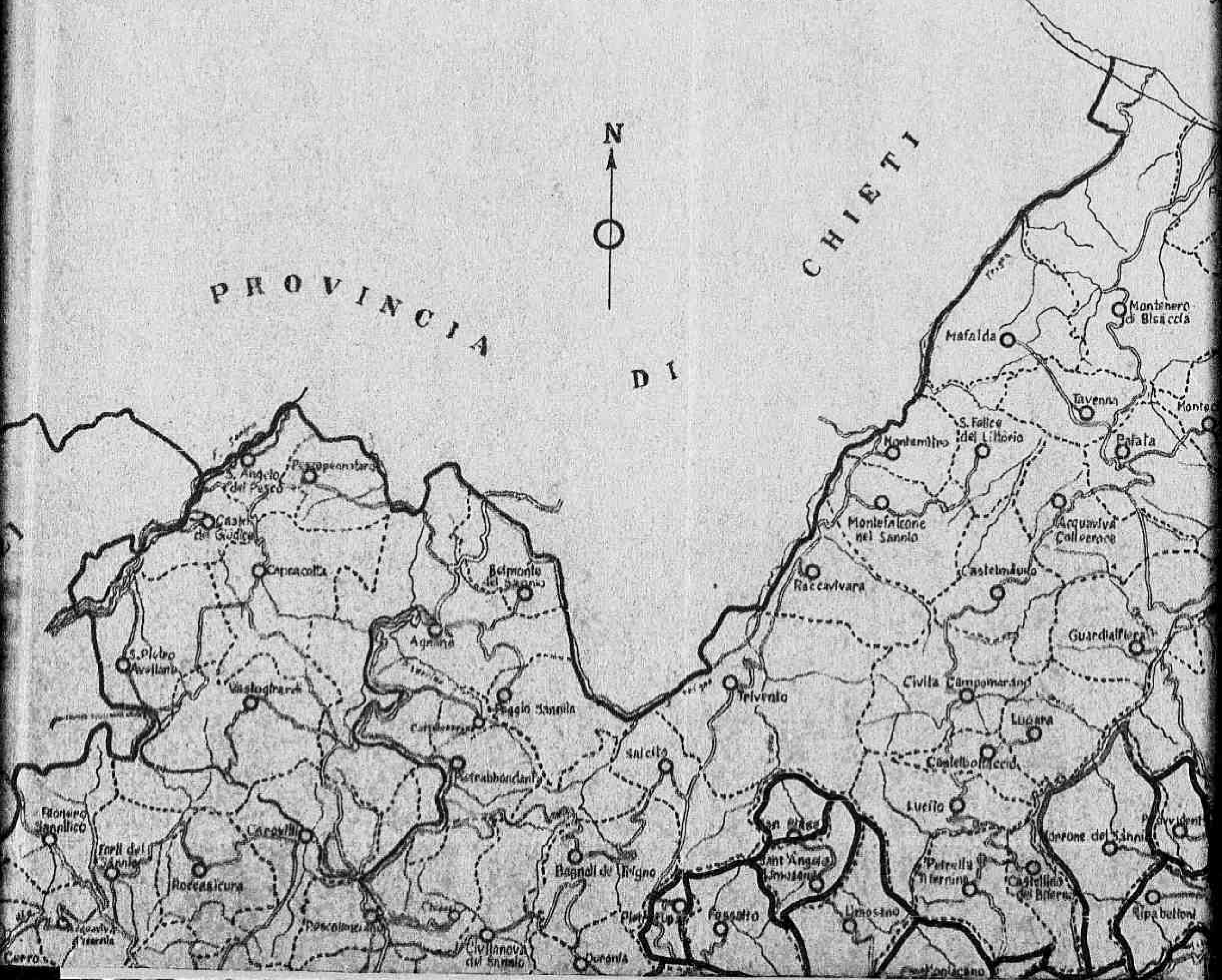
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..... *" " ex-Comune*

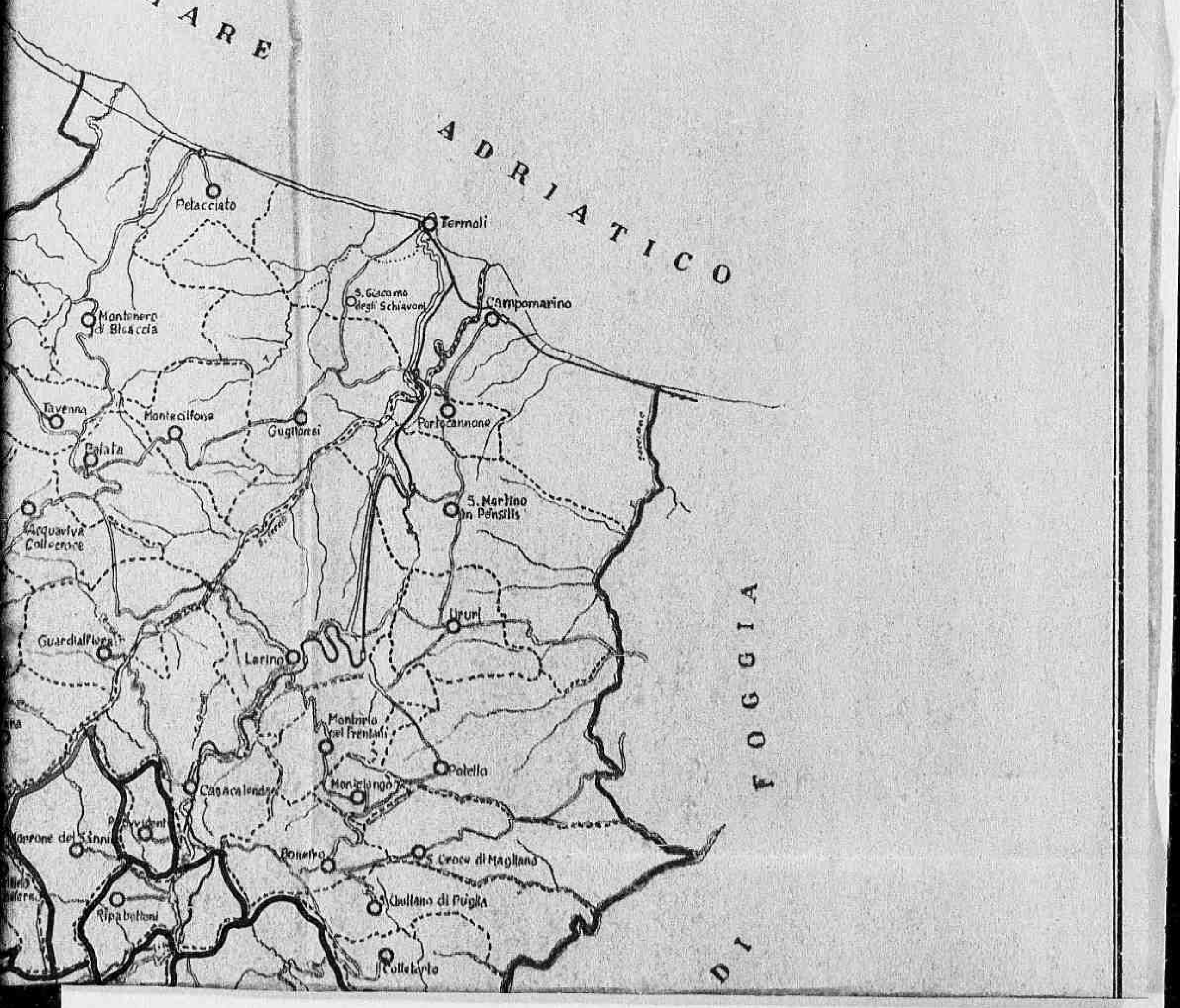


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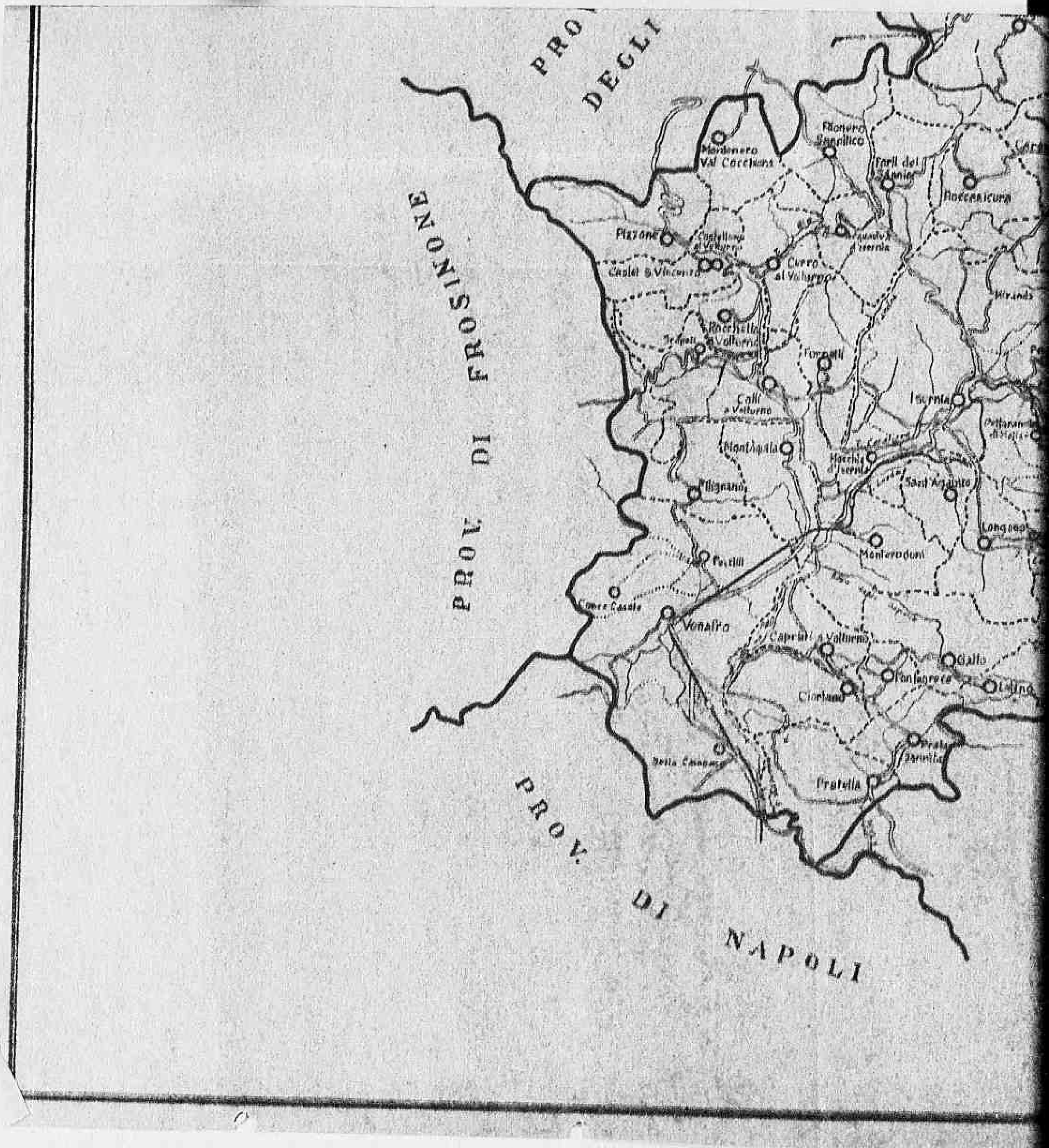
IA DI CAMPOBASSO



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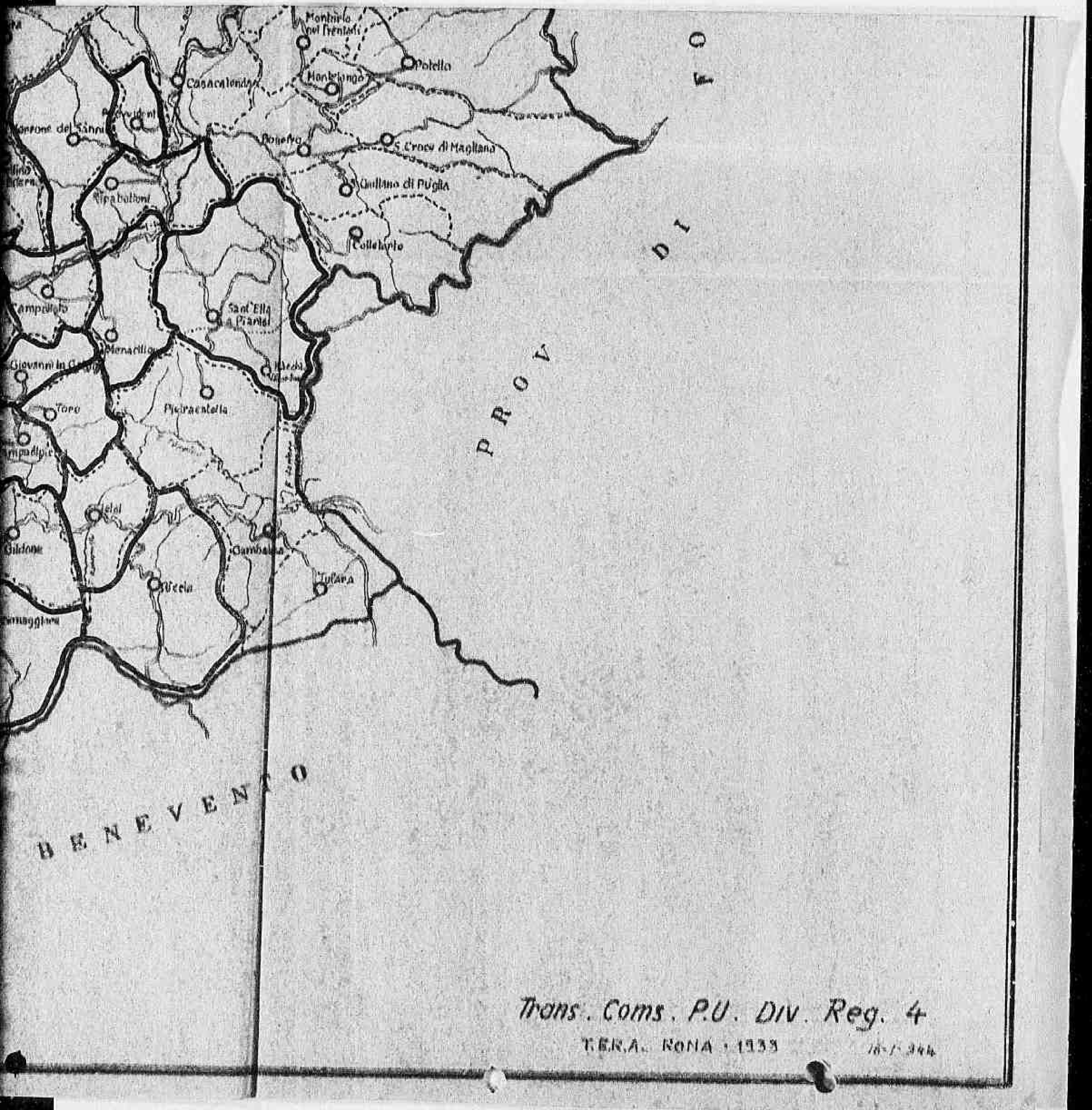
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Trans. Coms. P.U. Div. Reg. 4

T.E.R.A. ROMA - 1933 16-I-344

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

Electrical Mech Unit

file 40-AC/05-1/PWM

HEADQUARTERS ALLIED CONTROL COMMISSION /drr

APO 394

26 January 1944

Ref: PW&M/49

Subject: Electric Power Consumption

To: Director, PW&M/ Sub-Commission, HQ AMG

Attached handed to me by Industry and Commerce Sub-Commission is forwarded.

The letter mentioned therein has not been seen by me, hence my cable to inform you as to its whereabouts.

R.A. Wilson.

Major, R.A.
PW&M Sub-Commission.

Lt Col Rapper 28/1/44

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

25 JAN 1944

Subject:- Electric Power Consumption.

2179
40

14 CE Works,
HQ No. 2 District,
Tel. No. 11422
CE/113/6
24 Jan 44.

AG
Allied Control Commission —
AMG Region II
AMG Region III

With reference to HQ No. 2 District letter 1549 Q dated 22 Jan 44. 25408

Herewith a copy of the daily load curve chart referred to in para 5 of the annexure.

for Brigadier,
Chief Engineer.

RAL/JB.

T.O.O. 1225

Copy to : 'Q'.

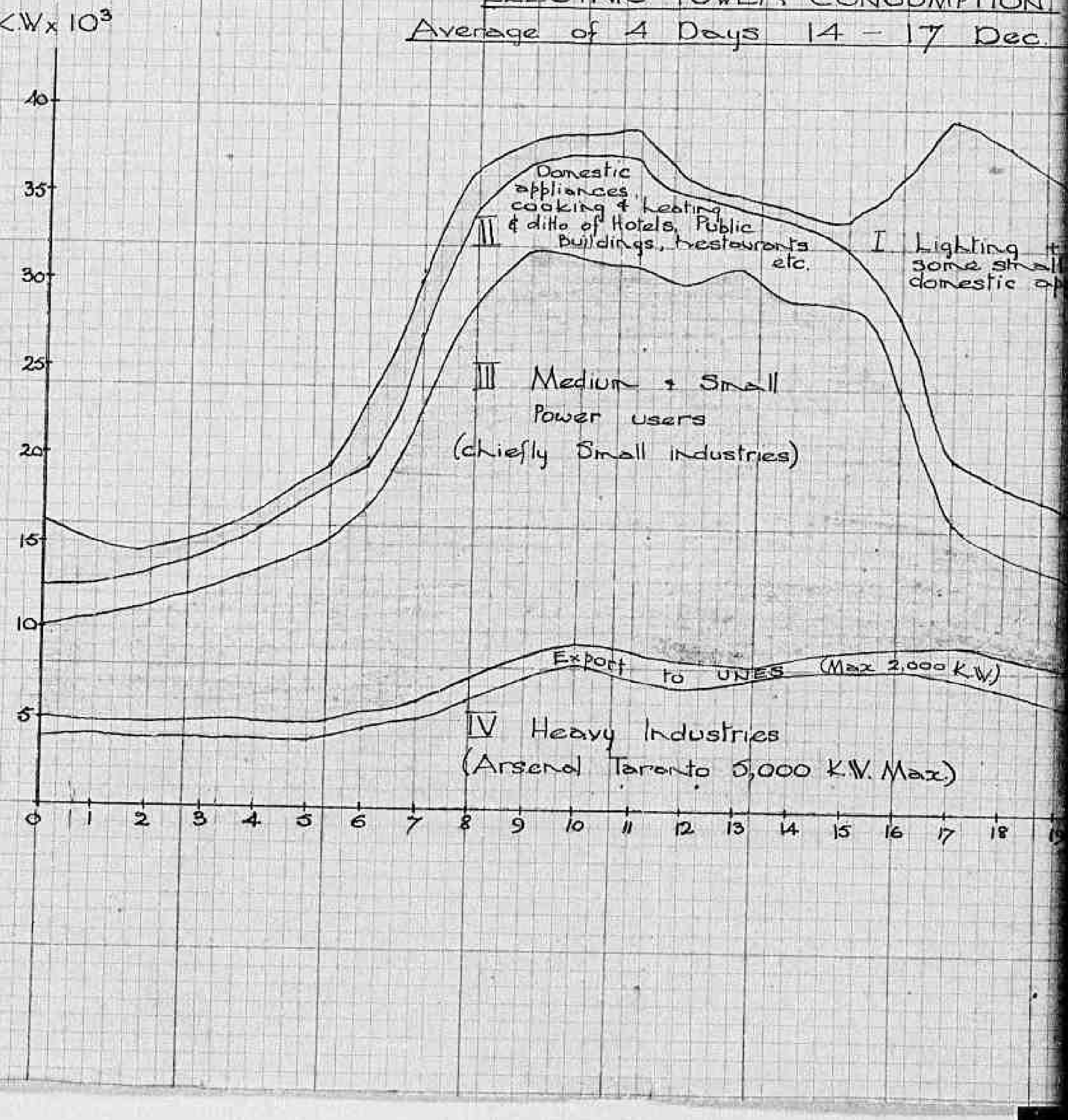
Major Wilson
P.U. AW
Sub Comm
33

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

S.G.P.E.

ELECTRIC POWER CONSUMPTION

Average of 4 Days 14 - 17 Dec.



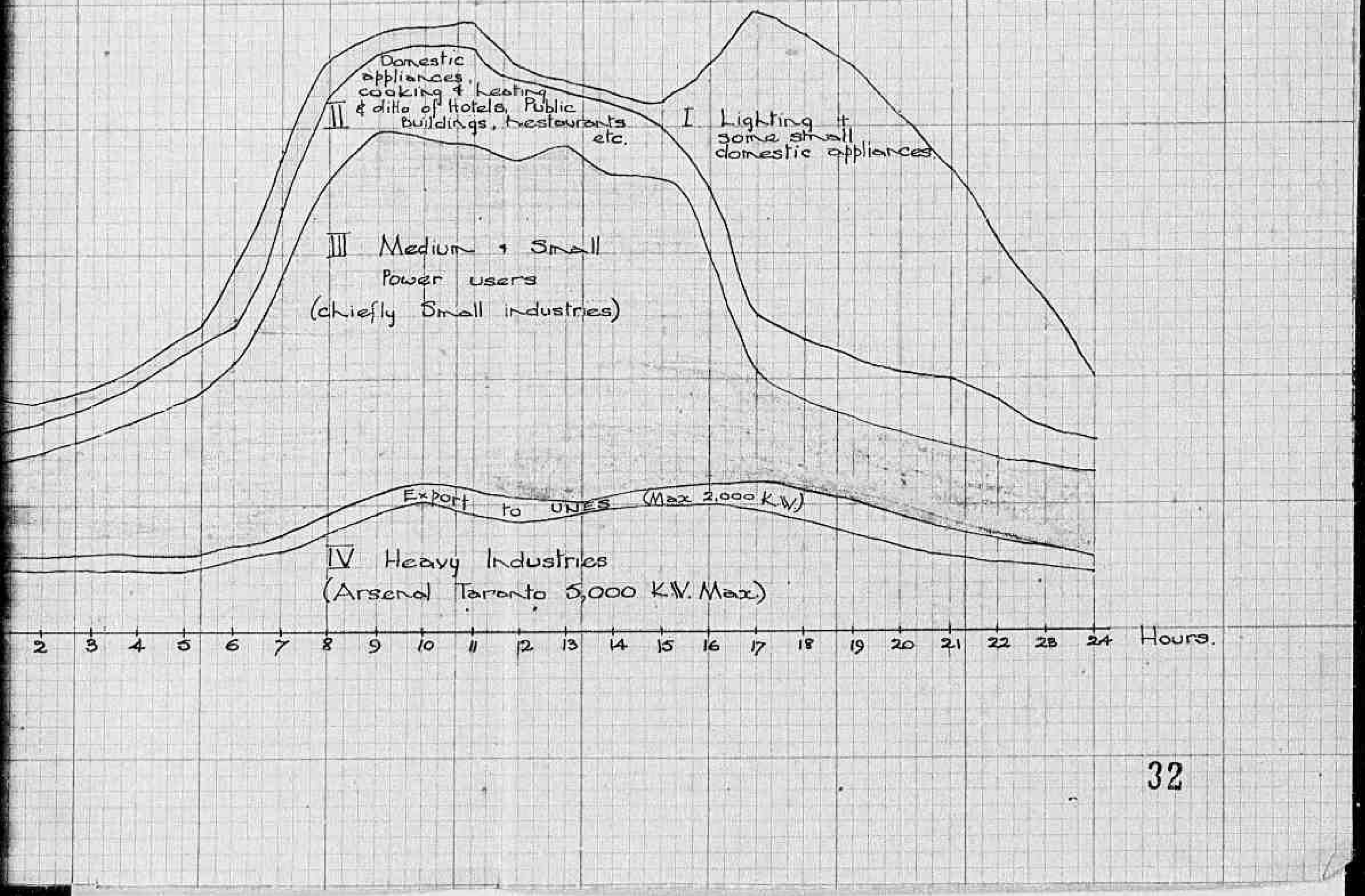
Declassified E.O. 12356 Section 3.3/NND No. 785019

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S.C.P.E.

ELECTRIC POWER CONSUMPTION

Average of 4 Days 14 - 17 Dec. 43.



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

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
Public Works and Mines Sub-Commission

El & Adm Div.
WML/ccb

ACC/051/PWM

26 Jan 44

Subject: Electricity, Italy. Review of Applications for Rate Increase.

To : Lt-Col L.A. Jenny.

We have now received applications for increase in rates from the following Electricity Companies.

1. G.E.C., Sicily.
2. Societa Elettrica Della Calabrie.
3. Societa Lucana impresi Idroelettriche.

In making an examination of these reports on applications for increase in rates the following points have been observed.

Leaving out for the moment the G.E.Co. Sicily which will have to be dealt with separately,

1. The Societa Meridionale di Elettricita with head office in Naples, Central Director Dott. Ing. Girolamo Maglione, have the following controlling interest in the above S.E.C. and S.L.I.I. Companies:

(a) Societa Elettricita della Calabrie,
Capital L25,000,000
80% S.M.E.
20% Public.

Very small public participation.

(b) Societa Lucana impresa Idroelettriche,
Capital L48,000,000
92% S.M.E.
8% Public.

Furthermore, in the notes of the meeting of the Electric Power Committee of the Allied Force Local Resources Board (Italian) held in Naples on January 5, it is stated that:-

"The Societa Meridionale di Elettricita im shortly to raise its charges for electric power supplied to the distributing companies by 82.5%

31

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

37

As this question of rate increase is a matter of high policy I have not so far discussed the matter with the S.M.E. or the distributing companies concerned, but in view of the above information I suggest that we have a preliminary meeting with the Central Director of the S.M.E. and obtain from him a statement as to the intention of the Parent Company and the subsidiary companies.

W.M. LAPPER,
Lieut-Colonel,
Chief, El & Adm Div.

30

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

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HEADQUARTERS REGION 4 MAIN
Allied Military Government
A.P.O. 394.

HCWV/mf

TO : Lt. Col. LAPPER, A.C.C.

FROM : Div. Tn., P.U., & Cmns. Region 4.

SUBJECT : La Rocca Power Plant - Report.

REFER. : AMG 4 E/702

DATE : 25 January 1944.

1. The attached letter (translation included) dated 6 January 1944 has been received in respect of La Rocca power plant destroyed by the Germans in their retreat from the R. Biferno.

2. As the replacement of this equipment is a long term policy the information is passed to you for necessary action.

H. C. W. VENNING,
Lt. Colonel, R.E.M.E.

Enclosures: 2.
Letter and Translation.

#40

Note:- The town of La Rocca is located about 5 miles N.W of Campobasso in territory of S.E.D.A.C.

29

35

Rough Translation of letter dated 6th Jan. 1944 from owner of Molina e Pastificio also director of Power Station La Rocca.

Machinery necessary for the reconstruction of thePower Station "La Rooca" situated on the Biferno River on the provinciale Garibaldi, tenimento di Ortino, near the bridge, the property of the said Ditta Guacci Ferdinando Campobasso.

The said Power House has been in a state of destruction owing to the result of German spoilation since the 1st Oct. 1943.

Assuming that the effective working head is 14 metres. and the the intake flow is 10m3 it would be necessary to instal 3 sets of alternating turbines of which one would be in reserve, each set having the following characteristics:

Fall (Head) 14 metres. Flow 5m3.

Turbine with action and reaction--Height aimed at that of the best output of the machine.

Turbine alternator directly coupled with either horizontal or vertical axis. According to normal modern construction.

Alternator having capacity of 20% above that of the maximum of the turbine. Tension 500 Volts 45 Cycles.

An elevator of tension as above in reserve.
All the equipment and instruments, automatic switchgear and machines and lines necessary. etc.

The reconstruction of the said power station will be today of great usefulness for the province for all the zone served by the 9200 Volt is practically without power as all the Power Stations of similar characteristics have been destroyed.

(Signed) RICARDO GUACCI;

Reproduced: Div. Tn; P.U., & Cmns. Region 4.
23 January 1944.

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

MOLINO E PASTIFICIO

DITTA ING. FERDINANDO GUACCI

34

Campobasso

Campobasso, 6 Gennaio 1944

Macchinario occorrente alla ricostruzione della Centrale Rocca, sita sul fiume Biferno, sulla provinciale Garibaldi, tenimento di Cratino, vicino al ponte, di proprietà della Ditta Guacci Ferdinando Campobasso. La detta centrale é andata distrutta ad opera dei guastatori tedeschi nei primi giorni dell'ottobre 1943.

Tenendo presente che il salto utile da sfruttare é di metri 14 e che la portata da derivare é di metri cubi 10, si dovrebbero impiantare 3 gruppi turbina-alternatore, di cui uno di riserva, aventi ciascun gruppo le seguenti caratteristiche:

CADUTA METRI 14
PORTATA METRI CUBI 5

Turbine ad azione e reazione - altezza di aspirazione quella rispondente al miglior rendimento della macchina.

Turbine ed alternatori direttamente accoppiati, ad asse orizzontale o verticale, a seconda delle norme costruttive moderne.

Alternatori aventi una potenza del 20% superiore a quella massima della turbina. Tensione Volta 500, periodi 45.

Un elevatore di tensione 500/9200 Volta, sufficiente as elevare l'energia prodotta da tutti e tre i gruppi funzionanti in parallelo e con la massima potenza.

Un elevatore di tensione come sopra di riserva.

Tutta l'apparecchiatura e gli strumenti di misura, interruttori automatici di macchina e di linea ecc. ecc.

La ricostruzione di detta centrale sarebbe oggi di grande utilità per la provincia, giacché tutta la zona servita da linee a 9200 Volta é praticamente senza energia giacché tutte le centrali con simili caratteristiche sono andate distrutte.

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

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Turbine ad azione e reazione - altezza di aspirazione quella rispondente al miglior rendimento della macchina.

Turbine ed alternatori direttamente accoppiati, ad asse orizzontale o verticale, a seconda delle norme costruttive moderne.

Alternatori aventi una potenza del 20% superiore a quella massima della turbina. Tensione Volta 500, periodi 45.

Un elevatore di tensione 500/9200 Volta, sufficiente as elevare l'energia prodotta da tutti e tre i gruppi funzionanti in parallelo e con la massima potenza.

Un elevatore di tensione come sopra di riserva.

Tutta l'apparecchiatura e gli strumenti di misura, interruttori automatici di macchina e di linea ecc. ecc.

La ricostruzione di detta centrale sarebbe oggi di grande utilità per la provincia, giacché tutta la zona servita da linee a 9200 Volta é praticamente senza energia giacché tutte le centrali con simili caratteristiche sono andate distrutte.

(Signed) RICARDO GUACCI

Reproduced: Div. TN. PU. CMNS. Region 4.
23 January 1944.

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

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

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
Public Works and Mines Sub-Commission

El & Adm Div.
WML/ccb

19 Jan 44

ACC/051/PWM

Subject: Electricity Supply, Salerno Glass Works.

To : Director, Sub-Commission.

1. This matter has been discussed with Col Growdon and he states that at the present time owing to shortage in overhead line capacity feeding energy to the Salerno district no additional load can be met.

2. A further line will be made available in a few weeks time when the Salerno glass factory load can be carried. This would appear to be in time to meet the factory starting up date.

3. It is further understood from Col Growdon that information will shortly be available giving the amount of electrical energy available in each province and it is suggested therefore that Industry and Commerce tabulate the factories in order of priority so that the electrical companies are supplying energy to consumers in the proper order of priority.

4. This setting of priorities is a most important matter and one which may seriously affect the Highway project which the Italian Government are carrying out under the direction of this Sub-Commission, and which AFHQ consider to be a most urgent matter, if, for instance, the cement factories etc were not given the very highest priority.

W.M. LAPPER,
Lieut-Colonel,
Chief, El & Adm Div.

Lt Col Lapper
Discuss this with Ind & Commerce and arrange to get the machinery functioning regarding elec. supply problems.

20/1/44

Decided to discuss power with Elect Co and give factory loads, after which Ind & Comm to prioritise.

26

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

043/Rep

HQ ALLIED MILITARY GOVERNMENT
INDUSTRY & COMMERCE SUBCOMMISSION
APO 394

ASB/jf1

AMG/5063/IC

18 January 1944

SUBJECT: Electricity Supplies

TO : Public Works and Utilities Subcommission ✓
THROUGH: Economic Directorate

1. We are arranging to put back into operation the VETRERIA MECCANICA RICCIARDI Glass Works at VETERINA S. MARE, near SALERNO, commencing April. The project has been approved by the Economic Directorate and the Engineering Materials Committee of AFLR (Italian) Board with a view to the creation of a stockpile against future military needs, hospital requirements and other essential civilian needs.

2. The factory is electrically operated and understood to have been disconnected from the low tension supply net as a result of war damage which is stated to be readily repairable. They require a supply of some 60 HP by day and 20 HP by night which must be maintained.

3. Will you please arrange for the supply to be reconnected as soon as possible so that the plant can be tested and also check that the supply, which you will note is a small one, can be maintained as the process is continuous and a five months (minimum) run is planned.

W. P. EVANS
Colonel
Director, Industry & Commerce
Subcommission

Lt Col. Draper
To arrange for necessity 19/1/44

Do 31 - Dist. Instruction

19 Jan 44

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

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LIST OF ELECTRIC MOTORS AVAILABLE AT

" SOCIETA' ANONIMA FERRO E METALLI " PALERMO

Quantity	Description
1	Tosi motor 750 HP, 700 effective, type Wolkfoca condensor.
1	Electrical ventilator centrifugal N F A No 150/2 x 300/5 for steil mill.
1	Electrical Pump Marelli EG.125 No 154 with "suocherola"
1	Motor Sangiorgio 200 / 400 HP.
1	Motor A.E.G. No 1731- type D. 750 / 40- 20 HP. 300 volts, 760 revolutions- 50 Periods.
1	Marble plate with double march, complete with switch and amperometers
2	Generators for gas at the furnaces
1	Motor 30 HP , 600 revolutions-power distributor to the ochole shop , with connection to the main pulley.
1	Marble plate with three pole interruptor
1	Motor Fratte 200 HP indicated, 170 effective.
1	Savigliano Alternator , No 8475 , 315 volts , 88 amperes - 600 revolutions , 200 HP.
1	Savigliano Exciter , No 4476 / 45 volts , 85 amp. 600 revolutions.
1	Distribution panel for high tension current, with kw registrator.
12	Switches
1	motor No 2045 , 300 volts- 50 periods , 890 revolutions , 2 HP.
2	Wooden Panel with isolation and swithhes of 260 volts , 80 amp.
1	Motor 75 HP, 300 volts , 50 periods , 18 amp .
1	Marble panel with triphase swith and Tonson Honston amperometer.
1	Motor A.E.G. and idraulic pump Tonson Honston No 1780 , type 1010 , 10 HP . 300 volts - 965 revolutions , 50 periods - 19 amp . for the Noria.
1	Motor for regulated ventilator for the workshops and foundries.
1	Motor No 138799 , type A N 50/6 300/50 , 4 ½ HP.
1	Motor A.E.G. , No 1869 , type C. 30 / 8- 18 HP. 300 volts- 434 amp.
1	Savigliano motor No 6388 - 2 HP .

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

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Quantity	Description
1	Savigliano Motor No 6700 - 22 HP - 300 volts- 1440 revolutions - 45 amp - 50 periods , with perpetual screw on the transmission axis of the rolling transporter for beams.
1	Marelli Motor , type O.M. 10000 , No 64083 - 1450 revolutions , 300 volts , without pulley with rheostat , full load , type 100 /9
2	Tripolar switch , with 50 amp. valves
1	Marelli Motor No 64462 , type C N C H - 10 -HP. 1450 revolutions - triphase 300 /50 with rings , with disc , without holes .
1	Triphase Motor No 75/11 - complete with pivots and pulleys , 360 / 220 millimeters , with rheostat.
1	Motor A No 75 /11 - type , triphase 300 / 50 - 7.5 HP - 1440 revolutions - with rings and R A 71 / 1 Marelli rheostat.
1	Savigliano Motor No 6534 - 18 HP - 1400 revolutions 50 periods - 300 volts - with rheostat
1	Motor A N 250 / 6 - 200 HP - 980 revolutions
1	Savigliano Motor
1	Savigliano Motor , large
1	Savigliano Motor , medium
1	Savigliano Motor , small
1	Savigliano Motor , broken

Note This data taken from repost prepared by the Plant Engineer of the S.A. Ferro e Metalli. Details of motor characteristics were lacking for many of these items.

24

28

Notes re Italy Electrification

1. 90% to 95% is generated in hydro plants

2.

Year 1942	Installed capacity mill KW	Output mill KWH
Hydro electrical plants	5,500	19,500
Thermal plants	1,000	1,000
Total	6,500	21,000

3. Total installed capacity of electrical generating plants at end of 1941 equal 6,298,900 KW.

4. 75% of the hydro plants are concentrated in Northern Italy.

5. Two thirds of the electric power generation and distribution is under the control of a small number of large companies. The balance is in the hands of municipalities, industrial companies, the state railways and some small independent companies.

6. The five largest companies are:

Company	HQ.	No of Affil Companies.	Distribution in year 1938.
1. Societa Edison	Milan	41	4,250 mill KWH.
2. Societa Idroelettrica Piemonte (S.I.P.)	Turin	9	2,190 " "
3. Societa Adriatica di Elettricita	Venice	20	1,140 " "

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

3. Total installed capacity of electrical generating plants at end of 1941 equal 6,298,900 KW.

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2. Societa Idroelettrica Piemonte (S.I.P.)	Turin	9	2,190 " "
3. Societa Adriatica di Elettricita	Venice	20	1,340 " "
4. Societa Meridionale di Elettricita	Naples	18	1.470 " "
5. La Centrale	Florence	14	1,565 " "
6. Unione Italiana Esercizi Elettrici(UNES)	Rome	5	410 " "

7. Autumnal drought followed by prolonged freezing caused serious loss in output from hydro stations. In early 1942 some factories had to be shut down and others shortened working hours due to this cause.

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

8. Industrial consumption of electricity declined as much as 35% in February and March 1942 due to above.

9. Power plants in Southern Italy in Allied hands at 1 Jan 44:

Hydro plant installed capacity	307,105 KW.
Steam Plant " "	74,538 KW.
Total Capacity	381,643 KW.

(Above does not allow of any war damage.)

10. Distribution of Hydro Electric Power Plants, 1938.

Region	Installed capacity	Per cent of total
Northern Italy	3,395,400 KW	76.4
Central Italy	762,300 KW	17.2
Southern Italy	210,100 KW	4.7
Sicily & Sardinia	77,200 KW	1.7
	4,445,000 KW	100

11. Only one High Tension interconnection between Northern and Central Italy, Tavarnuzze to Chiusi.

12. Frequency of supply in Southern Italy: 45 Cycles.

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

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

C

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File Electricity Italy work

Meeting 1530 hours 5 Jan 44.

Col Adams.
Col Growdon.
It-Col Reiter.
It-Col Lapper.

Meeting to discuss the availability of Electrical Energy in Southern Italy.

1. No additional energy will be available until the end of January.

2. It may be necessary to cut off some supplies before the end of January in order to conserve water.

3. At the end of January a 15,000 KW plant with a further 15,000 KW plant at end of April may be available at the Naples Power Station. If this is made available, and there is a doubt due to oil for boiler firing and also the plant has not yet been tested, then there may be additional power available, but it is most likely that this will take the place of the suggested reduction of energy from the hydro stations.

4. AFHQ will state the energy required for Army needs which have first priority.

5. Industry and Commerce should examine present factories using electricity and see whether they are all of high priority.

Col Lapper
Place this in your Power file and one copy in a similar file for Internal Economy
8/1

W.M. LAPPER.
Lieut-Colonel.

21

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

HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works and Mines Sub-Commission

LAJ/cw 23

ACC/150/PWM 7 Jan 44

file c4

Subject: Electric Power.

To : Deputy Vice Pres. Econ.& Adm. Section, A.C.C.

1. Following our discussion of this morning on the above subject and the reservations which should be made if a new section is set up under A.F.H.Q. to handle the rehabilitation of electric power, I wish to submit the following:-

2. One of the functions of the Public Works and Mining Sub-Commission is to endeavor to have Italian Civil Authorities take over the operation andmanagement of plants and to relieve the armed forces of these tasks. In this connection such matters as payments by the Italian Government (or by A.C.C. for Italian Account); labor problems, deficits, rate matters, etc, are functions which this Sub-Commission must handle with the Ministry of Public Works and our Finance and Labor Sub-Commissions, and to see to it that these come within the economic pattern prepared by A.C.C. and guard against inflation. This was clearly recognized when on Nov21, 1943 ADM Order No 4 (copy attached) was issued creating the Electric Mission. Therefore, the work of this mission was, and in any new capacity should be, restricted to:

a Electric generating , transmission, sub-station and transformation facilities, also the determination of available current on these transmission lines.

3. As I understand it the Central Economic Committee will then decide how much of this current will go to Military uses and how much will be available for civil uses.

4. From that point on the distribution and rationing for civil purposes becomes a function of this Sub-Commission as authorized in Adm Order No 4 of 21 Nov 1943, and which will have to be done in conjunction with the Industry and Commerce Sub-Com. who will designate to us what plants have operation priorities and current requirements. Gradually, as Italian Officials qualify, they will handle this under our supervision; It becomes very much a local problem and at Palermo was the subject of daily conferences to meet changing requirements, and to ration current so as to use all available current over a 24 hr period assigning specific hours of the day or night to plants at which they could operate.

20

L.A. JENNY.
Lt. Col. C.E. Director

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

R E S T R I C T E D

27

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
APO 512

21 November 1943

ADMINISTRATIVE ORDER)
:
NUMBER 4)

ESTABLISHMENT OF TECHNICAL MISSION ON REHABILITATION OF ELECTRIC POWER FACILITIES.

1. There is created within this headquarters a special Technical Mission to be known as the Electric Power Mission. The functions of this Technical Mission will be to survey electrical generation, transmission and transformation facilities in all occupied territory and to arrange, with the appropriate authorities, for the rehabilitation and repair of such facilities.

2. The responsibility of this Technical Mission will extend only to generating, transmission and transformation facilities. It will not extend to facilities for local distribution, or to administration, financial, wage and rate matters in territory controlled by HQ AMG or A.C.C., which will continue to be handled by the Public Works & Utilities Subcommission. The activities of the mission will be closely coordinated with those of the Public Works & Utilities Subcommission.

3. The Mission will perform its functions not only in territory subject to AMG HQ but will also, with the consent of the appropriate authorities, perform such functions in territory of 15 Army Group, in conjunction with the Engineers of the 5th and 8th Armies, and in territory now or hereafter controlled by the Italian Government.

4. The Mission will, for purposes of operation, be responsible directly to the Economic Director for AMG HQ. For purposes of AMG Administration it will be attached to the Economic Directorate.

5. The Mission is provisional and its establishment is to be regarded as temporary.

6. Colonel JAMES P. GROWDON is named Chief of the Electric Power Mission.

By command of Brigadier General MOSHERRY:

E. GUETERBOCK, Brig.
Acting Chief of Staff

OFFICIAL:

L.W. STEARNS, Capt. AGD
Actg Asst Adj Gen.

DISTRIBUTION
" A "

insert " not directly related to the technical functions of the mission. (Administrative Order No. 8 dated 5 Dec. 43.)

19

R E S T R I C T E D

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

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
Public Works and Mines Sub-Commission

LAJ/cw

ACC/050/PWM

31 Dec 1943

Subject: Electric Mission.

To : Economic Director.

A copy of the minutes of a meeting, held at Palermo on 10 Dec 43, attended by representatives of the Gen. Elec. Co. of Sicily, engineer representatives of Region 1 and presided over by Col. J.P. Crowdon, has been sent to this Sub-Commission by Col Bolick and has reached me on 28 Dec 43. (A copy of these minutes is attached hereto.)

In accordance with these minutes ([redacted]), Col Crowdon has taken action beyond the authority conferred upon him under Administrative Order No 4.(copy attached) and has made decisions contary to established procedure for the handling of such matters.

Specifically:

1. Col Crowdon has dealt with and has given instructions on financial and management matters, which phase, according to Adm Order No 4, has been reserved to be handled by this sub-commission. The matters dealt with can in no way be considered as falling within the jurisdiction of the Electrical Mission, but are a part of the functions of this sub-commission. Furthermore, this matter had received consideration by this Sub-Commission as well as the Legal and Financial Sub-Commissions and the Finance Officer of Region 1, and a letter, approved by these other interested parties and the Economic Director, was sent to Region 1 for transmittal to the Electric Company on 27 November 1943 outlining the procedure to be followed.

2. He has directed that each repair project and the amount to be made available for such projects was to be approved by the R.U.C. when, according to procedure, Regional Public Works Officers are not authorised to approve expenditure of money without reference to this Sub-Commission.

3. He has directed that the Regional Utility Officer approve each month the amount of the operating deficit incurred

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by this company and then to order the Bank of Sicily to make advances to cover such deficit. He has further directed that the study of the rate situation be continued by the RAMG.

This is a matter that must be dealt with by this Sub-Commission in view of the fact that rate matters must be dealt with at a higher level and conferences have been held between this Sub-Commission and the Public Works Ministry regarding the issuance of a decree by the Italian Government permitting rate increases so as to reduce these deficits and, consequently, such deficits must be reviewed first by this Sub-Commission and the Ministry in order to control them and permit the issuance of proper instructions regarding the permissible amounts of rate increases and provide the necessary safeguards against inflation. This matter has been the subject of frequent discussions recently at this headquarters.

It must be very obvious that I cannot on one hand deal with such vital and fundamental problems, which are a part of the functions of this Sub-Commission, with the Italian Government and try to reach a solution when others, without my knowledge or consent, issue directions on such matters.

It is requested that Col Crowdon be directed to cease engaging in activities which are strictly the duty and perogative of this Sub-Commission, and that he be also directed to coordinate his activities with this Sub-Commission as directed in Adm Order No4, so that we may be posted on what his Mission is doing and will know how to carry out the functions of electrical distribution and the many financial and rate matters connected with the electrical supply undertakings, reserved to be preformed by this Sub-Commission.

L.A?JENNY.
Lt. Col., C.E.M.
Director.

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Minutes of conference between SGES and ACC on
10 December 1943.

In attendance:

1. CHAIRMAN: Col James P. Growdon. C.E. Electric Power Mission, ACC.
2. Lt-Col C.B. Bolick, F.A. head of T.C.U.P.W., M &S Div. region of Sicily.
3. Major Clair F. Bowman, C.E. Region of Sicily Utilities Officer.
4. Ingr. Dott. Rosario Tricomi. Managing Director SGES.
5. Ingr. Cesare Scimemi, SGES.

Other engineers and accountants were called in from time to time by Ingr. Tricomi.

The following orders and statements of ACC policy were given by Col Growdon for enforcement by the Region Utilities Officer:

1. Financing of repairs -

a. Money to be made available by the Italian Government through the Bank of Sicily.

b. Each project and the amount to be made available is to be approved by the RUO.

c. No payments are to be made to refinance floating debt.

2. Financing of operating deficit.

a. A statement is to be made to give the operating deficit for each month to the RUO. The RUO will order the Bank of Sicily to make the advance to cover the deficit.

b. There is to be included nothing for
(1) Taxes
(2) Interest or dividends.
(3) Payment of debts.

c. Orders are tobbe issued by RAMG to protect the Co. against penalties which might be incurred because of such defaulting.

3. a. All repairs will be made as far as possible with local materials.

b. Order of priority of repairs is to be specified by RAMG.

c. Frozen materials needed will be released through the RUO.

d. A procedure to permit the release of essential allied government materials available (Army, Navy or requisitioned stocks) is to be arranged by the ACC.

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e. All steam plants are to be cleaned u[illegible] (Porto Empedocle); is now in good shape).

f. Transport required is to be requisitioned through civilian channels.

g. Petrol is to be obtained through normal provincial channels.

4. No increase in rates will be allowed by the AMG, but the study of the rate situation is to be continued by RAMG. This question will be left for the Italian Government.

5. Fuel problems are to be handled through RAMG.

a Only Sardinian Coal can be expecyed.

b. Continuation of supplies to be insured by RAMG clearing again with Region Economics Supply and ACC Fuel Sub-Commission for supplies for Catania, Palermo , and Porto Empedocle electric plants and the Palermo and Trapani gas plants.

c. The questions of price and delivery points are to be clarified by RAMG.

6. It was directed by Col Growdon that

a. The SGES was to receive all orders as to policy through the ~~RAMG~~ RUO.

b. The SGES would make all requests for supplies or instructions from Allied Sources through the RUO.

DISTRIBUTION:
2 - Electric Power Mission
1 - Public Works & Utilities Sub-Commission
1 - Region 1 HG
1 - T.C.U.P.W.& Mining Div.

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14

COPY

HEADQUARTERS ALLIED CONTROL COMMISSION
APO 394

EDT/hjp

In reply refer to:
321.24

3 January 1944

MEMORANDUM FOR: Mister Grady

General Joyce would like to have your comments upon the proposal attached hereto. Will you kindly discuss the matter with General Robertson and Colonel Crowdon and recommend the position General Joyce should take on the proposal?

For the Deputy President, Allied Control Commission:

[illegible] D. TAYLOR
Brigadier General, USA

1 Incl:
Ltr, AFHQ, Adv Adm Sch
59/D [illegible] 26 Dec 43

From Eisenhower

14

13

C O P Y

SUBJECT:- Electric Power Service

AFHQ Adv Adm Echelon
CMF
59/8

26 Dec 43

AFHQ
Allied Control Commission (for Maj-Gen. Joyce)

Copy to:- CG PBS
NDC

1. There has been some doubt as to the relative responsibilities of Allied Control Commission and of the Local Resources Board in regard to the rehabilitation and distribution of electric power.

2. The electric power system of ITALY resembles to some extent the railway system in that any organisation for its repair and development must cover the country as a whole, and be subject to centralized control. Any doubt as to the relative responsibilities of separate organisations is most undesireable.

3. A proposal has now been put forward by Colonel James P. Crowdon of the Electrical Sub-Commission of the ACC advocating the establishment of an Electric Power Service operating under this HQ. Colonel Crowdon proposes that he, himself, should be the head of this Service and that an establishment be drawn up, integrated US and British, with clerical staff and transport. This staff can only partly be found from the existing staff of the Electrical Sub-Commission ACC. The establishment of this Service will place Colonel Crowdon in a similar position to that occupied by Brig-Gen. Carl Gray as head of the Military Railway Service.

4. The responsibilities of this Electric Power Service would comprise the repair and development of Italian state and privately owned electric power systems up to and including local sub-stations. From this point responsibilities would remain with the Area or Base Section Commander concerned. All questions regarding the allocation of electricpower as between civil and military users or between the various military services, Naval etc., would be decided by the Electric Power Committee of the Local Resources Board.

5. I consider that this proposal has much to commend it. I should be glad to know whether it is approved in principle by AFHQ and also whether Maj-Gen. Joyce would be prepared to accept it. It would be understood that at a later stage, as the advance into ITALY progresses, the matter could be reviewed in case it should then seem desirable for

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

Copy to:- CG [redacted]
DCW

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6. If approval in principle is given I will have the details worked out and keep you informed on progress.

/s/ - - [illegible] 13

Major General.
Deputy Chief Administrative Officer

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HEADQUARTERS
ALLIED MILITARY GOVERNMENT
Public Works and Mines Sub-Commission

WEL/cw 12

4 Jan 44

Memorandum.

To: Lt. Col. Jenny.

With reference to the attached, copy 20, minutes of the A.F.L.R. (1) Board dated 11th Dec/43.

The only comments I have to make on matters affecting this Sub-Commission noted in these minutes are on the statement in item 4.

The statement referred to is that the allocation of Electric Power is the responsibility of the A.F.L.R. (1) Board.

I do not agree with this view as A.F.L.R. (1) Board merely decide the disposal of material and it id for ACC/AMG Industry and Commerce Sub-Commission to study the manufacturing position and inform this Sub-Commission of their Electrical requirements. We will see then, that so far as the power flow situation allows, allocation of electrical energy is made accordingly.

O.K.

Lt Col Lapper

Noted RJ

Keep with your other records on this subject.

Do. " destroyed.

W.M. LAPPER.
Lt; Col.

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

1350 C.

To Lt Col Jenny - PWB/G
Report given me by Major Todds
Colonel Cole Acknowledged copy Todds 9

ALLIED FORCE HEADQUARTERS - ADV. ADMIN. ECHELON+

DIRECTORATE OF WORKS

Ref. 2052/DDW

MEMORANDUM OF ELECTRICITY SUPPLY IN ITALY

1. The electricity supply in Italy, 98% of which is obtained from Hydro Electric Stations, is divided by a line Leghorn - Ancona into two distinct zones. In peacetime there was little or no exchange of power across this line.

2. Attached to this memorandum is a map showing diagramatically the layout of the Southern grid which was run by two main groups, (i) The Terni Group which supplied Rome area and (ii) the Societa Meridionale di Elettricita with its headquarters in Naples. This latter group supplied Italy south of a line Naples - Pescara.

3. There are also certain small producing and distributing companies dealing with purely local supply in small areas. The largest of these, the Volturno Group, which supplied a portion of Naples, is closely allied to and inter-connected with the S. M. E. system. The S. M. E. does not own all the power stations on its system but purchases energy in bulk from privately owned stations for distribution and re-sale. For the purpose of this memorandum all private companies inter-connected with the S. M. E. system are regarded as part of the S. M. E.

4. The estimated average monthly demand for energy, within the S. M. E. area, for the coming year is 42 million kilowatt hours with a peak load of 70 thousand kilowatts. This estimate is based on 70% of the peace time demand exclusive of the electric railways.

5. The undamaged generating stations in the S. M. E. area now under Allied control have a monthly potential of 60 million kilowatt hours while the maximum power output of the stations and transmission lines to meet the maximum demand is 95 thousand kilowatts.

6. It will be seen therefore that there is an estimated monthly surplus of energy of 18 million kilowatt hours with a power surplus of 25 thousand kilowatts. The energy surplus could be increased if absolutely essential by decreasing the reservoir storage. This would of course be felt the following year. The maximum power surplus could be raised considerably with proper control of the use of power at peak load periods.

7. It is probable that the enemy will put the Pescara and Terni group of stations out of action so they will not be available to supply Rome. It will, therefore, be necessary to plan to supply Rome from the stations at present in our hands.

8. At the present moment, however, the surplus power mentioned in para 6 above is not available, nor can present demands in the S. M. E. area be met

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because of damage to the overhead grid system and to its sub-stations and subsidiary feeders. This system is, however, repairable to the extent that the 70% of the peace-time demands mentioned in para 4 can be met.

9. At the moment the President of the S. M. E. and his regional staff are dealing with separate demands from No. 2 District, the P. B. S., No. 57 Area, Amgot, 8th Army and several other consumers. He is without knowledge as to who should have priority and he does not know to whom he should apply for assistance in the matter of materials for repair. The need for these materials was in fact foreseen by the D. W. Branch A. F. H. Q. some time ago and a quantity is on the way but it is unlikely that we shall be able to meet all his needs.

10. The system whereby every user is allowed independently to approach the producer of a commodity in short supply is obviously unsound and it is recommended that one person should be appointed to deal with the S. M. E. Furthermore, the repair of a national system cannot be dealt with on a parochial basis.

11. This person should have the power to control: -

(a) the planning of the repair of the grid system and the priority in which the repairs should be carried out, and -

(b) supplies in any area where supply is exceeded by demand by rationing within the general policy laid down by the staff. All demands for supply should be made to him.

12. I would suggest that discussion of the foregoing be placed on the Agenda for the first meeting of Engineer Resources Committee on the 22nd instant.

/s/ D. L. Anderson,

D. L. ANDERSON,
Colonel,
D. D. W.

DLA/caj.

19 Nov. 43.

DISTRIBUTION:

D. Q. M. G.
C. E., 15 Army Group
D. W., A. F. H. Q.
C. E., No. 2 District
M. G. S., FLAMBO+
War Diary.

10

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By Fast. Air Mail. Col Boone

65 Regt

TO: Lt. Col. Jenny, Actg. Director H.Q. 2675 Regt. A.P.O. 512

FROM: Rear Link P.W. & O.

SUBJECT Electric Power Transmission

DATE 15th Nov. 1943

Ref . A.C/1055.

SIR:

Further to my letter of 13th Nov. Lt. Col. Laboon departed here 14th Nov. 14.30 hours for passage by air to Sicily. Capt. Laughlin's passage has been ordered from here, plane accomodations awaited.

Italy

Capt. Laughlin was requested by me to prepare for you certain data in connection with the possible dislocation of the supply of electric power in South Sicily, Mentioned in the penultimate paragraph of my letter 5 Nov. having available here library facilities. Subject to confirmation of Lt. Col. Laboon the report as prepared by Capt. Laughlin is enclosed herewith.

I have the honour to be Sir.

Yours Respectfully,

W.H. Gamble Capt.

W.H. Gamble, Capt.
P.W. & O. Rear Link

WHG-PG

New file
Electric Power
Italy

9

Copy in file

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

Nov 15th 1943

I

ELECTRICAL POWER SOUTHERN ITALY
(Sicily and Sardinia not considered)

In giving consideration to a plan to meet the power supply for southern Italy, it is assumed that all present plants (Hydro and Steam) are, or can be repaired and placed back in operation within a short period of time. The same assumption is made for sub-stations and high tension transmission lines. No information is available here on the condition of the above physical equipment.

The attached map sets forth the location of known existing power plants together with the routes and voltages of the main high tension trunk lines together with the more important secondary lines over which the power produced in and imported for the area is delievered to points of consumption.

The appreximate location of the zone of military operations is represented by cut off line "A" - "A" on the map. In the region south of line "A"-"A" the electrical energy produced for such years as actual data is available was as follows.

1937 ----	715,400,000	K.W.H.
1938 ----	783,900,000	K.W.H.
1939 ----	909,800,000	K.W.H.

The years 1941 and 1942 were unusually dry drouthperiods in Italy which necessitated severe rationing of electric power to all users except to industries producing war materials. For 1943 and 1944 the power production in southern Italy should not be estimated any higher than 1939, that is approximately 900,000,000 K.W.H. this takes into consideration 97,000 K.W. of additional plant capacity, which it may be assumed from confidential reports were possibly completed and put into operation in 1941 amnd 1942.

During 1937 737,600,000 K.W.H. of power were imported from three northern compartments (Table I attached) This power came from plants north of the cut off line "A"-"A" which plants are at the present time in enemy territory. It will therefore, be necessary to make provisions for additional power plant capacity, or resort to very drastic rationing of electric powerconsuption in southern Italy. The rationing will have to be even more drastic than that imposed by the Italian Government during periods of 1942. This amounted to 30 percent reduction for household use in April and 25 percent reduction for all other uses except essential war industries and transportation.

The total estimated energy requirements for 1944 under normal conditions and based on 1937 requirements would be approximately I,500,000,000 K.W.H. Using all available production estimated to be 900.000.000 K.W.H. from (table II and III attached) leaves a deficiency of 600.000.000 K.W.H. which will have to be obtained from additional power plant capacity until

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such time as the power plants in northern Italy are under the control of the Allied Forces.

ALTERNATIVE METHODS OF PROVIDING ADDITIONAL POWER PLANT GENERATING CAPACITY.

The capacity required for 1944 is estimated at 570.000 K.W. This is based on 1942 estimates of I.500.000.000. K.W.H. required energy for Southern Italy.

The available capacity (table III) is 381.643 K.W. leaving 188.351 K.W. to be supplied from other sources. (Note: 200.000 KW used in following discussion). Such capacity would have to be obtained from either new power plants, idle equipment not used elsewhere, or by the provision of floating, seagoing power plant units which are being constructed in the United States, if the latter are available for temporary use. Suggested locations would be Napoli and Bari at which places the harbour facilities and oil refineries would provide a fuel supply. Information on the K.W. capacity of the floating plants is not available. They are self contained units ready for immediate operation.

The present sub-station at Bari is rated at 24.000 K.W. Assuming a 20.000 K.W. load for Bari this would permit furnishing 60.000 K.W. of capacity into the high tensiontrunk system. Due to the overload on the sub-station transformers provisions would have to be made for forced air cooling. This would leave approximately 140.000 K.W. to be furnished by similar means at Naploi, although substation capacity, transforming generator voltage to 150.000 volts would have to be taken into consideration.

The rationing of power would of course reduce the needed plant capacity of 200.000 K.W. estimated above and careful consideration should be given to that possibility as the first step to meet the situation. The rationing should include not only the energy used in K.W.Hs but the period during the day when it is used so as to lower the system peak loads.

At the Maurizio Capuano plant located in Naples, the Italian authorities have future plans providing for the installation of I00.000 K.W. of additional power plant capacity. Ground space is apparently available adjacent to the present plant, which is reported to be a modern steam plant arranged for wither coal or fuel oil.

Reports indicate that the Matise Hydro storage reservoir capacity can be increased from 500.000.000 cu. feet of storage to 855.000.000 cu. feet by increasing the height of the dam at the storage reservoir. This improvement would provide additional K.W. H's but would not help on capacity without installing larger plant turbine and generating equipment. Since the present dam is an earthen structure material and labor would be available to perform this work.

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4

As the combat lines move further northward the Allies will obtain control of the Three Pescara Hydro plants with a combined efficient capacity of 53.200 K.W. and an estimated annual energy production of 140.000.000 K.W.H. if they are in operating condition. This capacity would reduce additional capacity required from 200.000 K.W. (discussed in the fore part of this report) to 150.000 K.W. and the K.W.H requirements from 600.000.000 K.W.H. to 460.000.000 K.W.H. The Pescara plants are located a short distance north of the cut-off line "A"-"A" on map attached.

In the event that any of the existing power plants located in Southern Italy (table II and III) attached are not in operation at the present time the capacity of such plants should be deducted from the available capacity of 381.643 K.W. mentioned heretofore, and the same amount added to the needed capacity of 200.000 K.W.

There appears to be a break in the 150.000 volt hightension from Napoli south to Tuscanio. Sources of information are in conflict as to whether such a line is or is not in existence. The facts can be readily ascertained from Naples since the area is now in Allied possession. Such a line is essential in the transmission of the proposed plant capacity.

REFERENCES:

(Military Goverhment School and Holding Center Library)

UD- 115 Civil Affairs Handbook -Public Works and Utilities No. 10
CR-235 Topographic Intelligence Study-southern Italy Sect. VIII Utilities
CR-403 Allocation Coal and Imported Materials to Italian Industry.
CR-424 Plant Inventory Italy- Coal
CR-436 Federal Power Commission Report U.S.A. on Italian Electric Power Supply
CR-443 Evaluation of Italian Industry for purpose of occupation. (Coal)
CR-589 Fuel Supply Italy.

L.H. Laughlin
Capt. Engr. Res.
Nov. 15, 1943.

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TABLE I

K.W.H. Produced in Southern Italy by Compartments (Hydro and Steam)
in millins K.W.H.

Year	Comapnia	Apulia'	Luciana	Calabrâa	Total
1937	188.7	0.9	12.8	513.0	715.4
1938	250.3	1.0	13.6	519.1	783.9
1939	329.9	1.0	15.0	563.9	909.8

Imports of power to South Italy 1937.

From	Abruzzi	578.200.000	K.W.H.
From	Umbria	141.300.000	K.W.H.
From	Lazio	18.1000.000	K.W.H.
TOTAL		737.600.000	K.W.H.

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Table No. 2

Power Plants over 1000 K.W. installed capacity south Italy

NAME OF PLANT	LOCATION SYMBOL ATTACHED MAP	PROVINCE	TYPE S-STEAM H-HYDRO	INSTALLED CAP. KW	EFFECIENT CAP. K.W.
Ampelline II	A	Catanzaro	H	74,500 ?	77.000
Maurizio Cappuano	B	Napoli	S	51.000	45.000
Ampelline III	C	Catanzaro	H	35.200	30.000
Ampelline I	D	Catanzaro	H	30.000	30.000
Deganella	E	Napoli	(Diesel)	11.000	10. 300
Matese I	F	Benevente	H	10.500	10.500
Tanagro II	G	Salerno	H	9.600	9.3 00
Tusciano II	H	Salerno	H	9.280	8.000
Suio (Sino)	I	Napoli	H	9.225 ?	10.000
Matese II	J	Benevente	H	8.000	8.000
Giunchi	K	(Reggio di Calabria)	T	2750	2750
Bagneli	L	Napoli	T	2660?	4100
Tanagro I	M	Salerno	H	2000	1800
S. Giovannia a Teduccio	N	Napoli	T	1800	1800
Ferdinandea del Marico	O	(Reggio de Calabria)	H	1800	1800
Muro Lucano	P	Potenza	H	1600	760
Fratto	Q	Salerno	T	1400	1500
Turbolo (Viggianello)	R	Potenza	H	1338	1250
Celeste	S	(Reggio di Calabria)	H	1320	1408
Fiume di Mezzo	T	Cosenza	H	1080	750
Giuliani F.	U	Cosenza	H	1060	1100
Melini (Pedace)					
SUB TOTAL				267.063	257.118
Miscellaneous small plants under 1000 KW (not listed)				17.580	?
TOTAL OF ALL KNOWN PLANTS				284.643	

Summation of plants by compartments reflected on table No. 3

4

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III

POWER PLANTS SOUTHERN ITALY YEAR 1937

Compartment	Installed K.W. Capacity. Hydro-	Steam-	Total Installed Capacity in K.W.
Compania	54.679	69780	124.549
Apulia	---	607	607
Luciana	3598	———	3598
Calabria	151.738	4151	155.889
TOTAL	210.105	74.538	284.643
Improvement in San Mango possibly completed at present time.	17.000	—	17.000
Compania (Ampellino IV scheduled to be completed in 1941	80.000 EST.		80.000 Est.
TOTAL CAPACITY	307.105	74.538	381.643 KW

Estimated production 1942 900.000.000 K.W. H.

Plant Factor estimated 1942 27 percent.

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MAPS & PLANS

1. TRANSMISSION LINES.
SOUTH ITALY.

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

WAR DEPARTMENT

OFFICIAL BUSINESS

PENALTY FOR P
PAYMENT O

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

PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, $300

CHARTS FILMED ON

35 MM

0354