ACC 051/PWU

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(VOL. 2) (PART II)
(SOUTHERN)

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(VOL. 2) (PART II)
(SOUTHERN)

ELECTRICITY ITALY,
ELECTRIC POWER
APR. - OCT. 1944

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

SOUTHERN ITALY

Report on the availability of electrical energy in Southern Italy progressively for the six months ending Feb.28th 1945.

Also estimated requirements of electrical energy for Military, essential Civilian and factory rehabilitation in Southern Italy for the same period.

Prob there is file of E.O. already in destroy this book

Prepared by the Electrical Division
Public Works and Utilities Sub-Commission
ALLIED CONTROL COMMISSION

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

Prepared by the Electrical Division
Public Works and Utilities Sub-Commission
ALLIED CONTROL COMMISSION

L.A. JENNY,
Lt.Colonel, C.E.,
Director.
26th August 1944

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

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

Report on the availability of electric energy in Southern Italy and reduction in generating Capacity due to the destruction of plants by the enemy.

(1) The enemy retreat through Southern Italy was much More rapid than Central Italy. In the first case the conditions were almost always fluid whereas in Central Italy a certain stationary period existed. It is for this reason together with the enemy's greatly improved organisation in demolition squads that the destruction in Southern Italy is considerably less than Central Italy.

(2) In considering the effective capacity of the generating facilities in Southern Italy the following important points should be noted:-

(a) 170,000 KW of the generating capacity is situated in the extreme South. It is known as the Sila Group of Hydro Electric Stations Located in Calabria.

(b) As there are only two high Voltage Transmission lines leading north from the Sila Group, each of 45,000 KW capacity the effective output from the group, apart from Calabria which is fed on a lower voltage system from the same group, is limited to the capacity of these lines and also to the capacity of the Transformers at the Sila Group.

(c) Electricity rationing schemes initiated by A.C.C. and now being handed over to the Italian Government keep the demand within the effective output of the generating plant. This rationing arrangement will have to be maintained until the electrical facilities in Central Italy have been restored and interconnection resumed.

(d) The greatest care is taken to see that the consumption of electricity in the Southern Italy area does not

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almost always fluid whereas in Central Italy a certain stationary period existed. It is for this reason together with the enemy's greatly improved organisation in demolition squads that the destruction in Southern Italy is considerably less than Central Italy.

(2) In considering the effective capacity of the generating facilities in Southern Italy the following important points should be noted:-

(a) 170,000 KW of the generating capacity is situated in the extreme South. It is known as the Sila Group of Hydro Electric Stations Located in Calabria.

(b) As there are only two high Voltage Transmission lines leading north from the Sila Group, each of 45,000 KW capacity the effective output from the group, apart from Calabria which is fed on a lower voltage system from the same group, is limited to the capacity of these lines and also to the capacity of the Transformers at the Sila Group.

(c) Electricity rationing schemes initiated by A.C.C. and now being handed over to the Italian Government keep the demand within the effective output of the generating plant. This rationing arrangement will have to be maintained until the electrical facilities in Central Italy have been restored and interconnection resumed.

(d) The greatest care is taken to see that the consumption of electricity in the Southern Italy area does not exceed the allowable water flow from the Reservoirs. The A.C.C. Southern Italy Electrical Engineer regulates this either by varying the consumption or to a certain extent by the use of the Capuano Steam plant.

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TABLE " A "

Summary of Electrical plant and requirements

(1) Total effective output capacity of generating plant in Southern Italy — 142,600 KW

(2) It is anticipated that the above output capacity will be increased during the winter months due to rainfall. (This does not include Sila group which is limited by Transmission Line capacity). — 10,000 KW

(3) The allocation of Electric power is made by the Allied force Local Resources (Italian) Board Electrical Committee to the various districts. The allotment for September being as follows.

TABEL " A"

District	Allotment in Kilowatts
District 1 UNES	1,500
District 2 Apulia Lucania	42,000
District 3 Campania	23,100
PBS	33,000

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limited by Transmission Line Capacity). 10,000 KW

(3) The allocation of Electric power is made by the Allied force Local Resources (Italian) Board Electrical Committee to the various districts. The allotment for September being as follows.

TABEL " A"

District	Allotment in Kilowatts
District 1 UNES	1,500
District 2 Apulia Lucania	42,000
District 3 Campania	23,100
PBS Naples Santa Maria	33,000
ACC Calabria	11,000
Railways (DGRS)	10,000
TOTAL Demand	120,600

It is expected that this demand will increase during the winter months. Table "E" shows the effective output capacity to meet the demand during the months of Sept.1944 to Feb.1945 inclusive. The Italian Government will arrange to ration supplies to keep within this capacity.

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TABLE " B "

Showing the output capacity of the Generating Stations operating in connection with the Grid System in Southern Italy at 26th Aug. 1944.

Name of Station (1)	Location of Station (2)	Output Capacity at 26th Aug.44. KW (3)
Sila Group (H)	Calabria	105,000
Tusciano (H)	Salerno	4,200
Tanagro (H)	Salerno	2,200
Matese I (H)	Benevento	5,200
Capuano (S)	Naples	20,000
Volturno (D)	Naples	6,000
TOTAL Output Capacity		142,600

Matese I. Set is at present out of operation due to breakdown of Alternator repair will be completed at end of Sept.

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Name of Station (1)	Location of Station (2)	Output Capacity at 26th Aug.44. KW (3)
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Tanagro (H)	Salerno	2,200
Matese I (H)	Benevento	5,200
Capuano (S)	Naples	20,000
Volturno (D)	Naples	6,000
TOTAL Output Capacity		142,600

Matese I. Set is at present out of operation due to breakdown of Alternator repair will be completed at end of Sept.

Sila Group. The total Capacity of the Sila Group is 170,000 KW, the effective output however is less due to the following causes.

(a) Plant is run to suit Reservoir capacity
(b) Transmission Line Limitation
(c) Transformer Limitation.

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TABLE " C "

Showing the output capacity of the Generating Plant connected to the Grid System which is now <u>under repair</u> and the anticipated date of completion.

Name of Station (1)	Location of Station (2)	Output Capacity KW (3)	Anticipated date of Completion (4)
Capuano Calore Aventino	Naples Avellino Chieti	10,000 5,000 4,200	Nov. Nov. Jan.
TOTAL Output Capacity		19,200	

TABLE " D "

Showing the output capacity of the generating plant which is being moved to assist in the rehabilitation programme.

Name of Station receiving plant (1)	Location of Station (2)	Output Capacity KW (3)	Anticipated date of Completion (4)
<u>Matese II</u> (cut from Alto	Benevento	(see Table D page.5. Central Italy Report)	

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(1)	(2)	(3)	(4)
Capuano	Naples	10,000	Nov.
Calore	Avellino	5,000	Nov.
Aventino	Chieti	4,200	Jan.
TOTAL Output Capacity		19,200	

TABLE " D "

Showing the output capacity of the generating plant which is being moved to assist in the rehabilitation programme.

Name of Station receiving plant (1)	Location of Station (2)	Output Capacity KW (3)	Anticipated date of Completion (4)
Matese II (set from Alto Belice Sicily 3,000 KW)	Benevento	(see Table D page.5. Central Italy Report)	
Lete (set from Matese I 5,200 KW)	Campobasso	5,200	Jan.
TOTAL Output Capacity		5,200	

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TABLE " E "

Showing the output Capacity at present, from repaired plants, by transfer of plants and the additional output to be expected during the winter months due to rainfall.

	Sept. KW	Oct. KW	Nov. KW	Dec. KW	Jan. KW	Feb. KW
Present output Capacity	142,600	142,600	142,600	142,600	142,600	142,600
Output capacity from repaired plants	—	—	15,000	15,000	19,200	19,200
Output capacity from transfer of plants	—	—	—	—	5,200	5,200
Output capacity from increase in water	—	3,000	6,000	8,000	10,000	8,000
TOTAL	142,600	145,600	163,600	165,600	177,000	175,000
Est minimum outage for breakdown and Repairs 10%	14,260	14,560	16,360	16,560	17,700	17,500
Effective						

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	KW	KW	KW	KW	KW	KW
Present output Capacity	142,600	142,600	142,600	142,600	142,600	142,600
Output capacity from repaired plants	--	--	15,000	15,000	19,200	19,200
Output capacity from transfer of plants	--	--	--	--	5,200	5,200
Output capacity from increase in water	--	3,000	6,000	8,000	10,000	8,000
TOTAL	142,600	145,600	163,600	165,600	177,000	175,000
Est minimum outage for breakdown and Repairs 10%	14,260	14,560	16,360	16,560	17,700	17,500
Effective output capacity	128,340	131,040	147,240	149,040	159,300	157,500
SAY	128,000	131,000	147,000	149,000	159,000	158,000

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G-5, AFHQ.

SPECIAL

ACO-EMC-27-45 4 September 1944.

Ports as indicated consigned to Public Works & Utilities Subcommission, ACC.

S/
ROBERT A. MARTINO,
Lt. Colonel, S.R.,
Chief, Requisition Division.

S/
A.G. ANTOLINI,
Executive Director,
Economic Section, ACC.

None	1.	POWER PLANT, floating, 30,000 KW, capable of operating at 50 cycles, outgoing voltage of 60 KV preferred (such as floating power plant constructed for the War Department in conjunction with the War Production Board, hulls were constructed by Bethlehem Shipbuilding Co., Bethlehem, Pa., equipment and machinery were installed by United Engineers & Constructors Co., Philadelphia, Pa.), complete in all details for operation and maintenance.	Ea		2
		OR			
None	2.	GENERATOR-TRANSFORMER SET, consisting of:			
		a) Generator, electric, portable, gasoline engine or diesel engine driven, skid mounted, 25 to 50 KW, standard voltage, 3-phase, 45 to 50 cycle.	Ea		30
		b) Transformer, oil immersed, distribution type, 3-phase, 45 to 50 cycle, self cooled, high voltage to be 9,000 volts, low voltage to match generators			30

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3.

	c) Spare parts set and maintenance tool set for 6-month operating period, as recommended by manufacturer.	St		30
None	3. GENERATOR-TRANSFORMER SET, consisting of:			
	a) Generator, electric, portable, gasoline engine or diesel engine driven, skid mounted, 100 to 200 KW, standard voltage, 3-phase, 45 to 50 cycle.	Ea		30
	b) Transformer; oil immersed, distribution type, 3-phase, 45 to 50 cycle, self cooled, high voltage to be 9,000 volts, low voltage to match generators.	Ea		30
	c) Spare parts set and maintenance tool set for 6-month operating period, as recommended by manufacturer.	St		30
None	4. GENERATOR-TRANSFORMER SET,			
	a) Generator, electric, portable, gasoline engine or diesel engine driven, skid mounted, 300 to 400 KW, standard voltage, 3-phase, 45 to 50 cycle.	Ea		31
	b) Transformer, oil immersed, distribution type, 3-phase, 45 to 50 cycle, self cooled, high voltage to be 9,000 volts, low voltage to match generators.	Ea		31
	c) Spare parts set and maintenance tool set for 6-month operating period, as recommended by manufacturer.	St		31
None	5. GENARATOR-TRANSFORMER SET, consisting of:			
	a) Generator, electric, portable, diesel engine or steam			

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	turbine (oil fired boilers) driven, trailer mounted, 2,000 KW, standard voltage, 3-phase, 45 to 50 cycle.	Ea	15
	b) Transformer, oil immersed, distribution type, 3-phase, 45 to 50 cycle, self cooled, high voltage to be 9,000 volts, low voltage to match generators.	Ea	15
	c) Spare parts set and maintenance tool set for 6-month operating period, as recommended by manufacturer.	Set	15
	OR		
None	6. POWER PLANT, TRAILER MOUNTED, turbo-generator, steam boiler, 2,000 KW capacity, 45 to 50 cycle, outgoing voltage to be 2 KV, complete in all details with transformer, switchboard, and 1-year maintenance parts as recommended by manufacturer, GE make or equal.	Ea	10

LAST ITEM

JUSTIFICATION: COMPLETE JUSTIFICATION FOR REQUIREMENTS INDICATED ON THIS REQUISITION IS SET FORTH IN THE ATTACHED REPORT.

This report gives in detail the availability of electrical energy in Central Italy progressively for the six months ending February 28, 1945. There are also given estimated requirements of electrical energy for military, essential civilian and factory rehabilitation in Central Italy for the same period.

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Rating - II

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REQUISITION NUMBER
ACC- ENG-27-45

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APO 394

CENTRAL ITALY

Report on the availability of electrical energy in Central Italy progressively for the six months ending Feb.28th 1945.

Also estimated requirements of electrical energy for Military, essential Civilian and factory rehabilitation in Central Italy for the same period.

Prepared by the Electrical Division
Public Works and Utilities Sub-Commission
ALLIED CONTROL COMMISSION

L.A. JENNY,
Lt.Colonel, C.E.,
Director.
26th August 1944

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

Report on Rehabilitation of Electricity Supplies in Central Italy

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1.	Summary of Electrical plant and requirements	Table A page 1
2.	Output capacity of Generating Stations at present in operation	Table B page 3
3.	Output capacity and date of operation of plants under repair	Table C page 4
4.	Output capacity and particulars of plants being transferred to new locations	Table D page 5
5.	Output capacity of combined effort in rehabilitation for each Month Sept. 1944 to Feb. 1945	Table E page 6
6.	Allocation of present available Electricity supplies	Table F page 9
7.	Future anticipated demands for Military and essential civilian needs	Table G page 12
8.	Detailed information regarding the factories which it is proposed to supply with electricity	-- page 14/20
9.	Details of Monthly demands for anticipated Load	Table H page 21/22
10.	Resolution of Electrical Reconstruction Committee and letter from Italian Minister of Public Works.	page 23

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TABLE " A "

Summary of Electrical plant and requirements

(1) Showing the demand for electrical energy in Central Italy which will be required for the Months of Sept. to Feb. inclusive for Military and essential civilian needs.

(2) Showing the effective output capacity of the available generating plant in Central Italy for the Months of Sept. 1944 to Feb. 1945 inclusive. This capacity is made up as follows:-

(a) Capacity of plant at present in operation

(b) Additional Capacity from repaired plant

(c) Additional Capacity from Transfer of plant

(d) Additional winter output due to rainfall

(3) The final Line "deficit" indicates the amount of shortage in Kilowatts of output capacity if the factories Listed on Table "G" are put into operation.

TABLE " A "

	1944				1945	
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
	KW	KW	KW	KW	KW	KW
(1) Estimated Demand	136,950	147,900	166,800	184,750	186,250	186,750
(2) Generating Plant Effective Output Capacity	58,000	76,000	88,000	114,000	155,000	154,000
(3) Deficit	78,950	71,900	78,800	70,750	31,250	32,750

NOTE. Under the output capacity weight has been given to increased availability of water due to rainfall which will fall away beginning in March (see Table "E", page 6)

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Report on the availability of Electric energy in Central Italy and reduction in generating capacity due to the destruction of plants by the enemy.

(1) The retreating enemy systematically destroyed by mining the Hydro Electric Generating Units, switchgear transformers and auxiliary equipment. This effectively destroyed many of the plants and as care was taken to destroy similar parts in each plant the rehabilitation work is necessarily slowed down. Considerable damage was also done to Transmission Lines and Sub Stations, much copper conductor was taken away and about 60% of the high voltage towers were brought down by mining.

(2) Many castings, forgings and machined parts will have to be made to carry out the repairs. These are in hand and good progress is being made but lack of electric energy for the steelworks and the many Machine Shops which it is desired to operate is causing the repair programme to be delayed.

(3) Out of the sixty important hydro Electric Stations damaged by the enemy it is only possible to effect repairs to sixteen within the next six months. Of the other forty-four generating Stations thirty are totally destroyed and beyond repair and fourteen can be repaired during the next twelve months.

(4) At the present time there is available only 57,030 KW of output capacity, and this includes about 30,000 KW of steam plant in Rome which was undamaged by the enemy. The summer season output capacity in Central Italy, prior to the damage, was 862,000 KW so that with the present capacity standing at 57,030 KW there is 93% of the plant out of use due to enemy action at the present time.

(5) Briefly, therefore, the present position is as follows.

(a) Original Summer Output Capacity	862,000	KW
(b) Present Output Capacity	57,030	KW
(c) Loss due to enemy action	804,970	KW
(d) Percentage loss	93	%

(6) With regard to the rehabilitation programme everything possible is being done to obtain additional output capacity by repairs to damaged plant and by transfer of plants, and the following Tables will show the details of the present generating capacity and the additions which may be expected during the next six months.

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TABLE "B"

7. Showing the output capacity of the Generating Stations operating in connection with the Grid System in Central Italy at 26th August 1944.

Name of Station (1)	Location of Station (2)	Output Capacity at 26th Aug. 44 KW (3)
Terni (Steel)	Terni	550
Terni (old)	Terni	200
Farindola	Pescara	450
Bolognola	Macerata	700
Carassai	Ascoli P.	450
Pedaso	Ascoli P.	1,100
Altolina	Perugia	600
9 Small Stat. Steam (Viscosa)	Unes	730
Steam & Diesel	Rieti	650
Vulci	Rome	30,000
Traponzo	Rome	1,100
S.Savino	Viterbo	550
Fioritella	do	750
Nora Montoro	do	750
Vesta	Terni	7,850
Arci	Rome	2,000
Subiaco	do	1,300
Scalello	do	2,500
Comunacqua	Frosinone	2,100
Cardinale	do	2,500
Forche	Viterbo	40
	do	160
TOTAL Output Capacity		57,030

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TABLE " C "

8. Showing the output capacity of the Generating Plant connected to the Grid System which is now under repair and the anticipated date of completion.

Name of Station (1)	Location of Station (2)	Output Capacity KW (3)	Anticipated date of Completion (4)
Cervara	Terni	1,600	Aug. 31
Larderello	Pisa	3,000	Aug. 31
Tarquinia Paper Mill	Rome	200	Aug. 31
Terni Plate Mill	Terni	2,000	Aug. 31
Larderello	Pisa	3,000	Sep. 30
Cervara	Terni	1,600	do
Jutificio Terni	Terni	1,100	do
Coprano	Frosinone	9,000	Oct. 31
Cervara	Terni	1,600	do
Farfa II	Rome	4,200	Nov. 15
Cervara	Terni	1,600	Nov. 30
Ponte Fiume	Frosinone	3,200	Nov. 30
Canterno	Rome	10,000	Dec. 15
Cervara	Terni	1,600	Dec. 31
Galleto	Terni	35,000	Jan. 10
Castel Madama	Rome	4,000	Jan. 31
Mandela	Rome	4,000	do
Cervara	Terni	1,600	Jan. 31
TOTAL Output Capacity		88,300	

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TABLE " D "

9. Showing the output capacity of the generating plant which is being moved to assist in the rehabilitation programme.

Name of Station receiving plant (1)	Location of Station (2)	Output Capacity KW (3)	Anticipated date of Completion (4)
Acquoria Vescovali set from Ceprano	Rome	3,500	Dec. 15
Pettorano 2 sets from Carassai	L'Aquila	320	Jan. 10
Molina set from Guglionesi	L'Aquila	250	Jan. 10
Castellano set from Pedaso	Ascoli P.	2,250	Jan. 15
TOTAL Output Capacity		6,320	

In addition to the above programme of plant movement the following arrangements have been made.

CALORE

A 8,000 KW set now being dismantled and repaired will be packed ready for shipment to destination unknown.

MATESE II

The 3,000 KW set brought over from Sicily by A.C.C. will not now be installed. This is being packed ready for shipment to destination unknown.

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TABLE " E "

10. Showing the output Capacity at present, from repaired plants, by transfer of plants and the additional output to be expected during the winter months due to rainfall.

	Sept. KW	Oct. KW	Nov. KW	Dec. KW	Jan. KW	Feb. KW
Present output capacity	57,030	57,030	57,030	57,030	57,030	57,030
Output capacity from repaired plants	6,800	18,500	23,100	41,500	78,700	88,300
Output capacity from transfer of plants	--	--	--	3,500	6,320	6,320
Output capacity from increase in water	--	9,000	18,000	25,000	30,000	20,000
TOTAL	63,830	84,530	98,130	127,030	172,050	171,650
Est minimum outage for breakdown and Repairs 10%	6,383	8,453	9,813	12,703	17,205	17,165
Effective output capacity	57,447	76,077	88,317	114,327	154,845	154,485
SAY	58,000	76,000	88,000	114,000	155,000	154,000

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11. Electricity requirements in Central Italy for Military and essential Civilian Needs.

The total electricity available in Central Italy at the present time is 57,030 KW and this is divided between the various districts as follows.

Rome	Thermal	30,000	KW
	Hydro	8,200	KW
Terni		10,500	KW
Ancona		5,330	KW
Civitavecchia		3,000	KW
		57,030	KW

Dealing with each of these supplies separately and analysing the users of the electricity it is found that:

Rome: The situation in Rome is that the military needs are practically all being met, but that the essential civilian supply is still below requirements.
About 80% of the available energy is used for military and essential civilian services.
Many of the high Buildings depend on electrically driven pumps to lift water to the top flats. These and many small factories, essential to the life of the city, are still without Electricity. It is estimated that a minimum of 10,000 KW of additional energy is required to meet this need.
In addition to this the civilian requirements for lighting of homes and for domestic use are only supplied to the extent of 20% of actual needs and if this is to be ameliorated it is estimated that a further 20,000 KW of energy is required.

Summary for Rome

(a) Military use	30%	of	Total	11,460	KW
(b) Essential Civilian	40%	"	"	15,280	KW
(c) Tramways classed as Military and essential Civilian	10%	"	"	3,820	KW
(d) Civilian use	20%	"	"	7,640	KW
	100%			38,200	KW

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Estimated additional Requirements for ROME

(a) Military use	Nil	
(b) Essential Civilian	10,000	KW
(c) Tramways	3,000	KW
(d) Civilian use	20,000	KW
Total Estimated additional requirements for Rome	33,000	KW

(If this supply were made available the total Electricity Demand for Rome would be 71,200 KW or approx 70% of the normal requirements at this season. This would fulfil the essential requirements. However, electricity would still have to be strictly rationed)

Terni: Investigation shows 95% of the available energy allocated to this area is taken by the military and essential civilian services. The Military use is for Steelworks, Factories, Hospitals and Billets directly under their control and the essential Civilian needs consist mainly of Water, Sewage, Hospitals, Flour Mills, Bakeries small essential workshops, and limited service of Electric Trams for taking workers to and from factories.

Summary for Terni

(a) Military use	75%	of	Total	7,875 KW
(b) Essential Civilian	15%	"	"	1,575 KW
(c) Tramways classed as Military and essential Civilian	5%	"	"	525 KW
(d) Civilian use	5%	"	"	525 KW
	100%			10,500 KW

Ancona and Civitavecchia:

The Military and essential civilian use of Electricity at these places is similar to Terni and less than 5% is available for civilian use.

12. The following summary shows at a glance the division of the available electricity which is allocated by the Allied Force Local (Italian) Board, Electrical Committee, to the various districts.

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TABLE " F "

13. Showing the division of the available electricity in Central Italy. The allocation of this energy for the Military and essential civilian services is decided by the Local Resources Italian Board, Electrical Committee, which is composed of representatives of all the military agencies concerned. Strict rationing of the civilian supply is done by A.C.C. in order that Military demands may be met.

District to which the allotment is made	Military use KW	Essential Civilian KW	Civilian KW	Total for District KW
ROME	13,370 (35%)	17,190 (45%)	7,640 (20%)	38,200 (100%)
TERNI	8,090 (77%)	1,890 (18%)	520 (5%)	10,500 (100%)
ANCONA	4,270 (80%)	850 (16%)	210 (4%)	5,330 (100%)
CIVITAVECCHIA	2,400 (80%)	480 (16%)	120 (4%)	3,000 (100%)
TOTAL	28,130 (50%)	20,410 (35%)	8,490 (15%)	57,030 (100%)

Tramway Demand has been divided between Military and essential civilian.

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14. Anticipated additional Military Requirements.

The military have already asked for an additional 4,000 KW of demand as soon as this can be made available. Furthermore, they will require further supplies for additional factories and workshops which will be operated under their direction. It is estimated therefore that the military will require an additional 15,000 KW in Central Italy.

15. Anticipated Factory Requirements.

This deals only with the rehabilitation of those specific factories which will assist the war effort and which will in most instances reduce the amount of shipping to this theater of operation.

	Tonnage Produced per Month	Import Tonnage Saved per Month	Kilowatts Required
a) Terni-Nera Montoro Ammonia Works			
Ammonia is urgently needed for 1) Refrigeration 2) 30 tons per month for Solvay Soda Works at Rosignano 3) Fertilizers	180	560	8,000
b) Aniene Caustic Soda and Chlorine Works			
At each plant: 1) Rome 2) Rosignano) 400 tons caustic soda plus 350 tons chlorine	1,500	1,300	6,500
c) Solvay Soda Works - Rosignano Area			
1) San Vincenzo) 100 Tons/day Caustic Soda 2) Ponte Ginori) 100 Tons/day Soda Ash	6,000	4,200	500
d) Cisa Viscosa			
1) Rieti 2) Rome) Fabric for clothing	200	—	1,200
e) Cisa Viscosa			
Colle Statte) Carbon Bisulfide	500	500	3,000

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	Tonnage Produced per Month	Import Tonnage Saved per Month	Kilowatts Required
f) Terni Steel Works			
1) Steel	9,000	9,000	4,000
2) Bosco Terni	500	500	500
g) Folonica			
1) Cast Iron	600	600	400
h) Cement Mills			
1) Colle Ferro)	10,000	7,500	2,500
2) Spoleto)	8,000	8,000	2,000
3) Civitavecchia)	8,000	6,000	2,000
i) Paper Mills			
1) Isola di Liri)			3,000
2) Ceprano)			800
3) Tivoli)	350	350	500
4) Rome)			700
j) Mining			
Spoleto Lignite Mines	20,000	20,000	1,200
k) Flour Mills	30,000	30,000	4,000
TOTAL	94,830	88,510	40,800

16. From the above analysis of the requirements of a few of the most important factories it will be seen that nearly ninety thousand tons of material can be produced in Italy* from local resources and thus save an equivalent amount of shipping now being brought into this theater of operations.

* each month

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TABLE " G "

17. Summary of future anticipated demand for electric energy for the period 1 September 1944 to 28 February 1945.

Nature of Consumers	Kilowatt Demand	Need
Agriculture	3,600	(a) Essential civilian
Cast Iron Foundry	400	(a) Essential civilian (b) Saves shipping space
Cement Mills	6,500	(a) Military (b) Civilian rehabilitation (c) Saves shipping space
Ceramics and Glass	1,000	(a) Essential civilian
Chemicals	18,000	(a) Essential civilian (b) Saves shipping space
Clothing	200	(a) Essential civilian
Fabric	1,200	(a) Essential civilian
Flour Mills	4,000	(a) Essential civilian
Food (excluding Flour mills)	6,900	(a) Essential civilian
Hemp and Jute	650	(a) Essential civilian
Lumber	4,000	(a) Military (b) Essential civilian
Machinery Manufacturing	3,000	(a) Essential civilian
Military	15,000	(a) Workshops and factories
Mining	1,200	(a) Military (b) Essential civilian (c) Saves shipping space

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TABLE " G " (Contd.)

Nature of Consumers	Kilowatt Demand	Need
Paper Mills	5,000	(a) Essential civilian (b) Saves shipping
Printing	500	(a) Essential civilian
Public Institutions	6,000	(a) Essential civilian
Railways	15,000	(a) Military (b) Essential civilian
Rome	13,000	(a) Essential civilian
Rome	20,000	(a) Civilian
Steel Plant	4,000	(a) Military (b) Essential civilian (c) Saves shipping space
Steel Fabricators	500	(a) Military (b) Essential civilian
TOTAL	129,650	

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18. Details are given below on specific plants which would be capable of operating if electricity were available.

TERNI - NERA MONTORO AMMONIA WORKS

Plant Condition:

Good. Capable of limited output.

Product:

Ammonia and compounds. 90 Tons during September - November. 180 Tons during December - February.

Uses:

Essential civilian for

(a) Refrigeration

(b) Solvay Soda plant at Rosignano where caustic soda, soda ash and sodium bicarbonate are produced (Disposition of products of Rosignano plant given later).

(c) Fertilizer. (Four tons of fertilizer can be made from each ton of ammonium sulphate.

Necessary Raw Materials and their Sources:

(a) Coal, either imported or Sardinian.

(b) Pyrites (available in Toscany)

(c) Limestone (available locally)

ANIENE CAUSTIC SODA and CHLORINE WORKS

Rome Plant

Plant Condition:

Good.

Products:

400 Tons/month Caustic Soda, plus
350 Tons/month of chlorine.

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Uses:

Caustic Soda needed for essential civilian use for

(a) Manufacture of soap

(b) Refining of olive oil

(c) Manufacture of rayon

Chlorine and chlorine products needed for

(a) Water purification

(b) Textile bleaching

Necessary Raw Materials and their Sources:

(a) 200 Tons/Month imported sodium chloride.

(b) Limestone (available locally)

Rosignano Plant.

Plant Condition:

Partially damaged but capable of limited operation.

Products:

450 Tons/Month of Caustic Soda plus
350 Tons/Month of chlorine.

Uses:

Same as products of Rome plant

Necessary Raw Materials and their Sources:

(a) Sodium Chloride (available locally)

(b) Limestone (available locally)

SOLVAY SODA WORKS - ROSIGNANO AREA

Products:

Essential civilian

(a) Caustic Soda) 3000 Tons/Month of each
) during October and November.
(b) Soda Ash) 6000 Tons/Month during
) December-February.

Uses:

Caustic Soda is used for

(a) Soap manufacture

(b) Olive oil refining

(c) Synthetic Fibers

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Uses:

Soda Ash is used for

(a) Glass and Ceramics

(b) Textiles

(c) Paper

(d) Caustic Soda and other chemicals

Necessary Raw Materials and their Sources:

(a) Sodium chloride (available locally)

(b) Limestone (available locally)

(c) Ammonia (available locally)

(d) Coke (from inported coal)
about 1500 Tons of coal per month.

Plant Condition:

Good.

CISA VISCOSA PLANTS AT ROME AND RIETI

Condition of Plants:

Good.

Products:

Rayon (continuous)

Fiocco (staple fiber)

Total production - 200 Tons/Month
beginning 1 November.

Uses:

Essential civilian-clothing

Necessary Raw Materials and their Sources.

(a) Caustic Soda (available locally)

(b) Carbon bisulfide (from Colle Statte plant)

(c) Sulphuric acid (available locally)

(d) Cellulose (must be imported, but some
available for initial operation)
Will have to import one ton of
cellulose per ton of finished product.

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CISA VISCOSA - COLLE STATTE

Condition of Plant:

Good.

Product:

Carbon bisulfide, 500 Tons/Month, beginning 1 September.

Uses:

Essential civilian for

(a) Preservation of grain

(b) Extraction of olive oil

(c) Manufacture of synthetic fiber

Necessary Raw Materials and their Sources:

(a) Sulphur (available locally)

(b) Charcoal (available locally)

TERNI STEEL WORKS

Condition of Plant:

Good

Products:

Steel and Iron ingots, steel castings, used in turn to make: Sheets, plate, sections, forgings , locomotive tires, in accordance with the following:

Month	Weight of ingots and castings in tons
Sept.	3,500
Oct.	3,500
Nov.	5,500
Dec.	5,500
Jan.	8,700
Feb.	8,700

Uses:

Military for construction and repairs
Essential civilian for rehabilitation of heavy industries, and Electric Power Plants.

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Necessary Raw Materials and their Sources:

A large number of locally available raw materials are required. The imported materials necessary are:

(a) Coal 1900 Tons/Month

(b) Chromite 29 Tons/Month

(c) Magnesite 27 Tons/Month

(d) Chamotte 40 Tons/Month

CEMENT MILLS

Condition of Plants:

Generally good.

Uses:

Building material for military purposes, and for essential Civilian rehabilitation.

Product:

Cement in accordance with following:

Month	Weight of Cement in Tons
Sept.	12,000
Oct.	14,000
Nov.	20,000
Dec.	22,000
Jan.	24,000
Feb.	26,000

Necessary Raw Materials and their Sources:

(a) Shale (available locally)

(b) Limestone (available locally)

(c) Refractories (available locally)

(d) Coal (imported for Colle Ferro and Civitavecchia
  (1) British or American Coal 3,600 Tons/Month
  (2) Sardinian Coal 4,500 Tons/Month

(e) Coal-Lignite at Spoleto and available.

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PAPER MILLS

Condition of Plants:

Good.

Products:

350 Tons/Month Newsprint,
beginning 1 September.

Uses:

Publishing

Necessary Raw Materials and their Sources:

(a) Cellulose (produced locally at plants)

(b) Straw (available locally)

(c) Sodium chloride (available locally)

SPOLETO LIGNITE MINE

Mine Condition:

Good.

Product:

Lignite Coal at the following rate:

Month	Tons Produced
Sept.	10,000
Oct.	13,000
Nov.	16,000
Dec.	20,000
Jan.	20,000
Feb.	20,000

Uses:

Production of manufactured gas and
electricity in Rome.
Steam production in industrial plants.

Necessary Raw Materials:

None

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FLOUR MILLS

Condition of Plant:

Good.

Products:

30,000 Tons flour/Month

Uses:

Essential Civilian food

Necessary Raw Materials:

Local wheat

BOSCO TERNI

Condition of Plant:

Good.

Products:

500 Tons/Month
Fabricated steel

Uses:

Military (Bridge material)
Essential Civilian rehabilitation

Necessary Raw Materials:

Scrap steel
Acetylene
Oxygen
Coal (imported) for foundry.

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TABLE " H "

19. Showing the monthly requirements in Kilowatts for the demands listed in Table "G".

	Sept. KW	Oct. KW	Nov. KW	Dec. KW	Jan. KW	Feb. KW
Terni - Papigno Carbide Works	9,000	12,000	15,000	18,000	18,000	18,000
Terni Nera Montoro Ammonia Works	4,000	4,000	4,000	8,000	8,000	8,000
Aniene Caustic Soda and Chlorine Works (Rome & Rosignano)	6,500	6,500	6,500	6,500	6,500	6,500
Solvay Soda Works	0	250	250	500	500	500
Cisa Viscosa Works at Rome and Rieti	0	0	1,200	1,200	1,200	1,200
Cisa Viscosa Works at Colle Statte	3,000	3,000	3,000	3,000	3,000	3,000
Terni Steel Works	2,000	2,000	3,000	3,000	4,000	4,000
Terni Cast Iron Foundry	400	400	400	400	400	400
Cement Mills						
Colle Ferro	0	0	1,000	1,500	2,000	2,500
Spoleto	1,000	1,500	2,000	2,000	2,000	2,000
Civitavecchia	2,000	2,000	2,000	2,000	2,000	2,000
Bosco Terni	500	500	500	500	500	500
Paper Mills						
Isola di Liri	1,000	2,000	3,000	3,000	3,000	3,000
Ceprano	800	800	800	800	800	800
Rome	700	700	700	700	700	700
Tivoli	500	500	500	500	500	500

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TABLE " H " (Contd.)

	Sept. KW	Oct. KW	Nov. KW	Dec. KW	Jan. KW	Feb. KW
Mining	600	800	1,000	1,200	1,200	1,200
Flour Mills	4,000	4,000	4,000	4,000	4,000	4,000
Military	4,000	8,000	12,000	15,000	15,000	15,000
Rome: Essential) Civilian)	13,000	13,000	13,000	13,000	13,000	13,000
Civilian	10,000	15,000	20,000	20,000	20,000	20,000
Railways	--	--	5,000	15,000	15,000	15,000
Food, excluding flour mills	6,900	6,900	6,900	6,900	6,900	6,900
Public Institutions	6,000	6,000	6,000	6,000	6,000	6,000
Agriculture	3,600	3,600	3,600	3,600	3,600	3,600
Clothing	200	200	200	200	200	200
Printing	500	500	500	500	500	500
Hemp and Jute	650	650	650	650	650	650
Ceramics and Glass	1,000	1,000	1,000	1,000	1,000	1,000
Mechanical	3,000	3,000	3,000	3,000	3,000	3,000
Lumber	4,100	4,100	4,100	4,100	4,100	4,100
Total additional needed)	79,950	90,900	109,800	127,750	129,250	129,750
Present Load	57,000	57,000	57,000	57,000	57,000	57,000
Total Demand	136,950	147,900	166,800	184,750	186,250	186,750
Generating Capacity	58,000	76,000	88,000	114,000	155,000	154,000
DEFICIT	78,950	71,900	78,800	70,750	31,250	32,750

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

Below is given:-

(a) Extract from minutes of Electrical Reconstruction Committee Italy.

(b) Copy of letter from Minister of Public Works.

(a) Resolution.

Having given due consideration to the present electricity supply position, affecting both military and essential civilian needs, and the possibility of early rehabilitation of electrical plant and equipment damaged by war action, this Committee recommends that steps be taken for the early importation of 60,000 KW of electrical generating plants for use in this Theater of Operations. In view of the urgency of the matter it is recommended that floating Power plants, if available, should be provided.

Il Ministro
dei Lavori Pubblici

7 Aug. 1944

Nº 1099

Lt. Col. L.A. JENNY
Director, Public Works and Utilities
Sub-Commission A.C.C.

SUBJECT: Payment for Electrical Plant.

In view of the very serious shortage of electric power plants in Italy, and the need for importing such plants so as to serve military as well as highly essential civilian needs, the Ministry of Public Works has stated that, if such plants can be imported without delay, the Italian Government will assume the responsibility for:

a) The payment of rental for these plants during military Operations, as well as the cost of Operation, and

b) The ultimate acquisition of these plants after they are no longer needed by the Allied Armed Forces.

The Italian Government asks that the payment for the ultimate acquisition of such plants be arranged on a long term basis.

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THE MINISTER

Signed: Mancini

ELECTRIC PLANT CONDITION

CENTRAL ITALY

15 OCTOBER 1944

ELECTRICAL DIVISION
PUBLIC WORKS AND UTILITIES
SUB-COMMISSION
HEADQUARTERS ALLIED CONTROL COMMISSION
APO 394

F O R E W O R D

During the past two weeks, there has been a very noticeable increase of 17,220 kilowatts of generating capacity in Central Italy. This increase has mostly resulted from:

(a) The somewhat improved output of the Rome Steam Plants.

(b) Increased stream flow to the hydro plants.

(c) The starting of another unit at Cervara.

In order to facilitate the operation of the two steam plants in Rome, they have been placed under the direction of a single superintendent. One Diesel unit at the ACEA plant is in operating condition, and is used during peak load periods. The field of one 3,000 KW unit in the same plant is damaged and under repair; the starting date is not known. However work done on the other 3,000 KW unit has been finished, it is now being dried out, and is expected to be carrying load within a few days. Use of this machine will again enable the electric auxiliaries of the two plants to be supplied from a separate, and more positive source. Indications are that the plants will soon receive a greater supply of coal. In the meantime; however, the coal storage is decreasing.

The movement of several large transformers from Rome to Terni is now under way. This equipment will be used when operation is resumed at Galleto.

A previous estimate placed Coprano in operation by 15 October. There have been difficulties in meeting this schedule, and it is now believed that the two units will not be in service until the end of the month, at least. To expedite this job an officer of Public Works and Utilities Sub-Commission has been assigned to concentrate his time on the work at this plant.

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T A B L E "A"

Details of Generating Stations in Central Italy, operating, and connected to the Rome Grid as of 15 October 1944.

Station	Plant Capacity kw	Normal Output kw	Present Output kw	Reasons for not maintaining normal output
Arci.....	4,800	4,200	2,300	Low stream flow
Rome Thermal...	49,000	39,000	19,000	One 5000 KW Diesel under repair, one 10,000 KW steam turbine unavailable (excessive vibration).
Canuracqua.....	8,000	7,000	2,800	Low stream flow.
Scalelle.....	8,000	6,000	2,800	do
Subiaco.....	7,000	3,500	2,800	One set destroyed - Low stream flow.
Vesta.....	2,400	2,400	2,200	Low stream flow.
10 Little Stations R.A...	1,610	1,610	530	do
Fioritella.....	800	700	700	
S.Savino.....	800	700	700	
Traponzo.....	850	500	500	
Vulci.....	3,826	2,500	1,000	Low stream flow.
Tarquinia.....	340	300	175	Water shortage and insufficient transformer capacity.
Nera Montoro...	10,000	7,500	5,000	Low stream flow.
Bagni di Tivoli	300	300	250	do
Total generating capacity operating and connected to Rome grid as of 15 Oct.1944			40,755	

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	kw	kw	kw	output
Arci.....	4,800	4,200	2,300	Low stream flow
Rome Thermal...	49,000	39,000	19,000	One 5000 KW Diesel under repair, one 10,000 KW steam turbine unavailable (excessive vibration).
Comunacqua.....	8,000	7,000	2,800	Low stream flow.
Scalelle.....	8,000	6,000	2,800	do
Subiaco.....	7,000	3,500	2,800	One set destroyed - Low stream flow.
Vesta.....	2,400	2,400	2,200	Low stream flow.
10 Little Stations R.A...	1,610	1,610	530	do
Fioritella.....	800	700	700	
S.Savino.....	800	700	700	
Trapenze.....	850	500	500	
Vulci.....	3,826	2,500	1,000	Low stream flow.
Tarquinia.....	340	300	175	Water shortage and insufficient transformer capacity.
Nera Montoro...	10,000	7,500	5,000	Low stream flow.
Bagni di Tivoli	300	300	250	do

Total generating capacity operating and connected to Rome grid as of 15 Oct.1944 — 40,755

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T A B L E " B "

Details of generating stations in Central Italy, operating but not connected to the Rome Grid as of 15 October 1944.

Station	Plant Capacity kw	Normal Output kw	Present Output kw	Reasons for not maintaining normal output
2 Small stations R.A.....	180	180	95	Low stream flow.
Lardarello and Castelnuovo.....	126,000	100,000	6,000	Units damaged.
Altolina.....	1,105	800	550	Low stream flow.
Bolognola.....	2,750	1,375	650	do
Carascai.....	1,050	700	300	do
Poduse.....	4,500	2,250	1,000	do
15 Small plants.	2,160	2,160	1,150	do
Farindola.....	1,050	500	500	Two sets destroyed.
Terni Plate.....	1,500	1,500	1,400	Maximum output in present condition.
Terni Steel.....	2,100	500	500	One unit destroyed.
Terni Old.....	3,150	150	150	Three units destroyed.
Corvara.....	9,640	8,000	6,400	Units damaged.
Nera Montoro....	10,000	7,500	7,000	Low stream flow.
Rosignano.....	12,000	12,000	800	Damaged.
Total generating capacity operating but not connected to Rome grid as of 15 Oct.1944			26,495	

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T A B L E " C "

Comparison of Plant Capacity in kilowatts between September 30th and October 15th, 1944

Station	September 30th		October 15th		Difference	
	Rome grid KW	Non grid KW	Rome grid KW	Non grid KW	Rome grid KW	Non grid KW
Arci.....	2,000		2,300		+ 300	
Rome Thermal.....	10,000		19,000		+ 9,000	
Comunaccur.....	2,000		2,800		+ 800	
Scalelle.....	1,500		2,800		+ 1,300	
Subinco.....	2,200		2,800		+ 600	
Vesta.....	2,000		2,200		+ 200	
12 Little Stations R.A.....	530	95	530			
Fioritella.....	700		700			
S.Savino.....	700		700			
Traponzo.....	500		500			
Vulci.....	1,000		1,000			
Larderello.....		6,000		6,000		
Termi Steel.....		500		500		
Termi Old.....		150		150		
Termi Plate.....		1,500		1,400		- 100
Cervara.....		4,800		6,400		+ 1,600
Nera Montoro.....	4,000	5,000	5,000	7,000	+ 1,000	+ 2,000
Altolina.....		550		550		
Bolognola.....		650		650		
Carassai.....		450		300		- 150
Pedaso.....		800		1,000		+ 200
10 Small plants..		680		680		
Farindola.....		500		500		
Tarquinia.....	175		175			
Rossignano.....		800		800		
Bagni Tivoli.....	250		250			
5 Small plants...				470		+ 470
Net Total KW.....	27,555	22,475	40,755	26,495	+ 13,200	+ 4,020
GRAND TOTAL including Rome Grid and non Grid	50,030		67,250		+ 17,220	

TABLE "D"

Detailed Estimate of Future Electric Generating Capacity.

Station	Capacity increase kilowatts	Reason for increase
	October 31st	
Piorraco.....	1,300	Repairs
Termi Jut...	1,100	do
Aurelia.....	500	Activation
	9,000	Stream flow
Farfa II....	4,200	Repairs
	November 15th	
Coprano.....	9,000	Repairs
Aurelia.....	1,500	Mov.Transformer
Larderello..	900	Repairs
Podaso.....	3,700	Stream Flow.
	9,000	do
Cervara.....	1,600	Repairs
	November 30th	
Cervara.....	1,600	Repairs
	December 15th	
Selvena.....	2,000	Repairs
Acquoria....	3,500	Mov.Transformer Coprano
Galloto.....	35,000	Repairs
	7,000	Stream flow.
	December 31st	
	5,000	Stream flow.

Station	Capacity increase kilowatts	Reason for increase
	January 31st	
Cantorno....	10,000	Repairs
	February 15th	
	- 10,000	Stream flow decrease.
	February 28th	
Galloto.....	35,000	Repairs
Verzamartello	3,750	do
Ponte Fiume.	3,200	do
	March 15th	
Gerosa.....	4,000	Repairs
Castelnuovo.	12,000	do
	April 15th	
Galleto.....	35,000	Repairs
	- 10,000	Stream flow decrease.
	June 15th	
Castelmadama	4,000	Repairs
	July 15th	
Mandela.....	4,000	Repairs
	August 15th	
Salisano....	5,000	Repairs

	October 31st	
Piomaco.....	1,300	Repairs
Terni Jut...	1,100	do
Aurelia.....	500	Activation
	9,000	Stream flow
Farfa II....	4,200	Repairs
	November 15th	
Ceprano.....	9,000	Repairs
Aurelia.....	1,500	Mov.Transformer
Larderello..	900	Repairs
Pedaso.....	3,700	Stream Flow.
	9,000	do
Cervara.....	1,600	Repairs
	November 30th	
Cervara.....	1,600	Repairs
	December 15th	
Selvena.....	2,000	Repairs
Acquaria....	3,500	Mov.Transformer Ceprano
Galleto.....	35,000	Repairs
	7,000	Stream flow.
	December 31st	
	5,000	Stream flow.
	January 15th	
Galleto.....	35,000	Repairs
Pettorano...	320	Movement
Molina Aterno	300	Movement

	January 31st	
Cantorno....	10,000	Repairs
	February 15th	
	- 10,000	Stream flow decrease.
	February 28th	
Galleto.....	35,000	Repairs
Venamartello	3,750	do
Ponte Fiume.	3,200	do
	March 15th	
Gerosa.....	4,000	Repairs
Castelnuovo.	12,000	do
	April 15th	
Galleto.....	35,000	Repairs
	- 10,000	Stream flow decrease.
	June 15th	
Castelmadama	4,000	Repairs
	July 15th	
Mandela.....	4,000	Repairs
	August 15th	
Salisano....	5,000	Repairs

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TABLE "E"

Recapitulation of Estimated Generating Capacity in kilowatts.

Reason for increase	Oct.31 kw	Nov.15 kw	Dec.15 kw	Jan.15 kw	Feb.15 kw	Mar.15 kw
Repaired units.....	7,100	11,500	38,600	35,000	10,000	57,950
Transferred units.....	-	1,500	3,500	620	-	-
Changed stream flow...	9,000	12,700	7,000	5,000	- 10,000	-
Total estimated increase in generating capacity over 15 Oct. 1944.....	16,100	41,800	90,900	131,520	131,520	189,470
Generating capacity as of 15 October 1944....	67,250	67,250	67,250	67,250	67,250	67,250
Total estimated generating capacity...	83,350	109,050	158,150	198,770	198,770	256,720

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

T A B L E " F "

TRANSMISSION LINES CONDITION
CENTRAL ITALY
15 October 1944

Company	Operable Kilometers	Under Repair Kilometers	Damaged and Unrepaired Kilometers	TOTAL Kilometers
230 KV. Transmission Lines				
Terni Company (1)....	68	-	102	170
150 KV. Transmission Lines				
Societa' Romana di Elettricita'.....	163	13	23	199
Azienda Comunale Elettricita' Acque...	-	-	94	94
Terni Company.....	62		74	136
Total Km. 150 KV lines	225	13	191	429
120 KV. Transmission Lines				
Terni Company.....	203		7	210
Selt Valdarno.....		27	206	233
Total Km. 120 KV. lines	203	27		443
60 KV. Transmission Lines				
Societa' Romana di Elettricita'.....	411	13	329	753
Azienda Comunale Elettricita' Acqua...	138	90	80	308
U.N.E.S.....	410	95	70	575
Terni Company.....	97	-	7	104
Selt Valdarno	426	-	370	796

12590 Section 3.3/NND No. 785019

230 KV. Transmission Lines				
Terni Company (1)....	68	-	102	170
150 KV. Transmission Lines				
Societa' Romana di Elettricita'.....	163	13	23	199
Azienda Comunale Elettricita' Acque...	-	-	94	94
Terni Company.....	62		74	136
Total Km. 150 KV lines	225	13	191	429
120 KV. Transmission Lines				
Terni Company.....	203		7	210
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Total Km. 120 KV. lines	203	27		443
60 KV. Transmission Lines				
Societa' Romana di Elettricita'.....	411	13	329	753
Azienda Comunale Elettricita' Acqua...	138	90	80	308
U.N.E.S.....	410	95	70	575
Terni Company.....	97	-	7	104
Selt Valdarno	426	-	370	796
Total Km. 60 KV. lines	1,482	198	856	2,536

(1) - This line built for 230 KV. previous to war was operated at 150 KV.

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

TABLE "F" (continued)

Company	Operable Kilometers	Under Repair Kilometers	Damaged and Unrepaired Kilometers	TOTAL Kilometers
30 KV. Transmission Lines				
Societa' Romana di Elettricita'.....	331	7	-	338
Azienda Comunale Elettricita' Acque....	95	25	18	138
U.N.E.S.	697	168	226	1,091
Terni Company.....	20	-	-	20
Selt Valdarno.....	259	79	450	788
Total Km. 30 KV. lines	1,402	279	694	2,375
GRAND TOTAL KILOMETERS	3,380	517	2,056	5,953
Percentage.....	56,8%	8,7%	34,5%	

File 051

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RESTRICTED

Tel. 489081 VSR/cdg

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

ACC/158/PWU 13 October 1944

Subject : Agencies Responsible for Electric Facility Rehabilitation in Italy.

To : Sub-Commissions and Officers Shown in Distribution List.

1. Transmitted herewith for your information is a copy of Administrative Memorandum 43, dated 5 October 1944, issued by Allied Force Headquarters, Subject: Power Rehabilitation. Particular attention is invited to Paragraph (2) c. wherein the responsibilities and the functions of the Allied Control Commission are set forth. The Electrical Division of the Public Works and Utilities is now carrying out these functions.

G.E. RHODES
Lieut.Colonel, R.E.,
Acting Director.

DISTRIBUTION LIST: (2 each)

Agriculture Sub-Commission
Commerce Sub-Commission
Communications Sub-Commission
Finance Sub-Commission
Food Sub-Commission - Medical supplies
Food Sub-Commission - Property Control
Industry Sub-Commission
Labour Sub-Commission
Shipping Sub-Commission
Transportation Sub-Commission
Pub. Relations Branch
INFO Div. - Archives
Regional Commissioner:
Abruzzi-Marche Region
Emilia Region
Lazio Region
Liguria Region

Regional Engineer:
Abruzzi-Marche Region
Emilia Region
Lazio Region
Liguria Region
Lombardia Region
Piemonte Region
Sardegna Region
Sicilia Region
Southern Region
Toscana Region
Venezia Region

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

To : Sub-Commissions and Officers Shown in Distribution List.

1. Transmitted herewith for your information is a copy of Administrative Memorandum 43, dated 5 October 1944, issued by Allied Force Headquarters, Subject: Power Rehabilitation. Particular attention is invited to Paragraph (2) c. wherein the responsibilities and the functions of the Allied Control Commission are set forth. The Electrical Division of the Public Works and Utilities is now carrying out these functions.

G.E. RHODES
Lieut.Colonel, R.E.,
Acting Director.

DISTRIBUTION LIST: (2 each)

Agriculture Sub-Commission
Commerce Sub-Commission
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Food Sub-Commission - Medical supplies
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Industry Sub-Commission
Labour Sub-Commission
Shipping Sub-Commission
Transportation Sub-Commission
Pub. Relations Branch
INFO Div. - Archives
Regional Commissioner:
Abruzzi-Marche Region
Emilia Region
Lazio Region
Liguria Region
Lombardia Region
Piemonte Region
Sardegna Region
Sicilia Region
Southern Region
Toscana Region
Venezia Region

Regional Engineer:
Abruzzi-Marche Region
Emilia Region
Lazio Region
Liguria Region
Lombardia Region
Piemonte Region
Sardegna Region
Sicilia Region
Southern Region
Toscana Region
Venezia Region

copy to file C51/PWU

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

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

2 OCT Recd 051 G.S.

HEADQUARTERS
SOUTHERN REGION, ALLIED CONTROL COMMISSION
OFFICE OF THE REGIONAL COMMISSIONER
APO 394, U.S. Army

PW & U 183

R/1056

30 September 1944

SUBJECT: SILA Electricity Plants.

TO : G.O.C. 3 District.

1. I have just completed a tour which included a visit to the SILA Electricity Plants in company with Ing. CAVALLINI. He found all in order.

2. The battalion of the Sabaudia Division which is taking over the guard details will be 850 strong, which will enable the present posts to be manned (400 duty men) and leave a sufficient number of men over for administration, relief, casualties etc. The new battalion is badly in need of boots and woolen pullovers, but this Headquarters will take the matter up direct with MMIA.

3. As you know, SILA plants are liable to be snowed up for several months during the winter; the supply lines in many places pass through snowy mountains. Under these circumstances Ing. CAVALLINI strongly urges the necessity of supplying waterproof garments and good boots to his maintenance crews. He does not consider the repaired boots at the disposal of Allied Control Commission, strong enough for the job. In view of the essential service rendered by these men, is there any possibility of obtaining authority to issue them 100 new military boots and 100 military makintoshes of some sort or another ?

4. Ing. CAVALLINI confirmed that 5 military vehicles were made available by No. 2 District for maintenance on the East side and that you had already kindly supplied 4 for West side. He considers a further 5 vehicles (3 x 3 ton and 2 x 1 ton) are essential for maintenance of the lines from SILA itself. At present he has to rely on ACC truck pool vehicles from Catanzaro; during the breakdown which occurred on 27 September, 2 vehicles dispatched after dark from Catanzaro had not arrived by the next morning. The local engineer was only able to repair the line by borrowing trucks from a local unit. Is there any prospect of military vehicles being made available ?

5. Lastly, for your information Ing. CAVALLINI pointed out that there has been no inspections of insulators in 1943 and 1944 and that, now the thunderstorm period had arrived, no inspection is possible. Accordingly, he expects constant trouble during the winter. He claims that the inspections were impossible because necessary vehicles were not available.

C.E. TEMPERLEY,
Colonel,
Regional Commissioner.

cc: HQ ACC PW & U S/C ✓
Zone Commissioner, Catanzaro Zone
HQ SR ACC PW & U Sec

CET/jh/bb

HEADQUARTERS 1 OCT 1944 A. C. C.

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Tel. 489081

VBR/edg

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

AGO/051/PWU

6 October 1944

Subject : Transmittal of a report entitled "Electric Facilities Situation October 6th".

To : Captain J.M. Maloney
P.W.B. News Division.
Via Del Moretto, 13

1. Transmitted herewith are two copies of a report entitled "Electric Facilities Situation" dated 6th October 1944. This report was prepared by the Electric Division of the Public Works and Utilities Sub-Commission and contains statistic and background information as was mentioned in the conversation yesterday between yourself and Major V.B.Renton of this Division.

2. Any other information which you desire would be cheerfully furnished by this Division.

E.J. BARRY
Major, C.E.,
Acting Chief, Elec.Div.

Enclosure:
2 - copies of report.

Copy to file 158

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

VSR/cdg

ELECTRIC FACILITY SITUATION

6 October 1944

Ninety five percent of the electric generating facilities in Central Italy were intentionally destroyed by German demolition squads prior to the retreat of the enemy. The few plants which were left intact were either obsolete or in a poor state of repair.

Since the liberation of Central Italy, plans have been made and are being carried out for all possible emergency rehabilitation.

Normally the repairs in the forward areas are all done by military units, to make electricity available for hospitals, water pumping, living quarters and other military needs.

Further back of the front the electric companies and the regions and headquarters of Allied Control Commission are planning and working together to make the maximum amount of electric energy available at the earliest moment. To do this, a large amount of material, and transportation is needed, and has been furnished from military sources whenever available. The rehabilitation of the German-damaged plants would go on much faster, had not local transportation facilities been taken by the Germans during their retreat.

So far, small generating plants, totaling 18,000 kilowatts have been repaired, and placed back in service. Plans call for the eventual repair of many times this amount, but the machinery involved is large and badly damaged, and a long time is needed to make repair parts. Also, up to now, more than 1500 kilometers of high tension transmission line have been repaired.

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C

Tel. 409081

VSF/clz

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

ACC/051/PWU

3 October 1944

Subject : Transmittal of Electric Plant Condition Report, Central Italy.

To : Agencies shown in Distribution List.

1. Transmitted herewith is a copy of a report prepared by the Electrical Division of the Public Works and Utilities Sub-Commission, entitled Electric Plant Condition, 30 September 1944.

E.J. BARRY
Major C.E.,
Acting Chief, Elec.Div.

Distribution:-

CE AFHQ
CE AAI
DW AAI
Flag Officer Western Italy
CE No. 1 District
CE No. 2 District
CE No. 3 District
C.G. R.A.A.C.
Engineer P.B.S.
Electrical Officer, Region IV A.C.C.
Electrical Officer, Region V A.C.C.
Electrical Officer, Region VIII A.C.C.
Allied Force Local Resources Section R.A.A.C. CMF.

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ELECTRIC PLANT CONDITION

CENTRAL ITALY

30 SEPTEMBER 1944

ELECTRICAL DIVISION
PUBLIC WORKS AND UTILITIES
SUB-COMMISSION
HEADQUARTERS ALLIED CONTROL COMMISSION
APO 394

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

FOREWORD

The output of the Rome Steam Plants continued at a low rate during the period 15 September - 1 October. Because of poor maintenance over many years, the plants have degenerated to a point where they are incapable of operating under the demands of the present emergency. That the plants were permitted to reach this condition is explained by the fact that in normal times, most of Italy's electric power was generated in hydro-electric stations, and the thermal plants, such as in Rome, were used only on rare occasions. The results have been that there was not little incentive either to maintain the plants in good condition, or to keep a sufficiently large staff of experienced operating personnel on hand.

The specific difficulties which have been encountered within the past two weeks include boiler outages at both plants, both Diesel units out of service, and a breakdown in the coal handling equipment at the Montemartini plant. In addition, a fuel shortage existed for several days because of a temporary lack of transportation. To overcome the shortage, the Military Railway Service, and the Allied Control Commission, as represented by the Transportation Sub-Commission, the Coal Division, and the Public Works and Utilities Sub-Commission cooperated to use every means at their disposal, and at the time of this writing, the flow of fuel to the plants is constantly increasing. At one time, the assistance of No. 1 District was requested in order to make more energy available to Rome from the Terni area for a three day period. As the result of arrangements by No. 1 District, an additional block of power varying from 3,000 to 3,500 kilowatts was furnished to the Rome grid from the Nera Montoro generating station.

Additional stream flow has increased the output of the plants in the Tivoli area. At both Lauderello and Cervara, other units were started, making a total of 4,600 kilowatts of additional capacity back in service during the period.

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TABLE "A"

Details of Generating Stations in Central Italy, operating, and connected to the Rome Grid as of Sept 30 1944.

Station	Plant Capacity kw	Normal Output kw	Present Output kw	Reasons for not maintaining normal output
Arci.....	4,800	4,200	2,000	Low stream flow
Rome Thermal...	49,000	39,000	10,000	Two 5000 KW Diesel under repair, one 10,000 KW steam turbine unavailable (excessive vibration), one large boiler unavailable. Fuel oil unavailable. Lack of coal.
Canuncoqui.....	8,000	7,000	2,000	Low stream flow.
Scalelle.....	8,000	6,000	1,500	do
Subiaco.....	7,000	3,500	2,200	One not destroyed - Low stream flow.
Vesta.....	2,400	2,400	2,000	Low stream flow.
10 Little Stations R.A...	1,610	1,610	530	do
Fiaritella.....	800	700	700	
S.Savino.....	800	700	700	
Trapanno.....	850	500	500	
Vulci.....	3,826	2,500	1,000	Low stream flow.
Torquinia.....	340	300	175	Water shortage and insufficient transformer capacity.
Nera Montoro...	10,000	7,500	4,000	Poor supplies to Florence coal.
Bagni di Tivoli	300	300	250	do
Total generating capacity operating and connected to Rome grid as of 30 Sept.1944	27,555			

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T A B L E "B"

Details of generating stations in Central Italy, operating but not connected to the Rome Grid as of 30 September 1944.

Station	Plant Capacity kw	Normal Output kw	Present Output kw	Reasons for not maintaining normal output
2 Small stations R.A.....	180	180	95	Low stream flow.
Lenderallo and Castelnuove.....	126,000	100,000	6,000	Units Damaged.
Altolina.....	1,105	800	550	Low stream flow.
Bologgola.....	2,750	1,375	650	do
Comsani.....	1,050	700	450	do
Pelino.....	4,500	2,250	800	do
10 Small plants..	1,690	1,690	680	do
Farindola.....	1,050	500	500	Two sets destroyed.
Terni Plate.....	1,500	1,500	1,500	
Terni Steel.....	2,100	500	500	One unit destroyed.
Terni Old.....	3,150	150	150	Three units destroyed.
Cervara.....	9,640	8,000	4,800	Units damaged.
Nera Montero.....	10,000	7,500	5,000	Low stream flow.
Rosignano.....	12,000	12,000	800	Damaged.
Total generating capacity operating but not connected to Rome grid as of 30 Sept.			22,475	

TABLE "C"

Comparison of Plant Capacity in kilowatts between September 15th and September 30th. 1944.

Station	September 15th		September 30th		Difference	
	Rome Grid	Non grid	Rome grid	Non Grid	Rome grid	Non grid
Arci.....	1,000		2,000		+ 1,000	
Rome Thermal...	21,000		10,000		- 11,000	
Civitavecchia.....	2,000		2,000			
Sabelle.....	1,400		1,500		+ 100	
Subiaco.....	2,000		2,200		+ 200	
Vesta.....	1,800		2,000		+ 200	
12 Little Stations R.A...	530	95	530	95		
Fiorittella.....	700		700			
S.Savino.....	700		700			
Traponzo.....	500		500			
Vulci.....	1,000		1,000			
Lorderello.....		3,000		6,000		+ 3,000
Terni Steel....		500		500		
Terni Old.....		150		150		
Terni Plate....		1,500		1,500		
Cervara.....		3,200		4,800		+ 1,600
Nera Montoro...	5,000	5,000	4,000	5,000	- 1,000	
Altolim.....		550		550		
Bolognola.....		650		650		
Carnacci.....		450		450		
Podago.....		800		800		
10 small plants		630		630		
Paridola.....		500		500		
Rieti.....		900				- 900
Torquinia.....	175		175			
Rosignano.....		800		800		
Terni Pirelli						

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Sabaudia.....	1,400		1,500		+ 100
Subiaco.....	2,000		2,200		+ 200
Venta.....	1,800		2,000		+ 200
12 Little Stations R.A...	530	95	530	95	
Fioritella.....	700		700		
S.Savino.....	700		700		
Traponzo.....	500		500		
Vulci.....	1,000		1,000		
Larderello.....		3,000		6,000	+ 3,000
Turbi Steel....		500		500	
Turbi Old.....		150		150	
Turbi Plate....		1,500		1,500	
Cervara.....		3,200		4,800	+ 1,600
Nera Montoro...	5,000	5,000	4,000	5,000	- 1,000
Altolim.....		550		550	
Bolognola.....		650		650	
Carnasai.....		450		450	
Podago.....		800		800	
10 small plants		600		600	
Portanova.....		500		500	
Rieti.....		900			- 900
Tarquinia.....	175		175		
Rosignano.....		800		800	
Bagni Tivoli...			250		+ 250
Net Total KW	37,805	18,775	27,555	22,475	- 10,250 + 3,700
GRAND TOTAL including Rome Grid e non grid		56,580		50,030	- 6,550

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

T A B L E "D"

Recapitulation of estimated Generating Capacity in Kilowatts.

Reason for Increase	Oct.15 1947	Nov.15 1947	Dec.15 1947	Jan.15 1948	Feb.15 1948	Mar.15 1948
Required Units.....	13,500	5,100	51,000	36,600	8,000	59,750
Transferred units.....	-	1,500	3,500	620	-	-
Changed Stream flow	9,000	12,700	7,000	5,000	-10,000	-
Total Estimated Increase in Generating Capacity over 30 Sept.1944	22,500	41,800	104,100	146,320	144,320	204,070
Generating capacity as of 30 Sept.1944	50,030	50,030	50,030	50,030	50,030	50,030
Total estimated generating capacity	72,530	91,830	154,130	196,350	194,350	254,100

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

HEADQUARTERS
ALLIED CONTROL COMMISSION
LABOR SUB-COMMISSION
APO 394

21 SEP rec'd
05-1
cal 1939/mm

180

10 September 1944

LAB 091.46143

SUBJECT: Vertenza: Società elettrica della Calabria e Lucania dipendenti. Concessione anticipo somma salariale.

TO : Ministry of Industry, Labor and Commerce

1. This is in reply to your communication of 6 September 1944, and enclosures.

2. Approval is given for a single advance of L. 1000 to each employee pending consummation of the collecting bargaining agreement now being negotiated.

3. It is distinctly understood that this payment is an advance on account of wage increases which will be provided for by the agreement and must be deducted from the wages and salaries to which the employees will be entitled upon approval of the agreement.

4. Inasmuch as the U.S.W. agreement and the agreement for the Elettrica Society for Apulia have already been executed and approved there would seem to be no reason for any further delay in working out the agreement between this Company and its employees. Consequently it would appear that no further advances are necessary.

5. Kindly notify all interested parties and labor offices.

6. As return herewith attached letters in accordance with your request.

J.T.R. Hill
Colonel
Director, Labor Sub-Commission

Major Barnes 420

Attachments

DISTRIBUTION TO:

Regional Commissioner, Southern Region
(Att. Regional Labor Officer)
Industry Sub-Commission
Public Works Sub-Commission

14-9-44

5 Att

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

060 GC

Tel.489081

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

LWL/ac

179

ACC/051/PWU

6 Oct. 44

Subject : Hemp Products

To : HEADQUARTERS SOUTHERN REGION
(Attention Capt. Ryan)

1) - Attached self explanatory and requires prompt action.

2) - Please inform this Sub-Commission on the situation and the remidies effected.

E.J.BARRY
Major, C.E.
Acting Chief Elec. Div.

4 enclosures :
letter 4/10/44 LRS/303/14
" 9/9/44 ENG. SER. APO 782
" 9/9/44 17/19/LR
" 30/8/44 HCO/505/E

copy fr file 060

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

ALLIED FROCE LOCAL RESOURCES SECTION
R.A.A.C., C.M.F.

LRS/303/14 4 Oct. 44

Subject : HEMP PRODUCTS Tel. ROME 66275

To : HQ. ACC PUBLIC WORKS AND UTILITIES S.C.

1) - Copies of correspondence received from Engineer Service, PBS, Local Resources Section, AAI and Industry Sub-Commission are forwarded.

2) - In view of the great importance to the Allied Armed Forces of hemp products towards which monthly availabilities are insufficient to meet the Services demands, it has always been emphsised that the sup ly of power to hemp factories should be given a very high priority. Para 4 of the 6th meeting of the Allied Force Local Resources (Italian) Board, held on 24 Jan. 44 makes specific reference to this.

3) - May the necessary instructions please be issued to the Southern Region Allied Control Commission to ensure that power availability to the hemp industry be increased to the maximum extent possible.

S.J.B.Louden, Captain
for Brigadier A.F,L.R.S. 418

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

HMR/fq

AG 411.73 BPENG (9 Sep. 44) 1st Ind.
ENGINEER SERVICE, PENINSULAR BASE SECTION, APO 782, 21 Sep. 44

to : CHIEF ADIMINSTRATIVE OFFICER AAI (AE) APO 400
(Attention : Local Resources Section)

1) - Reduction of power available to some hemp industrial installations was under direction of the ACC Southern Region Office and was for the purpose of relieving the overloaded Pomiglian distribution network.

2) - It is suggested that the possibility of restoring the original power to these installations at the expense of an equivalent reduction in some less essential industry be discussed by you with the Regional Commissioner, Southern Regio, Allied Control Commission.

For the Commanding Officer :

L.F.NICKEL
Lt. Col., A.G.D.
Adjutant General

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

LOCAL RESOURCES SECTION
HQ AAI (AE)
APO 400

In reply refer to : 17/19/LR 9 Sep. 44

Subject : Electric Power Hemp Factories Naples and Sarno Areas

To : COMMANDING GENERAL, P.B.S., APO 782, US Army
(Attention Engineer Section)

1) - Reference ACC Industry S.C. letter HCO/505/E of 30 August 44 same subject, copy attached.

2) - Armed Forces requirements for hemp products remain urgent and therefore your consideration of paragraph 6 reference letter is requested.

(SGD) JOHN C.RAMSDEN
Major, Infantry Asst G- 4
Local Resources Section

1 enclosure

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

Tel. 478176

HEADQUARTERS
ALLIED CONTROL COMMISSION
INDUSTRY SUB-COMMISSION
HEMP OFFICE
APO 394

JS/MPP

Ref. HCO/505/E

30 August 1944

To : HQ AAI Local Resources Section
Subject : Eletric Power Hemp Factories Naples and Sarno Areas

1) - It will be observed that availability for hemp has been reduced this month.

2) - This is partly due to a reduction in the power supply to the factories which has recently occured.

3) - The following specific examples are given where reduction of power had led to a definite effect on production :

Factory	Type of Manufacture	Where situated	R e m a r k s
Carlo Rossi	Weaver	Frattamaggiore	Power outt off completely since the 23rd inst.
Linificio and Canapificio Nazionale	Spinners	"	This factory had been 50% out of action for five weeks owing to burning out of motors due to severe fall in voltage
Canapificio Partanopeo	Spinners	"	Power reduced to the hours from 1300 to 2000.

4) - The reduction of power in the case of the Canapificio Partenopeo has led to a gradual desertion on the part of workmen who prefer to remain in the fields where they can get a full days work. Furthermore it it observed that the lack of electric bulbs for illumination renders it impossible to utilize the last hour allowed and the shortening of dalight as the season advances will increa the difficulty.

5) - It is submitted that in the Sarno area the Hemp Control has managed to reduce consumption by 200 to 300 KW by getting Diesel machinery working again and this should relieve the Sarno position provided Hemp factories get the benefit of some of the power saved.

6) - It is requested that P.B.S. may be asked to ensure that at least power availability be restored to that in force two or three months ago.

/S/
Lt.Comdr.
Hemp Control Office

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

Cite 178

LWL/ac

Tel. 489081

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

ACC/051/PWU

4 Oct. 44

Subject : RAILWAY SERVICES- ELECTRIC - NAPLES AREA

To : TRANSPORTATION S.C., A.C.C.

1) - Reference your letter 2 Otc. 44 - file ACC Tn/88/69.

2) - At the meeting of the Electric Power Committee of A.F.L.R. (Italian) Board held on 28 Sep. 44 it was recommended to the Allied Force Local Resources Section that the power allottment increases be granted to the :

Circumvesuviana Railway, and the Cumana Railway.

3) - Increased service to the Alitana Railway was not recommended.

4) - As soon as the recommendation had been officially acted upon by the A.F.L.R.B. the two railroads granted increases will be notified.

E.J.BARRY
Major, C.E.
Acting Chief Elec. Div.

414

cc : Headquarters Southern Region (Attn Capt. Ryan)

1 enclosure : letter 2/10/44 ACC/Tn/88/69

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

4 Oct Recd 051 Cab.

177

ACP/Td

HEADQUARTERS
ALLIED CONTROL COMMISSION
Transportation Sub-Commission
AFO 394

Tele : 476701 2 October 1944

ACC Tn/88/69

TO : P.W. & U. Sub-Commission, HQ. ACC.
(attention: Lt.Col.W.M.Lapper)

SUBJECT : Railway Services-Electric Naples Area

Reference to our letters ACC Tn/88/57 of 23 August 1944, ACC Tn/88/66 of 15 September 1944, it would be appreciated if a reply could be received by return.

for D.S. ADAMS
Colonel, C.E.,
Director, Tn.S/C.

Major Barry.

? Now urgent.

Letters in file 051 pertaining to above.
174
172
171
157
170
57 in 060

SHAEF

4/10.

413

Folio 2 from set letters!

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

1 OCT Recd

051 Cers

PW 44 R176

ENGINEERING DIVISION.
HEADQUARTERS
A. M. G.
ABRUZZI_MARCHE REGION
C. M. F.

R5/5I6/2. 30 Sept; I944.

Subject : Electricity Situation. Weekly Reports, Unes Company.

TO : HQ, ACC, PW and U. Sub_Commission.

I. Reference your ACC/051/PWU of 29 Sept. I944.

2. Weekly reports as requested will be submitted and steps are being taken immediately to secure the required information.

HEADQUARTERS
1 - OCT. 1944
A. C. C.

FOR THE REGIONAL COMMISSIONER :

J.E. FODEN
Major,

PUBLIC WORKS and
UTILITIES OFFICER
for REGIONAL ENGINEER.

412

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

Tel. 489081

V3IV/cdg

175

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

AGV/051/P&U 29 Sept. 1944.

Subject : Weekly Reports, UNES Company.

To : Regional Engineer, Region V.

1. At the present time, neither the Rome office of the Unione Esercizi Elettrici (UNES), nor this Headquarters has current information concerning the operations of the UNES system, located mostly in Region V. This condition has arisen because of lack of communication facilities between the provincial offices of the UNES Company, and their headquarters in Rome.

2. It is believed that the best means of communication at the present time is by letter between your office and this headquarters, and unless you know of a better means of transmitting this information, it is requested that arrangements be made whereby each UNES provincial office furnishes you three copies of a report each week showing the information listed below. It is intended that your office retain one copy, and that two be sent to this headquarters as soon as possible, where one will be used and the other passed on to UNES headquarters. Considerations here suggest it would be better for the report to be written in Italian.

3. The weekly report from each province should contain the following information:

a) Status of repair and rehabilitation of both generating and transmission facilities.

b) The weekly output in kilowatt-hours of each generating station, and the maximum demand on the station.

c) The weekly energy distribution in kilowatt-hours from each substation together with the maximum peak at each substation.

d) A list of all interruptions to generating stations and to transmission facilities of 30 KV and above.

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Given to Captain ... Demand to deliver by hand to Reg. Eng. Reg. V. 29 Sept. R.

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

e) Any plans for further rehabilitation.

An example of the type report wanted is attached herewith.

E.J. BARRY
Major, C.E.,
Acting Chief, Mec.Div.

Enclosure:
1 - type report.

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

(Example of Weekly Report Desired From Each Province, UNES Company)

NOTE - It is preferable for this report to be submitted in Italian.

ELECTRICITY SITUATION
UNES COMPANY
ASCOLI PROVINCE
24-30 September 1944

A. - REHABILITATION - GENERATING STATIONS

Name	Nature of work done during week	Number of men working	Estimated Completion Date
Gerosa	Repair of 4,000 kw turbine - replaced turbine casing - installed new generator windings.	30	15 March, 1945

REHABILITATION - TRANSMISSION LINES

Ponte Raglio-Fedaso 60 KV Line	Repaired 10 Km. of line.	20	15 October, 1944
Gerosa-Ponte Meglio 60 KV Line	Work stopped because of lack of insulators.		

B. - GENERATING STATION WEEKLY OUTPUT

Name	Weekly output in kilowatt-hours	Maximum Demand during Week in kilowatts
Farindola	70,000	500

C. - ENERGY DISTRIBUTION FROM SUBSTATIONS

Name	Kilowatt-hours Distributed each week	Maximum Demand during week	Villages Supplied
Castellano	10,000	100	Acquaviva S.Paolo Piano Annunciata

...

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

D. - SERVICE INTERRUPTIONS

Date	Lenght of Interruption	Cause	Effect
26 September	2 hours	Broken insulator Bologna-Ponte Maglio 30 KV transmission line.	Prevented output of Bologna plant from reaching Ponte Maglio.
27 September	3 hours	Governor Mechanism Broke, No. 1 Turbine Bologna Plant	Reduced output of Bologna by 300 kw.

E. - PLANS FOR FUTURE REHABILITATION

(Brief description of work to be done together with estimated completion date.).

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

1

24 SEP Recd 051 CCB

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HEADQUARTERS
SOUTHERN REGION ALLIED CONTROL COMMISSION
APO 394 U.S. ARMY.

23 September 1944.

SUBJECT: Railway Services - Electric.

060

TO : Headquarters, Allied Control Commission
Public Works & Utilities Sub-Commission
(Att. Lt. Col. W.M. Lapper).

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1. Reference is made to your letter of 18 Sept. 44 on the above subject.

2. This ofiice has recommended an increase in the October power allotment into Naples area to provide more power for electric railway service.

3. If and when this increase in allotment is approved we will be in a position to provide more power for the electric railway services in the Naples area.

R.A. RYAN
Capt. Spec. Res.
South Italy.
Electrical Engineer.

RAR/rb

Encl.

Major Lapper.

26 Sept 44

copy made for use at next meeting of electric Committee of Local Resources Board (Italian) 25/9. Lt Col Lead 28 Sept 44 407

GEN.

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

19 SEP Recd 051 Calb.

Pwu 40.

2046

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ALLIED FORCE LOCAL RESOURCES SECTION
R.A.A.C.
CMF

LRS/218D/2

18 September 44

SUBJECT : Electricity Consumption Report. Telephone : ROME 66275

TO : HQ ACC Public Works and Utilities Sub-Commission.

Reference ACC/051/PWU dated 15 Sept.44.

1. Receipt is acknowledged of the statistical report on Electricity Consumption, Southern Italy, 15 July to 31 August 1944.

2. This HQ also holds a copy of your report on Electricity Consumption, Central Italy from July to August 1944 and it is requested that a statistical report, similar to the one we mentioned in para 1, may be supplied for Central Italy as soon as it is available.

GPW/rgf

G.F.WHELDON, Capt.
for Brigadier.
A.F.L.R.S.

406

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

Tel.489081

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

LWL/lc 172

ACC/051/PWU

18 Sep. 44

Subject : Railways Services - Electric

To : HEADQUARTERS SOUTHERN REGION
Attention Capt. Ryan

1) - Please refer to our letter 26 August 44 file ACC/051/PWU.

2) - The Transportation Sub-Commissione A.C.C. is extremely anxious that the application for increased power be considered by the Committe at this time.

3) - Please let us know.

W.M. LAPPER
Lieut.Col.
Chief, Elec. Div.

1 enclosure :
letter 15 Sep. 44/in/88/66 TPTN&C

405

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

16 SEP Recd 05 OAB

EWD/edm

171

HEADQUARTERS
ALLIED CONTROL COMMISSION
Transportation Sub-Commission
APO 394

15 September 44

Tele. 488701
ACC Tn/88/bb

SUBJECT : Railways Services - Electric.
TO : P.W. and Utilities Sub-Commission.
HQ.ACC (Attention of Lt.Col WW Lapper)

120

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1. Reference to your letter ACC/051/PWU dated 28 July 44 and our ACC/Tn/88/57 dated 23 August 44.

2. As the Military authorities are pressing for increased rail facilities for workers, please give this application further consideration.

Lt Col Lapper

for E.W. Dean
Capt

D.S. ADAMS
Colonel. C.E.
Director, Tptn. S.C.

17 Sept

060 Fdc
No 15-3
157
120

404

T.E. 4-9031 VSR/cdc

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

ACC/051/PWU 15 Sept. 1944

Subject : Transmittal of Electricity Consumption Report, Southern Italy.

To : Agencies shown in Distribution list.

1. Transmitted herewith is a copy of a statistical report entitled "Electricity Consumption Southern Italy, 15 July to 31 August 1944".

W. M. Lapper

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

Distribution:

CE. A F H Q
CE. A.A.I.
DW. A.A.I.
DE. M R S
CE. Dist. I
CE. Dist. II
CE. Dist. III
CE. P.B.S.
Elect. Officer ACC (Southern Italy)
Flag Officer, Western Italy
C.G. R.A.A.C.
Secretary A.F.L.R. (Italian) Board.

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

ELECTRICITY CONSUMPTION

SOUTHERN ITALY

15 JULY TO 31 AUGUST 1944

ELECTRICAL DIVISION
PUBLIC WORKS AND UTILITIES
SUB-COMMISSION
HEADQUARTERS ALLIED CONTROL COMMISSION
APO 394

F O R E W O R D

Contained herein are data relating to electricity production and consumption in Southern Italy during July and August 1944. This information supplements that which is shown graphically in the folders entitled "Electricity Consumption, Southern Italy, June-July-August 1944". Information concerning consumption in September has been included when available.

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- APULIA, Consumption and Demand . . . . . " 5
- POMIGLIANO, Consumption and Demand . . . . . " 6
- CALABRIA, Average daily consumption . . . . . " 7
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SOCIETA' MERIDIONALE ELETTRICITA'

SYSTEM DATA

Generation and Demand

Maximum permitted daily Net Generation: July - 1,960,000 kw-hr
August 1,970,000 kw-hr
September 2,220,000 kw-hr

Maximum permitted System Peak: 123,000 kw-hr.

Date	Daily Hydro Generation kw-hr	Daily Total Generation kw-hr	Maximum System Demand kw
July, 1944.			
15	2,044,400	2,109,400	120,000
16	1,584,700	1,607,600	96,000
17	1,950,600	2,015,400	11[illegible]
18	2,076,200	2,147,900	12[illegible]
19	2,100,700	2,176,800	12[illegible]
20	2,079,500	2,152,100	121,[illegible]
21	2,070,000	2,133,500	121,000
22	2,043,800	2,093,900	117,[illegible]
23	1,685,200	1,685,200	91,000
24	1,978,100	2,050,500	124,000
25	2,067,800	2,115,500	126,000
26	2,018,500	2,101,300	120,000
27	2,080,300	2,133,100	118,000
28	2,056,900	2,108,300	117,000
29	2,092,500	2,144,900	123,000
30	1,691,700	1,691,700	94,000
31	1,968,800	2,025,600	119,000
August, 1944.			
1	2,048,200	2,102,800	120,000
2	2,003,500	2,069,900	124,000
3	2,027,300	2,079,000	115,000
4	2,000,500	2,096,000	117,000
5	1,970,300	2,066,800	122,000
6	1,697,400	1,668,400	94,000
7	1,983,900	2,006,600	118,000
8	1,993,900	2,070,000	127,000
9	2,027,000	2,103,700	121,000
10	1,908,200	2,014,200	116,100
11	1,914,400	2,020,700	117,000
12	1,922,400	2,074,500	119,000
13	1,455,200	1,638,300	102,000
14	1,910,200	2,010,900	120,000
15	1,755,100	1,768,900	102,000

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July, 1944

15	2,044,400	2,102,400	120,000
16	1,584,700	1,607,600	86,300
17	1,959,600	2,015,400	114,700
18	2,076,200	2,147,900	119,200
19	2,108,700	2,176,800	125,300
20	2,079,500	2,132,100	121,300
21	2,070,000	2,133,500	121,000
22	2,043,900	2,093,900	117,...
23	1,635,200	1,635,200	91,000
24	1,978,100	2,030,500	124,000
25	2,067,800	2,115,500	120,000
26	2,016,500	2,101,300	120,000
27	2,060,300	2,132,100	118,000
28	2,056,900	2,100,300	117,000
29	2,092,500	2,144,900	123,000
30	1,691,700	1,691,700	94,000
31	1,968,800	2,025,600	119,000

August

1	2,0[illegible],200	2,102,800	120,000
2	2,003,500	2,060,900	124,000
3	2,027,300	2,079,000	115,000
4	2,000,500	2,096,000	117,000
5	1,970,500	2,066,800	122,000
6	1,657,400	1,666,400	94,000
7	1,923,900	2,006,600	118,000
8	1,993,900	2,070,000	127,500
9	2,027,800	2,103,700	121,000
10	1,900,200	2,011,200	116,100
11	1,944,400	2,020,700	117,500
12	1,922,400	2,074,500	119,000
13	1,455,200	1,638,300	102,000
14	1,910,200	2,010,900	125,000
15	1,755,100	1,758,900	102,000

400

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

SOCIETA' MERIDIONALE ELETTRICITA'

SYSTEM DATA

Reservoir Storage

Date	Silr Reservoir Storage kw-hr	Total Reservoir Storage (Intake plus Silr) kw-hr
July, 1944		
15	266,105,400	273,139,200
16	264,317,700	271,265,700
17	263,500,000	270,372,400
18	262,416,200	269,197,000
19	261,277,500	268,012,400
20	260,158,900	266,884,900
21	259,163,100	265,827,500
22	257,939,200	264,502,200
23	256,716,700	263,194,900
24	255,559,500	261,953,200
25	254,117,400	260,511,100
26	253,058,100	259,367,300
27	251,929,500	258,195,600
28	250,917,100	256,740,100
29	249,412,200	255,508,100
30	248,312,700	254,322,500
31	247,277,100	253,206,800
August, 1944		
1	246,011,500	251,821,700
2	244,801,900	250,571,300
3	243,473,100	249,162,500
4	241,985,100	247,558,500
5	241,002,500	246,554,700
6	239,405,500	244,942,400
7	238,319,800	243,842,500
8	237,320,600	242,806,600
9	236,062,400	241,541,900
10	234,824,300	240,328,500
11	233,298,300	238,957,200
12	232,399,500	237,965,000
13	231,047,700	236,474,700
14	230,437,500	235,826,400
15	229,227,100	234,580,200
16	228,289,300	233,580,200
17	227,078,800	232,295,800
18	225,924,400	231,241,400

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

July, 1944

15	266,105,400	275,152,200
16	264,317,700	271,365,700
17	263,508,000	270,572,400
18	262,418,200	269,197,000
19	261,277,500	268,012,400
20	260,150,300	266,884,900
21	259,169,100	265,827,500
22	257,939,900	264,502,200
23	256,716,700	263,194,900
24	255,559,500	261,953,200
25	254,117,400	260,511,100
26	253,058,100	259,367,300
27	251,929,500	258,195,600
28	250,517,100	256,740,100
29	249,412,200	255,508,100
30	248,312,700	254,322,500
31	247,277,100	253,206,800

August, 1944

1	246,011,500	251,821,700
2	244,801,900	250,571,300
3	243,473,100	249,162,500
4	241,985,100	247,558,500
5	241,002,500	246,554,700
6	239,405,500	244,942,400
7	238,319,800	243,842,300
8	237,320,600	242,806,600
9	236,062,400	241,541,900
10	234,824,300	240,328,500
11	232,298,300	238,957,200
12	232,328,500	237,963,800
13	231,047,700	236,474,700
14	230,457,500	235,828,400
15	229,227,100	234,580,200
16	228,289,300	233,580,200
17	227,078,800	232,295,800
18	225,924,400	231,241,400
19	224,800,700	230,117,700
20	223,457,300	228,769,800

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

SOCIETA' IDRIDICHE ELETTRICHE'

SYSTEM DATA

Generation and Demand

Maximum permitted daily Net Generation: July - 1,960,000 kw-hr
August 1,970,000 kw-hr
September 2,220,000 kw-hr

Maximum permitted System Peak: 123,000 kw-hr.

Date	Daily Hydro Generation kw-hr	Total Generation kw-hr	Maximum System Demand kw
July, 1944			
15	2,044,400	2,109,400	120,000
16	1,584,700	1,607,300	96,000
17	1,956,600	2,015,400	116,000
18	2,076,200	2,147,900	123,000
19	2,108,700	2,176,800	123,000
20	2,079,500	2,132,100	121,000
21	2,079,000	2,153,500	121,000
22	2,043,300	2,093,900	117,000
23	1,685,200	1,685,200	91,000
24	1,978,100	2,050,500	124,000
25	2,067,800	2,115,500	120,000
26	2,018,500	2,101,300	120,000
27	2,060,300	2,133,100	119,000
28	2,056,900	2,100,300	117,000
29	2,092,500	2,144,900	123,000
30	1,691,700	1,691,700	94,000
31	1,968,800	2,025,600	119,000
August			
1	2,048,200	2,102,800	120,000
2	2,003,500	2,069,900	124,000
3	2,027,300	2,079,000	115,000
4	2,000,500	2,096,000	117,000
5	1,970,300	2,066,800	122,000
6	1,637,400	1,668,400	94,000
7	1,923,900	2,006,600	118,000
8	1,993,900	2,070,000	127,000
9	2,027,800	2,103,700	121,000
10	1,908,200	2,014,200	116,000
11	1,941,400	2,020,700	117,000
12	1,982,400	2,074,500	119,000

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

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

July 3, 1944

Date	Metro Generation Income	Federal Generation Income	Equitable Depreciation Income
15	2,044,400	2,109,400	120,000
16	1,584,700	1,607,600	96,000
17	1,352,500	2,015,400	114,000
18	1,637,400	2,147,900	122,000
19	1,923,900	2,176,500	124,000
20	1,993,900	2,122,400	120,000
21	2,027,600	2,153,500	127,500
22	1,908,200	2,092,900	121,000
23	1,914,400	1,635,200	116,100
24	1,922,400	2,079,500	117,500
25	1,955,200	2,020,700	119,000
26	1,910,200	1,638,900	102,000
27	1,725,100	1,758,900	102,000
28	2,044,200	2,102,500	120,000
29	2,005,500	2,069,500	120,000
30	2,027,300	2,079,000	115,000
31	2,000,500	2,096,000	117,000
1	1,970,300	2,066,300	120,000
2	1,637,400	1,668,400	96,000
3	1,923,900	2,006,600	118,000
4	1,993,900	2,070,000	127,500
5	2,027,600	2,103,700	121,000
6	1,908,200	2,011,200	116,100
7	1,914,400	2,020,700	117,500
8	1,922,400	2,074,500	119,000
9	1,955,200	1,638,900	102,000
10	1,910,200	2,010,900	120,000
11	1,725,100	1,758,900	102,000
12	2,044,200	2,102,500	120,000
13	2,005,500	2,069,500	120,000
14	2,027,300	2,079,000	115,000
15	2,000,500	2,096,000	117,000

(continued)

Date	Daily Hydro Generation kw-hr	Daily Total Generation kw-hr	Maximum System Demand kw
August			
16	1,955,400	2,035,000	111,000
17	2,022,700	2,092,600	124,000
18	2,142,400	2,215,500	126,650
19	2,051,500	2,118,800	121,000
20	1,632,900	1,714,500	94,000
21	1,991,300	2,060,880	129,000
22	2,057,000	2,153,030	121,000
23	2,068 700	2,145,500	131,000
24	1,967,000	2,102,020	120,650
25	1,875,000	1,973,850	122,000
26	1,983,700	2,113,150	134,000
27	1,666,100	1,666,100	90,000
28	1,860,500	1,978,180	117,000
29	1,987,200	2,112,820	124,500
30	1,988,500	2,115,800	122,000
31	2,095.700	2,202,510	124,800
September			
1	2,045,200	2,155,460	127,000
2	2,008,600	2,158,400	127,000
3	1,595,800	1,669,400	93,400
4	1,938,600	2,034,550	128,200
5	2,014,300	2,104,500	125,100
6	2,047,700	2,167,840	126,000
7	2,057,100	2,215,460	130,000
8	1,971,200	2,066,980	119,000

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

17	2,022,700	2,095,500	126,650
18	2,147,400	2,215,500	126,650
19	2,051,500	2,118,800	121,000
20	1,632,900	1,714,500	94,000
21	1,991,300	2,060,880	129,000
22	2,057,000	2,133,050	121,000
23	2,068 700	2,145,500	131,000
24	1,967,000	2,102,020	120,650
25	1,875,000	1,973,850	122,000
26	1,985,700	2,113,150	124,000
27	1,666,100	1,666,100	90,000
28	1,860,500	1,978,180	117,000
29	1,987,200	2,112,820	124,500
30	1,988,500	2,115,800	122,000
31	2,095,700	2,202,310	124,800
September			
1	2,045,200	2,155,460	127,000
2	2,008,600	2,158,400	127,000
3	1,595,800	1,669,400	93,400
4	1,938,600	2,034,550	128,200
5	2,014,500	2,104,500	123,100
6	2,047,700	2,167,840	128,000
7	2,057,100	2,215,460	123,000
8	1,971,200	2,066,980	119,000

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SOCIETA' MERIDIONALE ELETTRICITA'

SYSTEM DATA

Reservoir Storage

Date	Silz Reservoir Storage kw-hr	Total Reservoir Storage (Matese plus Silz) kw-hr
July, 1944		
15	266,105,400	273,139,200
16	264,317,700	271,265,700
17	265,500,000	270,772,400
18	262,418,200	269,197,000
19	261,277,500	268,012,400
20	260,150,900	266,884,900
21	259,165,100	265,827,500
22	257,938,900	264,502,200
23	256,716,700	263,194,900
24	255,559,500	261,953,200
25	254,117,400	260,511,100
26	253,058,100	259,367,300
27	251,929,500	258,195,600
28	250,517,100	256,740,100
29	249,412,200	255,508,100
30	248,312,700	254,322,500
31	247,277,100	253,206,800
August, 1944		
1	246,011,500	251,821,700
2	244,801,900	250,571,300
3	243,473,100	249,162,500
4	241,985,100	247,556,500
5	241,002,500	246,554,700
6	239,405,500	244,942,400
7	238,319,800	243,842,300
8	237,320,600	242,806,600
9	236,062,400	241,541,900
10	234,824,300	240,328,500
11	232,296,300	238,937,200
12	232,399,300	237,965,000
13	231,047,700	236,474,700
14	230,437,500	235,828,400
15	229,227,100	234,580,200
16	228,289,300	233,580,200
17	227,078,800	232,295,800
18	225,924,400	231,241,400
		230,117,700

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July, 1944.		
15	266,105,400	275,150,200
16	264,317,700	271,265,700
17	265,500,000	270,572,400
18	262,418,200	269,197,000
19	261,277,500	268,012,400
20	260,150,900	266,884,900
21	259,160,100	265,827,500
22	257,959,900	264,502,200
23	256,716,700	263,194,900
24	255,559,500	261,953,200
25	254,117,400	260,511,100
26	253,058,100	259,367,300
27	251,929,500	258,195,600
28	250,517,100	256,740,100
29	249,412,200	255,508,100
30	248,312,700	254,322,500
31	247,277,100	253,206,800
August, 1944.		
1	246,011,500	251,821,700
2	244,801,900	250,571,300
3	243,473,100	249,162,500
4	241,985,100	247,558,500
5	241,002,500	246,554,700
6	239,405,500	244,942,400
7	238,319,800	243,842,500
8	237,329,600	242,806,600
9	236,068,400	241,541,900
10	234,824,500	240,328,500
11	232,298,300	238,957,200
12	232,398,300	237,865,000
13	231,047,700	236,474,700
14	230,457,500	235,828,400
15	229,227,100	234,580,200
16	228,289,300	233,580,200
17	227,078,800	232,495,800
18	225,924,400	231,241,400
19	224,800,700	230,147,700
20	223,457,300	228,769,800

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(continued)

Date	Sila Reservoir Storage kw-hr	Total Reservoir Storage (Matese plus Sila) kw-hr
August, 1944		
21	222,722,800	227,991,100
22	221,591,100	226,792,500
23	220,514,700	225,646,800
24	219,218,100	224,317,080
25	217,790,600	222,817,000
26	216,685,200	221,659,000
27	215,150,800	219,958,100
28	213,996,000	218,760,400
29	212,846,100	217,544,700
30	211,415,500	216,040,800
31	210,277,500	214,792,100
September, 1944		
1	208,842,000	213,245,900
2	207,491,700	211,821,800
3	205,568,600	209,824,400
4	204,681,500	208,681,500
5	202,841,000	207,023,000
6	201,142,600	205,250,300
7	199,002,200	203,929,900
8	198,404,550	202,315,950

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A P U L I A

The figures below include the consumption and demands of Benevento, Calore, the Benevento-Foggia railway plus a supply to the ILVES system. For these combined, the maximum monthly consumption was July: 993,500 kw-hr, August: 841,900 kw-hr, September: 713,200 kw-hr. The maximum permitted demand for July and August was 43,000 kw and for September 45,600 kw.

Controlling Authority: No 2 District (Apulia)
No 3 District (Benevento and Calore)
Director General, Military Railway Service (Benevento-Foggia Railway)

Date	Consumption kw-hr	Maximum demand kw	Date	Consumption kw-hr	Maximum demand kw
July, 1944			August, 1944		
15	720,000	40,800	14	720,000	42,600
16	498,000	31,200	15	606,000	34,800
17	690,000	40,800	16	666,000	38,400
18	714,000	40,800	17	732,000	42,000
19	720,000	42,600	18	732,000	43,200
20	726,000	43,200	19	714,000	39,600
21	720,000	42,000	20	552,000	30,000
22	700,000	36,000	21	696,000	41,400
23	564,000	30,000	22	738,000	43,200
24	684,000	39,200	23	744,000	42,000
25	714,000	43,200	24	720,000	41,400
26	738,000	40,800	25	648,000	38,400
27	738,000	42,000	26	618,000	36,000
28	732,000	40,800	27	504,000	28,000
29	744,000	40,800	28	684,000	44,200
30	576,000	31,200	29	738,000	44,400
31	720,000	42,000	30	732,000	44,400
			31	738,000	43,200
August, 1944			September, 1944		
1	696,000	38,400			
2	726,000	43,200	1	744,000	45,600
3	720,000	40,800	2	738,000	42,000
4	780,000	37,800	3	522,000	29,400
5	672,000	39,600	4	690,000	41,400
6	498,000	28,800	5	762,000	43,200
7	648,000	37,200			
8	738,000	42,000			
9	738,000	42,600			
10	726,000	42,000			

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Date	Consumption kw-hr	Maximum demand kw	Date	Consumption kw-hr	Maximum demand kw
July, 1944			August, 1944		
15	720,000	40,800	14	720,000	42,600
16	498,000	31,200	15	606,000	34,800
17	690,000	40,800	16	666,000	38,400
18	714,000	40,800	17	732,000	42,000
19	720,000	42,600	18	732,000	43,200
20	726,000	43,200	19	714,000	39,600
21	720,000	42,000	20	552,000	30,000
22	700,000	36,000	21	696,000	41,400
23	564,000	30,000	22	738,000	43,200
24	684,000	39,200	23	744,000	42,000
25	714,000	43,200	24	720,000	41,400
26	738,000	40,800	25	648,000	38,400
27	738,000	42,000	26	618,000	36,000
28	732,000	40,800	27	504,000	28,000
29	744,000	40,800	28	684,000	44,200
30	576,000	31,200	29	738,000	44,400
31	720,000	42,000	30	732,000	44,400
			31	738,000	43,200
August, 1944			September, 1944		
1	696,000	38,400	1	744,000	45,600
2	726,000	43,200	2	738,000	42,000
3	720,000	40,800	3	522,000	29,400
4	780,000	37,800	4	690,000	41,400
5	672,000	39,600	5	762,000	43,200
6	498,000	28,800			
7	648,000	37,200			
8	738,000	42,000			
9	738,000	42,600			
10	726,000	42,000			
11	720,000	41,000			
12	720,000	39,600			
13	534,000	29,400			

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P O N I G L I A N O

Maximum permitted daily consumption: July and August 64,500 kw-hr.
September 66,000 kw-hr.

Maximum permitted demand: 3,000 KW.

Controlling Authority: No 3 District.

Consumption and Demand

Date	Consumption kw-hr	Maximum Demand kw	Date	Consumption kw-hr	Maximum Demand kw
July, 1944			August, 1944		
15	58,200	3,000	15	54,000	2,700
16	40,800	2,000	16	64,200	3,000
17	56,800	3,000	17	64,200	3,000
18	57,000	3,000	18	68,400	3,000
19	60,600	3,000	19	64,200	3,200
20	63,600	3,000	20	56,400	3,000
21	62,400	3,000	21	72,600	3,400
22	57,000	3,000	22	67,800	3,500
23	45,600	2,100	23	72,600	3,400
24	61,200	3,000	24	67,200	3,600
25	60,600	3,000	25	81,600	3,400
26	62,400	3,000	26	73,800	3,800
27	64,800	3,000	27	55,000	2,900
28	62,400	3,000	28	69,600	3,800
29	64,800	3,000	29	72,600	3,400
30	55,800	2,700	30	66,600	3,800
31	63,600	3,000	31	87,600	3,500
August, 1944			September, 1944		
1	63,600	3,000	1	74,400	3,400
2	64,200	3,000	2	44,400	3,100
3	62,000	3,000	3	43,800	3,200
4	67,800	3,000			
5	72,600	3,000			
6	54,000	2,750			
7	59,400	3,000			
8	60,600	3,000			
9	70,800	3,000			
10	56,400	3,000			

15	58,200	3,000	15	54,000	2,700
16	40,800	2,000	16	64,200	3,000
17	56,800	3,000	17	64,200	3,000
18	57,000	3,000	18	68,400	3,000
19	60,600	3,000	19	64,200	3,200
20	63,600	3,000	20	55,400	3,000
21	62,400	3,000	21	72,600	3,400
22	57,000	3,000	22	67,800	3,500
23	45,600	2,100	23	72,600	3,400
24	61,200	3,000	24	67,200	3,600
25	60,600	3,000	25	81,600	3,400
26	62,400	3,000	26	73,800	3,800
27	64,800	3,000	27	63,000	2,900
28	62,400	3,000	28	69,600	3,800
29	64,800	3,000	29	72,600	3,400
30	55,800	2,700	30	66,600	3,800
31	63,600	3,000	31	87,600	3,500

August, 1944

1	63,600	3,000
2	64,200	3,000
3	62,000	3,000
4	67,800	3,000
5	72,600	3,000
6	54,000	2,750
7	59,400	3,000
8	60,600	3,000
9	70,800	3,000
10	56,400	3,000
11	55,200	3,200
12	59,400	3,000
13	50,400	2,500
14	67,200	3,100

September, 1944

1	74,400	3,400
2	44,400	3,100
3	43,800	3,200

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C A L A B R I A

(Without Rosario Substation)

Maximum permitted daily consumption: July 64,300 kw-hr
August 80,600 kw-hr
September 126,600 kw-hr

Maximum permitted demand: July and August 9,000 kw.
September 11,000 kw.

Controlling Authority: A.C.C.

Date	Average daily consumption kw-hr
July, 1944	
10 - 16	49,827
17 - 23	48,221
24 - 30	47,943
August, 1944	
1 - 6	49,311
7 - 13	58,439
14 - 20	52,940
21 - 27	57,510

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Classification, Authority: N.C.S.

Date	Average daily construction in man-hr
July, 1944	
10 - 16	49,827
17 - 23	48,221
24 - 30	47,943
August, 1944	
1 - 6	49,311
7 - 13	58,439
14 - 20	52,940
21 - 27	57,510

L U C A N I A

Maximum permitted daily consumption: 48,400 kw-hr.
Maximum permitted demand: 5,000 KW.
Controlling Authority: No 2 District.

Date	Average Daily Consumption, kw-hr	Maximum Weekly Demand, kw
July, 1944		
10 - 16	41,620	3,650
17 - 23	43,765	3,800
24 - 30	44,834	3,900
August, 1944		
1 - 6	47,125	3,800
7 - 13	46,693	3,800
14 - 20	45,329	4,100
21 - 27	48,576	4,200

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July, 1944		
10 - 16	41,620	3,650
17 - 23	43,765	3,800
24 - 30	44,834	3,900
August, 1944		
1 - 6	47,125	3,800
7 - 13	46,693	3,800
14 - 20	45,329	4,100
21 - 27	48,576	4,200

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N A P L E S

Maximum permitted daily consumption: July and August 451,600 kw-hr.
September 517,000 kw-hr.

Maximum permitted demand: 28,000 KW.

Controlling Authority: P.B.S.

Date	Consumption kw-hr	Maximum Demand kw	Date	Consumption kw-hr	Maximum Demand kw
July, 1944			August, 1944		
15	476,421	27,300	17	484,563	27,000
16	423,222	24,300	18	491,984	26,850
17	455,411	27,400	19	479,818	28,700
18	451,157	28,600	20	387,416	22,700
19	469,577	28,500	21	446,310	26,800
20	473,067	27,900	22	462,240	26,200
21	476,039	28,600	23	457,660	26,200
22	473,929	28,300	24	470,178	26,600
23	386,371	21,500	25	482,857	27,100
24	452,036	27,600	26	462,791	28,400
25	478,901	26,500	27	388,431	21,000
26	488,297	27,700	28	455,602	25,800
27	511,846	26,800	29	461,705	25,800
28	452,481	26,700	30	465,935	27,300
29	462,682	27,050	31	476,351	26,800
31	467,312	27,750			
			September, 1944		
August, 1944			1	481,329	27,300
1	479,633	27,200	2	496,192	27,200
2	470,258	26,700	3	434,762	24,300
3	504,954	27,900			
4	522,073	28,100			
5	478,732	29,150			
6	404,696	21,400			
7	463,263	27,200			
8	479,031	27,300			
9	466,156	27,000			
10	452,555	26,600			
11	442,383	26,900			
12	503,079	26,500			
13	417,519	23,000			
14	476,514	27,700			

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July, 1944

15	476,421	27,300
16	423,222	24,500
17	455,411	27,400
18	451,137	28,600
19	469,577	28,500
20	473,067	27,900
21	476,039	28,600
22	473,929	28,300
23	386,371	21,500
24	452,036	27,600
25	478,901	26,500
26	488,297	27,700
27	511,846	26,800
28	452,481	26,700
29	462,682	27,050
31	467,312	27,750

August, 1944

1	479,633	27,200
2	470,258	26,700
3	504,954	27,900
4	522,073	28,100
5	478,732	29,150
6	404,696	21,400
7	463,263	27,200
8	479,031	27,300
9	466,156	27,000
10	452,555	26,600
11	442,383	26,900
12	503,079	26,500
13	417,519	23,000
14	476,514	27,700
15	411,773	20,300
16	475,979	26,700

August, 1944

17	484,563	27,000
18	491,984	26,850
19	479,818	28,700
20	387,416	22,700
21	446,310	26,800
22	462,240	26,200
23	457,660	26,200
24	470,178	26,600
25	482,857	27,100
26	462,791	28,400
27	388,431	21,000
28	455,602	26,800
29	461,705	25,800
30	465,935	27,300
31	476,351	26,800

September, 1944

1	481,329	27,300
2	496,192	27,200
3	434,762	24,300

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SALERNO - CASTELLAMMARE - TORRE

Maximum permitted daily consumption: July and August 277,600 kw-hr
September 313,300 kw-hr

Maximum permitted demand: July and August 16,000 KW
September 17,000 KW

Controlling Authority: No 3 District.

Consumption and Demand

Date	Consumption kw-hr	Maximum Demand kw	Date	Consumption kw-hr	Maximum Demand kw
July, 1944			August, 1944		
15	271,200	14,050	12	261,760	13,870
16	178,880	9,440	13	201,320	11,840
17	259,360	12,650	14	273,760	13,510
18	273,600	13,970	15	221,600	11,150
19	278,880	14,000	16	276,320	14,580
20	282,320	14,450	17	264,320	14,860
21	284,120	13,900	18	281,440	14,850
22	261,760	13,300	19	246,400	14,740
23	219,040	12,030	20	232,000	12,560
24	256,640	13,840	21	249,760	14,550
25	276,320	14,270	22	281,440	15,100
26	279,000	13,900	23	272,000	15,690
27	279,760	13,850	24	303,520	16,190
28	281,440	14,220	25	274,560	14,790
29	266,880	13,770	26	269,440	14,920
30	213,920	11,050	27	262,880	12,540
31	281,680	14,390	28	279,520	15,630
			29	281,120	15,080
August, 1944			30	300,640	17,920
1	256,640	14,290	31	282,120	16,760
2	265,920	13,910			
3	273,760	13,870	September, 1944		
4	268,640	14,010	1	308,320	16,590
5	254,080	13,640	2	271,680	17,870
6	220,640	10,530	3	213,760	13,190
7	201,840	13,430			

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Date	Consumption kw-hr	Maximum Demand kw	Date	Consumption kw-hr	Maximum Demand kw
July, 1944			August, 1944		
15	271,200	14,050	12	261,760	13,870
16	178,880	9,440	13	201,320	11,840
17	259,360	12,650	14	273,760	13,510
18	273,600	13,970	15	221,600	11,150
19	278,880	14,000	16	276,320	14,580
20	282,320	14,450	17	264,320	14,860
21	284,120	13,900	18	281,440	14,850
22	261,760	13,300	19	246,400	14,740
23	219,040	12,030	20	232,000	12,560
24	256,640	13,340	21	249,760	14,550
25	276,320	14,270	22	281,440	15,100
26	279,000	13,900	23	272,000	15,090
27	279,760	13,850	24	303,520	16,190
28	281,440	14,220	25	274,560	14,790
29	266,880	13,770	26	269,440	14,920
30	213,920	11,050	27	262,880	12,540
31	281,680	14,390	28	279,520	15,630
August, 1944			29	281,120	15,080
1	256,640	14,290	30	300,640	17,920
2	265,920	13,910	31	282,120	16,760
3	273,760	13,870	September, 1944		
4	268,640	14,010	1	308,320	16,590
5	254,080	13,640	2	271,680	17,870
6	220,640	10,530	3	213,760	13,190
7	201,840	13,430			
8	266,080	13,370			
9	268,480	14,230			
10	256,640	13,150			
11	278,880	13,550			

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S A N T A M A R I A

Maximum permitted daily consumption: July and August 48,400 kw-hr
September 50,000 kw-hr

Maximum permitted demand: 4,000 KW.

Controlling Authority: P.B.S.

Consumption and Demand

Date	Consumption kw-hr	Maximum Demand kw	Date	Consumption kw-hr	Maximum Demand kw
July, 1944			August, 1944		
15	37,775	3,250	16	45,000	3,600
16	31,000	3,000	17	39,875	3,200
17	37,500	3,250	18	46,100	3,800
18	36,775	3,000	19	46,550	3,200
19	40,225	3,000	20	40,150	3,500
20	41,575	3,000	21	46,400	3,600
21	42,750	3,200	22	46,750	3,600
22	45,150	3,100	23	42,427	4,050
23	34,275	2,700	24	51,225	3,900
24	40,150	3,200	25	52,850	3,700
25	40,375	3,400	26	50,000	3,800
26	42,600	3,200	27	44,450	3,600
27	44,425	3,600	28	45,375	3,900
28	39,900	3,300	29	45,575	3,600
29	44,900	3,200	30	44,900	3,600
30	33,100	3,000	31	46,175	3,600
31	33,100	3,000			
			September, 1944		
August, 1944			1	45,800	3,500
1	42,200	3,500	2	47,600	3,600
2	44,350	3,650	3	34,300	3,000
3	44,400	3,500			
4	43,525	3,350			
5	46,100	3,300			
6	38,400	3,200			
7	44,925	4,000			
8	45,575	3,400			
9	40,050	3,400			
10	36,050	3,000			
11	40,550	3,400			
12	40,775	3,100			
13	39,100	3,200			
14	41,550	3,200			
15	38,850	3,300			

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

July, 1944

15	37,775	3,250
16	51,000	3,000
17	37,500	3,250
18	30,775	3,000
19	40,225	3,000
20	41,575	3,000
21	42,750	3,200
22	45,150	3,100
23	34,275	2,700
24	40,150	3,200
25	40,375	3,400
26	42,600	3,200
27	44,425	3,000
28	39,900	3,300
29	44,900	3,200
30	33,100	3,000
31	33,100	3,000

August, 1944

1	42,200	3,500
2	44,350	3,650
3	44,400	3,500
4	43,525	3,350
5	46,100	3,500
6	38,400	3,200
7	44,925	4,000
8	45,575	3,400
9	46,050	3,400
10	36,050	3,000
11	40,550	3,400
12	40,775	3,100
13	39,100	3,200
14	41,550	3,200
15	38,850	2,600

August, 1944

16	45,000	3,600
17	39,675	3,200
18	46,100	3,800
19	46,550	3,200
20	40,150	3,500
21	46,400	3,600
22	46,750	3,600
23	42,427	4,050
24	51,225	3,900
25	52,850	3,700
26	50,000	3,800
27	44,450	3,600
28	45,375	3,900
29	45,575	3,600
30	44,900	3,600
31	46,175	3,600

September, 1944

1	45,800	3,500
2	47,600	3,600
3	54,300	3,000

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

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

11 SEP Recd 0515 ccs.

169

TELEGRAM

ROME-BARI 7200 56.8.11

REFERRING TO YOUR TELEPHONE CALL WE CONFIRM YOU THAT TRANSFORMER TESTA TINARO OF LUCERA WILL BE INSTALLED TO DAY SEPTEMBER 8th TRANSFORMER WAS TEMPORARELY REMOVED TO SUBSTITUTE THE DAMAGED TRANSFORMER TO SUPPLY THE CITY FACTORY TINARO WAS STOPPED AND MAD ANOTHER TRANSFORMER CABIN FOR ITS ALIMENTATION

ELETPUGLIA

Lt Col Rapper

/lmc

Ltr 166 B refers

394

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

Tel. 489081

VSH/odg

168 E

R

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

AC3/051/PWU

9 Sept. 1944

Subject : Interconnection of Electric Generating Stations in Campobasso.

To : Electrical Engineer, Southern Region.

1. Reference is made to your letter dated 28 August 1944, Subject: Plants in Campobasso District, transmitting a letter from the Societa' Meridionale di Elettricita' dealing with the same subject. This letter requested approval of the plan to interconnect 14 small electric generating stations.

2. Approval is given for this project. Transportation is the greatest needed item in order that this work may be realized, and the Electrical Division is now working on this problem. It is hoped that some vehicles will be located in the near future.

W. M. LAFFER
Lieut. Colonel
Chief, Util. and Agr. Div.

393

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

31 AUG Recd
051 dbw

169 D

HEADQUARTERS
REGION 3, ALLIED CONTROL COMMISSION
APO 394 U.S. ARMY

28 August 1944.

SUBJECT: Plants in Campobasso District.

TO : Headquarters, Allied Control Commission
Public Works & Utilities Sub-Commission
(Att. Lt. Col. Lapper).

1. I am enclosing herewith a report prepared by Eng. Masturzo covering power generation in the Campobasso District.

R.A. RYAN
Capt. Spec. Res.
South Italy
Electrical Engineer.

RAR/rb

Encl. 2

392

Lt Col Lapper

Chief Bovis
Rome R.

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

SOCIETÀ MERIDIONALE DI ELETTRICITÀ
PER AZIONI
SEDE IN NAPOLI
CAPITALE L. 1.125.000.000 - VERSATO L. 1.012.500.000

C. P. C. N. 21917

N. 75543 TM/adl
da citare nella risposta

Napoli, (105) 26 agosto 1944
VIA P. E. IMBRIANI, 42

Telegrammi: TUSCIANO-NAPOLI

168c

HEADQUARTERS
ALLIED CONTROL COMMISSION
PUBLIC WORKS AND UTILITIES
APO 394

Impianti nella provincia di Campobasso

Nella provincia di Campobasso la Società Elettrica della Campania è ora alimentata da 14 piccoli impianti idroelettrici (vedi dis. allegato), in parte di proprietà della stessa Società Campania ed in parte di proprietà di privati.

I detti 14 impianti, dopo le riparazioni fatte nei mesi scorsi, possono produrre circa 20.900,000 kWh/anno dei quali 11.900.000 sono impiegati per utenze locali, 7.300.000 per esportazione in altre provincie, e 2.000.000 per perdite.

La suddetta esportazione richiederebbe:

- la interconnessione di tutti gli impianti sulla rete a 20 kV della Soc. Elettrica della Campania
- la installazione temporanea di una sottostazione a 20/60 kV in Campobasso (quella che esisteva fu distrutta dalle mine).
- la trasmissione della energia disponibile a 60 kV a Benevento (attraverso la linea SME riparata)

Le richieste essenziali per i suddetti lavori sono :

rete a 20 kV - 380 pali in legno e mezzi di trasporto. Poichè i pali in legno sono stati già comprati in provincia di Nola, sono richiesti soltanto i mezzi di trasporto necessari (3 autocarri da 3 tonn. per circa 1 mese). I lavori dovrebbero cominciare nella prima quindicina di settembre dato che le linee hanno un percorso montagnoso.

Sottostazione di Campobasso - Materiali isolanti (disponibili nelle prossime settimane), cemento (50 tonn.), calce (60 tonn.), legname (40 mc.), un autocarro (per 3 ÷ 5 mesi).

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Mod. 7 (10.000) Tipi A. Trani - 11-42

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

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

168B 2)

Richiamiamo la Vostra attenzione sul fatto che i suddetti 7.300.000 kWh sono per la massima parte energia invernale disponibile fuori degli intervalli di punta. Poichè fin'ora noi siamo stati in difficoltà per kW e non per kWh, noi avevamo considerato questo lavoro come avente una bassa priorità. Tuttavia se la Montecatini di Crotone dovrà essere alimentata noi avremo anche bisogno di kWh fuori degli intervalli di punta.

Vi preghiamo di considerare la nuova situazione ed autorizzare il lavoro.

Con molti ringraziamenti.

Translation

Plants in the Campobasso District

In the Campobasso District the Campania Co. is now supplied by 14 small hydro-plants (see annexed graph), partly belonging to the same Co. and partly of private owners.

The 14 plants, after the repairs made in the last months, could give about 20.900.000 kWh/year of which 11.900.000 for local customers, 7.300.000 for exportation in other districts, and 2.000.000 for losses.

The above exportation would require:

-the interconnection of all the plants on the 20 KV grid of Campania Co.

-the installation of a temporary sub. 20/60 KV in Campobasso (the existing one was destroyed by mines).

-the transmission of the available energy at 60 KV in Benevento (through the repaired S.M.E.line).

The essential requirements for the above works are:

20 kV grid - 380 wooden poles and transportation means. As the wooden poles have been already bought in Nola District, only transportation means are required (three 3 Tons lorries for about 1 month).
Works should begin in the first fortnight of September as the lines have mountainous routes.

o/o
399

Mod. 8 (15.000) Tipi A. Trani - 8-41

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

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

168 A 2)

Campobasso Sub. - Insulating materials (available in the next weeks), cement (50 Tons), lime (60 Ton), wood (40 m^3), 1 lorry (for 3-5 months)).

We point out that the above 7.300.000 KWh will be mostly winter energy out of peak load time. As, until now, we have been in difficulty for KW and not for KWh we considered this work as having a low priority. But if the Montecatini of Crotone will be supplied we shall need also KWh out of peak load time.

We beg you to consider the new situation and authorize the work.

We thank you and remain truly yours.

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

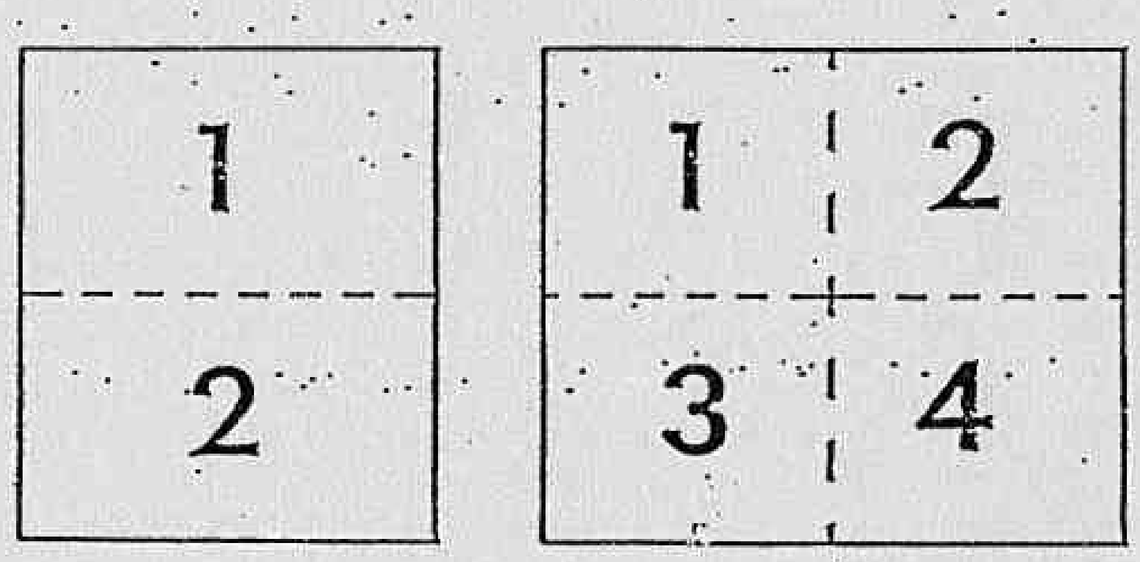
389

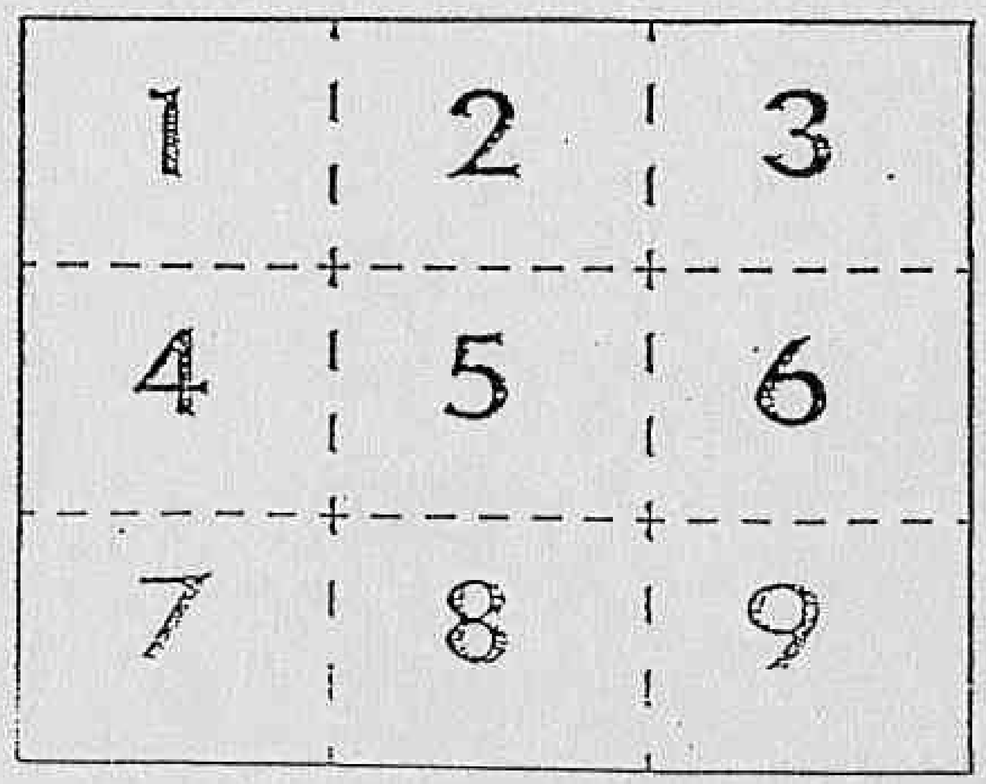
Mod. 8 (15.000) Tipi A. Treni - 3-41

Section 3.3/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

1405

388

S.E.D.A.C.

ZONA DI CAMPOBASSO

SCHEMA CENTRALI - CABINE - LINEE

SCALA 1:100'000

◎ Centrali proprietà Società

◒ „ di terzi tenute in fitto

◒ „ di terzi gestite dai proprietari

○ Cabine in muratura di proprietà Società

◉ „ da palo

⊖ „ muratura e apparecchiatura Società

◒ „ di terzi tenute in fitto

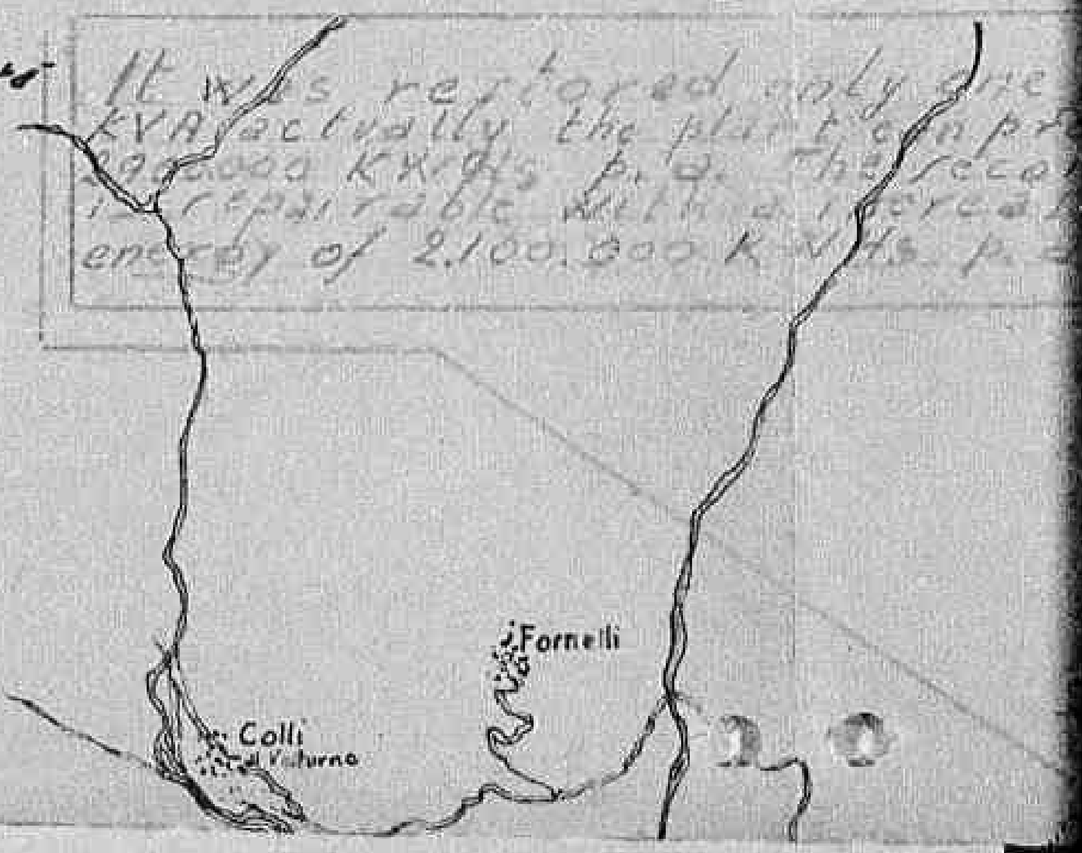
● „ dei sub-distributori

——— Linee di proprietà

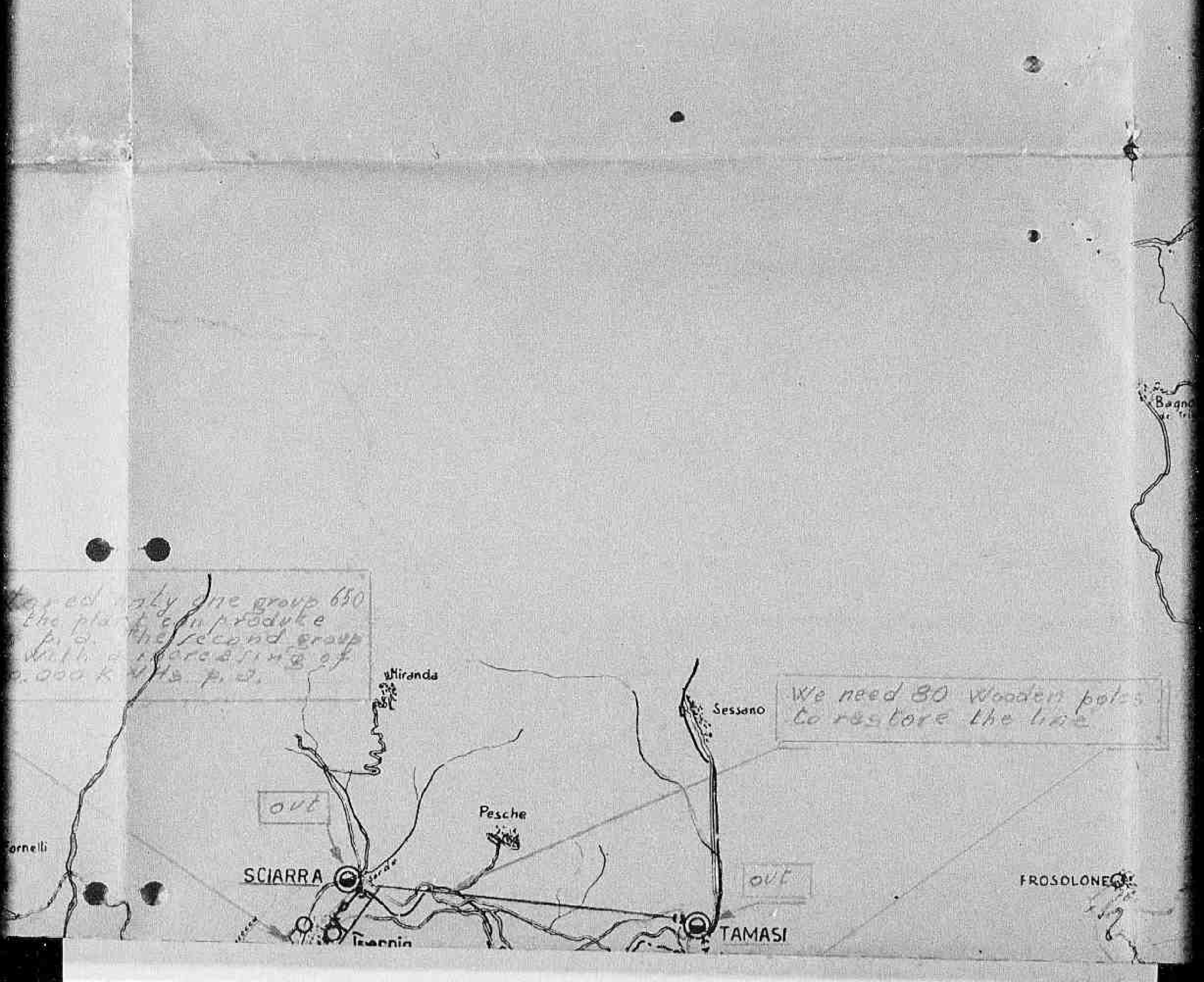
– – – – – „ di terzi in gestione

– – – – – „ „ „ o sub-distributori

——— „ 30 KV



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



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

Castelmauro

operating
KVHS p.

Civitacampomaro

Castelbottaccio

operating 2,600,000
KVHS p. 2.

Lucito

S. Biase

PRECETTORESSA

F. Biferno

Petrella
Tifernina

Trigno

T. Rivo

Salcito

Bagnoli
del Trigno

T. Vella

S. Angelo
Limosano

Pietracupa

Limosano

COVATTA

Fossalto

operating 2,600,000
KVHS p. 2.

DE ANGELIS

out

Montagano

BIFERNO

operating 2,600,000
KVHS p. 2.

wooden pole
the line

Torella

Molise

Castropignano

out

Ripalimosani

Matric

S. Pietro in Valle
Pietro in Valle

ISCHIA

S Stefano

FROSOLONE

Roccaspromonte

GUACCI

out

out

BIVARO

Oratino

Ripalimosani
Scalo

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

Castelmauro

operating 3,600,000 KWHS

Civitacampomarano

LARINO

operating only one trans. 1,800,000 KWHS

VALLECUPA

Lupara

Castelbottaccio

DE COSMO

CASACALENDA

S.A.I.C.

Provvidenti

Morrone del Sannio

BONEFRO

Castellino del Biferno

Petrella Tifernina

Ripabottoni

We need 100 Wood poles to replace the line

Cappelone o Castellino Nuovo

Campolieto

S.Elia a Planisi

Matrice

Monacilioni

Carlantino

Macchia Valf

S. Giovanni

Ripalimosani Scalo

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

TUESDAY 8th AUGUST 1944

SUMMARY

We need a total number of 380 wooden poles.
The poles are at our disposal in many stores of Nola area.
It is necessary to transport these poles from Nola area to Campobasso area and to transport them along the lines.
We need also three trucks (3 tons. each) for one month.

materials removed for the other two restoring

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

SCALA 1:100'000

- Centrali proprietà Società
- " di terzi tenute in fitto
- " di terzi gestite dai proprietari
- Cabine in muratura di proprietà Società
- " del palo
- " muratura e apparecchiatura Società
- " di terzi tenute in fitto
- " dei sub-distributori
- Linee di proprietà
- " di terzi in gestione
- " " " o sub-distributori
- " 30 KV
- " 20 "
- " 11 "
- " 9 "
- " 3 "

It was restored only one KVA actually the plant can produce 2.200.000 KWhs p.a. the reco repairable with a increa energy of 2.100.000 K Wh/s p.

We need to weaken poles to restore the line

Fornelli

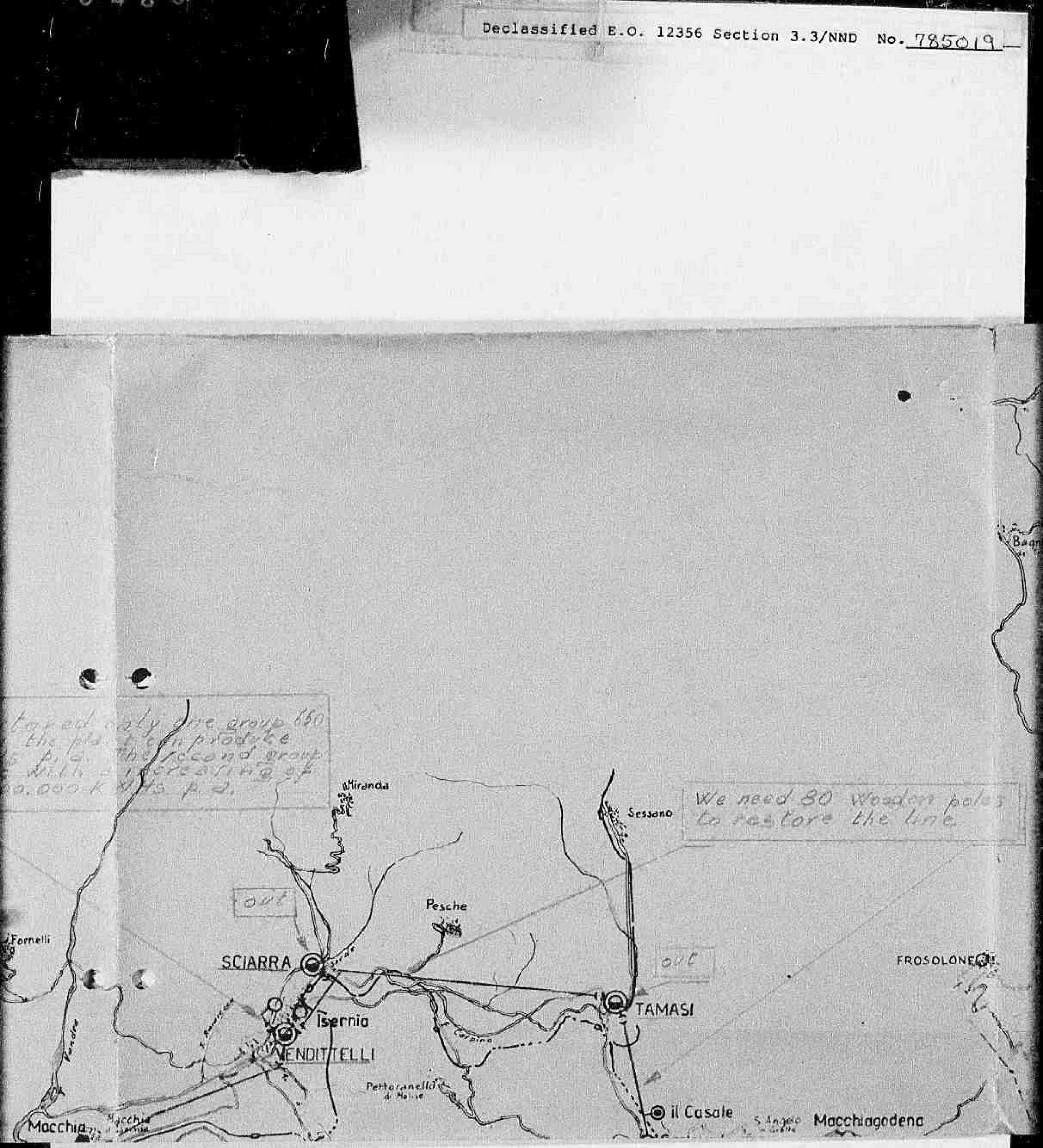
Colli di Velturno

Montaquila

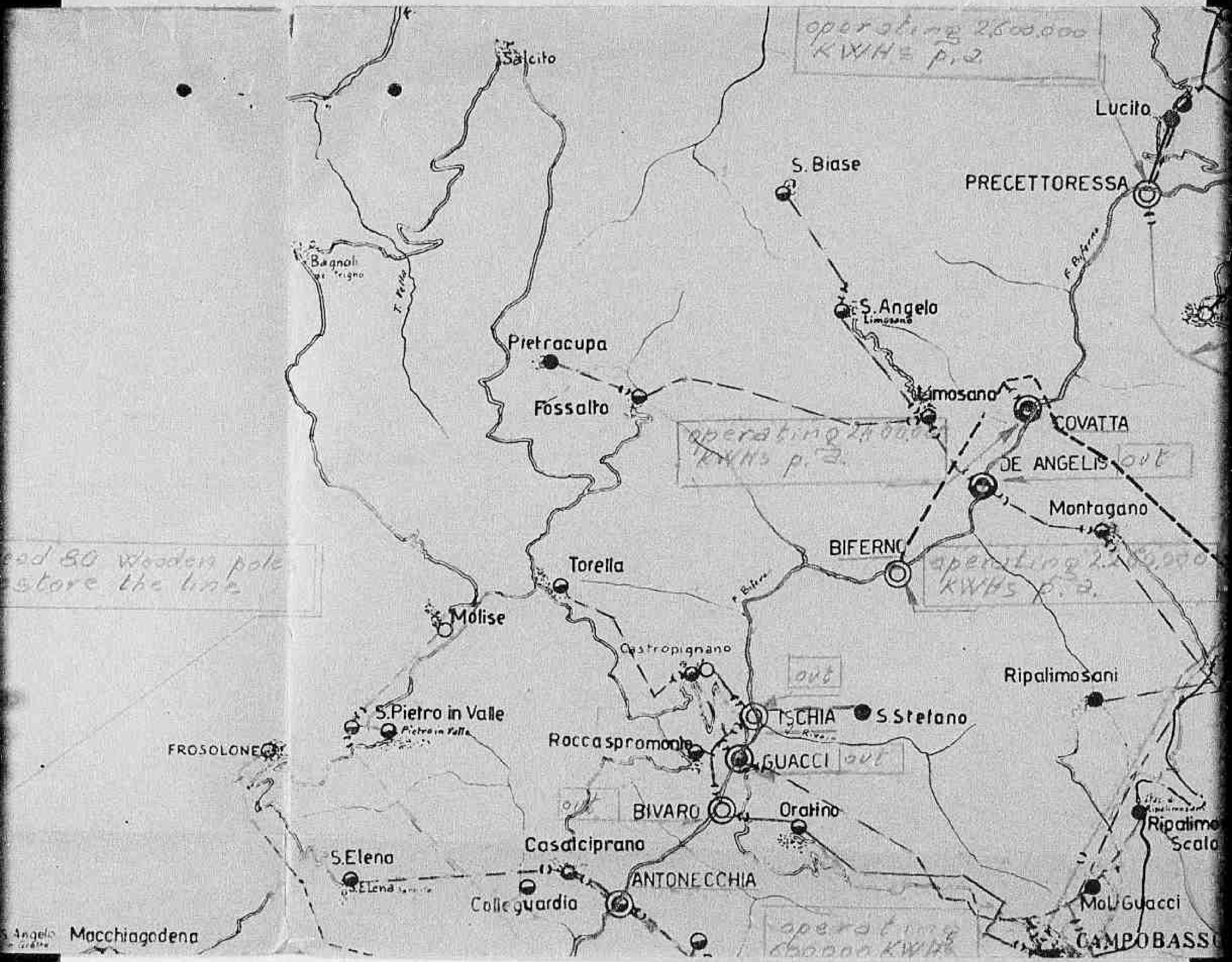
Macchia

Macchia d'Isernia

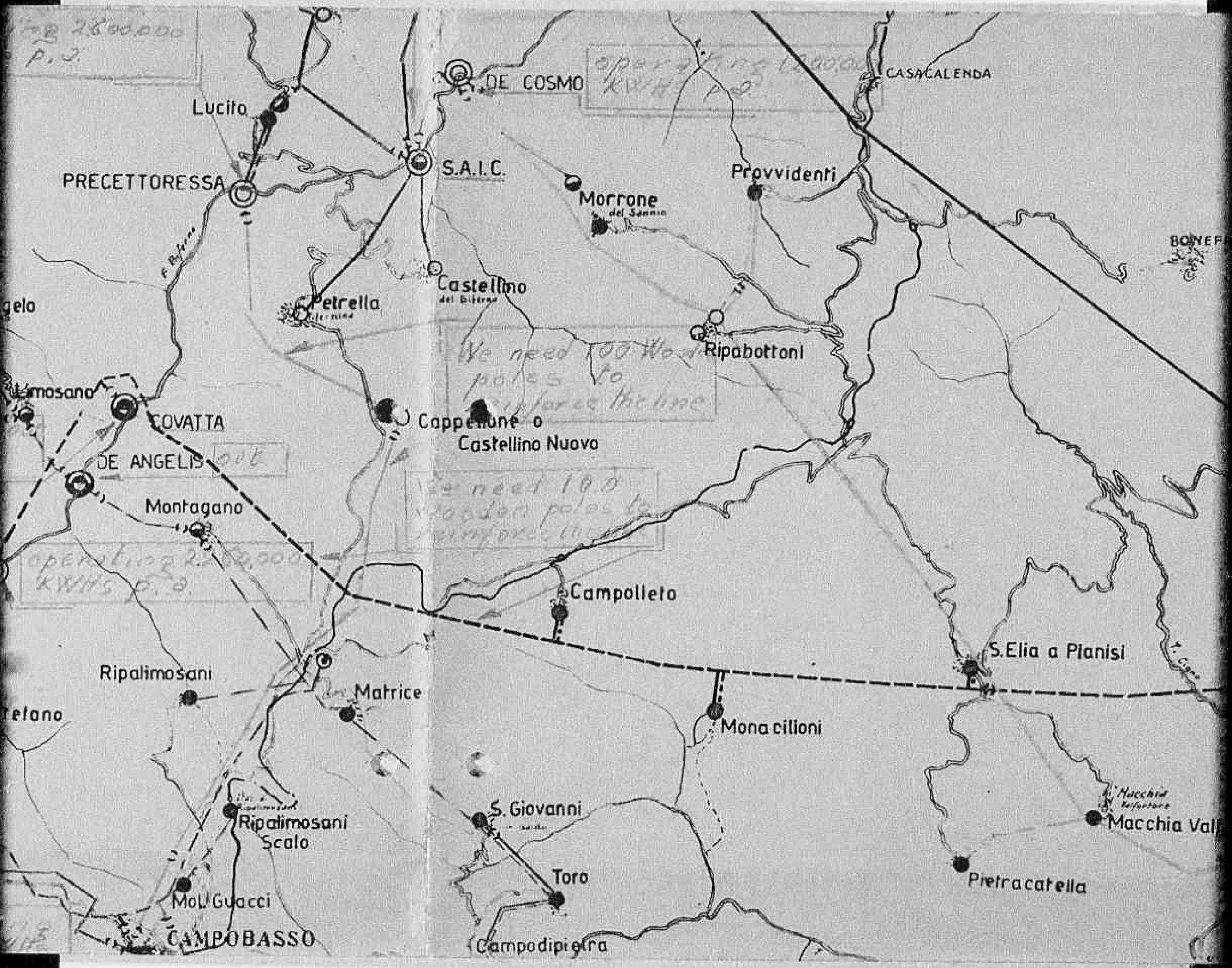
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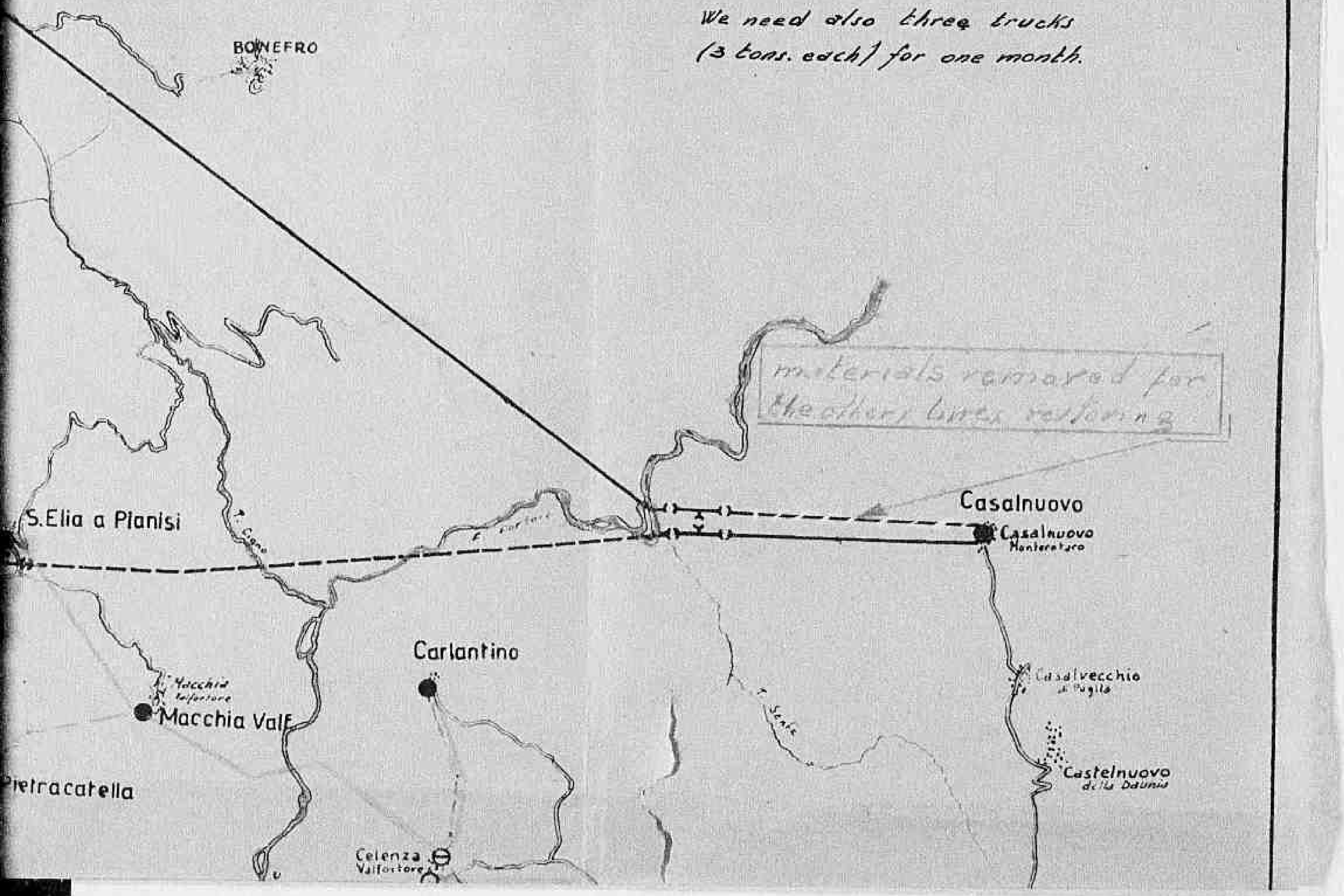


Declassified E.O. 12356 Section 3.3/NND No. 785019



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

in many stores of Nola area.
It is necessary to transport these poles from Nola area to Campobasso area and to transport them along the lines.
We need also three trucks (3 tons. each) for one month.



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

" " " o sub-distributori

" 30 KV

" 20 "

" 11 "

" 9 "

" 3 "

" 1 "

" 60 "

We need 50 wooden poles to restore the line

operating both prods since 180.000 KWHs p. 9

Fornelli

Colli a V. Turno

Fondi

Montaquila

Macchia

Macchia V. Volturno

not operating repairable KWHs p.

S. NAZZARO

Monteroduni

S.Maria Oliveto

Pozzilli

Concacasale

LA CORTE

VENAFRO

MULINELLO

Cimitero Venafro

Ceppagna

S Pietro Infine

Vallecupa

Roccapipirozzi

V. Volturno

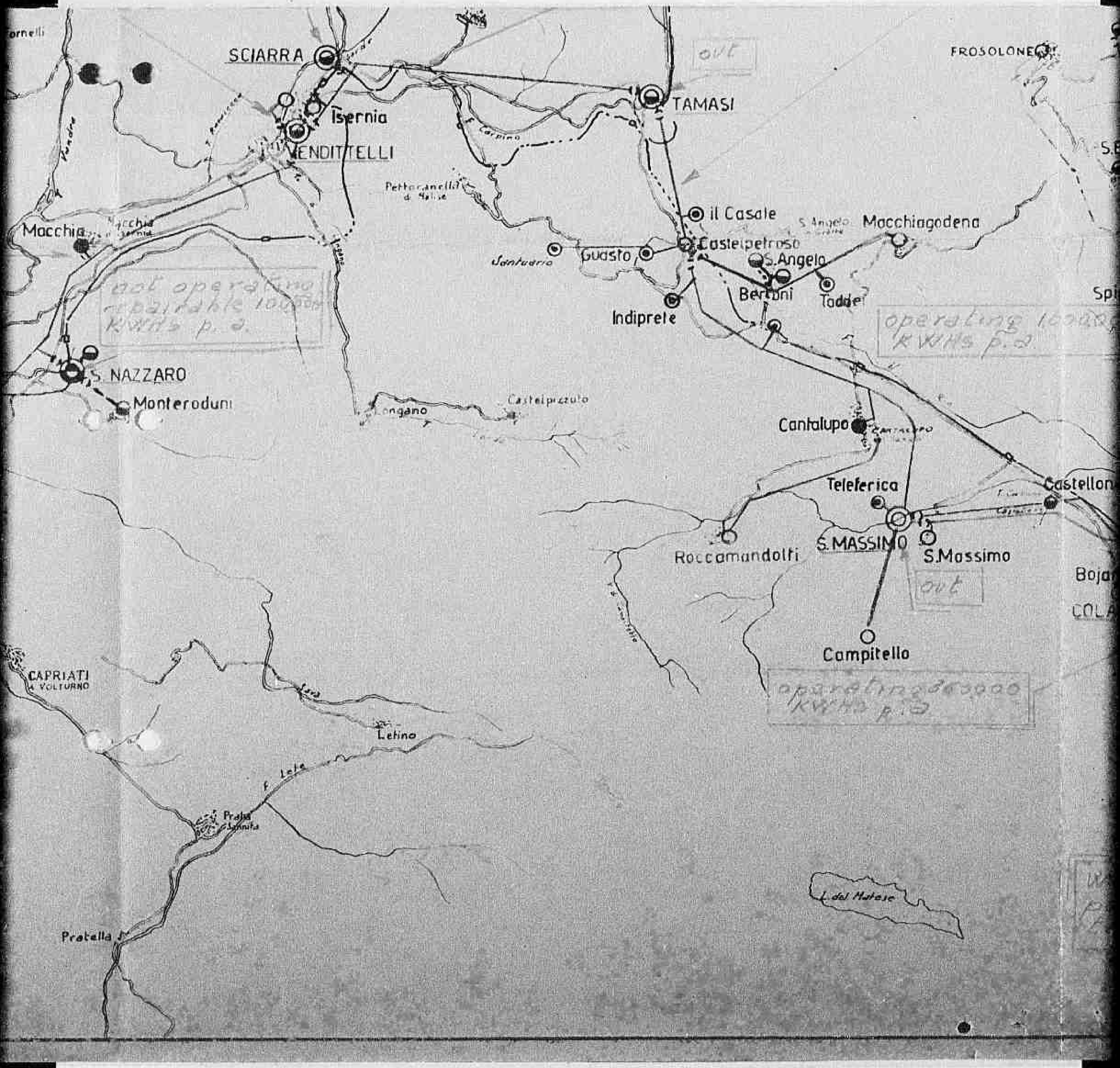
CAPRIATI A VOLTURNO

Sesto Campano

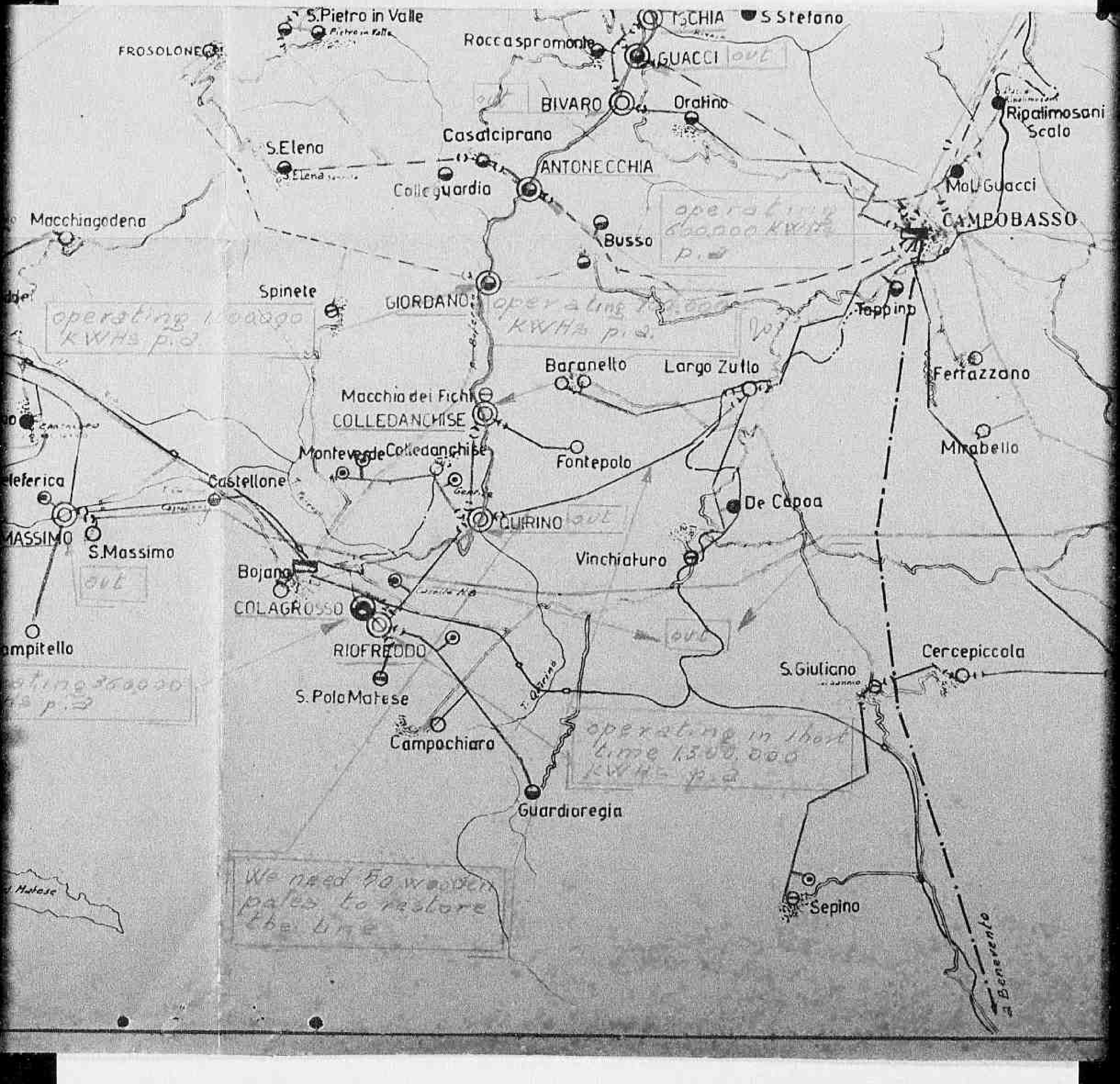
Pratella

Ecch. 17-4-944 20-T-64

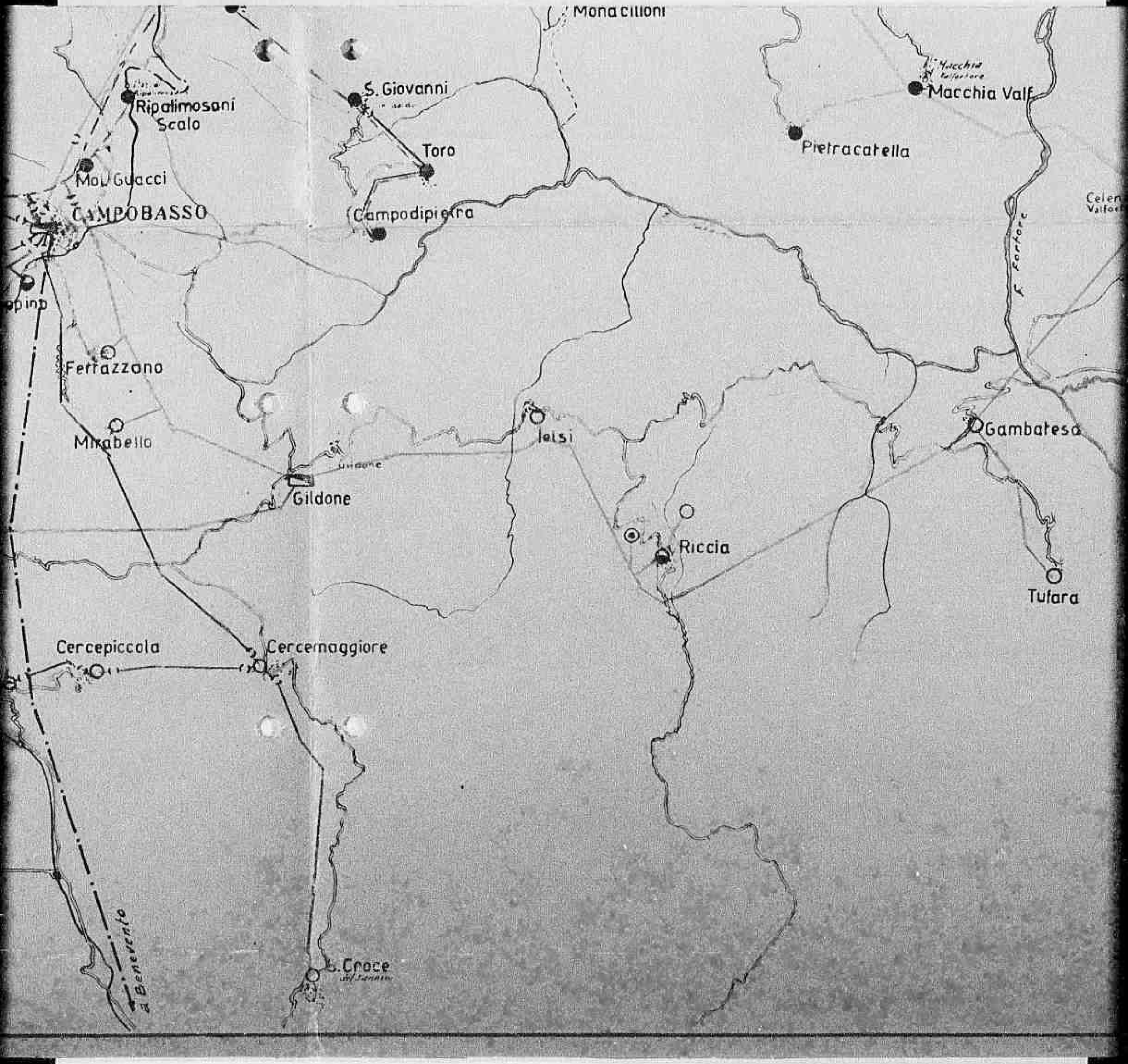
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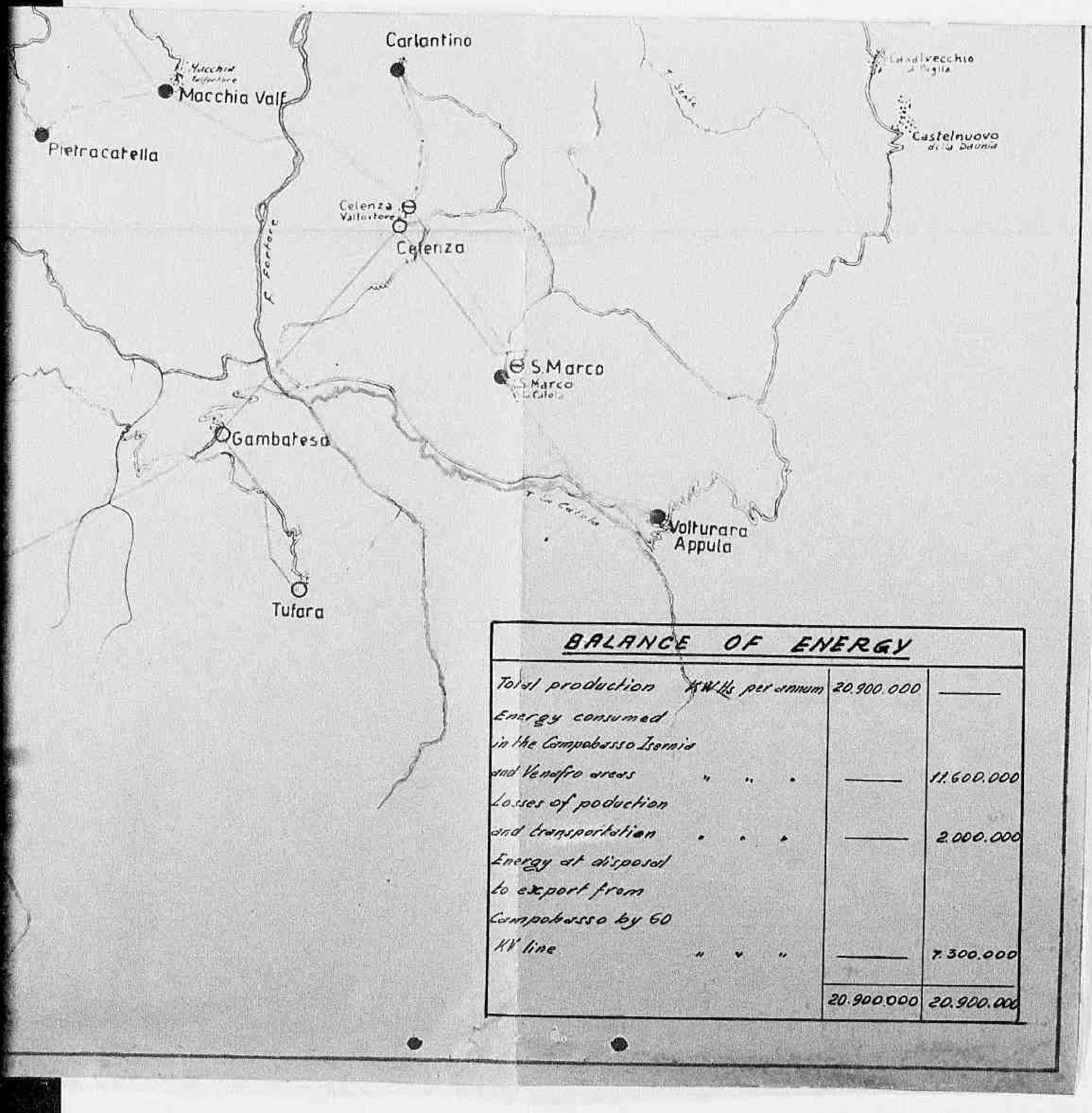


Declassified E.O. 12356 Section 3.3/NND No. 785019



0488

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



BALANCE OF ENERGY

Total production KWHs per annum	20.900.000	———
Energy consumed in the Campobasso Isernia and Venafro areas " " "	———	11.600.000
Losses of poduction and transportation " " "	———	2.000.000
Energy at disposal to export from Campobasso by 60 KV line " " "	———	7.300.000
	20.900.000	20.900.000

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

Tel. 489081

VSH/adg

R 1671

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

AGO/051/PWU 9 Sept. 1944

Subject : Contemplated Improvements at Frattamaggiore and Timpa Grande.

To : Electrical Engineer, Southern Region.

1. Reference is made to your letter dated 24 August, Subject: Temporary Installations in Frattamaggiore, transmitting a letter, same date and subject from the Societa' Meridionale di Elettricita' requesting approval of some temporary installations at Frattamaggiore. Reference is also made to your letter dated 24 August, Subject: Increase of Capacity of Timpa Transformers (10/150 KV), transmitting a letter same date and subject, from the Societa' Meridionale di Elettricita', requesting approval of a plan to move one transformer from Bari North substation to Timpa Grande.

2. This Sub-Commission approves the projects mentioned in the two reference letters. These projects are:

(a) The installation of a temporary 60 KV Switchyard at Frattamaggiore.

(b) The transfer of a transformer from Poggioreale to Frattamaggiore.

(c) The transfer of a 10/150 KV, 12,000 KVA transformer from Bari North to Timpa Grande.

W.H. LAPPER
Lieut. Colonel
Chief, Util. and Adm.Div.

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

HEADQUARTERS
REGION 3, ALLIED CONTROL COMMISSION
APO 394, U.S. Army.

25 AUG 1944

24 August 1944.

SUBJECT: Temporary Instammations in Frattamaggiore.

TO : Headquarters, Allied Control Commission
Public Works & Utilities Sub-Commission
(Att. Lt. Col. Lapper).

1. I am attaching herewith a copy of the letter which I received from SOCIETA' MERIDIONALE DI ELETTRICITA' relating to the Temporary installations in Frattamaggiore.

R.A. RYAN
Capt. Spec. Res.
South Italy
Electrical Engineer.

RAR/rb

Encl.

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

1676

SOCIETÀ MERIDIONALE DI ELETTRICITÀ
PER AZIONI
SEDE IN NAPOLI
CAPITALE L. 1.125.000.000 - VERSATO L. 1.012.500.000

C. P. C. N. 21017
N. 4551/F TM/ep
da citare nella risposta

Telegrammi: TUSCIANO - NAPOLI

Napoli, (105) 24 Agosto 1944
VIA P. E. IMBRIANI, 42

HEADQUARTERS
ALLIED CONTROL COMMISSION
PUBLIC WORKS AND UTILITIES
APO 394

All'attenzione del Col. Lapper

Installazioni provvisorie in Frattamaggiore

Quadro all'aperto 60 kV

Non abbiamo al momento in Fratta nessun quadro provvisorio allo aperto a 60 kV. L'arrivo e le uscite delle linee a 60 kV sono state connesse secondo lo schema dell'annesso disegno nº 14596 (3^ fase). Le connessioni provvisorie sono eseguite in parte vicino alla distrutta sottostazione ed in parte intorno ad essa.

Con lo schema di cui sopra le due linee Fratta-Poggio (bianca e rossa) sono impiegate per convogliare direttamente a Poggio tutta l'energia degli impianti della Sila, del Tusciano e del Tanagro. Le altre due linee Fratta-Poggio (verde e gialla) sono impiegate nello stesso tempo per la connessione delle linee uscenti e per quella delleri manenti fonti di energia (impianto termico Capuano - Matese - Lete e Calore).

I più notevoli inconvenienti della presente situazione sono:

1) molto scarsa protezione

2) considerevoli perdite di tempo in caso di fuori servizio. L'apertura di interruttori e colli morti sulle linee verde e gialla richiedono un tempo inaccettabile. 385

3) Il collegamento sulle stesse linee (verde e gialla) degli alimentatori in uscita cogli impianti è causa di inconvenienti specialmente per l'impianto termico in caso di fenomeni transienti.

4) una perdita di ca. 230 kW alla punta (poichè quasi tutta l'energia è trasportata a Poggio e di là rinviata a Fratta).

./.

Mod. 7 (10.000) Tipi A. Trani - 11-42

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

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

167 F 2)

Noi proporremmo di installare a Fratta un quadro all'aperto provvisorio a 60 kV secondo lo schema n. 4 del disegno annesso. I vantaggi dello schema proposto sono ovvi. Osserviamo solamente che con le esistenti doppie sbarre in Poggio e le progettate doppie sbarre in Fratta sarà possibile eseguire la distribuzione dei carichi in modo da permettere in caso di interruzione di alcune fonti di energie il mantenimento in servizio separato di alcuni impianti (per esempio l'impianto termico) e di alcune alimentazioni a mezzo della rapida apertura dei congiuntori.

Il quadro sarà del tipo più semplice per ridurre la richiesta di materiali al minimo (10 Tonn. di cemento - 30 bombole di ossigeno e 8 di acetilene). Per l'equipaggiamento elettrico sarà necessario prelevare materiali da altri impianti della S.M.E.

Trasformatori 60/9 kV

Le linee di distribuzione della Campania erano alimentate da Fratta a 9 e 30 kV. Presentemente la zona è alimentata da una estremità (SS.Pomigliano) a 9 kV con notevoli perdite e cadute di tensione (V. grafici annessi). Per esempio in Aversa al momento della punta la tensione cade a ca. 6,6 kV e a Fratta a circa 7,2 kV. Proponiamo di dislocare un gruppo di trasformatori da Poggio a Fratta. Il fabbisogno essenziale sarebbe di 10 Tonn. di cemento e un carro matto per 2 o 3 giorni. Gli interruttori e sezionatori per il quadro 9 kV sarebbero provvisti dalla Campania prelevandoli da altre cabine.

Vi pregniamo di considerare l'opportunità di autorizzare il suddetto lavoro.

Con molti ringraziamenti.

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

Allegata: traduzione in inglese
E 2 disegni

384

Mod. 8 (20.639) Tip. A. Trani - 6-45

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

SOCIETÀ MERIDIONALE DI ELETTRICITÀ
PER AZIONI
SEDE IN NAPOLI
CAPITALE L. 1.125.000.000 - VERSATO L. 1.012.500.000

TRANSLATION

C. P. C. N. 21917
N. 45517 TM/ep
da citare nella risposta

Napoli, (105) 24th August 1944
VIA P. E. IMBRIANI, 42

167 E

HEADQUARTERS
ALLIED CONTROL COMMISSION
PUBLIC WORKS AND UTILITIES
APO 394

Attention of Col. Lapper

Temporary installations in Frattamaggiore

60 kV Switchyard

We do not have presently in Fratta any temporary 60 kV switchyard. Incoming and outgoing 60 kV lines have been connected amcording to the scheme of the annexed print Nr. 14596 (step Nr. 3) Temporary connections are partly made near the destroyed sub. and partly all around it.

With the above scheme two Fratta-Poggio lines (white and Red) are employed for carrying directly in Poggio all the energy of Sila, Tusciano and Tanagro plants. The other two Fratta-Poggio lines (Green and Yellow) are at the same time employed for the connection of outgoing lines and of remaining sources of energy (Capuano steam plant - Matese, Lete, Calore).

The most noticeable inconveniences of the present situation are:

1) very poor relaying

2) considerable losses of time in case of outages. The opening of switches and links on the Green and Yellow lines requires a time which cannot be accepted.

3) the connection on the same lines (Green and Yellow) of outgoing feeders and plants causes trouble (specially for the steam plant in case of transients)

4) an unnecessary loss of about 230 kW at peak load (as almost all the energy is brought in Poggio and than sent back towards Fratta).

./.

Telegrammi: TUSCIANO - NAPOLI

Mod. 7 (10.000) Tipi A. Trani - 11-42

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

SOCIETA MERIDIONALE DI ELETTRICITÀ

167 2)

We should propose to install in Fratta a temporary 60 kV switchyard according to the schema nr. 4 of the annexed print. Advantages of the proposed schema are obvious. We shall only point out that with the existing double bars in Poggio and planned double bars in Fratta it will be possible to carry out distribution of loads as to permit in case of outages of some sources of energy to keep in separate service some amounts of loads and some plants (for instance the steam plant) trough the quick opening of couplers.

The switchyard would be of the most simple type in order to reduce requirement of materials to a minimum (10 Tons of cement - 30 Oxygene cilinders - 8 Acetylene cilinders). For the electrical equipments it will be necessary to cannibalize other SME plants.

60/9 kV transformers

Campania Co. distribution lines were supplied by Fratta at 9 and 30 kV. Presently the area is supplied from one end (Pomigliano Sub) at 9 kV with noticeable losses and voltage drops (see annexed graphs). For instance in Aversa at peak load time the voltage falls at about 6,6 kV and in Frattamaggiore at about 7,2 kV. We should propose to displace one transformer bank from Poggio to Fratta. Essential requirements would be 10 Tons of cement and a low-loader for 2-3 days. The breakers and switches for the 9 kV switchgear would be provided by Campania Co. cannibalizing other cabins.

We beg you to consider the opportunity of authorizing the above works.

We thank you and remain truly yours.

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

M L L

Annexes: 2

382

Mod. 8 (20.000) Tipi A. Trani - 6-43

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

HEADQUARTERS
REGION B, ALLIED CONTROL COMMISSION
APO 394 U.S. Army.

25 AUG [illegible]
07283

R. 167c

24 August 1944.

SUBJECT: Increase of Capacity of Timpa Transformers (10/150 kV)

TO / Headquarters, Allied Control Commission
Public Works & Utilities Sub-Commission
(Att. Lt. Col. Lapper).

1. I am attaching herewith a copy of the letter which I received from SOCIETA' MERIDIONALE DI ELETTRICITA' relating to the Increase of Capacity of Timpa Transformers (10/150 kV)

R. A. RYAN
Capt. Spec. Res.
South Italy
Electrical Engineer.

RAR/rb

Encl.

381

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

167B

SOCIETÀ MERIDIONALE DI ELETTRICITÀ
PER AZIONI
SEDE IN NAPOLI
CAPITALE L. 1.125.000.000 - VERSATO L. 1.012.500.000

C. P. C. N. 21917
N. 75516 TM/ep
da citare nella risposta

Telegrammi: TUSCIANO - NAPOLI

Napoli, (105) 24 agosto 1944
VIA P. E. IMBRIANI, 42

HEADQUARTERS
ALLIED CONTROL COMMISSION
PUBLIC WORKS AND UTILITIES
APO 394

All'attenzione del Col. Lapper

Aumento di capacità dei trasformatori di Timpa Grande (10/150 kV)

1) I trasformatori di Timpa Grande connessi al sistema a 150 kV hanno una capacità di 90 MVA. Le linee uscenti sono tre: Bari--Tusciano-Feroleto. Anche se noi supponiamo la Sottostazione di Feroleto alimentata a 60 kV, rimarrà ancora una possibilità di trasporto di circa 52÷55 MVA per la Puglia e 48 per Napoli (i trasformatori 150/60 kV del Tusciano sono per 48 MVA), in totale 100 ÷ 103 MVA.

2) Nella situazione presente, essendo gli impianti Silani di importanza fondamentale per noi, una capacità minima di 100 ÷ 103 MVA sarebbe richiesta per Timpa Grande.

3) Noi proponiamo perciò di dislocare un trasformatore da 12 MVA 10/150 kV da Bari Nord a Timpa Grande. Questo spostamento lascerebbe ancora a Bari una sufficiente capacità di trasformatori (compresa la riserva).

4) Le richieste essenziali per il suddetto lavoro sono i mezzi di trasporto per lo spostamento della unità e delle apparecchiature ausiliarie. Sono in corso indagini dettagliate circa le condizioni della strada e dei ponti per poter decidere circa la possibilità di eseguire il trasporto senza effettuare il completo smontaggio del trasformatore.

Nel frattempo Vi preghiamo di autorizzarci ad eseguire i lavori.

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Con molti ringraziamenti.

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

Allegata; traduzione
in Inglese

Mod. 7 (10.000) Tipi A. Trani - 11-42

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

167A

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

PER AZIONI

SEDE IN NAPOLI

CAPITALE L. 1.125.000.000 - VERSATO L. 1.012.500.000

C. P. C. N. 21917

N. 75516 TM/ep

da citare nella risposta

TRANSLATION

Napoli, (105) 24th August 1944

VIA P. E. IMBRIANI, 42

HEADQUARTERS

ALLIED CONTROL COMMISSION

PUBLIC WORKS AND UTILITIES

APO 394

Attention of Col. MAPPER

Increase of capacity of Timpa transformers (10/150 kV)

1) Timpa transformers connected to the 150 kV system have a rated capacity of 90 MVA. There are 3 outgoing lines: Bari-Tusciano-Ferole to. Also if we suppose the Feroleto Sub. supplied at 60 kV, it will still remain a possibility of transmission of about 52-55 MVA for Apulia amd 48 for Naples (Tusciano 150/60 kV transformer are rated 48 MVA), totalling 100-103 MVA.

2) In the present situation, being Sila plants of basic importance for us, a capacity of at least 100-103 MVA would be required for Timpagrande.

3) We propose than to displace one 12 MVA 10/150 kV transformer from Bari North to Timpagrande. This displacement will still leave in Bari a sufficient capacity of transformers (inclusive of reserve).

4) The essential requirements for the above work are some transportation means for the displacement of the unit and auxiliary equipments. We are now inquiring in detail as to the condition of road and bridges in order to state about possibility of transportation of the unit without complete disassembly.

In the meantime we beg you to authorize the work.

We thank you and we remain truly yours.

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

ML 379

Telegrammi: TUSCIANO - NAPOLI

Mod. 7 (10.000) Tipi A. Trani - 11-42

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

Site 166 B

Tel. 489081

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

ACC/052/UTIL

9 Sep. 44

Subject : Electricity supply N° 2 District
Lucera - Deliveries - Sept 1944 etc.

To : HEADQUARTERS AAI
Attention D.W.

1) - Reference your letter 6 Sept. 44.

2) - The "Apulia" Company at Bari was contacted on this matter and they informed us that the transformer at the brick-works had been removed temporarily due to the failure of one serving a portion of the city of Lucera.

3) - Also that another transformer was on the way to Lucera and that the brick factory transformer would be replaced the following day namely 7 September 44.

Ref 169 refers

W.M.LARNER
Lieut-Colonel
Chief, Util. & Adm. Div.

copy to Southern Region - Att. Capt. Ryan
" " Southern Region - Att. Capt. Sinclair

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

7 SEP Recd 051 CCB

PW & CI 7 SEP Recd

Subject:- Electricity Supply - 2 District HQ ALLIED ARMIES IN ITALY.
LUCERA Brickworks.

Ref: Filpot 311
1941/DW
6 Sep 44

P.W. & I. Sub Commission,
H.Q. A.C.C.

Copy to:- 2107/DW.

1. It has been reported that the Electrical Commission of LUCERA has removed the transformer from 'B' Factory without permission from AMG or the Town Major. As a result 'C' Factory is unable to function.

2. The matter has been referred to Col. BRIGGS who will communicate through Capt. SINCLAIR the earliest date on which the transformer can be returned.

3. Will you please take necessary action to have the transformer returned?

HEADQUARTERS
7 SEP 1944
A. C. C.

W. A. [illegible]. SMITH,
Lt. Col. R.E.,
for Brigadier,
Director of Works.

377

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

Tel. 489081

VBR/cdg

R. 165

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

ACC/051/PWU

9 Sept. 1944

Subject : Utilization of Electricity from Domenico Ferri e Figli, Campobasso Province.

To : Vice President, Economic Section.

1. Reference is made to your letter dated 14 August 1944, Subject: D.Ferri e Figli, and requesting information as to the status of the firm Domenico Ferri e Figli.

2. This plant is located on the Biferno River, north of Campobasso. It is one of many small generating stations in the area. The output of the plant is about 3,600,000 Kilowatt-hours per year. At the present time, all of this available output is not being utilized because of damage to transmission lines and a substation at Campobasso.

3. The Societa' Meridionale di Elettricita', which generates and transmits electricity over Southern Italy, has submitted a plan whereby the transmission lines between the plants, and the substation will be repaired to permit interconnecting with the transmission grid. This plan has been approved by this Sub-Commission. When the connection is made an estimated 7,300,000 kilowatt-hours per year will be supplied to the grid. At the present rate of use this represents less than one percent of the annual electricity consumption.

4. Insulating materials ordered early in the year are expected to arrive in Italy, and will be available to make the substation repairs. Transportation will be needed to repair the transmission lines. It is hoped to locate several vehicles for this purpose.

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

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

051 b-m

164 B

HEADQUARTERS
REGION 3, ALLIED CONTROL COMMISSION
APO 394 U.S. ARMY.

28 August 1944.

SUBJECT: Hydro Plant - Domenico Ferri - Campobasso.

TO : Headquarters, Allied Control Commission
Public Works & Utilities Sub-Commission
(Att. Lt. Col. Lapper).

1. Recently Major Renton requested information relating to the Domenico Ferri Hydro Plant in Campobasso.

2. I am enclosing herewith a report which Eng. Masturzo has made on this plant.

R.A. RYAN
Capt. Spec. Res.
South Italy
Electrical Engineer.

RAR/rb

Encl.

Lt Col Lapper

375

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

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

MEMORANDUM 164

A

HYDRO-PLANT DOMENICO FERRI (CAMPOBASSO)

The above plant is one of the 14 generating stations of wich we have discussed in our letter to A.C.C. Headquarters of the 26th inst. In the graph annexed to the letter the plant is shown under the name of S.A.I.C.

The yearly output of the plant is estimated of 3600.000 kWh. Presently the energy available in the plant is only partly utilized for the situation of the 20 KV grid and of the interconnection between the Campania and S.M.E. grid. In the said letter proposals have been made about the possibility of utilizing more completely all the small hydro-plants of the District, this one included.

Naples, 25th August 1944

TM/ls

374

M/ot. 8 (15.000) Tipi A. Trani - 8-41

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

15 AUG Recd
FSB
051 C.C.B.

163

HEADQUARTERS
ALLIED CONTROL COMMISSION
ECONOMIC SECTION
APO 394

AK/sem

ES/16

14 August 1944

SUBJECT: D. Ferri e Figli

TO : Lt. Colonel Jenny
Public Works and Utilities Sub-Commission

1. We have received information that the firm Domenico Ferri e Figli of Campobasso, which produces normally 6 million Kwhs. per year, has three-fourths of its production now unused due to the lack of transformers for connecting it to lines of different voltage.

2. What is the status of this enterprise?

Lt Col Kapper

Please prepare answer
15/8

WILLIAM O'DWYER
Brigadier General, AUS
Vice President
Economic Section

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

21 AUG Recd 051 CCS

Mod. CP- 4

MINISTERO DEI LAVORI PUBBLICI
Direzione Generale Tecnica

Roma, addì 14 AGO 1944 162

N. 53/NA

Risposta al foglio del

Div. N.°

Alligati N.° 1

Al QUARTIERE GENERALE DELL'AVANZATA
Commissione di Controllo Alleato
all'attenzione del Colonnello
W.M. LAPPER
ROMA

OGGETTO = Fornitura di elettricità ai Comuni di Caserta e di Capua =

A seguito mia nota 15139/15140 Div. IV del 4 luglio 1944 ed in risposta alla vostra ACC/051/PWU in data 11 luglio 1944 comunico che con lettera del 4 agosto c.a. N.19, della quale unisco copia per conoscenza, sono stato sottoposte dall'Ispettore dell'Italia Meridionale Prof. Ruggiero all'attenzione del Cap.no Ryan le domande riprodotte da i Sindaci di Caserta e di S.M.Capua V. per la fornitura dell'energie elettrica a quei Comuni.

E' stato particolarmente raccomandato al Capitano Ryan il favorevole accoglimento delle domande data l'importanza dei suddetti centri ed i bisogni di quelle popolazioni da moltissimo tempo privi dell'illuminazione elettrica e costrette a sostituirla con altri mezzi costosissimi.

Il provvedimento viene raccomandato per ragioni di carattere sociale e politico, tanto più che le difficoltà tecniche sarebbero superabili.

IL DIRETTORE GENERALE
(C. Tizzano)

372

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

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

Translation

Rome, 14 Aug, 1944

Ministry of Public Works.
Technical General Direction.
No.53/NA

To: Headquarters of the A.C.C.
and for the attention of:
Lt.Col. Lapper.
Rome

Subject: Supply of electricity to the Communes of Caserta and Capua.

Following on my note 15139/15140 Div.IV of July 4th 1944 and in answer to yours ACC/051/PWU of July 11th 1944 I inform you that the requests for electric power supply made by the Mayors of Caserta and S.Maria Capua Vetere for their respective Communes, have been submitted to the attention of Cap. Ryan by the Inspector of Southern Italy Prof. Ruggiero in a letter dated Aug.4th inst. No.19, of which I enclose a copy.

Cap. Ryan has been asked to take these requests into particular consideration, given the importance of the above mentioned places and the needs of those populations, deprived of electric lighting already a long time and obliged to replace it with very expensive substitutes.

We recommend the measure to your attention on social and political grounds, especially as the technical difficulties can be overcome.

The Director General.
(signed: C.Tizzano)

Lt Col Lapper
The people of Caserta may be proud, as Tizzano says but we have a war to fight. You may wish to find out from Capt Ryan just what the possibilities are. Here we are talking of cutting off Rome and there they want current?

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COPIA

161

MINISTERO DEI LAVORI PUBBLICI
L'Ispettore - Generale
incaricato per Elettricità Acqua e Gas
nell'Italia Meridionale

Napoli, addì 4 agosto 1944

Prot.N. 19

OGGETTO: FORNITURA DI LUCE AI COMUNI DEL CASERTANO

SUB-COMMISSIONE ELETTRICITA' DELL' A.C.C.

NAPOLI

Att. Cap. RYAN

Ho esaminato le due nuove domande 30-7 e 1/8/1944 dei Comuni di Caserta e S.Maria Capua Vetere per riottenere la distribuzione della luce, nonchè le notizie fornite dalla S.E. della Campania col memoriale 7 luglio 1944 a codesta Commissione.

Si tratta di un provvedimento a carattere di sociale giustizia, che da mia parte riconosco possa accogliersi e che raccomando alla benevole attenzione di codèsta Commissione, poichè la mancanza di luce favorisce il mercato nero e grava moltissimo sui bilanci familiari specie delle classi meno abbienti.

Inoltre le fiere popolazioni del Casertano sono state, molt[illegible]
tate dal fascismo che ci à

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

OGGETTO: FORNITURA DI LUCE AI COMUNI DEL CASERTANO

SUB-COMMISSIONE ELETTRICITA' DELL' A.C.C.

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Si tratta di un provvedimento a carattere di sociale giustizia, che da mia parte riconosco possa accogliersi e che raccomando alla benevole attenzione di codèsta Commissione, poichè la mancanza di luce favorisce il mercato nero e grava moltissimo sui bilanci familiari specie delle classi meno abbienti.

Inoltre le fiere popolazioni del Casertano sono state maltrattate dal fascismo che si è vendicato abolendo quella provincia, e vedrebbero con riconoscenza agli Alleati ed al Governo accolta la loro viva preghiera su cui insistono da dieci mesi.

E ciò anche perchè vedono di già distribuita alquanta energia nella zona con abusi e sperperi che potrebbero essere eliminati.

La rete esiste ed il carico massimo si aggirerebbe intorno ai 1500 kwh cui la Società assicura poter provvedere anche con un buon margine residuo sulle assegnazioni consentitele.

Si potrebbe deferire alla Commissione Provinciale di cui allo art. 8 del Decreto 3 Aprile 1944 N.95 in Napoli di decidere quali modalità e limitazioni di oneri debbono imporsi qualora codesta Commissione ritiene di aderire alla giusta richiesta dei Comuni della zona anche perchè

./.

370

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

oltre Caserta e S.Maria occorrerebbe accontentare gli altri Comuni minori della zona che per altro non sono numerosi.

L'ISPETTORE GENERALE ff.

(Placido Ruggiero)

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

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

1

31 AG Recd 051 PWU

160

HEADQUARTERS
REGION 3, ALLIED CONTROL COMMISSION
APO 394, U.S. ARMY

28 August 1944

SUBJECT: Electric Railway Service.

TO : Headquarters, Allied Control Commission
Public Works & Utilities Sub-Commission
(Att. Lt. Col. Lapper).

153

1. Reference is made to your letters of 26 Aug. 44 file A.C.C. 051 P.W.U.

2. I have discussed the matter of additional power for the Circumvesuviana R.R. Cumana R.R. and Alitana R.R. with the Region III Engineer.

3. During the month of August 1944 the Region III Engineer suspended the operation of the Naples Tramway System during the peak load hours in order to stay within the KW allotment on the Naples Distribution.

4. The September allotments of power have already been made and they do not provide power for additional electric railways service in this area.

5. The Region III Engineer and I are of the opinion that a request should be made for an increase in the October allotment to provide power for this additional electric railway service.

6. It is recommended that no additional electric railway service be started until there is an increase in the power allotment for that purpose.

seems reasonable

no action
Dale Tolpin
WMTC

Lt Col Lapper
Engr 1/9

R. A. RYAN
Capt. Spec. Res.
South Italy
Electrical Engineer.

RAR/rb

369

Copy to :- Region III Engineer.

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

C o p y

159 051

HEADQUARTERS ALLIED ARMIES IN ITALY.

5022/CAO

29 Aug 44.

A.F.H.Q.

Copy to HQ A.C.C.
D.W.

Electric Power Supply in ITALY.

Attached is letter dated 25 Aug 44 from the Acting Chief Commissioner, A.C.C., regarding the rehabilitation of electric power in ITALY.

Paragraph 1 of this letter does not specify the nature of the delay which has taken place, but it is the case that application for a 30,000 kilowatt floating generating plant was made to the C.C.S. and was turned down.

So far as we are aware no permanent damage to electrical installations has been caused by the Patriots. On the contrary, the Patriots have received instructions to safeguard to the best of their ability such installations from destruction by the enemy. Armies also have instructions to seize such installations as quickly as possible, to guard them and to send in reports on them. These instructions are being carried out by the Armies and they have executed such repairs as lie within their resources to the installations which they have captured from their recent advance.

Proposals have been submitted to you for the formation of an Electrical Reconstruction Committee to be composed mainly of members of the staff of A.C. C. As, however, you will become responsible for electrical rehabilitation under the proposed scheme of administrative reorganisation, remedial action now rests with you.

(sgd) F.H. ROBERTSON
General,
Commander-in-Chief.

Lt Col Rhodes
- Rapper
Pls. note & file
R.A. 30/8

368

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

COPY

157

EWS/ajp

A/CC 004.04

25 August 1944

SUBJECT: Electric Power Supply in Italy

TO : Allied Force Headquarters,
Through: Headquarters Allied Armies in Italy.

1. Attention is directed to the extremely critical and serious situation in Italy with respect to electric power. There has been delay in taking corrective action to import emergency electrical generating equipment. It is understood that some progress is being made in arranging for some emergency equipment of limited capacity, which when received will be of assistance. It is urged that everything possible be done to expedite the delivery of such equipment.

2. On the mainland of liberated Italy in the section between Naples and the present front line approximately 88% of the electric generating capacity has been destroyed or made inoperative either by enemy demolition or Allied Air Force and ground operations. It is believed that some damage to utility installation may have been caused, or may be caused in the future by patriot groups acting under Allied direction.

3. The economy of Italy is to a very great extent dependent upon an adequate supply of electric power, and it is most urgently recommended that instructions be issued to all concerned to do everything possible during the remainder of the campaign in Italy to protect and preserve electric power, water and electrical communication facilities, and that such utilities be not unnecessarily damaged.

ELLERY W. STONE
Captain, USNR
Acting Chief Commissioner

367

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Tel:489081 HEADQUARTERS WML/tr

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

ACC/051/PWU 28 Aug,44

SUBJECT : Electricity Caserta and Capua .

TO : Capt. Ryan Region III.

1. We have received a copy of the letter addressed to you by Eng. Ruggiero dated 4th Aug. regarding the supply of electricity to Caserta and Capua.

2. This matter is of course entirely in your hands and you know the availability of energy in the South. However, as the military load diminishes you may be able to make more available for the Civilians.

3. Perhaps you will let me have a copy of your reply to Eng. Ruggiero so that we can answer any questions which may be raised by the Ministry.

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

366

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

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

153

Tel:489091

LWL/tr

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

ACC/051/PWU

26 Aug.44

SUBJECT : Rail Service Electric

TO : Hqts Region III
attn: Capt. Ryan .

1. Please refer to our letter 28 July 44 file ACC/051/PWU to Transportation S.C. on the matter of additional power for the Circumvesuviana R.R. Cumena Railway and Alitana Railway.

2. Would you please have this request renewed for consideration by Region III ?

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

365

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

Oil 152

Tel: 49081

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

LWL/bb

ACC/051/PWU

25 Aug, 44

SUBJECT : Operation, Capuano Steam Plant.

TO : Hqts. Region III
attn: Capt. Ryan.

1. Your letter 21 Aug 44-oil supply Capuano has raised a question in this office as to whether the Capuano steam plant is under the control of the power company or some Army or Naval control.

2. Will you please contact Com. Hoggan to determine the true status at the present time and whether there is any likelihood of a change in the near future?

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

364

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

Tel.: 478701

25 AUG Rec'd

EWD/lr

051 ccb.

151

HEADQUARTERS
ALLIED CONTROL COMMISSION
Transportation Sub-Commission
APO 394

Our reference: ACC Tn/88/57
Date : 23 August 1944

TO : P W and Utilities Sub-Commission
HQ ACC (attn. of Lt. Col. W.M. Lapper)

SUBJECT : Railway Services - Electric

120

1. Reference is to your letter ACC/051/PWU dated 28 July 44 with regard to addition supply of electric current to meet requirements for increased rail facilities over the Circumvesuviana Railway, Cumana Railway and Alitana Railway.

2. As suggested in para 3 of your letter referred to above, the application is resubmitted for further consideration by you.

D.S. ADAMS
Colonel, C.E.
Tn. Sub-Comm.

Lt Col Lapper

25/8

363

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

24 AUG Recd 051 CCS

150-

HEADQUARTERS
ALLIED CONTROL COMMISSION
INDUSTRY SUB COMMISSION
APO 394

Tel. 636
Ref. ACC/5628/IND

RSO/ab

23 August 44

Subject: Crotone Electricity requirements

To: Public Works & Utilities Sub-Commission

140

1. You letter ACC/05I/PWU, dated 4 August 44, refers.

2. An expert is now visiting, on instruction of Industry Sub-Commission, Crotone and will report shortly on the present energy requirements of the Montecatini plant.

3. As soon as this expert ~~will be~~ comes back the necessary information will be passed on to you.

Lt Col Hopper 24/8

John S. Todd

J.S.E. TODD
Colonel
Acting - Director
Industry Sub-Commission

Capt Laughlin 25 Aug

362

mtd 1/11/45

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

16 HiG Recd 051.Wsp.

SUBJECT: Electricity - LETE & MATESE Projects

9 43

Directorate of Works,
HQ AAI CMF.

2057/DW/
15 Aug 44

13

GS 3 District

1. The Chief Engineer HQ AAI has given his personal assurance to the Electrical Reconstruction Committee that the Bailey bridge on the road to LETE Power Station will not be removed for the present. Will you, therefore, please ensure that this bridge is NOT removed without instructions from this H.Q.

2. The shaft and rotor for Matese I has been duly straightened at TARANTO. It is, however, essential that the pole pieces be sent to TARANTO so that the complete rotor can be dynamically balanced. This is being arranged by A.C.C. to whom it is requested that you will hand over the pole pieces for dispatch

W.A.P. SMITH
LT. COL. RE
FOR BRIGADIER,
DE.

Copy to: Public Work & Utilities Sub Commission
HQ A.C.C.

Maj Barry
Renton

Lt Col Kapper Hon C
Thompson

Res note & file

361

Dft 16/8

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

Tele: 489081

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

LWL/mc

ACC/051/PWU

11 Aug. 44

Subject: Repair of Elevators A.C.C. Hq.

To : Hq. Commandant.

1. The cost of repair work on the attached estimates seems reasonable and is summarized as follows:-

No 5 Via Molise - left wing	6,730	lira
No 6 " S. Basilio	11,270	"
No 4 " Molise - right wing	29,000	"
miscellaneous repairs	14,800	"
Total	61,800	"

2. We suggest that the cables be will greased in order to reduce wear and preserve them.

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

1 - enclosure:
Estimate by S.A.F.O.V.
English and Italian version.

360

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

8 JUL Recd

os/ Rat

WML/ce

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

ACC/051/PWU

6 Jul 44

Subject: Electricity Southern Italy.

To : Capt.. RYAN, Region III

1. Attached letters are forwarded to us for your attention :

- 57 Area Electricity Control Sub-Committee, 30 June 44 - Ref:- EM/20/2,
- correspondence with Lt. BUTCHER, re plant near Potenza,
- copy of letter from Industry and Commerce, dated July 1st, re electricity supplies,
- copy of letter dated 30 June 44, ref.- ACC Tn/88/46 referring to electricity for railway services.

2. These letters have been sent to me from Naples and I will arrange for the future that Rear Headquarters pass all correspondence referring to Southern Italy electrification to you in the first instance.

3. I am anxious to keep closely in touch with everything that is going on in your area and shall be glad if you will keep me posted as to the action which you are taking and submit any matters of policy to me for direction.

4. I am arranging to have the graphical data for the months of June, July and August completed at this Office in Rome and will forward a copy to you. Any information which you have or which you have been in the habit of supplying to us for the compilation of these data should be sent in as soon as it becomes available.

5. I hope that you are now recovered from your illness and that you are now feeling quite fit again.

359

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

Copy to: Public Works & Utilities Sub-Commission, Naples.

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

8 JUL Recd

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

WML/ce

ACC/051/PWU

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5. I hope that you are now recovered from your illness and that you are now feeling quite fit again.

359

Copy to: Public Works & Utilities Sub-Commission, Naples.

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

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

Tel.489081

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

MOW/mc

ACC/051/PWU

10 Aug. 1944

Subject: Reports.

To : H.Q. Reg. III.
Att. Capt. R.A. Ryan, Elect.Engr. South Italy.

1. To date no report has been received at this headquarters on the following:

" S.M.E. - KWHRS generated for 31/7 Sila-Storage in KWHRS for 31/7 Matese-Storage in KWHRS for 31/7. Apulia (Palagiano) - KWHRS generated and K.W. maximum demand for 18/7, 19/7 and 20/7. "

2. Please forward these figures at your earliest convenience in order to complete our records.

for

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

Letter to
attn Capt Ryan
10 Aug 44
MOW/mc

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

Phone 481894

0511 9 AUG Recd Thru Min. of Finance
Phone 89091 Ext 421

HEADQUARTERS
ALLIED CONTROL COMMISSION
FINANCE SUB-COMMISSION
Budget Sub-Section
APO 394

8 August 1944.

B/21. Ref. your 13059/F.

SUBJECT: Electric Transmission Line: Naples - Rome.

TO : Chief, Util. and Adm. Division,
Public Worls and Utilities Sub-Commission.

1. With reference to your letter of 29 July 1944, the Ministry of Communications has been informed as requested in the final paragraph of your letter.

2. It was found that no special fund had been set aside for this project, but that an appropriation of £ 5,000,000 was made in the budget of the State Railways to account 57 part 622, "Spese per riparare danni di guerra dipendenti da azioni belliche nemiche".

for AUDLEY H. F. STEPHAN,
Lt. Col. F.A.,
Chief Budget Officer.

JRHH/t

Lt Col Rapier
Pls note & file
D.J. 7/8

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

Tel.489081

WML/ce

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

ACC/051/PWU

5 Aug 1944

SUBJECT: Matese II Power Station.

TO : D.W. H.Q. A.A.I.

Ref. your letter 2057/DW. dated 2nd Aug.44 referring to crane gantry for MATESE II Power Station. We are making the necessary arrangements for the release of the crane mentioned and will notify you,as soon as we receive reply.

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

356

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

Tel. 489081.

WML/ce

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

ACC/051/PWU. 5 Aug 44

SUBJECT: Electricity Supply South Italy.

TO : Ministry of Public Works,
att.: Signor TIZZANO.

1. As you already know, the "Societa Meridionale di Elettricith" are installing a hydro-electric generating plant at the MATESE II Power Station. This plant was brought over from the ALTOBELICE Power Station near Palermo, Sicily.

2. The buildings and civil engineering works are nearing completion and it is necessary that a crane shall be installed for lifting the machinery.

3. A suitable substitute has been located at COLLI Power Station. It is understood that there is no immediate prospect of this station being rebuilt and it is desirable that the crane gantry be transferred to the Matese II Power Station.

4. The address of the chief engineer of this company is:

Ing. Dr. Mario DE FALCO,
Direttore dell'Ente Autonomo Volturno,
Via Cisterna dell'Olio, 44,
NAPLES (Tel. 50789)

and it is requested that you make the necessary arrangements for the transfer of this plant from the "Ente Autonomo Volturno" to the "Societa Meridionale di Elettricita".
The matter is most urgent and it is desirable that you inform me immediately you have acquainted the companies of the transfer so that arrangements can be made for the crane gantry to be removed to the Matese II Power Station.

355

Copy to:- Capt. RYAN.

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

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

15 AUG Recd 051 CES

2321

WC9/4

HEADQUARTERS 5 AUG 1944 A.C.C.

ERKB V HJAQ NR 22 "F"
QVR2
FROM CE DISTRO
TO ACC REGION II
INFO ACC HQ
COX GR -- BT

W857 RESTRICTED . EXPEDITE REPLIES TO MY W839 26 JULY AND W842 29 JULY
BT
THI Ø42Ø8Ø
SENT NR 1
KZLL//
RECD NR 22 AT 22// Ø422Ø// Ø42215 B AAA BBBBBB

057 057 PW & M. Econ Sec

Acc. DIST
INTO ACTION: P.W. & M. (2)
INFO: A/C C
ECON. SEC
FILE (2)
FLOAT

354

24.00

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

RESTRICTED

2321

ACC REVIOUS II INFO ACC HQ

69/4

CG DIGINO

W 857

RESTRICTED

PRIORITY

CITE: MINE

AUTH W/2000

HEADQUARTERS
5 AUG 1944
A. C. C.

EXPEDITE REPLIES TO MY W 839 26 JULY AND W842 29 JULY

Acc Hist
Info-Action P W + W (2)
Info- Acc
Exam Sec
FILE (2)
FLOAT

6 Aug 44
called Capt.
and he has talked
to Maj. Bennett
Asst 2. and
confirming conversation
with him by letter.
A copy of this letter
will be sent for their
file hist c

353

RESTRICTED

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

Tel:489081

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

WML/tr

ACC/051/PWU

4 Aug,44

SUBJECT : Crotone Electricity
requirements

TO : Industry Sub-Commission .

1. Attached letter fro our Electrical engineer in South Italy requests information regarding the operation of the C otone plants.

2. Will you please let me have the necessary information particularly as to the amount of energy required in the early months of operation and an estimate as to how long it will take to reach the maximum requirements.

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

352

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

2 AUG Recd
05 CWS.

Pwtr

7843

HEADQUARTERS
REGION 3, ALLIED CONTROL COMMISSION
A P O 394, U.S. Army.

31, July 44.

SUBJECT : Interruption of Electric Service at Crotone.

TO : Headquarters A.C.C. Public Works & Utilities. (Att. Lt. Col. Lapper).

1. Reference is made to your telephone message of 29 July 1944 relating to interruption of the electric service to an R.A.F. unit near Crotone.

2. I have contacted Major Chamberlin in Region VII and he advised me that the Calabria Electric Company has been interrupting the service on certain feeders in order to stay within their KWH. allocation.

3. I advised Major Chamberlin that an uninterrupted supply of electricity should be mantained for all military and essential civilian consumers.

R. A. RYAN
CAPT. SPEC. RES.
SOUTH ITALY
ELECTRICAL ENGINEER.

RAR/rb.

GLB 4/8.

Lt Col Lapper

Maj 3/8

351

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

3 AUG Recd

051 Cels.

T.P.W. & V.

139/811

Directorate of Works,
H.Q. A.A.I. C.M.F.

Subject:- Matese II Power House.

2057/DW

To :- H.Q.,
Allied Control Commission.

2 Aug 44

Herewith copy of letter CE 6004/10 dated 29 Jul 44 received from C.E. 3 District forwarded to you for necessary action.

HEADQUARTERS
3 AUG 1944
A.C.C.

W. A. R. SMITH,
Lt. Col. R.E.,
for Brigadier,
Director of Works.

Copy to:- C.E. 3 District.

SRR 4/8

3/8

350

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

C O P Y

Subject:- Matese II Power House.

Chief Engineer
3 District CMF.
Tel Ext 92
CE 6004/10.
29 Jul 1944.

DW HQ AAI.

1. Considerable work is involved in repairing the crane gantry at the above.

2. A suitable substitute has been located at COLLI Power Station. The Engineer on site stated he saw no immediate prospect of the station being re-built and could see no difficulty in obtaining the gantry if the company were approached.

3. The address of the CE of this Coy is as follows :-

Ing. Dr. Mario De Falco,
Direttore Dell Ente Autonomo Volturno,
Via Cisterna Dell Olio 44,
NAPLES. (Tel 50789).

4. Will you please arrange for the early release of this crane.

(Sgd) -----
Brigadier,
Chief Engineer.

PJH/VH.

349

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

Tel:489081

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

AEP/tr

ACC/051/PWU

4 Aug.44

SUBJECT : Rail Services Electric .

TO : Transportation Sub-Commission .

1. Ref. your letter ACC/Tn/74/41 dtd. 2 Aug.44.

2. We enclose copy of our letter ACC/051/PWU dated 28 July 44 as requested.

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

348

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

Tel.: 390

12 AUG recd
051 CCA

HEADQUARTERS
ALLIED CONTROL COMMISSION
Transportation Sub-Commission
APO 394

CG/lr

Our reference: ACC Tn/74/41
Date : 2 August 1944

TO : Public Works and Utilities
Sub-Commission

SUBJECT : Rail Services Electric

120

1. Reference your ACC/051/PWU dated 1 August 1944.

2. Receipt of your letter ACC/051/PWU dated 28 July 44 cannot be traced.

3. Many copies be forwarded please.

D.S. ADAMS
Colonel, C.E.
Tn. Sub-Comm.

Capt Ready
What further?
Ref 3/8

Copy of letter forwarded 4/8.

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

AUS Recd
051 CAB

HEADQUARTERS
REGION 3, ALLIED CONTROL COMMISSION
A P O 394, U.S. Army.

31 July 44.

SUBJECT: Supplies for Sila Hydro Electric Power Station

TO : Headquarters Region VII A.C.C.
(Att. Regional Engineer.)

1. I am enclosing herewith a request for materials required for maintenance work at the Sila power stations of the Societa Meridionale Di Elettricita.

R. A. RYAN
CAPT. S.B.C. R.E.
SOUTH ITALY
ELECTRICAL ENGINEER.

Copy to :
Headquarters A.C.C.
Public Works & Utilities
Sub-Commission
Att. Lt. Col. W.M. Lapper.

RAR/rb.

no list attached

346

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

2 AUG Recd
851 CCB

HEADQUARTERS
REGION 3, ALLIED CONTROL COMMISSION
A P O 394 U.S. Army.

31 July 44.

SUBJECT: Supplies for Aventino Hydro Electric Power Station.

TO : Headquarters Region V A.C.C.
(Att. Regional Engineer)

1. I am enclosing herewith a request for materials needed to repair the Aventino Hydro electric power station of the Società Meridionale Di Elettricità.

R. A. RYAN
CAPT. SPEC. RES.
SOUTH ITALY
ELECTRICAL ENGINEER.

Copy to :
Headquarters A.C.C.
Public Works Utilities
Sub-Commission
attention Lt. Col. W.F.Lepper

RAR/rb

Encl.

Lt Col Lepper
Brd

345

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

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

15 July 1944.

ACA/051/PWU

TO: Vice President, Economic Section.

PORTABLE ELECTRIC POWER UNITS

Based upon our experience in Sicily we had planned to place requisitions for a number of portable electric power units of from 50 to 500 KW capacity for use on the mainland.

When Lt. Col. Cisler arrived, he advised us that the War Production Board had procured a considerable number of such plants for Russia, also larger plants of about 5000 KW on railroad cars. In addition we were told that larger plants could be had which could be placed on barges and floated to locations such as Rome. We were very much interested in this and had planned to take action, as Lt. Col. Cisler knows.

However, at that time the Electric Power Mission was formed and we had no further responsibility in connection with this matter. Recently this Mission was dissolved, but the overall planning for Electric Power today rests with the Central Electrical Board, with A.C.C. doing most of the work, but with little to say.

We recommend strongly that the following equipment be sent to us as quickly as possible, either from U.S. or U.K.

Portable Gasolene or Diesel Driven Plants

Type	Number
100-200 KW	10
300-400 "	10
2000 "	5

Transformers should be supplied with each unit so that the outgoing voltage is at 6 KV. Frequency of 45 to 50 Cycles.

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

344

Lt Col Rhodes
Capt Hunt

Pls. note & file
Ray 15/7

Discussed with Mr Glady and he will take up in Washington.

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

File

Tel:489081

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

LWL/tr

SECRET

1 Aug ,44

ACC/051/PWU

SUBJECT : Transformers for portable units.

TO : Eng. Service APO 782
att: Lt.Col. Cooley

1. Inquiry was made of Eng. di Piazzo of M.A.T.E.R. of Rome relative that company supplying 9 Transformers for the 500 KVA generating units in accordance with your request.

2. They have 7 transformer cases that can be used and are now available.

3-(a). They have all material available with the exception of copper and transformer oil.

(b) They have no facilities for preparing the copper wire shapes and state that this work will have to be done in Naples. M.A.T.E.R. of Rome will furnish the necessary dimensional specification for the wire shapes needed in constructing the transformers.

4-(a) M.A.T.E.R. of Rome will construct the transformers, 9 in number, same to be 3 phase, 42 to 50 cycle, 400 volts delta low side, 5000 Volt high side with 2-5% taps above normal.

(b) The first two units would be ready for delivery in about 20 days after receipt by M.A.T.E.R. of copper shapes from Naples. Two additional units each 20 days thereafter with order to be completed in about 90 days total time.

5. An alternate plan of providing 9 auto-transformers with 400 Volts delta on generator side and 125/225 volts on delivery side, 500 KVA, 42 to 50 cycle, could be delivered in about 80 days. Wire shapes to be made in Naples.

6. Should you wish to consider air cooled indoor 343 type transformers the transformer oil could be eliminated but

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the delivery schedule would not be much improved over that given in paragraphs 4(a) and 5 above.

7. Eng. Di Piezzo stated they would be able to furnish transformers with voltage ratings, other than those given in 4(a) and 5, if such were desired.

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

CC.to : Eng. Adv.Exch.P.B.S.
through Major R.E.MC Donald
A.I.I. D.D.W.

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

Tel:489081

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

L.W.L/tr

ACC/051/PWU

1 Aug.44

SUBJECT : Rail Services Electric.

TO : Transportation S.C.A.C.C.
att : Lt. Col. Vining

120

1. Reference is made to our letter of 28 Jul 44, file N° ACC/051/PWU on the above subject.

2. Attached is confirmation copy of action taken by HQ, Region III for your files.

3. In our letter of 28 Jul 44 we stated that the action was taken by Dist.3. This is an error and should have been stated as Region III instead.

L.W.LAFFER,
Lieut-Colonel,
Chief, Util.& Adm. Div.

1 - enclosure
letter 17 Jul 44
file CU-689

341

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

Tel: 489081

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

LWL/mc

ACC/158/PWU

31 July 1944

Subject: Electric Power interruption Crotone Oxygen plant.

To : H.Q. Region VII,: attention Major Chamberlain
c.c. Region III attention Capt. Ryan.

1. Attached is copy of telegram from C.E. Distwo 2 regarding frequent power failures to the Crotone plant which you have already received.

2. This office is also interested in the matter and desires to know the results of your findings and any remedies taken or suggested to improve the situation.

W.M. LAPPER
Lieut-Colonel
Chief, Util.Div.Adm.

1 - enclosure
c.c. telegram 26 July 44.

340

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

GIS

(INT-ACC) P Works 1
(INT) ACC 1
Econ Sec 1
FILE 2
FLOAT 1

INFO - ACTION 2072

1 AUG Recd

N12/01 158 Cab.

P. WORKS + U

Lt Col. Mee 8/9/20 P. Tarkington TP LRKB Ops

LRAK V MEAV NR 0 19/20 IMPORTANT

T/MEAT UVR1 (ROUTINE) T LRKB UVR3 JQX

FROM (CE) DISTWO 2916106

TO ACC REGION VII

INFO 242 GROUP RAF + ACC HQ

RESTRICTED (.) W642 (.)

FURTHER TO MY W639 OF 26 (.) 242 GROUP REPORT INTERRUPTIONS IN ELECTRICITY SUPPLY ON 27 AND 28 JULY (.) SIGNAL IMMEDIATELY ACTION TAKEN (.) ESSENTIAL THAT CONSTANT ELECTRICITY SUPPLY BE MAINTAINED (.) 242 GROUP (.) WILL SIGNAL REMEDIAL ACTIONN AS SOON AS POSSIBLE YOUR O 797 OF 26 AND O 800 OF 26 REFER

THI 1625

COPIED (FEB)

HEADQUARTERS 1 AUG 1944 A.C.

Air Min. Sit. Sum. 31 July 44 Major Gen. Kuter

Lt Col Harper Pls handle Petty 1/8

INFO - ACTION

01+00339

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

0341

LKRT

(ARMY SYSTEM CODE MESSAGE)

MESSAGE FORM

Call | Srl No. 819 | Priority | Transmission Instructions | Register No.

ABOVE THIS LINE FOR SIGNALS USE ONLY

FROM (A) Originator: (CE) DISTWO | Date Time of Origin: 29 1810B | OFFICE DATE STAMP.

For Action

TO: ACC REGION VII

(W) For Information (INFO)

242 GROUP RAF ACC HQ

Originator's No. | Message Instructions: CRX | GR —

RESTRICTED (.) W 842 (.) further to my W 839 of 26(.)242 Group report interruptions on 27 and 28 July(.)signal immediately action taken (.) essential that constant electricity supply be maintained (.) 242 Group (.) will signal remedial action as soon as possible your O 797 of 28 and O 800 of 28 refer

THIS MESSAGE MAY BE SENT AS WRITTEN BY ANY MEANS [ ] EXCEPT [ ] WIRELESS

IF CAUSE TO BE INTERCEPTED OR TO FALL INTO ENEMY HANDS, THIS MESSAGE MUST BE SENT IN CIPHER

DEGREE OF SECRECY

SIGNED [illegible]

SIGNED

IMPORTANT

HQ COMMAND AUG 1944 A.C.

Time: THI or TOR 1852 | System | Op.

Time cleared

338

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

RESTRICTED

1742/17

ACC REGION VII INFO 242 GROUP RAF ACC HQ

22/27

CE PISTWO

RESTRICTED

0839

IMPORTANT

JUL 26

242 GROUP REPORT RAF 30 R AND R UNIT AT CROTONE WITHOUT ELECTRIC POWER FOR 2 TO 4 DAYS PER WEEK. LOCAL OFFICE OF SOCIETA ELETTRICALABRIA STATE ORDERS RECEIVED FROM NAPLES. INVESTIGATE IMMEDIATELY TO ENSURE UNINTERRUPTED SUPPLY TO RAF UNIT. THIS IS IN REPLY TO 242 GP LETTER GRN ET 0 790 OF 26 JULY.

HEADQUARTERS 27 JUL 1944 A. C. C.

ACC DIST

(INFO-ACT)	ECON SEC	3
(INF)	A/CC	1
	File	2
	Fleet	1

Lt Col Kapper
What do you say to this?
27/7

337

RESTRICTED

27 Jul 44

JUL 2709408

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

Tel: 18081

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

LWL/tr

ACC/051/PWU

31 July, 44

SUBJECT : Minutes Meeting No 2 Dist.Elec.
Control Com. 27 July 44

TO : Headquarters Region III,
att/ Capt. Ryan .

1: Your name does not appear on the mailing list for the minutes of meetings and notices of meetings of the above board.

2. The minutes of the meeting of 27 July 44 contain many matters with which you are interested and a copy of this letter is being sent to Lt. Butcher asking that he send you a copy.

3. Also requesting that Lt. Butcher place you on the mailing list for future notices and releases.

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

Copy to: HQ Region II,
att: Lt. Butcher

336

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

LWL/oe

Tel. 478200

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

29 Jul 44

ACC/051/PWU

Subject: Allocation Electrical Rehabilitation
Project - Electric transmission line
Naples - Rome.

To : Finance Sub-Commission, A.C.C.

1. At the request of this Sub-Commission arrangements were made by Finance Sub-Commission to place a special fund at the disposal of the Italian State Railroads in order that they could arrange for the payment of certain costs in connection with the rehabilitation of their electric power transmission line between Naples and Rome.

2. The situation in Rome, as regards the electricity supply, made the completion of the project unnecessary as a military necessity, and this has, therefore, been cancelled by the military authorities, in accordance with instructions contained in the letters.

3. Will you therefore please close out the special fund which was created, advising this Sub-Commission that such action has been taken, in order that our file may be closed.

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

3 enclosures:

Copy Basic Com. 8 March with 2 incls.
" letter 16 June 44 C.G. to CoS. NATOUSA
" " 16 " 44 C.G. to A.A.I.

335

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

Copy

/ce

U.S. SECRET
Equals British MOST SECRET

HQ ACMF (Adm. Echelon)
APO 400

ALH/jra
8 March 1944

SUBJECT:- Allocated Electrical Rehabilitation Project.

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

1. In confdrmity 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

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

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 now 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 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 Italien resources attention is invited to AFHQ Administrative Memo, N° 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 accomodation 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.

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

33

- - - - - - - - - - - - - -

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

Copy

SECRET

/ce

HEADQUARTERS
PENINSULAR BASE SECTION
APO 782

Paraphrase of Radio L-12818 (PBS 21157), Cite SSGDS-217 S, SSQMC,SSSIG, SSENG, SSORD from GG 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 PENBASE 10254, 5 March and SOS radio L-3901, CITE SSENG 116, dated 9 March. You are to inform ACMF Adm Ech 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 ACMF Adm Ech accepts the foregoing conditions and submits a satisfactory plan acceptable to you for their fulfillment, you are authorized to 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-trucks mounted or crawler type cranes are authorized for issue to 345 Eng General Service Regt. As available in depot stocks with miscellaneous small tools as needed. Issues of Ord equipment in excess of TO/E are not authorized. You are to submit additional requirements to this headquarters for approval.

- - - - - - - - - - -

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

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COPY

S E C R E T

HEADQUARTERS
PENINSULAR BASE SECTION
APO 782

AG 675 BPENG

16 June 1944

SUBJECT: Engineer Plan for Rehabilitation of Naples-Rome Transmission Line.

TO : The Commanding General, S.O.S. Natousa, A.P.O. 750, U.S. Army.

1. Reference is made to letter, Headquarters, Peninsular Base Section file number AG 675, 7 June 1944 subject as above.

2. It has now been determined that there is presently or will soon be available to Rome from plants in that vicinity, approximately 38,000 KW of generating capacity as follows, which is considered by me as more than sufficient for military and essential civilian needs:

a. 10,000 KW of diesel engine capacity (of which 5,000 now under repair will not be available until 17 June 1944).

b. 6,000 KW of steam turbine capacity operated with oil fired boilers.

c. 16,000 KW of steam turbine capacity operated with coal fired boilers.

d. 6,000 KW of hydro-electric capacity which will be available on or about 20 June 1944 upon completion of certain line repairs.

3. In view of the foregoing, I have decided that the rehabilitation of the Naples-Rome transmission line is not a military necessity and have issued instructions that it be discontinued. I have so advised the Chief Administrative Officer, A.A.I.

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

S E C R E T

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

Copy

SECRET

/ce

HEADQUARTERS
PENINSULAR BASE SECTION
A.P.O. 782

AG 675 BPENG

16 June 1944

SUBJECT: Allocation of Electric Rehabilitation Project.

TO : The Chief Administrative Officer, A.A.I., C.M.F., A.P.O. 400.

1. Reference is made to following :

a. Letter, Headquarters ACMF (Adm Echelon) dated 8 March 1944 subject as above, allocating the rehabilitation of the Naples-Rome transmission line to the Peninsular Base Section and 1st Indorsement thereon, Headquarters, PBS, file number AG 674 BPENG (8 March 1944) dated 2 April 1944, setting forth to you the conditions under which the Commanding General, S.O.S. Natousa had authorized the Peninsular Base Section to proceed with the rehabilitation.

b. Letter, Headquarters, AAI (Rear Administrative Ech) dated 18 May 1944, advising that conditions imposed by the Commanding General, S.O.S. Natousa were acceptable to you and describing your plan for their fulfilment.

c. Letter, Headquarters P.B.S., file number AG BPENG (30 May 1944) dated 30 May 1944, subject as above, advising you that your plan was acceptable to me and that the work of rehabilitation was under way.

2. It has now been determined that there is presently or will soon be available to Rome from plants in that vicinity, approximately 38,000 KW of generating capacity as follows, which is considered by me as more than sufficient for military and essential civilian needs :

a. 10,000 KW of diesel engine capacity (of which 5,000 now under repair will not be available until 17 June 1944).

b. 6,000 KW of steam turbine capacity operated with oil fired boilers.

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

c. 16,000 KW of steam turbine capacity operated with coal fired boilers.

d. 6,000 KW of hydro-electric capacity which will be available on or about 20 June 1944 upon completion of certain line repairs.

3. In view of the foregoing, I have decided that the rehabilitation of the Naples-Rome transmission line is not a military necessity and have issued instructions that it be discontinued.

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

- - - - - - - -

S E C R E T

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

Ref: AG9681

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

File

FAC/ecb

28 Jul 44

AGO/052/PWU

Subject: Reconstruction of large Power Installations.

To : Regional Engineer, Region IV.
Regional Engineer, Region VIII.

1. The importance of some of the larger generating stations to all of Italy is such that they are not confined to any one region. In view of this, technical guidance for the restoration of the following installations will be directed from this Headquarters:

a. The societa Larderello steam plants as follows:
(i) 50,000 KVA station at Castel Nuovo.
(ii) 105,000 KVA station at Larderello.

b. The Terni Company's hydro plants as follows:
(i) Centrale Galvera, 13,500 H.P.
(ii) Centrale Galleto, 200,000 H.P.
(iii) Centrale Valle and Piediluco, 61,000 H.P.
(iv) Centrale Marmore, 26,000 H.P.
(v) Centrale di Cellestelle, 10,000 H.P.

c. The steam units of Terni will also be directed from this office only to the extent that parts of their facilities are needed for the restoration of the above.

2. Major Robert A. Hall, Engineer of this office, will be the representative, dividing his time between the Larderello and Terni installations. It will greatly assist therefore if your Regional Electrical Officer can keep Major Hall informed (through this office) of any information which may come to hand relating their plants. Major Hall will likewise keep you informed of the progress of restoration work on the above plants.

Capt. LAWTON,
Lieut-Colonel,
Chief, Util. & Adm. Sec.

Copy to file 258.

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

Tel: 469081

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

LWI/ccb

ACC/051/PWU

28 Jul 44

Subject: Rail Services Electric.

To : Transportation Sub-Commission,
att: Lt-Col. L.E. Vining.

1. Reference is made to your letters 30 Jun 44 and 25 Jul 44, file reference Tn/88/49.

2. This matter was taken up with the electrical committee of No. 3 District by Region III. In view of the fact that the electricity supply for South Italy was still short and in view of other essential industrial loads that were due to come on shortly, the committee denied the request for additional power for the railway service for the present.

3. It is suggested that you again initiate the matter during August 1944, requesting the power for September 1944 on the possibility that the situation will have improved.

W.M. LAPIER,
Lieut-Colonel,
Chief, Util. & Adm. Div.

327

Copy to: HQ. Region III,
att: Capt. R.A. Ryan.

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

Tel: 489081

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

LWL/tr

ACC/051/PWU

26 Jul 44

SUBJECT : Portable Electric Power Plants. Italy .

TO : Requisition Division A.C.C.

1. In order to provide emergency electric service to cities and towns in Italy when they are captured from the enemy, it is necessary to make available means of producing electricity pending the restoration of some of the normal sources of supply.

2. The enemy has and is conducting a systematic program of demolition of power plants, substations and transmission lines as they retreat, which, added to the damage done by combat operations leaves at best only a very small amount of electricity in some communities and in many instances none at all.

3. Since water supplies, sewerage, flour mills and other food processing plants are dependant on electric power for their operation ~~the~~ the health and feeding of the civilian population presents grave problems. Hauling of food involves motor transport and any food processing that can be done on the spot makes that much more transport available for other military purposes.

4. Providing portable generating sets will permit the quick restoration of electric power supply at needed locations until damaged transmission lines and substations can be repaired and put back into operation thereby permitting the portable units to be taken to other localities where needed behind the advancing armies.

5. To provide the minimum requirements to carry out the program the following equipment should be obtained. They can be either Gasoline or Diesel driven plants and should be

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

selfcontained units. They should be capable of operating at frequencies of 45 to 50 cycles. The generators should be 3 phase.

Quantity needed	Size
10	100 to 200 Kw
10	300 " 400 "
5 (rail or trailer mounted)	2000 "

Each of above generating units must be equipped with a 3 phase transformer with an output voltage of 9000 volts.

Note: the 5-2000 Kw units can be driven by either diesel engines or boiler and steam turbines.

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

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

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

check with Berry and Renton and discuss and get Lt. Col. Jaffee's OK to c

PORTABLE ELECTRIC POWER UNITS

Lt Col. Martini
Commerce
6th floor annex

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

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

LAJ/gf

ACC/051/PWU

15 July 1944.

TO: Vice President, Economic Section.

PORTABLE ELECTRIC POWER UNITS

Based upon our experience in Sicily we had planned to place requisitions for a number of portable electric power units of from 50 to 500 KW capacity for use on the mainland.

When Lt. Col. Cisler arrived, he advised us that the War Production Board had procured a considerable number of such plants for Russia, also larger plants of about 5000 KW on railroad cars. In addition we were told that larger plants could be had which could be placed on barges and floated to locations such as Rome. We were very much interested in this and had planned to take action, as Lt. Col. Cisler knows.

However, at that time the Electric Power Mission was formed and we had no further responsibility in connection with this matter. Recently this Mission was dissolved, but the overall planning for Electric Power today rests with the Central Electrical Board, with A.C.C. doing most of the work, but with little to say.

We recommend strongly that the following equipment be sent to us as quickly as possible, either from U.S. or U.K.

Portable Gasolene or Diesel Driven Plants

Type	Number
100-200 KW	10
300-400 "	10
2000 "	5

Transformers should be supplied with each unit so that the outgoing voltage is at $ KV. Frequency of 45 to 50 Cycles.

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

323

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

1112 113

HEADQUARTERS
REGION 3, ALLIED CONTROL COMMISSION
APO 394, U.S. Army

20 July 1944

CU-714

SUBJECT: Electricity Supply Foggia Paper Factory

TO : Advance Headquarters Allied Control Commission
Public Works & Utilities Sub-Commission
(Att. Lt. Col. Lapper)

1. Reference is made to the 4th paragraph of your letter of 11 July 1944.

2. Arrangements have been made with the Società Generale Pugliese di Elettricità to connect the Paper Plant of Institute Poleografico dello Stato at Foggia.

R. A. RYAN
Capt. Spec. Res.
South Italy
Electrical Engineer

LJH/pc.

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

File

1.478200

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

LWL/ce

ACC/051/PWU

22 July 44

Subject: Safeguarding Public Utilities.

To : HQ., Region IV.
att: Col. E.J. EDWARDS.

1. Reference is made to your letter 6 July 44 file reference R 4/Eng/93.

2. The use of S.R.E. telephone circuits by signal units was referred to D.D.W., A.A.I. and they have written as per letter attached.

3. Please report any incidents of this nature to D.D.W., A.A.I., with copy to this headquarters.

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

1 enclosure.

321

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

AAI

From Sec (T W/T U)
U-5905
20 JUL Recd
057 KA

Subject :- Use of Power Control Telephone Lines in the ROME Area.

Main Headquarters,
Allied Forces in Italy.

27592

17 Jul 44.

Is that so ?

Signal Officer AAC

1. The Societa Romana di Elettricita has stated that the chief obstacle in the way of the restoration of civilian power supplies in the ROME area is the fact that Power Control telephone circuits are being used by the Allied Forces.

2. Will you please ensure that the minimum of interference is caused to the CPT in order that repairs to the power system may not be delayed unduly.

3. Region IV of the ACC is being asked to supply details of specific cases.

Major General,
Chief Signal Officer.

CAL/AJH.

Copy to:- AC of S of C Italy.
Directorate of Works.
Public Works & Utilities Sub-Commission HQ ACC.

HEADQUARTERS
19 JUL 1944
A. C. C.

By Col Rapper

320

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

PW & U 07 JUL Recd

Econ Sec (P W & U.)

45372

Subject: Telephones - Connections to Power Lines

CCB 051

Directorate of Works
H.Q. A.A.I.,
C. M. F.

2063/DW

14 Jul 44

C.S.O.

1. Attached hereto is a copy of a translation of a letter addressed by Societa Romana di Elettricita to Region IV of the A.C.C.

2. A.C.C. has passed the letter on to this Directorate, asking if any assistance can be given.

3. Could you please arrange, if possible, for the minimum interference to be caused to the Electricity Company in order that repairs to the electrical system may not be unduly delayed. Perhaps some form of certificate as requested in the attachment could be issued to the Company to safeguard its communications ?

HEADQUARTERS
10 AUG 1944
A. C. C.

H.M. O'DONNELL,
Colonel,
for Brigadier,
Director of Works.

Encls.

Copy to : Public Works and Utilities Sub-Comm,
HQ. A.C.C. w/ Acc/051/PWU 7/12 Jul 44.

16 Jul
113

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JEB/es

HEADQUARTERS REGION IV
Allied Control Commission
APO 394

16 JUL Recd
051 CCB.

15th July 1944

MEMORANDUM

TO : Lt. Col. W.B. Lupper.
Electrical Section - Public Works -
Sub - Commission. H.Q. ACC.

SUBJECT: Translation.

FILE NO: R4/ENG/700

As per your request herewith is a translated copy received from the "Terni Co" (Società per l'Industria e l'Elettricità) relating the possibility to increase KWH capacity of Nera Montoro Station, by releasing water from Salto - Turano storage into Nera River.

For the Regional Engineer,

James E. Breth
James E. BRETH,
Lt. Col. INFANTRY
Public Utilities Officer

I. Enclosure.

Lt Col Lupper
This, I understand, will give you more water at the lower plant ?
17/7

Lt Col Lupper
y/s. This is the Power Supervisor
Eng. Branch
Lt Col Breth

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

Inform Major Reuton :-

1 A cable ordering ATS Sicily to arrange for ~~the~~ transportation by plane on Monday has been sent & ATS have agreed to accept cable order.

2 Naval should be consigned 52 C.R.E.

for Lt. Banning

+ a copy of advice sent to C.E. No 3 District

~~3. Major~~

15/15

Maj. Reuton called and info given.

SPY

Cancelled

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

52 C R E

Telephone Exchange

65822

Lt. Canning Nslw

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

SUBJECT: Electricity.

15 JUL Recd
051 Cere.

Ecc Sec (PW+D).

AG Rear Eighth Army.

G4/30

13 Jul 44.

U - 5143

PC Terni Province

copy to: HQ AFC Region IV
Executive Commissioner's Branch
H. Allied Control Commission,
Rosmarie Section, HQ AFC
(Attn. Public Utilities - Lt.Col. Lapper)

1. It is understood that at the Cutifolio di Terni there is a water turbine in operating condition, the generator of which the stator coils have been blown up.

2. It is thought that the generator could be repaired locally and the unit output be brought into the grid system.

3. Would you please arrange for the Chief Electrical Engineer of the Galleto Works of Terni to examine the generator and furnish a report with a view to making use of this unit if possible?

Lt Col Lapper rec'd
14/7

O.K.P.

K.P. 15/7

14 Jul
118

K.P. KANE
Lt. Col.
G Sup O
AG Eighth Army

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Copy

Gen Sec
U-5708
14 JUL Recd
051/Flor

HEADQUARTERS
AMG 5th ARMY
APO 464 U.S.Army

7th July 1944.

SUBJECT: Water and Electricity, Siena. 205/15.

TO : P.C., Siena Province, Region 8, A.C.C.

Since writing our 205/15, dated 6th July, subject as above, Rome Area Command Engineer Supply Services have informed us that there is no power through the network, or motor generator sets, available.

For the Commanding General:

HEADQUARTERS
14 JUL 1944
A. C. C.

D.M. GAITHER,
Capt., CWP.
Engineering Division,
A.M.G. Fifth Army.

315/Misc/2
Lt Col Cooper
Dep 15/7

Copy to:
Engineering Division, Region 8, A.C.C.
Power Sub-Commission, A.C.C.
Engineer Services, Rome Area Command.

14 Jul
Lewp
78

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

13 JUL Recd
051 @ 1.3.

Public Works Activities

11 Cd Wksn
EIGHTH ARMY
CE 1506/03
4 July 1944

104

HEADQUARTERS
4 JUL 1944
C E

U.S., A.A.F.
Def., A.C.I.
C.E., Base Sec Area,
Q.M.C., A.S.F., A.P.O. 470
Engr., U.S.C. (Public Works Sec) A.P.O. 958

Herewith a copy of Drg. No. 11 CE/236 showing Electric Power supply, distribution and power stations in the area round [illegible] and HOPE. This Dwg supersedes & cancels Dwgs. Nos 11 CE/36, 11 CE/62, 11 CE/75 and both will be returned to A.A.F., U.S.A., R.E., and Public Works Organisation.

Lt Col
11 CE Wksn.
EIGHTH ARMY.

AHQ/Adm

Lt Col Rapper

Maj. Roth has
m/p 13/7

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

File Electr

Name Location Operating Co.	Capacity KW.	Fuel nation.	Fuel imported	Efficiency Kg.coal per KWh.	Continuous or standby
Aosta Soc.Naz.COGNE (iron mines) 1929	11.600	blast furnace gas & pulv.coal		- 1 -	Cont. 100.000 KWh.d'y with coal 1/2 nat. 1/2 imp.
Novara EDISON 1909	14.000	naptha (boilers)		- - -	standby
Torino via Bologna S.I.P. 1907	8.000	coal 2/3 nation. I/3 imp.		- 1 -	standby 100.000 KWh. day 25 days
Torino MARTINETTO Az.El.Municipale 1907	17.700	2/3 coal 1/3 pulv.coal-nat.	1/3 nat. 2/3 imp.	- 1 -	200.000 KWh.d'y. 25 days standby
Brescia Soc.El.Bresciana EDISON, 1908	10.500	2/3 coal 1/3 naphta (boilers)		1,2	standby 50.000 KWh.d'y
Milano Porta Volta, EDISON,1897-1922	30.000	1/3 coal, 2/3 nat. 1/3 naphta	1/3 imp.	- 1 -	standby 300.000 KWh.d'y 25 days

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

File Ecole Italy

Capacity KW.	Fuel nation.	Fuel imported	Efficiency Kg.coal per KWh.	Continuous or standby	remarks coal tons per month nat.	remarks coal tons per month imp.
11.600	blast furnace gas & pulv.coal		- 1 -	Cont. 100.000 KWh.d'y with coal 1/2 nat. ½ imp.	1.500	1.500
14.000	naptha (boilers)		- - -	standby	-	-
8.000	coal 2/3 nation. I/3 imp.		- 1 -	standby 100.000 KWh. day 25 days	1.600	800
	2/3 coal ⅔ nat. ⅓ imp.		- 1 -	200.000 KWh.d'y. 25 days		
pale 17.700	1/3 pulv.coal-nat.			standby	3.200	1.600
iana 10.500	2/3 coal 1/3 naphta (boilers)		1,2	standby 50.000 KWh.d'y	1.200	600
1922 30.000	⅔ coal, 2/3 nat. 1/3 imp. ⅓ naphta		- 1 -	standby 300.000 KWh.d'y 25 days	5.000	2.500

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

Name Location Operating Co.	Capacity KW.	Fuel na- impor- tion. ted	Efficiency Kg.coal per KWh.	Continuo or standby
Milano Piazza Trento Az.El.Municipale 1905	32.500	coal 2/3 nat. 1/3 imp.	- 1 -	300.000 KW 25 days standby
Sesto S.Giovanni Corriere Lomb. FALK, 1930	4.000	blast furnace gas		cont.
Turbigo SOC.LOMBARDA (SIP) 1929	30.000	coal 2/3 nat. 1/3 imp.	0,8	400.000 K 25 days
Castellanza Soc.Lombarda (SIP), 1904	30.000	naphta	~~0,9~~	
Bottrighe (Adria) Zuccher.PONTELONGO 1914	3.000	2/3 coal nat. 1/3 naphta	1,1	standby 30.000 K 30 days
Marghera (Venezia) ADRIATICA, 1928	80.000	1/4 coal 1/4 pulv.coal 1/4 naphta 1/4 lignite	0,5 coal 2 - lignite	1.200.000 daily 30 days
Fiume Servizi Munic. 1908	7.700	nat. coal	0,9	82.000 K 30 days continuo

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g Co.	Capacity KW.	F u e l na- impor- tion. ted	Efficiency Kg.coal per KWh.	Continuous or standby	remarks coal tons per month nat.	Imp.
ento icipale	32.500	coal 2/3 nat. 1/3 imp.	- 1 -	300.000 KWh.d'y 25 days standby	5.000	2.500
vanni mb. 30	4.000	blast furnace gas		cont.		
DA	30.000	coal 2/3 nat. 1/3 imp.	0,8	400.000 KWh.d'y 25 days	on the River 5.300	2.700
anza da 4	30.000	naphta	~~0,9~~			
he TELONGO	3.000	2/3 coal nat. 1/3 naphta	1,1	standby 30.000 KWh.d'y 30 days	1.000	
a (Venezia) 1928	80.000	1/4 coal 1/4 pulv.coal 1/4 naphta 1/4 lignite	0,5 coal 2 - lignite	1.200.000 KWh. daily 30 days	lignite 18.000	c.n. 4500 c.imp 4500
nic.	7.700	nat. coal	0,9	82.000 KWh.d'y 30 days continuous	non connected 2.200	

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Name Location Operating Co.	Capacity KW.	Fuel na- tion.	 impor- ted	Efficiency Kg.coal per KWh.	Continuou or standby
Monfalcone OFF.EL.ISONZO 1913	4.000	imp.coal		1,2	standby
Genova CANEVARI Of.El.Genov.EDISON 1896	3.500	coal	1/3 imp. 2/3 nat.	1,4	standby 30.000 KWh 25 days
Sampierdarena-Genova Of.El.Genovesi EDISON, 1903	16.000	coal	1/3 imp. 2/3 nat.	1	25 days standby 100.000 KW
Genova CONCENTER,1929	53.000	coal	2/3 nat. 1/3 imp.	0,6	cont. 1.000.000 L 30 days
Genova CHIAPPELLA State Railway, 1911	5.000	coal		1,3	25 days standby 50.000 KWh
La Spezia v.Pianta IDROEL.LIGURE,1912	11.000	½ coal ½ naphta	1/3 imp. 2/3 nat.	1,8	standby 100.000 KWh 25 days
Savona CIELI-EDISON, 1911	14.000	coal	1/3 imp. 2/3 nat.	1	standby 140.000 KWh 25 days

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e on ding Co.	Capacity KW.	Fuel nation.	Fuel imported	Efficiency Kg.coal per KWh.	Continuous or standby	remarks coal to.per month nat.	imp.
alcone ISONZO	4.000	imp.coal		1,2	standby	has been taken out?	
va RI Genov.EDISON	3.500	coal 1/3 imp. 2/3 nat.		1,4	standby 30.000 KWh.d'y 25 days	700	350
rdarena-Genova Genovesi N, 1903	16.000	coal 1/3 imp. 2/3 nat.		1	25 days standby 100.000 KWh.d'y	1.600	800
va TER,1929	53.000	coal 2/3 nat. 1/3 imp.		0,6	cont. 1.000.000 KWh.d'y 30 days	12.000	6.000
va ELLA Railway, 1911	5.000	coal		1,3	25 days standby 50.000 KWh.d'y	1.100	500
pezia ta .LIGURE,1912	11.000	½ coal 1/3 imp. 2/3 nat. ½ naphta		1,8	standby 100.000 KWh.d'y 25 days	800	400
na EDISON, 1911	14.000	coal 1/3 imp. 2/3 nat.		1	standby 140.000 KWh.d'y 25 days	2.400	1.200

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N a m e location Operating Co.	Capacity KW.	F u e l nat. imp.	Efficienzy Kg.coal per KWh.	Conti or star
Battiferro-Bologna BOLOGNESE (Adriatica) 1899	3.000	coal 1/3 imp. 2/3 nat.	1,4	star 25.000 25
Saiarino (Molinella) Bonifica Reno (Adriatica), 1926	3.700	naphta	0,4	star
Modena Az.Municipale, 1923	3.000 Diesel	naphta	- -	star
Piacenza ADAMELLO-EDISON, 1929	26.000	naphta	- -	cont
Castelnuovo-Sabbioni S.E.VALDARNO, 1906	18.000	lignite region of mines	2,5	cont 300.00 30
Rifredi-Firenze S.E. VALDARNO,1905	8.000	lignite 1/3 naphta 1/3 coal 1/3	2,5 1	star 80.0 25
Livorno S.E.LIGURE-TOSCANA, 1927	42.000	pulv.coal 3/4 nat. 1/4 imp.	0,6	cont 800.0 30

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o.	Capacity KW.	F u e l nat.	imp.	Efficienzy Kg.coal per KWh.	Continuous or standby	Remarks coal t.per month lignite	nat.	imp.
-Bologna driatica)	3.000	coal 1/3 imp. 2/3 nat.		1,4	standby 25.000 KWh.d'y 25 days		600	270
Molinella) o (Adria-	3.700	naphta		0,4	standby			
e,	3.000 Diesel	naphta		- -	standby			
SON,	26.000	naphta		- -	cont.	on the Po River. must have been prepared for using coal		
ro-Sab- NO, 1906	18.000	lignite region of mines		2,5	cont. 300.000 KWh.d'y 30 days	22.000		
irenze RNO,1905	8.000	lignite 1/3 naphta 1/3 coal 1/3		2,5 1	standby 80.000 KWh.d'y 25 days	1.700	700	- -
TOSCANA,	42.000	pulv.coal 3/4 nat. 1/4 imp.		0,6	cont. 800.000 KWh.d'y 30 days		12.000	4.000

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Name location Operating Co.	Capacity KW.	Fuel nat. imp.	Efficiency Kg.coal per KWh.
Piombino FERRIERE ILVA 1904	8.600	blast furnace gas	- -
Larderello SOC.BORACIFERA 1916	50.000	nat. steam	- -
Castelnuovo SOC.BORACIFERA 1916	60.000	nat. steam	- -
Ancona U.N.E.S., 1926	3.700	naphta	- -
Bastardo Pietrafitta ELETTROCHIMICA, 1924	16.300	lignite region of mines	4
Roma, S.Paolo ROMANA, 1911	20.000	pulv.coal 3/4 nat. coal 1/4 imp.	1
Roma-Montemartini A.G.E.A., 1902	25.000	2/3 coal 3/4 nat. 1/4 imp. 1/3 naphta	1

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e on ing Co.	Capacity KW.	F u e l nat. imp.	Efficiency Kg.coal per KWh.	Continuous or standby	Remarks coal to.per Month nat. imp.
no ILVA	8.600	blast furnace gas	- -	cont.	- 3000 -
ello CIFERA	50.000	nat. steam	- -	cont.	- -
nuovo CIFERA	60.000	nat. steam	- -	cont.	- -
, 1926	3.700	naphta	- -	standby	- -
Pietrafitta HIMICA, 1924	16.300	lignite region of mines	4	bad 50.000 KWh.p.day 25 days	lignite 5000
.Paolo 1911	20.000	pulv.coal 3/4 nat. coal 1/4 imp.	1	standby 200.000 KWh.d'y 25 days	3600 1.200
ntemartini , 1902	25.000	2/3 coal 3/4 nat. 1/4 imp. 1/3 naphta	1	standby 200.000 KWh.d'y 25 days	2.400 800

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Name Location Operating Co.	Capacity KW.	Fuel nat. imp.	Efficiency Kg.coal per KWh.	Co st
M. Capuano (Napoli) MERIDIONALE 1926	45.000	naphta	0,6	st
Doganella -Napoli A.E. VOLTURNO 1932	10.300 Diesel	naphta	-	st
Bagnoli (Napoli) FERRIERE ILVA 1911	4.100	blast furnace gas	-	co
Taranto S.G. PUGLIESE 1923	4.300	1/2 coal 3/4 nat. 1/4 imp. 1/2 naphta	1	st 50.0 25

1 ton = 2205 lbs.

lignite	46
nation.coal	69
imp. coal	32

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(6

o.	Capacity KW.	F u e l nat.	imp.	Efficiency Kg.coal per KWh.	Continous or standby	Remarks Coal t.p.m'th nat.	imp.
oli)	45.000	naphta		0,6	standby	- 308	-
oli	10.300 Diesel	naphta		-	standby	-	-
i)	4.100	blast furnace gas		-	cont.	-	-
	4.300	1/2 coal 3/4 nat. 1/4 imp. 1/2 naphta		1	standby 50.000 KWh.d'y 25 days	600	200

1 ton = 2205 lbs.

lignite	46.000	tons	per month
nation.coal	69.000	"	" "
imp. coal	32.000	"	" "

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

14 July 1944.

TO: A.M.G. Public Relations Officer, 8th Army H.Q. 8th Army.

We have received from Major John P. Loscocos photographs showing the destruction of some of the vital electrical plants in 5th Army area. It would be greatly appreciated if we could get photographs showing the destruction of Public Works or Utilities Plants in 8th Army territory if and when you have occasion to have such photographs taken. This would be most helpful to us.

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

Lt Col Rapper
Pls note & file
Raf

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

051 D1

14 July 1944.

TO: Major John P. Leacacos, A.M.G. Public Relations Officer,
5th Army, H.Q. 5th Army.

1. I wish to acknowledge receipt of the photographs which you sent me showing the condition at the Terni and Tivoli Electric Plants. I am extremely grateful to you for sending this information to me as it is most helpful. I shall appreciate it very much if you will be so good as to continue to send me such information if and when you have occasion to take photographs on Public Works or Utility Plants.

2. Thanking you for your very kind consideration,

Very sincerely yours,

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

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

CENTRAL ELECTRICAL BOARD
and
PUBLIC WORKS AND UTILITIES
Functions.

1. The attached Adm. Instruction No.27 indicates the functions of the Central Electrical Board.

2. Although this instruction states that the Board shall carry out certain work in connection with the rehabilitation of Electricity Supplies the companies are in fact directed by Col. Crowdon as to what they are to do, and it is only at very infrequent intervals that the Board meets and discusses plans.

3. The result of this is that A.C.C., the body who are charged with the task of rehabilitation in Italy, are quite unable to function in the Electrical field since the electrical companies are not free to discuss or carry out any advice, guidance or instructions of A.C.C.

4. The C.E.B. is a purely military organisation. It was set up by A.A.I. and can only be considered as taking over functions which should rightly be carried out by A.C.C. It was not set up because A.C.C. could not do the job, but because Col. Crowdon, who headed the Electric Mission, attached to A.C.C. asked for this to be done and in so asking did not work through A.C.C. channels.

5. It is accepted that the armies in the field should carry out first aid work to obtain a quick supply of Electrical Energy where this is possible. This is in fact being done, in conjunction with the A.C.C. Regional Engineers.

6. Beyond this it is considered that the responsibility for rehabilitation should rest entirely with A.C.C., that they should get assistance from the various Army units where it can be shown that a job can be speeded up by the loan of trucks, Engineer units and equipment.

7. The A.C.C. policy is to work through the Italian Government, get them to obtain data and coordinate information obtained from the various Electrical Companies throughout Italy. This arrangement works most satisfactorily and the Government machinery is at present able to let us have a quick picture of the situation together with their recommendations which are discussed with the companies, the Government representatives and our Technical Officers.

8. The A.C.C. Public Works and Utilities Sub-Commission under the direction of Lt. Col. Jenny is the section of A.C.C. responsible for rehabilitation work of all Public Utility and Highway projects. Lt. Col. W. H. Lapper is the Chief of the Electrical Division. A capable Electrical Engineer Officer is attached to each of the Regions for first aid work in the field and to see that the available electricity is given to the essential services.

9. The staff of the A.C.C. Electrical Division at the present time is as follows:-

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HEADQUARTERS

Lt. Col. W. M. LAPPER — Chief, Electrical Division
Major E. J. Barry
Major V. B. Renton
Major M. O. Wooster
Major R. A. Bell
Capt. L. W. Laughlin

REGIONS

Region I	Major A. Crowther	Electrical Engineer South Italy
Region II	Lt. J. W. L. Butcher	
Region III	Lt. P. A. Sbrolla	H.Q. Naples
Region VII	(Reg. Eng).	Capt. R. A. Ryan
Region IV	Lt.Col. J. E. Hreth	Electrical Engineer Central Italy
	Capt. P. D. Ealy	
Region V	Major J. S. Bennett	H.Q. Rome
Region VI	(Reg. Eng.)	Presently co-ordinated from H.Q.
Rome Region	Capt. H. J. Rosson	
	Capt. E. H. Rogers	
	Lt. M. P. Wade-Brown	
Region VIII	Capt. P. R. C. Stephens	

10. Finally it is stressed that the present arrangement whereby (a) the Army commands (b) the C.R.E. (c) the A.C.C. all call on the Electric Power Companies, each giving their various instructions causes a considerable amount of confusion and overloads the companies' staffs with work, at a time when they are already heavily burdened.

It is suggested that it is entirely an A.C.C. function to contact, advise and supervise the Companies.

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A.F.H.Q. Adv. Adm. Echelon,
C.M.F.
19/Q
8 Feb 44

A.F.H.Q. Adv. Adm. Echelon

Adm. Instruction No. 27

A.C.M.F. CENTRAL ELECTRICAL BOARD

---

1. A Board to be known as the A.C.M.F. Central Electrical Board will be established forthwith, to co-ordinate the work of civil and military agencies in the rehabilitation of the electrical power system in all territories which are or will be controlled by HQ, A.C.M.F.

2. The constitution of the Board shall be as follows:-

Chairman: Chief Engineer, A.C.M.F.

Vice Chairman: Colonel James P.Crowdon A.U.S.

Members: Representatives of C.G., P.B.S.
" " D.D.W., A.C.M.F.
" " Chief Commissioner,
Allied Control Commission.

The names of the representatives mentioned above, together with the name of one alternate in each case, will be forwarded to this HQ.

3. The Vice Chairman shall be the Chief Executive of the Board. He will be responsible for ensuring that action is taken in accordance with the decision of the Board. All documents issued by the Board including notices of meetings, will be signed by him.

4. A Secretariat of two officers (one British, one U.S.) and necessary clerical staff will be provided to transact the business of the Board and to carry out detailed planning on its instructions; and additional officer will be appointed to act as Personal Assistant to the Vice Chairman.

5. The Board is empowered to co-opt or to request the attendance of such other technical representatives as they may consider necessary from time to time.

6. The functions of the Board shall be as follows:

(a) To establish plans for the repair of the electric power system in the territory occupied or which may be occupied by A.C.M.F., with a view to meeting essential military and civil needs as effectively and expeditiously as possible.

(b) To allot the work to be done as between the military and civil

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established forthwith, to co-ordinate the work of civil and military agencies in the rehabilitation of the electrical power system in all territories which are or will be controlled by HQ, A.C.M.F.

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Chairman:	Chief Engineer, A.C.M.F.
Vice Chairman:	Colonel James F.Crowdon A.U.S.
Members:	Representatives of C.C., P.B.S.
	" " D.D.W., A.C.M.F.
	" " Chief Commissioner, Allied Control Commission.

The names of the representatives mentioned above, together with the name of one alternate in each case, will be forwarded to this HQ.

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(a) To establish plans for the repair of the electric power system in the territory occupied or which may be occupied by A.C.M.F., with a view to meeting essential military and civil needs as effectively and expeditiously as possible

(b) To allot the work to be done as between the military and civil engineer agencies.

(c) To allocate resources of material and equipment available in the country for the repair and operation of the electrical system.

(d) To advise the military and civil supply services as to the stores and equipment which shall be required and which cannot be obtained from local civil resources.

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(e) To exercise general control over the operation of the power system and to ensure that essential military and civil needs are met with the maximum of economy.

(f) To keep the Electric Power Committee of the Local Resources (Italian) Board informed as to the quantity of electricity available for distribution.

7. The Board will submit their recommendations on matters of policy to the C.A.O., A.C.M.F. and will receive from that officer directions based upon its recommendations. These directions will cover, in particular, policy regarding priority work to be carried out. All policy instructions will be issued through normal staff channels, but executive action on matters which are covered by established policy, will be taken by the engineer agencies concerned, on the basis of decisions reached at meetings of the Board.

8. Although Fifth and Eighth Armies are not represented on the Board, the Board is responsible for establishing the general plan of rehabilitation of the electric system within Army areas and for ensuring that the work done by the engineers of the Armies conforms to the general plan. To this end, the Board will work in close co-operation with the Chief Engineers of Armies, and will, through their Chairman, request the presence of representatives of Armies at their meetings whenever this may appear advisable.

9. Responsibility for the allocation of electric power to the various consumers remains with the Electric Power Committee of the Local Resources (Italian) Board.

Major-General,
Deputy Chief Administrative Officer

BHR/emb

DISTRIBUTION:

Fifth Army (5)
Eighth Army (5)
A.F.H.Q. (30)
1 District (2)
2 District (16)
3 District (5)
P.B.S. (3)
12 A.F.S.C. (3)
15 A.F.S.C. (3)
Chief Commissioner, A.C.C. (2)
Flag Officer, Taranto
Flag Officer, Western Italy
C.E., A.C.M.F.
Col. James P. Crowdon,
c/o C.E., A.C.M.F.
D.D.C.A.O., A.F.H.Q. Adv. Adm. Ech.
D.D.W. " " " "
D.D.C.S. " " " "
D.D.S.T. " " " "
D.D.M.E. " " " "
D.G.M.R.S. " " " "
A.F.L.H.S. " " " "

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

WEJ/ef

AGU/051/PWU

14 July 1944.

SUBJECT: Electrical Supply.
TO : Vice President, Economic Section.

1. Reference letter D.B.C. 483 dated 7 July 44 from Col. Demmore asking for information regarding the supply of Electricity in the forward areas.

2. So far as A.C.C. is concerned, our Regional Engineers in the field do everything possible to carry out first aid repairs to such small plants as can be quickly repaired by obtaining the necessary materials and giving advice to the people concerned.

3. The Public Works and Utilities Sub-Commission keep a close contact with the Field Engineers and Military Authorities, giving assistance in the obtaining of materials and sending out experts from Headquarters when necessary.

4. The Central Electrical Board, of which Lt. Col. Lapper of this Sub-Commission is the representative from A.C.C., make plans for the overall electrification and rehabilitation of Italy and allot the work for carrying out of projects.

5. The Local Resources (Italian) Board, Electrical Committee, A.A.I. allocate the available Electrical energy to the various areas. Lt. Col. Lapper of this Sub-Commission is the A.C.C. representative. Most of the technical work in connection with arriving at what is a proper allocation of energy to each area is carried out by the Utilities Division of this Sub-Commission.

6. Electricity north of Naples is in extremely short supply and the following gives an approximate picture of the position between a line north of Naples/Foggia and the fighting area at the present time.

Item 1.	Plants totally destroyed	603,000 KW
" 2.	Plants which can be repaired in 2 to 3 months	6,500 KW
" 3.	Plants which can be repaired in 3 to 6 months	29,000 KW
" 4.	Plants which can be repaired in over 6 months	35,000 KW
" 5.	Present Available Capacity	56,000 KW

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

7. Item 1. As the Central Electrical Board has decided against the importation of plants at this time, no attempt is being made to manufacture new plants which may have to be manufactured in U.S. or U.K., but dismantling work is being carried out to discover the extent of the damage and to recover any useful plant or equipment.

Item 2 and 3. Work proceeding at full speed by Electrical Companies.

Item 4. Dismantling work proceeding to discover the full extent of the damage.

8. Steps taken to alleviate the position include:

(a) Industry Sub-Commission informed of the serious shortage of power in the Rome area and asked to carry out manufacture in Naples and the south where electricity is still available, and where more can be made available by greater rationing.

(b) Only demands of the very highest priority are being accepted in Central Italy.

(c) Strict Electricity Rationing Scheme is now in hand.

9. A meeting of the Local Resources (Italian) Board Electrical Committee A.A.I. was held today at which the allocation of energy to Rome until the end of August was agreed as 15,500 KW to be imported from Hydro Electric Stations. In addition to this, the Rome Thermal and Diesel plants will continue to supply electricity to Rome.

The total available energy will therefore be

Hydro Electric (Imported)	15,500	
Steam and Diesel	25,000	KW
Present Total Available Energy		40,500
Normal total requirements of Rome were (approx)		100,000

In effect this means that the present position of electricity in Rome will be maintained until the end of August, but the following points should be noted:

(a) Coal supplies must be maintained.
(b) Oil supplies must be maintained.
(c) If Livorno and Firenze are taken with electricity plants destroyed, energy will be diverted to these places and a corresponding reduction made in the imported energy to Rome.

L. A. JENNY, 300
Lt. Col., C.E.,
Director.

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

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

LAJ/ef

ACC/051/PWU

15 July 1944.

TO: Vice President, Economic Section.

PORTABLE ELECTRIC POWER UNITS

Based upon our experience in Sicily we had planned to place requisitions for a number of portable electric power units of from 50 to 500 KW capacity for use on the mainland.

When Lt. Col. Cisler arrived, he advised us that the War Production Board had procured a considerable number of such plants for Russia, also larger plants of about 5000 KW on railroad cars. In addition we were told that larger plants could be had which could be placed on barges and floated to locations such as Rome. We were very much interested in this and had planned to take action, as Lt. Col. Cisler knows.

However, at that time the Electric Power Mission was formed and we had no further responsibility in connection with this matter. Recently this Mission was dissolved, but the overall planning for Electric Power today rests with the Central Electrical Board, with A.C.C. doing most of the work, but with little to say.

We recommend strongly that the following equipment be sent to us as quickly as possible, either from U.S. or U.K.

Portable Gasolene or Diesel Driven Plants

Type	Number
100-200 KW	10
300-400 "	10
2000 "	5

Transformers should be supplied with each unit so that the outgoing voltage is at [illegible] KV. Frequency of 45 to 50 Cycles.

L. A. JENNY
Lt. Col., AGD
Director

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

Econ. Sec (PW+G)

14 JUL Recd
051
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HEADQUARTERS
REGION 3, ALLIED CONTROL COMMISSION
APO 394, U.S. Army

12 July 1944

CU-662

SUBJECT: Electrical Data

TO : Advance Headquarters - Allied Control Commission
Public Works & Utilities Sub-Commission
(Attention Lt. Col. Wm. Lapper)

1. Reference is made to your letters of 6 July 1944 relative to certain load data to be obtained from the S.M.E. Company.

2. I am enclosing herewith the data which you requested.

3. If it meets with your approval I will forward this data to you on approximately the 15th day and the last day of each month.

R. A. RYAN
Capt. Spec.Res.
C.& Util.Section
Region 3

RAR/pc.

Encl. 1

Copy to:
Major Hyland

14/Jul/19

He should be advised that he is "South Italy Area - Electrical Engr"

298 Eng. 14/7

Lets try to build up on that as it will raise the prestige of these area engineers and will define their overall duties not 1 Region, but an Area.

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

File

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

WML/ce

ACC/051/PWU

11 Jun 44

Subject: Electricity accounts.

To : D.D.W.,A.A.I.

1. Attached is a copy of a letter which we have received from the Societa Elettrica della Campania in which they point out their difficulties in connection with the settlement of accounts for electricity supplies.

2. It is understood that energy taken by military establishments is not paid for by the units concerned, but that the amount of energy is noted and the company receive payment from the Italian Government.

3. The companies are finding it increasingly difficult to obtain the access to premises for the purpose of reading meters and also in obtaining a signature from the officer in charge of the premises certifying that the energy has been consumed.

4. It is appreciated that where premises are changing hands frequently from one unit to another, there is likely to be difficulties in an officer certifying the amount of energy consumed, as a quantity may have been taken by previous occupants of the premises.

5. As we are anxious to see that the companies are able to meet their operating expenses, it is requested that where ever possible Army units taking over premises should have the electricity meter read and give a signature to the electricity company for the amount of energy which they consume during their stay.

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

1 encl.

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

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

/ccb

ACC/051/PWU

11 July 44

Subject: Discontinuation of Work on Naples-Rome Transmission Line.

To : A.A.I. Central Electrical Board,
HQ, A.A.I., C.M.F.

The attached correspondence, addressed to this office in error, is passed to you.

W.M. LAPPEN,
Lieut-Colonel,
Chief, Util. & Adm. Div.

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

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

WML/ce

ACC/051/PWU

12 Jul 44

Subject: Safeguarding Public Utilities.

To : Regional Engineer, Region IV.

1. Ref. your letter R4/ENG/93 dated 6 July and the letter from the Società Romana di Elettricità dated 1st July concerning interference with communication circuits by Army units.

2. This matter has been passed to D.D.W., but it is unlikely that he will be prepared to do very much about it.

W.M. LAPPER,
Lieut-Colonel,
Chief, Util. & Adm. Br.

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

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

WML/ce

ACC/051/TWU

12 Jul 44

Subject: Requisitioning of
Electric Light Bulbs.

To : Industry and Commerce Sub-Commission.

1. Ref. your letter ACC/5231/IC dated 3 July 44 and the copy letter and schedule from Requisition Division and referring to supply of electric light bulbs.

2. As electricity is in extremely short supply throughout Italy, it is our opinion that the minimum quantities of electric light bulbs should be requisitioned. This would seem to fit in with the manufacturing side which it is noted that electric light bulbs are in short supply both in U.S. and U.K.

3. It is suggested that all stocks of electric light bulbs throughout Italy be immediately requisitioned and issued on a replacement basis only. If this were done, it may be possible to avoid requisitioning of electric light bulbs at the present time.

W.M. LAFFER,
Lieut-Colonel,
Chief, Util. & Adm. Div.

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

9 JUL Recd
051 R.A.

HEADQUARTERS
ALLIED CONTROL COMMISSION
INDUSTRY & COMMERCE SUBCOMMISSION
APO 394

JC/gs

11 JUL Recd
051. I.C.S.

Ref. ACC/5231/IC

8 July 1944

SUBJECT : Electric Public requirements

TO : Public Works and Utilities Subcommission

1. The attached letter from Requisition Division, reference RD-412-4 dated 7 July 44, with inclosures, is forwarded for your recommendations.

2. It is suggested that your Subcommission is in a better position than Industry & Commerce to determine civilian requirements on the basis of power output.

for
W. F. EVANS
Colonel,
Director, Industry & Commerce
Subcommission

Maj. M.I.S.
Adj.

1 Incl.:
Copy ltr. RD-412-4
from Reg. Div.
dtd 7 Jul 44

Lt Col Rapper

Please handle and prepare reply advising them of procedure necessary and submission to you of requests other than those made of Regional offices

R.A. 11/7

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Copy

ED-412.4 1st Ind. RED/adv
HEADQUARTERS, A.C.C., Requisition Division, 7 July 44.

TO : Director, Industry & Commerce Subcommission.

1. Reference is made to basic communication. Is your letter (a) a request for information, or, (b) a request that this Division submit requisition to G-5, AFHQ?

a. If it is a request for information, the following is offered: electric light bulbs are in short supply in both the U.S. and U.K.; however, requisitions for lamps for essential purposes will be considered, provided complete justifications is given.

b. If your letter is a request that this Division submit requisition to G-5, AFHQ, your attention is directed to Par. 3 of Economic Section letter ES/80 dated 20 April 44, subject: "Notice of the Formation of the Requisition Division," which states: "The Requisition Division will not originate requisitions , as this will be done by regions or the several subcommissions....."

2. Enclosure to basic communication is therefore returned.

3. In the event Industry & Commerce Subcommission desires to submit requisition for electric light bulbs for essential purposes, attention is directed to the following:

a. Requisitions for items such as light bulbs must be submitted on an overall basis.

b. Requisitions for such electrical utilities items as light bulbs should be co-ordinated with other subcommissions concerned.

/s/ R.E.D.
For ROBERT P. KOENING,
Colonel, C.E.
Division Chief.

Enc: Ltr No. 1555 dtd 1 July 44
fr Min ICL (It).

Copy

292

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

Copia

Vietri S.Mare 1 Luglio 1944

Eb/op

ALLA COMMISSIONE ALLEATA DI CONTROLLO
Sottocommissione Industria & Commercio

S A L E R N O
all'attenzione del Sig. Ten. Haase

Servizio Consumi Industriali

4 1555

OGGETTO : Fabbisogno lampadine elettriche.

Continuano a pervenire a questo Ministero numerose richieste per assegnazioni di lampadine elettriche, da parte delle provincie liberate, per i bisogni civili e da parte dei Ministeri per i bisogni propri e degli Uffici dipendenti.

Stante l'attuale assoluta mancanza di giacenze del prodotto in argomento e di fabbriche produttrici di esso nell'Italia liberata, si prega codesta On. Commissione voler esaminare le possibilità di importare in Italia, da altri paesi, il quantitativo di lampadine elettriche risultante, distinto per candelaggio e voltaggio, dall'allegato prospetto.

Il quantitativo indicato nel predetto prospetto è strettamente indispensabile a soddisfare le necessità delle amministrazioni civili e militari, delle ditte industriali e commerciali e della popolazione civile delle provincie sotto la giurisdizione del Governo Italiano.

Questo Ministero prega codesta On. Commissione voler cortesemente far conoscere le determinazioni adottate in merito all'argomento di cui trattasi.

IL MINISTRO
/s/ Illeggibile

Copia

291

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

File

WML/ce

ADVANCE HEADQUARTERS
ALLIED CONTROL COMMISSION
Public Works and Utilities Sub-Commission

ACC/ CAPWU.

11 Jul 44

Subject: Electricity Supplies.

To : Minister of Public Works.
att. Sig. 7133 and. Direttore Generale.

1. Ref. your letter Prot.N.15139/15140 Div.IV^ dated 4 Jul.44 regarding the supply of electric energy in the Communes of Caserta, S.Maria Capua Vetere.

2. This matter has been passed to our Electricity Control Officer for Southern Italy who will examine the possibility of improvement in supply of electricity in the areas which you mention.

3. The Electricity Control Officer for Southern Italy is Capt. RYAN and his office is at the Region III, Headquarters, Naples. It is suggested that the Mayors of the Communes concerned should arrange to call and see this officer and give him every assistance in establishing the priority for the supply.

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

C.C. to Capt. RYAN.

29

8 JUL

Salerno, 4 LUG 1944 194

MINISTERO
DEI
LAVORI PUBBLICI

Prot. N. I5139/I5140 Allegati Div.IV^

OGGETTO

Erogazione energia elettrica a favore dei Comuni di Caserta e Santa Maria Capua Vetere.

Al DIRETTORE
DELLA SOTTOCOMMISSIONE ALLEATA DI CONTROLLO PER I LAVORI E SERVIZI PUBBLICI
N A P O L I

Risposta al foglio del

Div. Sez. N.

e, per conoscenza:

AL SIG. LT.COL.W.M.LAPPER
Capo Divisione Serv.Elettr.ed Amm. della Sotto Commissione Alleata di Controllo Lavori e Servizi Pubblici
N A P O L I

A S. E. IL PREFETTO DI
N A P O L I

AL SINDACO DI
C A S E R T A

AL SINDACO DI
S.M. CAPUA VETERE

****

Con le unite istanze qui dirette, i Sindaci dei Comuni di Caserta e di S.Maria Capua Vetere hanno chiesto l'intervento di questo Ministero perchè sia riattivata la fornitura di energia elettrica, di cui le popolazioni dei suddetti Comuni furono private in seguito alle distruzioni operate dai tedeschi in ritirata.

Si trasmettono le cennate istanze per quelle determinazioni che codesta Sotto-Commissione riterrà di adottare al riguardo.

per

IL MINISTRO

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

Erogazione energia elettrica
a favore dei Comuni di Caser
ta e Santa Maria Capua Vetere.

---

e, per conoscenza:

AL SIG. LT.COL.W.M.LAPPER
Capo Divisione Serv.Elettr.ed Amm. della
Sotto Commissione Alleata di Controllo
Lavori e Servizi Pubblici

N A P O L I

A S. E. IL PREFETTO DI
N A P O L I

AL SINDACO DI
C A S E R T A

AL SINDACO DI
S.M. CAPUA VETERE

^^^^^^^^^^^^^

Con le unite istanze qui dirette, i Sindaci dei Comuni di Caserta e di S.Maria Capua Vetere hanno chiesto l'intervento di questo Ministero perchè sia riattivata la fornitura di energia elettrica, di cui le popolazioni dei suddetti Comuni furono private in seguito alle distruzioni operate dai tedeschi in ritirata.

Si trasmettono le cennate istanze per quelle determinazioni che codesta Sotto-Commissione riterrà di adottare al riguardo.

IL MINISTRO
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M/G

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V. Napoli

Città di Santa Maria Capua Vetere

li 5 giugno 1944

N. 2824

Cat. Classe Fasc.

OGGETTO { Fornitura energia elettrica

17 GIU. 1944
N. Prot. 15140
Classifica V Napoli

Risposta alla nota

N.

Alligati N.

17 GIU. 1944

All'On/le Ministero
Lavori Pubblici
(Commissione Elettricità)
SALERNO

Mi permetto far presente a codesto On/le Ministero il vivo desiderio costantemente manifestato da questa popolazione civile per la fornitura di energia elettrica.

La giusta richiesta della cittadinanza è pienamente giustificata in quanto la interruzione della fornitura della energia elettrica avvenne il 26 settembre ultimo per la malvagità della soldataglia tedesca, che prima di lasciare questo territorio si abbandonò ad atti vandalici di ogni specie.

La popolazione per ben otto mesi soffre la mancanza della illuminazione elettrica ed i disagi sono maggiormente gravi per l'assoluta mancanza di carburanti atti a procurare una qualsiasi modesta illuminazione familiare, tanto necessaria, specie per alcune famiglie che sono tormentate da sofferenze fisiche.

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A più riprese ho rivolte premure alla Società Elettrica della Campania, per riattivare la fornitura, ma ogni mia insistenza è rimasta inevasa, nonostante che la detta Società avesse già provveduto a riparare tutto l'impianto.

Giova far presente che la energia elettrica arriva a questa cabina, ed ho motivo di ritenere che essa potrebbe essere fornita, senza alcuna dif-

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

ficolta a tutti gli utenti e non mi spiego pertanto il costante diniego della suricordata Società.

In accoglimento della giusta richiesta della cittadinanza, mi permetto rivolgere a codesto Ministero caldissima preghiera, per un'autorevole promurono interessamento per quanto innanzi esposto.

Con osservanza

IL SINDACO

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

C V Napoli

Caserta, 6 giugno 1944

MUNICIPIO DI CASERTA

Rip. IV Sez. N. 7415

Risposta al foglio del

Div. Sez. N.

MINISTERO DEI LAVORI PUBBLICI-
=Sezione Elettricità=
SALERNO

MINISTERO LL. PP.
17 GIU. 1944
N. prot. 15139
Class. cat. V Napoli

17 GIU. 1944

OGGETTO: erogazione energia elettrica-

Fin dal settembre scorso, da quando cioè ne fu privata a seguito delle distruzioni operate dai tedeschi in ritirata, questa cittadinanza trovasi priva di energia elettrica. Nè la venuta degli Alleati, i quali provvidero con ogni sollecitudine, nell'interesse delle operazioni belliche, a riparare gli impianti danneggiati, ha, fino ad oggi, mutato la suesposta situazione.

L'interessamento, da quest'Amministrazione ripetutamente prestato, sia presso le competenti Autorità Alleate, sia presso la Società Elettrica della Campania, al fine di eliminare l'inconveniente in parola, non ha, purtroppo sortito alcun esito..

A seguito di quanto finora esposto ed in considerazione dei comprensibili ed urgenti bisogni di questa cittadinanza e, particolarmente, degli ammalati e degli studenti, che, più di ogni altro, hanno bisogno di una illuminazione igienica e sufficiente, mi rivolgo a codesto on/ Ministero, perchè, provvedendo direttamente od interponendo,

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presso chi di ragione i suoi buoni ed autorevoli uffici, risolva una situazione di fatto così incresciosa, che si trascina, tuttavia, da troppo tempo.

IL SINDACO

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

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

WML/ce

ACC/051/PWU

12 Jul 44

Subject: Electricity Supplies.

To : D.D.W., A.A.I.

1. Attached is a copy of a letter which the Società Romana di Elettricità have addressed to our Region IV in connection with safeguarding communication circuits for electricity supplies.

2. It is appreciated that you may not be able to do anything about this matter, but it is passed to you for information.

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

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1 encl.

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JEP/es

HEADQUARTERS REGION IV
Allied Control Commission
APO 394

10 JUL Recd 101. CAB.

6 July 1944

TO : HQ. ACC. P.W. & U. Sub. Comm.
Atten. Lt. Col. Lapper

SUBJECT: Safeguarding Public Utilities

FILE NO: R4/ENG/93

1. It is requested that the Fifth and Eighth Army be requested, thru channels, for action deemed necessary to preclude the possibility of mis-use of public works facilities by troops.

2. As will be seen from the attached letter which is from "Società Romana di Elettricità" public utilities service has been seriously hampered by careless utilisation of facilities by troops.

E. J. EDWARDS,
Col. R.E.
Regional Engineer

Enclosures - 2
Letter from Societa Romana di Elettricita
Translation of the above.

Lt Col Lapper

I think your Board should take action and get A.A.I. to issue orders

285
10/7

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Translated copy

SOCIETA ROMANA DI ELETTRICITA

Ist July 1944

TO : P.U.O. H.Q. Region IV ACC
Corso Italia

The main obstacle to get good and speedly results on our repairing works is due to the frequent interruptions of the phone net.

This is due to the fact that Allied Army soldiers are utilising our lines for their own communications and making interruptions to the phone lines and linking them to their own.

We request, therefore, that the Allied Forces Command should provide our Company of a declaration - to show when necessary - in which it is testified that our phone lines are utilised for the electric installations such as Public Utilities Services, on which the Allied Forces are interested to. And for this reason the phone lines should be respected.

Società Romana di Elettricità

Per azioni - Sede in Roma - C. P. C. Roma N.° 3247

capitale sociale L. 478.500.000 - versato

Servizio Distribuzione Nord (ex Valsinia)

Roma (41) li 1 Luglio 1944

VIA POLI. 14

N.°

P.U.O. Hq Region IV ACC - Corso Italia

L'ostacolo principale al funzionamento dei nostri impianti nel presente periodo di riparazioni e ripresa dell'esercizio è costituito dalle frequenti interruzioni della rete telefonica di servizio, provocate da reparti delle Forze Armate Alleate che sogliono utilizzare per le proprie comunicazioni le nostre linee, interrompendole e allacciandole alle proprie installazioni.

Si chiede - se possibile - da parte del Comando una dichiarazione (che noi esibiremo caso per caso ai reparti di cui sopra) nella quale si attesti che le nostre telefoniche servono per l'esercizio degli impianti elettrici e perciò vanno rispettate essendo adibite a un servizio di interesse pubblico, ivi comprese le Forze Armate Alleate.

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

Roma (47) li 1 Luglio 1944
VIA POLI, 14

N.

P.U.O. Hq Region IV ACC - Corso Italia

L'ostacolo principale al funzionamento dei nostri impianti nel presente periodo di riparazioni e ripresa dell'esercizio è costituito dalle frequenti interruzioni della rete telefonica di servizio, provocate da reparti delle Forze Armate Alleate che sogliono utilizzare per le proprie comunicazioni le nostre linee, interrompendole e allacciandole alle proprie installazioni.

Si chiede - se possibile - da parte del Comando una dichiarazione (che noi esibiremo caso per caso ai reparti di cui sopra) nella quale si attesti che le nostre telefoniche servono per l'esercizio degli impianti elettrici e perciò vanno rispettate essendo adibite a un servizio di interesse pubblico, ivi comprese le Forze Armate Alleate.

AB

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5 JUL Recd
051
JUL Recd
CB051

Napoli, li 1 AUG. 1944

VIA ROMA, 123

SOCIETÀ ELETTRICA DELLA CAMPANIA
PER AZIONI - SEDE IN NAPOLI
CAPITALE SOCIALE L. 110.000.000

N° 299 DG/GV/
DA CITARE NELLA RISPOSTA

Headquarters
Allied Control Commission
Public Works & Utilities

A.P.O.394

PAYMENT OF BILLS FOR ELECTRIC SUPPLIES

It is well-known that our Company supplies electric power for light and industrial appliances in several Allied Units,offices,factories and flats in the areas under its control i.e. Naples province (except the town and its closest districts) and Avellino,Benevento Campobasso and Salerno ones.

For the payments of bills it was told us that the Italian Government was responsible for,trough the Italian Military Engineer Office. This one explained us that if regular contract for electric supply was not drawn up by the military item which was the customer,it was enough to present for the payment our bills controlled and approved by the military unit supplied or by the Allied Office appointed with their control.But in spite of our several pressures no one unit has granted its approval except few and rare occasions and except some unit which kept bills refusing of giving any further explanation on the matter.

Our situation is made heavier by the fact that no one of the contract we have arranged for the signature of Allied customers,has been signed;on the contrary for a big lot of them we are not able to individualize the proper unit,which is the customer,because of present difficulties connected to the military situation.

For said reasons we point out that at the present,we have a credit of L.8.183.741,25 for electricity supplied to Allied items,all bills issued till April 30th,included.Leaving out that we are anxious for the recovery of such a sum which is increasing either for the increase of the number of supplies either for the increase of figures at our credit, we outline that this credit was included in the financial statement we submitted to the Allied Government in order to obtain an increase of our sale rates and it was held in due account when the ACC stated its percentage of increase as an income already in our hands.

We make therefore application to you in order to have your help for the prompt settlement of our credits.

We are waiting for your kind reply and thanking,we beg to remain Sirs,yours truly

SOCIETA' ELETTRICA DELLA CAMPANIA

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TELEGRAMMI: SEDAC - TELEFONO: 20150
C. C. P. N. 6/6099 - C. P. C. N. 2/982

Sedac - Cod. s 7 - 5.000 - Tip. Mario

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

SOCIETÀ ELETTRICA DELLA CAMPANIA

Come è noto, la nostra Società fornisce energia elettrica per illuminazione e per forza motrice ai vari reparti, uffici, industrie, e private abitazioni delle Truppe Alleate dislocate nella nostra zona di influenza (provincia di Napoli - sclusa città di Napoli e comuni immediatamente vicini - provincie di Avellino, Benevento, Campobasso e Salerno).

Per il pagamento delle relative fatture, ci venne a suo tempo reso noto che esso doveva far carico al Governo Italiano, attraverso il Genio Militare. A sua volta il Genio Militare ci riferì che in mancanza di contratti - per fornitura di energia - regolarmente firmati dall' utente alleato, almeno le fatture attinenti alle forniture stesse dovevano essere preventivamente controllate ed approvate dall' utente alleato o dall' ufficio addetto al relativo controllo. Senonchè, malgrado le nostre reiterate pressioni, nessun Ente interessato ha voluto apporre il visto alle fatture di sua competenza, salvo pochissime e rare eccezioni e salvo qualche reparto che alla nostra richiesta del visto, ha ritirato le fatture, senza peraltro dare spiegazioni sullo eventuale seguito della pratica. La situazione è poi aggravata per il fatto che - per la quasi generalità - neppure i contratti da noi predisposti per le singole forniture sono stati firmati dagli utenti Alleati che godono le forniture stesse; anzi per molti di tali contratti siamo addirittura nella impossibilità di provvedere alla relativa intestazione, per la difficoltà - connessa all'attuale situazione militare - di individuare il reparto che utilizza la fornitura.

Ciò premesso facciamo presente che il nostro credito per for-

SEDAC - Mod. S 1 - Stab. Tip. l'Espresso 16.000 3

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

nitura di energia elettrica alle Truppe Alleate ammonta a tutta la fatturazione di aprile a L. 8.183.741,27.

A prescindere dalla entità di tale nostro credito - del cui recupero siamo ovviamente preoccupati - e del continuo aumento delle forniture in oggetto e del conseguente incremento del nostro avere, aggiungiamo che il ripetuto credito è compreso nella situazione finanziaria da noi esposta al Comando Alleato al fine di ottenere la nota perequazione delle tariffe e che di esso è stato tenuto conto nel fissarci la misura dell'aumento delle tariffe, come di reddito già realizzato.

Invochiamo pertanto il Vostro autorevole cortese interessamento al fine di ottenere la pronta realizzazione dei nostri crediti,

Nell'attesa di cortese riscontro e ringraziando in anticipo, salutiamo distintamente.

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

421

AAI FOR CEB AND CAO

AFHQ SIGNED SAC MED CITE FHENG FHGDS
AND FHEGEG
EX67582

REFERENCE STATUS OF MATERIALS FROM AGWAR CABLE WX 51330 DATED 15 JUNE 44. ELECTRICAL STORES ORDERED BY ACC. THIS INFORMATION IS FOLLOW UP TO OUR CABLE F 55225 DATED 5 JUNE 44. ACC REQUISITION 1/17 MISC MILSG ENGR - IV JANUARY 24 ITEMS 1,2 AND 4 HAVE BEEN SHIPPED PARCEL POST. ITEM 3 HAS NOT RPT NOT BEEN SHIPPED ITEMS 5 AND 6 SCHEDULED FOR COMPLETION ON OR BEFORE 31 JULY 44. ENDEAVORING TO MAKE SHIPMENT OF SOME OF THESE TWO ITEMS BEFORE 31 JULY. REQUISITION 5 MISC REQ III - 44 DATED 10 FEBRUARY ITEMS 1 2, 4 AND 10 THROUGH 18 AND 26 THROUGH 28 SCHEDULED FOR COMPLETION EARLY IN AUGUST. ITEMS 3,5,6,21,22,31,39 AND 40 SCHEDULED FOR COMPLETION LATE IN JUNE. ITEMS 9,8,19,20,23,24,25,29 AND/32 SCHEDULED FOR COMPLETION THE MIDDLE OF JULY. AVAILABILTY OF ITEMS 7,30,33 THROUGH 38 NOT KNOWN, ADVICE TO FOLLOW. REQUISITION 2 ENG GEN 44 DATED 12 MARCH 44 UNABLE AT THIS TIME TO ADVISE WHEN MATERIAL WILL BE READY. IT IS ESTIMATED THAT BUSHINGS WILL BE COMPLETED IN SEPTEMBER. DEFINITE DATE TO FOLLOW. SUPPLY FROM BRITISH SOURCES, ADVICE FROM TROOPERS. REQUISITIONS 10 ENG III- 44 OF 29 FEBRUARY AND 13 ENG III - 44 OF 1 MARCH ELECTRICAL BRUSHES ON BOTH REQUISITIONS EXPECTED TO BE AVAILABLE FOR SHIPMENT BY THE END OF JULY 1944. TROOPERS HAS AGAIN BEEN CONTACTED BY CABLE IN AN EFFORT TO EXPEDITE MANUFACTURE AND DELIVERY OF ELECTRIC BRUSHES.

DISTRIBUTION:
(Inf) Econ Sect - 3
File - 2
Float - 2

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

On Det 124 RI
Foto 94

Engt Servei P133 26 Tem

Elect Transmission Line

Marble – Kent

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

Ref. E/O./1.

10 JUL Recd 060. Ce3.

HEADQUARTERS
ALLIED CONTROL COMMISSION
REGION II

Subject: Power situation Pescara Valley.

To : Public works & Utilities Sub. Commission Advanced Headquarters
A.C.C. C.M.F.

Herewith Summary Report on Electric Power situation on the Pescara Valley by Ing. Ortensi of the S.G.P.E. Coy. Bari, a copy of this report has been given to Capt. Clarke Pointer, Provincial Officer C.A.O.-A.M.G. Popoli, but it is not known if he has sent you one.

Lt Col Lappin

Major W. Knight
Regional Engineer, Region II

6. J. 44.

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Incl:

Interesting
R.A.P. 10/7

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

S.M.E.
(Group of Public Electric Service Companies for Central & Southern Italy)

Popoli, June 19, 1944

Subject: - Summary Report on Electric Power Situation in the Pescara Valley--

1 - A first survey has been made throughout the valley in order to ascertain the situation of damages and demolitions made by the Germans to practically all the generating plants and transmission lines existing in the district.

The main plants which were operating in the area are:

The Sagittario Plant - near Scanno
the Gizio Plant - near Pettorano
the Pescara Plant - 1st Stage - near Bussi
the " " - 2nd Stage - near Piano d'Orta
the " " - 3rd Stage - near Alanno
the " " - 4th Stage - near Chieti Station
the Tirino Plant - near Bussi

Other smaller plants were producing power for local consumption near some villages or towns such as the Cooperativa Plant near Pratola Peligna.

2 - Unfortunately none of the visited plants was found in a condition to generate any power at all. The amount of damage to the generators, turbines and hydraulic works is such that no program of quick restoring jobs can be worked out - Even the most favourable estimate of time necessary for repairs amounts to a number of months and, besides, special materials would be required wich should be ordered to specialized manufacturing companies.

Therefore the idea of using electric power generated in some of the plants in the nearby territory to be quickly repaired even in some provisional way, is to be dropped and all the efforts should be made in the direction of restoring transmission lines for making available in this district even small amounts of power coming from the districts south of the Pescara Valley, i.e. Chieti Province or even from the Foggia main substation.

3. - As to the conditions in which the transmission lines crossing this district were found, pending more accurate surveys which have been ordered, it can be said that the very high voltage lines (150 and 88 KV) are all in a very bad shape and considerable time is necessary for the repairs, while a medium voltage (30 KV) line going from Pescara, through Chieti and Popoli, as far as Sulmona and Aquila valley, has been found only partially damaged - At a first judgement, if sufficient number of men will be put at work provided with transportation means, this line from Pescara to Sulmona could be repaired in about two weeks time.

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While the repair work is carried out on the line, an investigation should be made about which transforming substations in each village and town are still in good operating condition so that they could be connected and eventually fed from this line - In case some more important town substations are found damaged, the transformers and switchgear could be quickly removed from less important substations and provisionally assembled in the more important places. -

4. - The problem must then be solved of speeding up as much as possible the work necessary for linking up the 30 KV Pescara- Sulmona line to some line coming from south, which should feed into this 30 KV line.-

As far as we know and while waiting for results of surveys which are under course through mined fields in the recently liberated area south of Chieti, it can be said that there are two possible solutions. -

5. - There were between Pescara and Lanciano a 30 KV line and a 60 KV line which were running parallel but at a certain distance.

Both these lines are expected to be found almost entirely destroyed.-

It is necessary to wait the result of the surveys in order to make an estimate of time necessary for the repairing or rebuilding of at least one of these lines. -

It can be said hwever that if a good number of men will be put at work and suitable transportation means be provided which could enable the collection of the necessary line materials to be taken from the company stores or to be removed from other less important lines, this - - - - - - - - - - Lanciano - Pescara link, about 20 Km. long, could be repaired or reassembled in about one month time.

It is to be considered that there is not much power available at Lanciano - - - - - - but during the same time provisions could be taken and other work could be carried out south of this town in order to increase the power to be transmitted to the Pescara Valley. -

After the surveys have been made and the situation south of Ortona and Lanciano has been re-examined an approximate calculation will be made about how many KW could be made available at the Pescara end of the 30 or 60 KV line .-

6. - There were also two important 150 KV lines between Archi (10 miles south of Lanciano) and the Pescara 3rd Stage plant (Alanno). -

These high voltage lines were both very badly damaged between the Sangro River and Alanno - Several pylons have been mined and demolished and need to be repaired and reassembled - Good quantity of the conductors has been removed by the Germans. -

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If at least one of these two lines will be repaired, which job may require, roughly judging, between two and three months, power could be received at the bus bars of the Pescara 3rd Stage Plant.
There would be then two possibilities -

./.

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

a) Energise the 150 KV Archi - Alanno line at 150 KV and draw power directly from Foggia at said voltage.

b) Energise the 150 KV Archi - Alanno line at 30 KV and draw power either from local sources south of Chieti (for ist. small hydro - stations on the Sangro River) or also from the main Foggia Substation.

Solution 6(a would involve however the repair of at least one 150/25 KV transformer at the Alanno Plant, which transformer could probably be repaired - The time necessary for this work may be of about two months or more - The only advantage of this solution though would be that a greater amount of power would be made available for the Pescara district as the transmission line Foggia - Alanno would be used at full 150 KV voltage.

7 - Conclusion -

There is not much to be counted upon about possible local sources of hydro - electric power in the Pescara valley and therefore in the provinces of Pescara, Aquila and northern part of Chieti province.

The transmission of power from southern sources can be achieved and this could be done with an emergency scheme as described at para. 3 and 5 - This scheme would only provide for a limited amount of power to be distributed to the more important towns on the Pescara valley and possibly along the line Sulmona - Aquila.

One month time is a rough estimate of time necessary to put in operation this emergency scheme.

For a long term program greater quantity of power could be made available in the area by restoring service at one of the Pescara Plant Substations by using the 150 KV line from Foggia to be repaired and by repairing at least one transformer at this substation. -

Any thing between three and four months time is a rough estimate of time necessary for completing this work. This should be carried out however in any case, i.e. while the emergency scheme is also being worked out.

Signed: E.Ortensi C.E.
S.G.P.S. Bari

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A) 150 KV Alanno-Foggia Line - Aluminium-steel core 268 Sq. mm.

Section Alanno - Pretoro

(Report on first survey, handed over to Mr. Ortensi by Pescara 2 personnel on June 22, 44)

- From end pylon at Pescara 3 (Alanno) as far as pylon 4, the line is in good condition.
- From pylon 5 to pylon 39, 33 pylons have been demolished by means of explosive charges applied to two of the four legs at ab. 1,50 meter height - In this section, pylon 11 only is still standing up.
- Due to the falling down, practically all the first sections of pylons are badly bent, and so are most of the second sections and some of the third sections. A good percentage of the brackets is also badly bent.
- In the above mentioned section several stretches of conductor have been removed and in several points the conductors have been damaged (pinched or cut).
- Also several stretches of ground wire are missing.
- Out of 4300 insulator string elements installed, 1700 are broken or missing.
- 51 insulator string protective rings are missing.
- 13 suspension yoke plates are missing .
- About 50 angle iron frames have been removed from various pylons.

B) 150 KV Alanno - Frattamaggiore Line -
Copper 155 Sq. mm.

- 48 pylons have been inspected from Alanno -

  The remainder, 116 pylons, could not be inspected due to the presenc of mined fields along the line route.
- Out of 48 pylons inspected, 43 have been demolished - Most of these have the first, second and in some cases the third section badly ben
- The Anaconda System copper conductors are missing as they have been removed by the Germans.
- Out of 2500 insulator string elements installed, 1074 are broken an 508 are missing.
- Conductor clamps of various types missing: 107 out of 142 installed
- Suspension yoke plates missing: 20 out of 60 installed.
- 13 steel frames missing.

Piano d'Orta, Pescara 2, 22 June 1944

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

JUL Recd
CCB.

AGO/051/PWU

5 July 1944.

SUBJECT: Restoration of Mueller-Tocco Plant near Potenza.
TO : Lt. J. W. L. Butcher, Region II.

1. I received a memorandum from Major Barry regarding your inquiry on the restoration of the above-named plant which was destroyed by the Germans.

2. The Italian law provides for certain restoration costs to be borne by the Italian Government on all war damage in Italy. However, this is purely an Italian matter and will have to be handled through regular Italian channels. The company will, therefore, contact the local Genio Civile on this.

3. Our interest in this plant is only if it is found necessary to rehabilitate it for essential military or civilian needs. If it is required for these purposes we are then interested also in the question of whether or not critical materials are needed.

4. I am referring this memorandum to Lt. Col. Lapper for consideration in connection with the many other rehabilitation problems he is now engaged in, all of which will have to be taken up through the Central Electrical Board if action is desired. In the meantime no action will be taken in endeavoring to obtain ~~fuse~~ valves at Naples.

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

cc to Lt.Col. W. N. Lapper

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Napoli 25 Giugno 1944

457/52 EdM/BDF

Sig. Capitano Lee G. Williams
Official Allied Military Government
Regional Labor Office

ed al Sig. Capitano Scicluna
dell' A.C.C.

N A P O L I

In relazione con l'incontro avuto oggi dal nostro ing. Brun, dal nostro avv. Di Martino e dal nostro ing. Bove presso il Regional Labor Office, cui ha poi partecipato il Sig. Capitano Scicluna dell'A.C.C. - incontro reso necessario dallo sciopero cui, contrariamente alle chiarissime disposizioni contenute nella lettere del Colonnello Poletti, di cui è cenno in appresso, si è lasciato andare una parte del personale operaio della nostra Società, chiariamo quanto segue, secondo quello che ci è stato richiesto.

Il 20 giugno u.s. la nostra Società ha ricevuto l'acclusa lettera dell'Ufficio Regionale del Lavoro (all. n.1), conla quale ci si invita a rimborsare al personale operaio la imposta di ricchezza mobile, ad esso trattenuta sull'aumento del 70% di cui all'O.R. n.2.

Mentre ci accingevamo a disporre presso l'Ufficio competente perchè provvedesse ad impostare i necessari conteggi per i circa 2.000 nostri dipendenti, il personale operaio di Napoli ha richiesto un anticipo di L. 300 sulle somme che, per l'oggetto, sarebbero spettate a ciascuno.

Tale richiesta non era accoglibile per le seguenti tre ragioni:

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457/52 EdM/BDF

Sig. Capitano Lee G. Williams
Official Allied Military Government
Regional Labor Office

ed al Sig. Capitano Scicluna
dell' A.C.C.

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Tale richiesta non era accoglibile per le seguenti tre ragioni:

1) perchè la nostra Società ha avuto, in data 30 marzo 1944, una tassativa disposizione del Colonnello Poletti (all. n.2) con la quale le si vieta di procedere a prestiti, anticipazioni od acconti di qualsiasi genere, nei confronti del proprio personale, senza la preventiva autorizzazione del Comando Militare Alleato; 271

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2) perchè le somme presumibilmente spettanti a ciascuno operaio dovrebbero oscillare solo fra le L.100 e le L. 200 come è facilmente dimostrabile ove si consideri che, in rapporto con la nostra paga media oraria precedente gli aumenti del 70% - e cioè L. 3,47 - il suddetto aumento fu di L. 2,43. Moltiplicando per le otto ore giornaliere e per i 150 giorni costituiti dai primi 5 mesi del 1944 (il mese di giugno verrà regolarmente pagato a norma delle nuove disposizioni) ed aggiungendovi la indennità di presenza, si perviene alla somma imponibile di L. 3.825, sulla quale la R.M. ha importato una tratte-

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nuta di L. 156,06;

3) perchè in ogni caso il rimborso spettante al personale operaio deve essere decurtato di quanto dovuto dagli stessi operai per quote di assicurazioni sociali, di previdenza e di Cassa Mutua di malattia, non trattenute finora proprio sul suddetto aumento del 70%, in quanto solo recentemente è stato deciso che l'aumento stesso dovesse essere considerato come stipendio normale a tutti gli effetti contrattuali? E poichè le percentuali di queste tre trattenute oscillano intorno al 5% (previdenza 2%; Cassa Malattia 1,85%; assicurazioni sociali, mediamente in questo caso 1,15%) è evidente che il debito degli operai per l'oggetto supera di qualche poco il loro credito per il rimborso dell'imposta di R.M., la cui percentuale è solo del 4,08%.

Naturalmente tutti i suddetti conteggi non possono essere fatti che in linea di massima e non sono in grado di tener conto, per assoluta impossibilità pratica, di casi particolari come quelli costituiti da una parte del personale, cui spetta un maggiore rimborso, per il fatto che l'aumento del 70% ha provocato per esso la tassazione di R.M., facendogli superare il minimo imponibile stabilito dalla Legge per la tassazione stessa.

Translation: FP/

To: Mr. Capt. Lee G. Williams
Official Allied Military Government
Regional Labor Office

copy to: Cpt. Scicluna A.C.C.

NAPLES

With reference to the meeting held at the Labor Office to which there were present our eng. Brun, attorney di Martino, and eng. Bove - and to which attended later on Cpt. Scicluna of the A.C.C., we give the full information

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

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Translation: FP/

To: Mr. Capt. Lee G. Williams
Official Allied Military Government
Regional Labor Office

copy to: Cpt. Scicluna A.C.C.

N A P L E S

With reference to the meeting held at the Labor Office to which there were present our eng. Brun, attorney di Martino, and eng. Bove - and to which attended later on Cpt. Scicluna of the A.C.C., we give the full information we were requested for.

Such a meeting was caused by the strike our workmen went on, in violation of the clear directions stated in Col. Poletti's letter with which we shall deal hereafter. 27

On June 20th, our Company received the enclosed lettere from the Regional Labor Office (annex n.1) inviting us to refund to our workers the amounts for income) tax (ricchezzam mobile) deducted from the 70% increase in salaries provided for by Regional Order n. 2.

While we were preparing through our competent Office, the data concerning our 2.000 dependents, our Naples workmen asked for an advance of L.300 on the amounts that for the above reasons were to be refunded.

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Such a request could not be granted for the following reasons:

1) Our Company was ordered by Col. Poletti (annex 2) to give no more loans, advance or credits of every sort to our dependents without A.M.G. authority.

2) The estimated amounts due to each worker are likely of from L. 100 to L. 200. In fact, in relation to our average pay per hour of L. 3,45 before the increase of 70 per cent. such an increase was of L. 2,43. Multiplying the latter by the daily 8 hours of work and by the 150 days of the first five months of 1944 (the June pays will be without deductions) and adding the presence indemnities we reach the rateable value of L. 3.825, from which the whole deductions for income-tax has been of L. 156,06.

3) In any case, from the amounts to be refunded to workers, there must be deducted the amounts due by the workers for social insurance (assicurazioni sociali), contingency funds (fondo previdenza), sickness mutual funds (cassa mutua malattie), which have not yet been deducted from the 70% increase, since only recently it was established that said increase was to be considered as a normal salry and, therefore, subject to all the regulations of the collective contracts.

As the rates of said deductions are of nearly 5% (contingency fund 2%; sickness fund 1,85%, social insurances - average rate - L.1,15%) it is plain that the workers' debt slightly exceedes their credit for income-tax, being the rate of this one of L. 4,08%.

Of course, the above calculations are broad ones, and cannot keep into account special cases ad those of some workers who have a right to a higher reimbursement, having the 70% increase made their income subject to taxation as it exceeded the minimum rateable value.

Believe us

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

HEADQUARTERS
REGION 3, ALLIED MILITARY GOVERNMENT
APO 394, U.S. Army

30 marzo 1944

ALLA SOCIETA' MERIDIONALE DI ELETTRICITA'
Via P.E.Imbriani, 42
N A P O L I

ALLA CONFEDERAZIONE DEL LAVORO
N A P O L I

Follwing articles state our agreement of to-day

1. The amounts so far advanced to the workmen under the form a of food supplies must not te refunded till new orders

2. The Company will grant a loan of L.2000 to each dependent, and up to such amount the Company will supply foog stuffs at any time between from april 1st and may 31st.

   This loan shall not be refunded till new orders.

3. No more, loans advances or credits shall se granted. The previous agreement as to a loan of L.1000 to married dependents and of L.500 to un-married dependents through a cooperative society is cancelled.

4. Strike, or stoppings in work are absolutely forhiddin.

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

Translation

FINANCE MINISTRY - Direct taxation

N. 8681/ A.I.I. Salerno 24/5/44

R.M. CAT. 2 - Aumenti salariali

Alle Intendenze di Finanza
Agli Ispettorati Comp. II.DD.
Bari,Messina?Napoli,Palermo, Sassari

e p.c. Presidenza del Consiglio dei Ministri
Ministero dell'Industria Comm. e Lavoro

VIETRI SUL MARE

Ministero dei Lavori Pubblici

S A L E R N O

With reference to the increase in wages granted last december, it is given notice hereby, that till a new regulation of the whole matter be issued, no deductions for income-tax must apply to the wages. Is is understood that the final settlement of the motter is by no means concerned.

In order to avoid that such a benefit to the workmen be lowered,the employers shall not deduct any amount for income-tax from said increase, and shall refund the amounts abready deducted.

Signed: The state under secretary

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Translation

UFFICIO REGIONALE DEL LAVORO

Naples, June 20th, 1944

= Prot. 4437 - C.A. - VI

Società Meridionale di Elettricità

N A P O L I

copy to = the Works Commission-

In compliance with the provisions provided for by the circular of May 24th, 1944 - copy attached herewith - issued by the Finance Ministry, you are invited to refund to your dependents the amounts for income-tax (ricchezza mobile) so far deducted from the wages increase granted by the Order n. 2 of A.M.G.

For: the Manager
(illegi ble)

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

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CWA/hf

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

ACC/051/PWU

29 June 1944

Subject: Economic situation in R.O.T.

To : Lt.Col. Lapper.

Hereunder for what it is worth, is an extract from a report dated 24 May 44 by Main HQ. Eighth Army. This report was only received in this Office today. It seems to be at variance with other reports received by you.

Electric Power.

(i) End Feb 44. The Thermoelectric sta. at ROME S.PAOLO was working normally, as also the electric sta. at TIVOLI-CASTELMADAMA-SUBIACO-VICOVARO and LE MARMORE.

(ii) End Feb 44. The hydroelectric installations on the PESCARA river are also in good working order, though they have been prepared for demolition. The explosive charges had already been placed in position, but were removed on account of a mutiny among the workmen. (Sources received this information from an engineer att. to this plant. It is confirmed by other refugees).

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

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WMI/ccb

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

1 Jul 44.

ACC/051/PWU

Subject: Electricity.

To : Regional Engineer, Region VIII.

1. We have been asked to let the P.B. S. have any information which we are able to obtain regarding the electricity position at Piombino.

2. Will you treat this as an urgent matter and let me know if there is any electricity available at this port and the approximate amount in kilowatts. Any details you can obtain of the plant will be helpful.

3. It may be necessary to arrange for portable plant to be sent forward, depending on your report.

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

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

GER/ccb

44

ACC/051/PWU

20 Jun 44.

Subject: Transport for S.M.E.

To : Economic Section.

Refce. (1) Discussion with Major Thompson today.
(2) attached letters 10 June and 1 June.

1. I attach copies of letters as follows, which are self-explanatory:-

(a) Extract form Minutes Meeting, C.E.B. 30 May.) Essential to) supply vehicles.

(b) Letter(same date) to Lt.Col Carnes) reference decision) above.

(c) Letter 1 June from Trans. S.C. Applions. to go to Region III.

(d) Letter 1 June to S.M.E. ditto ditto.

2. It seems that the attached letter of 1 June (signed Lt.Col. Smith) was written the day after the C.E.B. meeting, in compliance with extract 1 (a) above.

3. In accordance with 1(d) above S.M.E. has made applications to Region III.

4. Region III has today, by telephone, advised P.W.&U. Sub-Commission, A.C.C., that they are unable to provide the trucks and tyres and notification to that effect is being made in writing to Transportation S.C., A.C.C.

for W.M. LAFFER,
Lieut-Colonel,
Chief, Util & Adm Div.

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EXTRACT from minutes of sixth meeting AAI - C.E.B. 30 May 44 para 3.

The Vice Chairman outlined the position at present prevailing due to the shortage of trucks and miscellaneous material for the operation of the S.M.E. power system. It was agreed by the Board that it is essential that trucks be supplied. Lt-Col. LAPPER informed the Board that ACC have requisitioned a number of civilian lorries for issue to civilian firms in need of them. It was agreed by the Board that Lt-Col. LAPPER should pursue the question of obtaining trucks of good quality through A.C.C. It was also agreed by the Board that Lt-Col. SMITH should take up with "Q" HQ AAI the question of obtaining third class Army trucks until sufficient civilian trucks are available.

Lt-Col. LAPPER informed the Board the A.C.C. now have a retreading tyre factory at work and have arranged with the S.M.E. to retread their old tyres. Lt-Col. LAPPER agreed to pursue the question of tyres and tubes with A.C.C.

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

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WEL/ec

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

AOC/051/PWU 30 May 1944.

SUBJECT : Trucks for Electricity Companies .

TO : Lt. Col. Carnes.

1. A meeting of the Central Electrical Board was held this morning and the question of provision of trucks for the electrical companies was discussed.

2. Major General Coxwell-Rogers, the Chairman, requested that A.C.C. should arrange for the trucks and tyres to be provided to the S.M.E. Company.

3. I informed Major General Coxwell-Rogers that you had the matter in hand and that it was hoped to supply requisitioned civilian trucks and hand them over to the Company at a very early date. The Board considered this to be a most urgent request and that if they could not be supplied by A.C.C. during the next few weeks, A.A.I. should be informed as the electricity supplies throughout Italy would be jeopardized.

4. With regard to the tyres, I informed the Board that you were arranging to supply a limited number of tyres so as to release existing tyres for retreading and it was hoped to carry out re-treading work to meet the Company's requirements.

W.M. LAPPER
Lt. Col.
Chief, Util. and Adm.Div.

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HEADQUARTERS
ALLIED CONTROL COMMISSION
Transportation Sub-Commission (Roads)
APO 394

JJC/re

Tn/193/19

1 June 1944

SUBJECT : Trucks for Electricity Companies.

TO : Public Works and Utilities Sub-Commission ACC HQ.

1. Ref. your ACC/051/PWU dated 30 May'44, and conversation (Lt. Col. W.M. Lapper and Lt. Col. Carnes).

2. It was agreed that all applications by Italian civilian companies for tyres, spare parts etc. to operate their vehicles should be made direct to Region XII HQ.

3. Applications for additional vehicles should also be made direct to Region III HQ.

L.E. VINING
Lieut. Colonel,
Director
Transportation Sub-Commission.

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

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

VML/gf

ACC/893/PWU

1 June 1944

Subject : Supply of Materials.

TO : Societa' Meridionale di Elettricita'.

1. With reference to your recent application to the Central Electrical Board for the supply of materials, trucks, tyres, etc., required in connection with the operation and maintenance of the electrical companies under your control, this request has been passed to the A.C.C. for attention.

2. The arrangement whereby A.C.C. deal with requests for supplies is through their regional organization and it is requested that you now make application to Region 3 A.C.C. for the trucks and tyres which you now require.

3. Region 3 will if you are not able to give you immediate supplies communicate the matter to us when it will receive our attention.

W.M. LAPTER
Lt.Col.
Chief, Util. and Adm. Div.

c.c. to:
Region 3
Lt.Col.Carnes

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

Public Works & Utilities Sub-Com.

Ref. 400/031/2WU of 5th June 1944. addressed to Requisition Division.

Additional information in justification of request for requisitions:

Area served by Soc. Ferr. di Stat.	Whole of provinces of Lecce, Brindisi, Taranto, Bari, Foggia and part of prov. of Campobasso.
Services:	All Industrial, Civil, and Military requirements in above area. (Inc. Military Ports at Taranto, and Brindisi, airfields in Foggia)
No. of Transformers installed:	1014. (Capacity of 87,830 K.V.A.)
Av. number of outages on transformers in about	9 - 10 three phase units Monthly
Av. time to repair one transformer.	2 - 3 weeks.
Available no. of spare transformers now in reserve.	Nil.
No. of damaged transformers now in maintenance shops.	140
Av. No. workshops capable of repairing weekly.	6 - 7. (This figure is getting less each month owing to lack of essential materials.)

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

ACC/051/PWU

6 Jul 44

Subject: Electricity Southern Italy.

To : Capt. RYAN, Region III

1. Attached letters are forwarded to us for your attention :

- 57 Area Electricity Control Sub-Committee, 30 June 44 - Ref:- EA1/20/2,
- correspondence with Lt. BUTCHER, re plant near Potenza,
- copy of letter from Industry and Commerce, dated July 1st, re electricity supplies,
- copy of letter dated 30 June 44, ref.- ACC Tn/88/46 referring to electricity for railway services.

2. These letters have been sent to me from Naples and I will arrange for the future that Rear Headquarters pass all correspondence referring to Southern Italy electrification to you in the first instance.

3. I am anxious to keep closely in touch with everything that is going on in your area and shall be glad if you will keep me posted as to the action which you are taking and submit any matters of policy to me for direction.

4. I am arranging to have the graphical data for the months of June, July and August completed at this Office in Rome and will forward a copy to you. Any information which you have or which you have been in the habit of supplying to us for the compilation of these data should be sent in as soon as it becomes available.

5. I hope that you are now recovered from your illness and that you are now feeling quite fit again.

258

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

Copy to: Public Works & Utilities Sub-Commission, Naples.

Encl.

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

HEADQUARTERS
ALLIED CONTROL COMMISSION
INDUSTRY & COMMERCE SUBCOMMISSION
APO 394

EHEK/jf1

1 July 1944

Ref. ACC/5074/IC

SUBJECT: Fuel and Electricity Requirements - Manifatture Cotoniere Meridionali

TO : Coal Division, Transportation Subcommission
Public Works & Utilities Subcommission

1. Further to this HQ even number of 6 June 44, addressed to Anti-Inflation Subcommittee, copies to Coal Division and Public Works & Utilities Subcommission, subject as above, para. 5.

2. Additional information has now been received in justification of the requirements of Fuel and Electricity detailed in this HQ a/q letter of 6 June, and this is tabulated below:-

a. Coal.

(1) Fratte di Salerno. Two tubular boilers, one coal, one nafta fed.
Heating Surface: 500 sq. meters each.
Steam Pressure: 17 atmospheres.
Economisers fitted.
Coal fed boiler by C.E.F.I.A. Genoa 1935, fitted "Walter" automatic grate and superheater.
Nafta fed boiler by Tosi of Legnano 1925 renovated 1934.

The nafta fed boiler, on account of its age, has been used as a "standby" only - operated only when it was necessary to clean or repair the coal burning boiler, and to attempt to run it continuously would almost certainly, in two or three months, put it out of commission and so compromise the whole production.

The coal fed boiler cannot consume Sardinian coal or Lignite, because of the difficulty of reaching the necessary pressure, and also because the high sulphur content rapidly causes depreciation in the automatic grate and to the fire bricks.

Coal previously used was Cardiff Newport Westphalian or American Pocahontas, New River, etc.

Steam Generation is required for Dyeing, Bleaching, Printing and Finishing, also for feeding & recuperation turbo-alternator of 1200 KW. From October - March a small amount of steam is required for heating purposes.

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(2) Angri. Three coal fed Cornwall boilers of 50 sq. m. heating surface each.
Steam pressure: 6 - 7 atmospheres.
No economizer.

Sardinian coal or Lignite can be used as to one third to two thirds foreign coal. Experience has shown that higher percentage leads to fall in pressure, low evaporation and wear of grates.

Steam Generation required for sizing machines and constant humidity in weaving sheds (1650 looms) to avoid yarn breakage. Also for heating in winter.

(3) Nocera. One Cornwall coal fed boiler.
Heating surface: 90 sq. m.
Steam Pressure: 7 to 8 atmospheres.
No economizer.

Sardinian coal or Lignite can be used as for (2) above, namely: one third.

Steam Generation required for yarn conditioning and for heating.

b. Electricity.

(1) Fratte di Salerno.

160 motors, 2030 HP = 1500 KW.
For all bleaching, dyeing, printing and finishing machinery and ancillary equipment.

(2) Angri. For preparatory and weaving machinery (1650 looms).
39 Electric Motors, 1006 HP = 740 KW.

(3) Nocera. 390 Electric Motors, 3000 HP = 2208 KW.
For driving, spinning and doubling power, 72700 spinning spindles, 10000 doubling spindles.

3. Extensive requisitions for raw cotton, ancillary materials and spare parts have been forwarded for submission to CCAC. If these are filled in whole or in part, provision of the necessary motive power and process steam will be essential if the program of production is to be maintained.

4. For your consideration please, and allocations in due course.

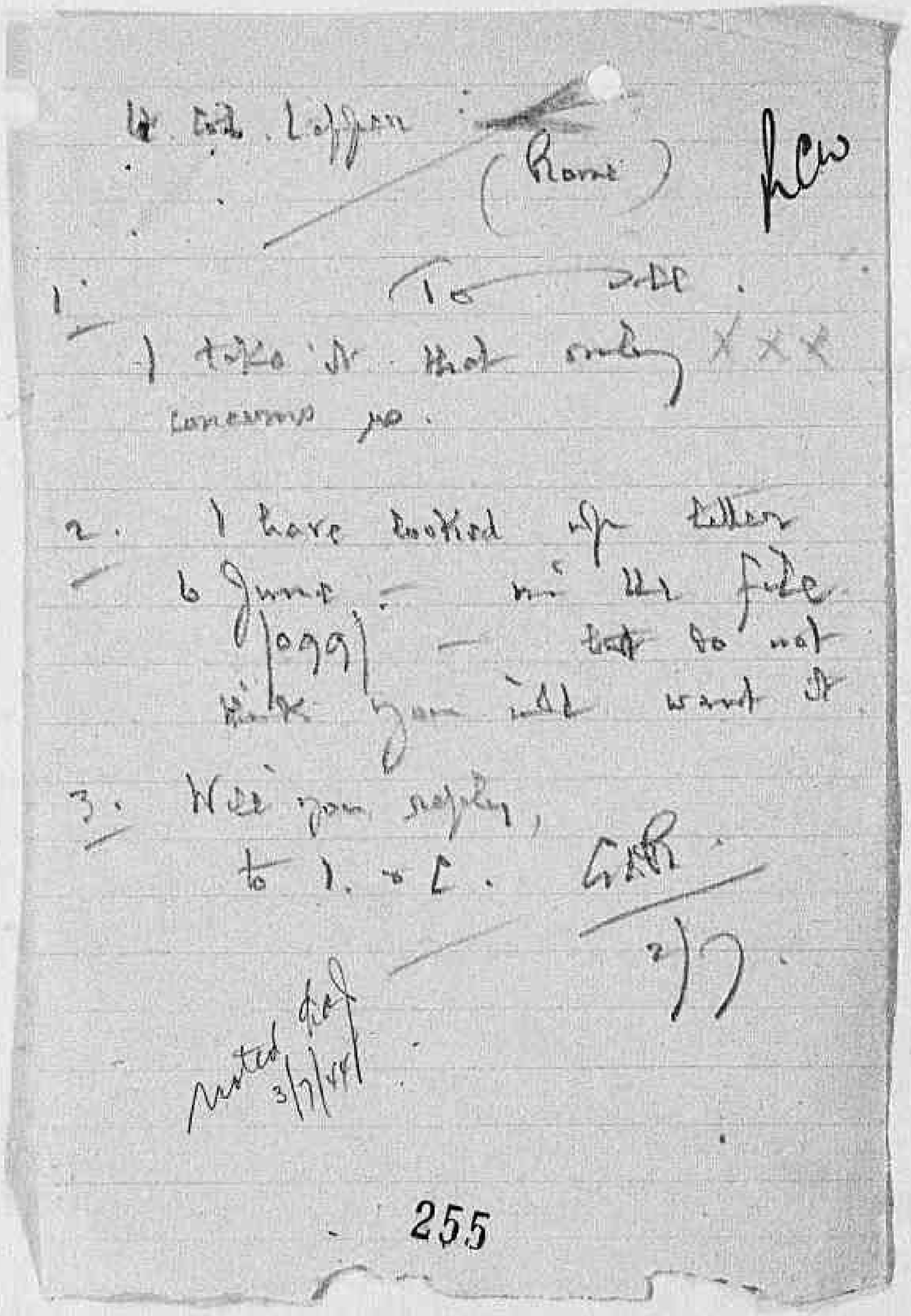
W. P. EVANS
Colonel
Director, Industry & Commerce
Subcommission

Copy to File No. 5074/1

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

C.

4 July

To: Lt. Col. Lafisher
Capt. Laughlin

Fids
Electronics Inst

1. The Base Eng. Giuseppe Cerri, Via Flaminia 160 has detailed construction course on large hydro electric installations.

2. He might possibly be used on the San Vincenzo project during the construction stage.

Capt H. J. Person

Memorandum of Conversation Relative
Ken Vettori Vasetto

254
Ferr

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

ALLIED MILITARY GOVERNMENT

Inter Office Memo. 7 June 1944.

From: Public Works and Utilities Sub-Commission.

ACC/051/PWU

SUBJECT: Electricity.
TO : Central Reference Library.

We are returning herewith our charts of Electricity Control Data brought up to date.

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

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

CWA/mc

5 Jun 1944.

ACC/051/PWU

Subject: Materials for transformer repairs Region II.

To : Requisition Division.

The Società Generale Pugliese di Elettricità Bari, is rapidly getting into a critical condition with regard to repairs to transformers. Owing to lack of indispensable materials repairs to damaged transformers including the rewinding of H.T. coils, etc. are lagging behind the number of transformers actually required for the connection of new military loads and for replacement of damaged ones in existing substations.

Set out in the attached list are the minimum essential quantities urgently needed. May they be requisitioned please ?

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

Copy to Lt. J.L. Butcher.

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COPY

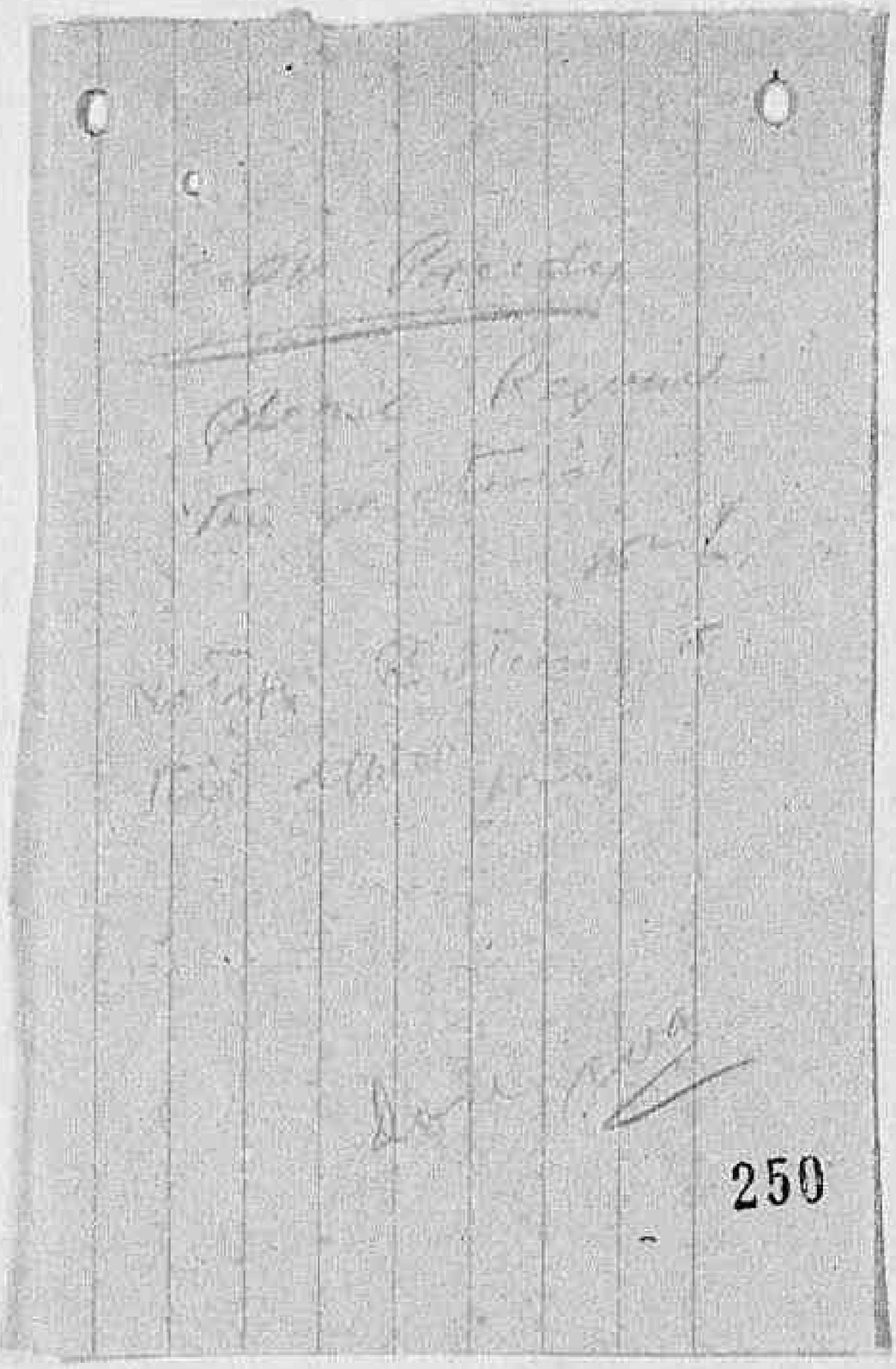
SOCIETA' GENERALE PUGLIESE DI ELETTRICITA'

Bari 27 Mag. 1944

a)	Double cotton covered copper wire Ø 2.5/10 mm. (ab.gage No. 30 A.W.G. commercial size 10.0 mils dia.)							120	lbs.
b)	As above	3/10	mm.	(N.	28	AWG-c.s.	12.6 mils dia.)	120	"
c)	"	3,5/10	"		27	"	14.2 " "	200	"
d)	"	7/10	"		21	"	28.5 " "	100	"
e)	"	8,5/10	"		19	"	36.0 " "	100	"
f)	"	9/10	"		19	"	36.0 " "	120	"
g)	"	9,5/10	"		19	"	36.0 " "	120	"
h)	"	10/10	"		18	"	40.0 " "	200	"
i)	"	10,5/10	"		17	"	45.0 " "	200	"
l)	"	16/10	"		14	"	60.0 " "	200	"
m)	"	19/10	"		12	"	80.0 " "	160	"
n)	"	32/10	"		8	"	120.0 " "	200	"
o)	Double cotton covered copper strap 10 x 5 mm. (ab; 4" x 2")							200	"
p)	As above (ab.2" x 1")						5 x2,5 "	100	"
-	Fullerboard mm.1/10 (ab. 4.0 mils) tnich							200	"
-	"		"1,5/10(ab. 6.0 mils)				"	200	"
-	"		2/10(ab. 8.0 mils)				"	100	sheets
-	Insulating cotton tape 3/8" vide							3.000	yards
-	"	"	"	5/8"	"			3.000	"
-	"	"	"	3/4"	"			10.000	"
				1"	"			10.000	"
				1 1/4"	"			5.000	"
-	Sterling Varnish (Clear) to be baked (not) air drying for treating transformer coils							200	lbs
-	Solvent for above said Sterling Warnish (Clear)							100	"
-	Bakelite Shellac (synthetic) or equivalent Orange shellac (liquid)							200	"
-	Tin (pure)							100	"
-	L.T. Porcelain type transformer bushing similar to attached dwg.							No. 30	
-	H.T. Porcelain type transformer bushing similar to attached dwg.							No. 50	
-	H.T. Porcelain type transformer bushing similar to attached dwg.							No. 50	

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HEADQUARTERS
ALLIED CONTROL COMMISSION
REGION II.

12 JUN 44

051
R Co

SUBJECT:- Materials.

To: Public Works & Utilities Sub- Commission HQ, A.C.C.

1. The attached letter from the S.G.P.E. Coy, and list of materials for transformer repair works, is forwarded for information and necessary action.

2. It isfelt however, that at the present time these materials although undoubtably required, are not vital to the war effort.

For the Regional Commissioner.

Lieut.
Public Works & Utility Officer.
Region II.

29 May 44.

Gen
2/6.

Lt Col Rapp

Please review and let me have your views on this subject.

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2/6

BEST COPY POSSIBLE

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

C. P. C. Napoli 24475 - C. P. C. Bari 5208

SOCIETÀ GENERALE PUGLIESE DI ELETTRICITÀ

Anonima con Sede in NAPOLI - Direzione Generale in BARI

Capitale Sociale L. 100.000.000

Bari (16), Via Giuseppe Sippo, 5 — 27 MAG 1944

N. 305-82 Riferimento a N. ...

da citare nella risposta

ST.EO/ac.

MAJ. C. K N I G H T

Senior Supply Officer - Apulia

A.C.C.-Bari-Palazzo del Municipio

OGGETTO Materials urgently needed for transformers repair work

The general situation of our company as far as available transformers for the connection of new military loads and for replacement of damaged transformers in the existing substations, in all of the Puglia region as well as in U.N.E.S. Co. aera (north of Foggia Province), is becoming more and more critical. -

The total number of installed transformers in the above mentioned subs tions is 1014, including the pole mounted ones, with a total installed c city of 87,830 KVA. -

The average number of outages on transformers is of about 9 + 10 thr phase units per month. -

The average time the repair operations of one transformer ranges be two and three weeks, including removal and transport time. -

The available number of spare transformers to be kept as a reserve when a fault occurs in a substations is actually now zero, which means that in any case of trasformer failure in a substation, we are not in a position to resto re the service in that substation before a very long time. -

The number of damaged transformers which we have in our maintenance shop to be repaired his reached now the figure of 140 threphase units. -

The average number which we can repair now is about 6 to 7 per month, name ly much less than the number of fautly ones which monthly are brought in the shop. -

The number of transformers which we can repair is going down every month due to lack of indispensable materials for such repairs which include the rewinding of a certain number of H.T. coils, the treatment of such coils with special insulating varnish to be then baked, the rebuilding up of insulating partis etc. etc. -

This very critical situation could be helped considerably and the number of transformers repaired could be nearly doubled if a certain quantity of necessary materials coul be obtained. -

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We are specifying here below a list of materials most urgently and assentially needed, with quantities which would iust be sufficient for improving the number of damaged transformers to about 50% of the actual figure.

Telegrammi: ELETPUGLIA - BARI

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

27 MAG 1944

Spettabile Ditta

a)	Double cotton covered copper wire Ø 2.5/10 mm. (ab. gage No. 30 A.W.G. commercial size 10.0 mils dia.)						120	lbs.
b)	As above	3/10	mm.	(N. 28 AWG-c.s.	12.6	mils dia.)	120	"
c)	"	3,5/10	"	27 "	14.2	" "	200	"
d)	"	7/10	"	21 "	28.5	" "	100	"
e)	"	8,5/10	"	19 "	36.0	" "	100	"
f)	"	9/10	"	19 "	36.0	" "	120	"
g)	"	9,5/10	"	19 "	36.0	" "	120	"
h)	"	10/10	"	18 "	40.0	" "	200	"
i)	"	10,5/10	"	17 "	45.0	" "	200	"
l)	"	16/10	"	14 "	60.0	" "	200	"
m)	"	19/10	"	12 "	80.0	" "	160	"
n)	"	32/10	"	8 "	120.0	" "	200	"
o)	Double cotton covered copper strap 10 x 5 mm. (ab. 4" x 2")						200	"
p)	As above (ab.2" x 1")					5x2,5 "	100	"
-	Fullerboard mm. 1/10 (ab.4.0 mils) thich						200	"
-	" "1,5/10 (ab.6.0 mils) "						200	"
-	" 2/10 (ab.8.0 mils) "						100	sheets
-	Insulating cotton tape 3/8" wide						3.000	yards
-	" " " 5/8" "						3.000	"
-	" " " 3/4" "						10.000	"
					1" "		10.000	"
					1 1/4" "		5.000	"
-	Sterling Varnish (Clear) to be baked (not) air drying for treating transformer coils						200	lbs
-	Solvent for above said Sterling Warnish (Clear)						100	"
-	Bakelite Shellac (synthetic) or equivalent Orange shellac (liquid)						200	"
-	Tin (pure)						100	"
-	L.T. Porcelain type transformer bushing similar to attached dwg.						No. 30	
-	H.T. Porcelain type transformer bushing similar to attached dwg.						No. 50	
-	H.T. Porcelain type transformer bushing similar to attached dwg.						No. 50	

We would very much appreciate any assistance which could be given by you obtaining such materials which are at present the main difficulty to the problem of insuring the continuity of service in all this part of the country. -

Thank you very much. -

Very truly yours,

SOCIETÀ MERIDIONALE PUGLIESE DI ELETTRICITÀ

mjy

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

HEADQUARTERS
ALLIED CONTROL COMMISSION
ECONOMIC SECTION
APO 394

DSA/ml

5 JUN Recd

051 Rec

ES/15

4 June 44.

SUBJECT : Central Electrical Board.

TO : Executive Commissioner.

Forwarded, inviting attention to attached letter relating to C.E.B. As this involves a matter of personnel and transportation which are, of course, matters for your action and not for action of Economic Section, request that this be handled direct with C.E.B.

D. S. ADAMS
Colonel, C.E.
Executive Officer,
Economic Section.

Incl: Public Works & Utilities
Sub-Commission letter ACC/051/PWU
dated 2 June 44.

Copy to:
Public Works & Utilities Sub-Commission.

Lt Col Rhodes
Kapper

Pls. note action taken on Generals segment. Am it result.

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File 27

LWL/in

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

ACC/051/PWU 3 June 1944

Subject : Electric Power - 1315 KVA Thermal generating Station at Soc. Cellulosa d'Italia, CAPUA.

TO : P.B.S. Engineer Section
ATT: Lt.Col. Cooley.

1. Attached, for your information, is a report on the electric power plant located in the Cellulosa plant of Capua.

W.N. LAPPER
Lieut-Colonel
Chief, Utilities & Admin. Div.

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

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

HWW/lp

ACC/051/PWU 5 June 1944

Subject: Electric Power - 1315 KVA Thermal generating Station at Soc. Cellulosa d'Italia, CAPUA.

To : Lt-Col. W.M. Lapper, Chief of Public Utilities & Adm. Section, Public Works Sub-Commission ACC.

From : Major H.W. Westwood.

Ref. letter ACC/5108/IC of 24 May 44, from Industry and Commerce Sub-Commission to Public Works and Utilities Sub-Commission.

In accordance with instructions an inspection was made on the 30 May 44 of the plant in the power house of the Soc. Cellulosa d'Italia at Capua. It appears to be quite new, but has suffered some damage , both as the result of deliberate sabotage and of bombardment. It is doubtful whether the installation has ever operated. In some respects it appears incomplete.

The extensive factory premises are in military occupation, one portion being held by a R.E. Workshop Unit and the remainder being used as storehouses by an American Quartermaster Company. The ground-floor of the power house is at present used by the latter as a flour store. The boilers, generator set and control panels are all at first floor level, and are "out of bounds" to all ranks.

The following details were derived from a somewhat cursory examination of the installation. The plant comprises the undermentioned main items.

BOILERS

Two FRANCO-TOSI (Legnano) high pressure water-tube boilers, with chain Crate stokers, ash hoppers (discharging into skips beneath), and forced draught. Details inscribed on the turbine indicate that the boilers are equipped with superheaters. There are no air pre-heaters and I was unable to determine whether "economisers" were incorporated.

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Information inscribed on the turbine indicates that the boilers operate at critical temperature. It is evident that they are absolutely new and of advanced design. They appear to be undamaged except in one respect: the chain grates have either been completely demolished or have never been assembled. Component castings and some refractory material are lying in heaps both furnaces. The sprockets of each stoker are intact and the propulsion gear appears to be undamaged.

Six large reinforced concrete vertical fuel hoppers are incorporated in the upper part of the boiler house, but there are no mechanical means of conveyng the fuel from the hoppers to the furnaces. Neither are there means of elevating fuel to the hoppers, the outlets of which are about 80 feet above ground.

The walls of the boiler house have suffered some structural damage, and the glazing of all roof lights and windows has been destroyed by bombardment.

TURBINE

One FRANCO-TOSI (Legnano) high pressure steam turbine, with reduction gear.

Kw. Rating 900/1050
RPM 7796/1350
Inlet pressure: Kg/cm.q.eff.32 (i.e.455 lb/sq.in.)
Temperature: 350° C (i.e. 662° F)
Exhaust pressure: Kg/cm.q.eff.2 (i.e.28 lb/sq.in.)
Pattern: 2395
Year of manufacture: (1942)

The turbine and reduction gear appear to be generally in good order, apart from damage to some small bore tubing and valves.

ALTERNATOR

One three-phase, 45 cycle, alternator by ERCOLE MARELLI & C. S/A (MILANO)
(Order 34012. N°606035. Type SG 1414 Tc)
KVA Rating 1315
Power Factor 0.8
Rating:- Continuous.
VOLTS: 450
AMPS : 1685
CONNECTED (star)
FREQUENCY: 45 cycles
R.P.M. 1350

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EXCITATION VOLTS: 40
" AMPS: 180

Apart from the absence of all carbon brushes on the collector rings, the alternator appears to be complete and unharmed.

EXCITER

Direct connected self-excited D.C. generator, also by MARELLI.
(Order : 34012. N°60635 type MCL 26 b)
KW.8

RATING: CONTINUOUS

VOLTS : 40
AMPS : 200
R.P.M. : 1350

Apart from minor damage to the brush springs and the absence of some of the carbon brushes, the exciter appears to be complete and unharmed.

CONTROL PANELS

The control panels have suffered from blast, splinters and either pilfering or "cannibalisation". The total length of panel face is about 55 feet.

A number of ammeters and KWH meters have been removed or broken: but the following remain and appear to be undamaged:

7 ammeters (0-2,000 amps)
11 ammeters (0-600 amps)
32 KWH meters (V $\frac{450}{100}$ A $\frac{600}{5}$ Freq. 45 cycles

One three-phase, 45 cycle KWH meter for unbalanced loads on three wire system.

(V $\frac{450}{800}$ A $\frac{2000}{5}$). The present reading of this main output meter is only 2,700 KWH.

All switches appear to be in good order apart from broken "bakelite" levers.

LOCATION OF POWER STATION

The approximate situation of the power house is shown on the accompanying sketch plan. It is South of CAPUA

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and almost adjacent to the bridge which carries Route N°7 over the railway. Map Reference: N°1877, on Sheet 19 of 1:200,000 road map. (First Edition-AMS2).

R.W. WESTWOOD
Major R.E.

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

Could [illegible]
Suppose HQ - a copy of this
be sent to Lt Col Copley
and CE 03 for information
Low 4 HWW/in

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

ACC/051/PWU 2 June 1944

Subject : Electric Power - 1315 KVA Thermal generating Station at Soc. Cellulosa d'Italia, CAPUA.

TO : Lt-Col. W.M. Lapper, Chief of Public Utilities & Admin. Section, Public Works Sub-Commission ACC.

From : Major H.W. Westwood.

Ref. letter ACC/5108/IC of 24 May 44, from Industry and Commerce Sub-Commission to Public Works and Utilities Sub-Commission.

In accordance with your instructions, I visited Capua on 30 May and made an inspection of the plant in the power house of the Soc. Cellulosa d'Italia. It appears to be quite new, but has suffered some damage, both as the result of deliberate sabotage and of bombardment. I very much doubt whether the installation has ever operated. In some respects it appears incomplete. (infra)

The extensive factory premises are in military occupation, one portion being held by a R.E. Workshop Unit and the remainder being used as storehouses by an American Quartermaster Company. The ground-floor of the power house is at present used by the latter as a flour store. The boilers, generator set and control panels are all at first floor level, and are "out of bounds" to all ranks.

The following details were derived from my hasty and somewhat cursory examination of the installation. The plant comprises the undermentioned main items, together with some subsidiary equipment regarding which I can offer no

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

reliable information:-

BOILERS

Two FRANCO-TOSI (Legnano) high pressure water-tube boilers, with mechanical stokers (endless fire- bar belt), ash hoppers (discharging into skips beneath), and forced draught. Details inscribed on the turbine indicate that the boilers are equipped with superheaters. There are no air pre-heaters and I was unable to determine whether "economisers" were incorporated.

Information inscribed on the turbine (see translation below) indicates that the boilers operate at critical temperature. It is evident that they are absolutely new and of advanced design. They appear to be undamaged except in one serious respect: the moving fire bars have either been completely demolished or have never been assembled. Component castings and some refractory material are lying in heaps in both furnaces. The sprockets of each stoker are intact and the propulsion gear appears to be undamaged.

Six large reinforced concrete vertical fuel hoppers are incorporated in the upper part of the boiler house but I could see no mechanical means of conveying the fuel from the hoppers to the furnaces. Moreover, I could see no means of elevating fuel to the hoppers, the mouths of which are about 80 feet above ground.

The walls of the boiler house have suffered some structural damage, and the glazing of all roof lights and windows has been destroyed by bombardment.

TURBINE

One FRANCO-TOSI (Legnano) high pressure steam turbine, with reduction gear.

Power Rating: KW 900/1050

RPM 7796/1350

Inlet pressure: Kg/cm.q.eff.32 (i.e.455 lb/sq.in.)

240

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

Temparature: 350° C (i.e. 662° F)

Exhaust pressure: Kg/cm.q.eff.2 (i.e.28 lb/sq.in.)

Pattern: 2395

Year of manufacture: XXEF (i.e. 1942)

The turbine and reduction gear appear to be generally in good order, apart from damage to some small bore tubing and valves (the purpose of which I could not determine).

The turbine appears to exhaust to atmosphere (I could see no condenser); and I presume that this statement is supported by the exhaust pressure noted above.

ALTERNATOR

One three-phase, 45 cycles, alternator by ERCOLE MARELLI & C. S/A (MILANO).

(Order 34012. N°606035. Type SG 1414 Tc)

KVA: 1315
Cos ø 0.8.

Rating:-Continuous.

VOLTS: 450

AMPS: 1685

CONNECTIONS: ⅄ (star)

FREQUENCY: 45 ∼

R.P.M. 1350

EXCITATION VOLTS: 40

" AMPS: 180

Apart from the absence of all carbon brushes on the slip rings, the alternator appears to be complete and unharmed.

EXCITER

Direct-coupled self-excited D.C. generator, also by

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MARELLI.

(Order: 34012. N° 60635 type MCL 26 b)

KW. 8

RATING: CONTINUOUS

VOLTS : 40

AMPS : 200

R.P.M. : 1350

Apart from minor damage to the brush springs and the absence of some of the carbon brushes, the exciter appears to be complete and unharmed.

CONTROL PANELS

The control panels have suffered from blast, splinters and either pilfering or "cannibalisation". The total length of panel face is about 55 feet; a fact which may convey some idea of the amount of equipment.

A number of ammeters and KWH meters have been removed or broken: but the following remain and appear to be undamaged:

7 N° ammeters (0-2,000 amps)

11 N° ammeters (0-600 amps)

32 N° KWH meters (V $\frac{450}{100}$ A $\frac{600}{5}$ Freq. 45)

One three-phase, 45 cycles, integrator for unbalaced loads on three wire system.

(V $\frac{450}{800}$ A $\frac{2000}{5}$). The present reading of this main output meter is only 2,700 KWH.

All switches appear to be in good order apart from broken "bakelite" levers.

238

LOCATION OF POWER STATION

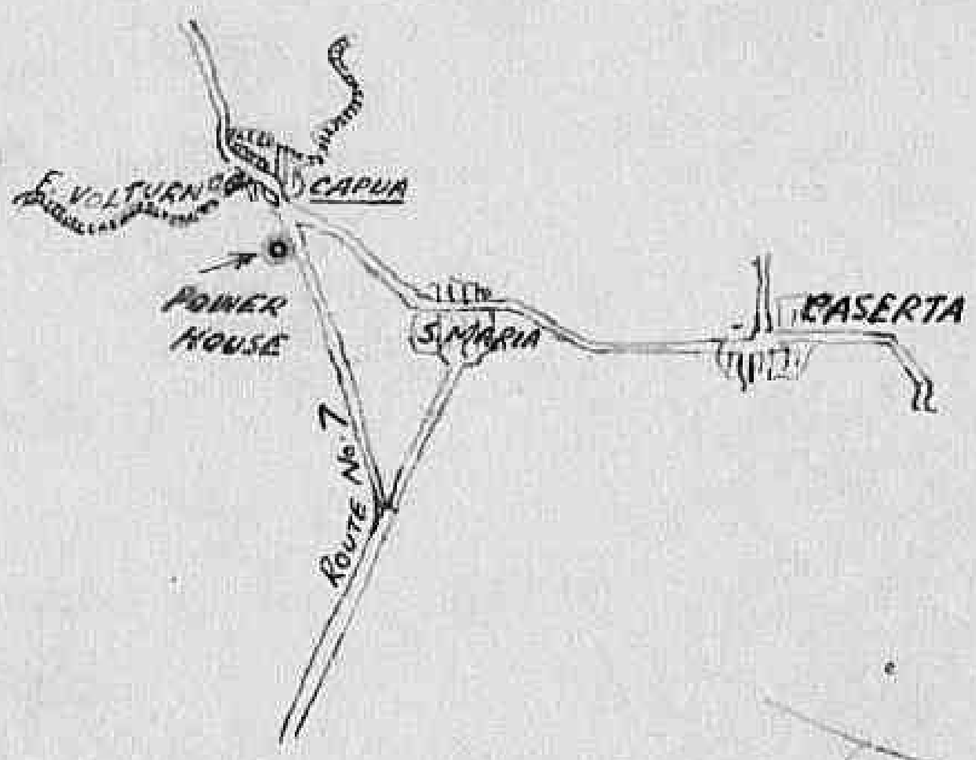
The approximate situation of the power house is shown on the accompanying sketch plan. It is South of CAPUA

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

and almost adjacent to the bridge which carries Route Nº7 over the railway. Map Reference: N.1877, on Sheet 19 of 1:200,000 road map. (First Edition- AMS2).

H.W. WESTWOOD
Major R.E.

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



To Cox

Capt Rogers

Have made a Sketch Map as above one only Sent Jun 49.

Ed

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

PW&U

Gen Sec.
9594
26

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

11 JUN 1943

150 Rec'd

Subject: Electricity - Sicily. Transmittal of Alto Belice Photographs.

To : Public Works and Utilities Sub-Commission, Attention Lieut. Colonel W.M.Lapper.

1. Transmitted herewith for your and Major A.W. Page's information are two sets of photographs showing details of the turbine - generator unit now being removed from Alto Belice. Also transmitted herewith for the same disposition are two copies Alto Belice Plant. Description of pictures numbered 11 and 12.

2. Because loading facilities preclude the use of a truck aboard an LST. and because the truck is no longer available, my present plans are to load the equipment aboard a Liberty Ship.

VINAL S. RENTON
Major, Infantry.

Incl.- 2 sets photographs numbered
2 copies - Alto Belice plant.

235

857

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

File

HWW/ir

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

ACC/051/PWU

2 June 1944

Subject : Electric Power - 1315 KVA Thermal generating Station at Soc. Cellulosa d'Italia, CAPUA.

TO : Lt-Col. W.M. Lapper, Chief of Public Utilities & Admin. Section, Public Works Sub-Commission ACC.

From : Major H.W. Westwood.

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

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VOLTS: 450

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CONNECTIONS: ⅄ (star)

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Direct-coupled self-excited D.C. generator, also by

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

MARELLI.

(Order: 34012. Nº 60635 type MCL 26 b)

KW. 8

RATING: CONTINUOUS

VOLTS : 40

AMPS : 200

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(V $\frac{450}{800}$ A $\frac{2000}{5}$). The present reading of this main output meter is only 2,700 KWH.

All switches appear to be in good order apart from broken "bakelite" levers.

LOCATION OF POWER STATION

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The approximate situation of the power house is shown on the accompanying sketch plan. It is South of CAPUA

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

and almost adjacent to the bridge which carries Route No7 over the railway. Map References: N.1877, on Sheet 19 of 1:200,000 road map. (First Edition- AMS2).

H.W. WESTWOOD
Major R.E.

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

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MML/in

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

ACC/051/PWU 2 June 1944

Subject : Central Electrical Board.

TO : Vice President, Economic Section.

1. A meeting of the Central Electrical Board was held on 30th May 44, at which Lt-Col. Lapper was present, Major General Coxwell Rogers being Chairman.

2. At the close of the meeting 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.

3. As this matter will most likely be raised again at the next meeting of the C.E.B., may we have some ruling as to what ACC are prepared to do regarding the inclusion of the C.E.B. in the ACC T.O.

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

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

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

ACC/051/PWU

2 June 1944.

SUBJECT: Matese Generating Plant.
TO : 11 C.E. Works, 8th Army Rear.

1. Attached are photographs and description of the plant now being dismantled for shipment to Matese. This information will no doubt be helpful in recognising parts during erection.

2. Further information will be forwarded to you as it comes to hand.

W. M. LAPPER,
Lt. Col.
Chief, Util. & Adm.Div.

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

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

NAI/150/PWU

1 June 1944.

SUBJECT: Removal of Electrical Generating Plant.
TO : 11 C.M.A. 8th Army.

1. With reference to the hydro-electric plant which it is proposed to install at Matese, we have now received a communication from our Regional Commissioner requesting that consideration be given to the company's request that the tower piece and bend but left in position at the present site.

2. While it is desirable that everything should be done to speed up the installation of the plant at Matese, it is desired to have your view as to whether the company's request could be acceded to in regard to this position of the plant.

3. The Sicilian company have been most helpful and done everything possible to assist and it is our desire, if it is at all possible, that this request which they are now making, should be granted.

4. Since certain steel castings will have to be made in order to complete the connection at Matese, it is thought that you may agree to include also for those which the company desire to retain and possibly re-design in view of their not being brought forward.

W. M. LAPPER,
Lt.Col.
Chief, Util.& Adm.Div.

CC to:
Major V.J.Rawlins
Col. C.P. Dilkie

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

ALLIED CONTROL COMMISSION
SICILY REGION HQ.
APO 394

27 May 1944

Memo for Col. Bolick

Subject : Removal of Penstock
Alto Belice Plant

1. In connection with removing the hydroelectric generating unit at Casuzze, Headquarters Allied Control Commission has requested that certain pieces of large waterpipe also be removed from the installation and shipped with the generating unit.

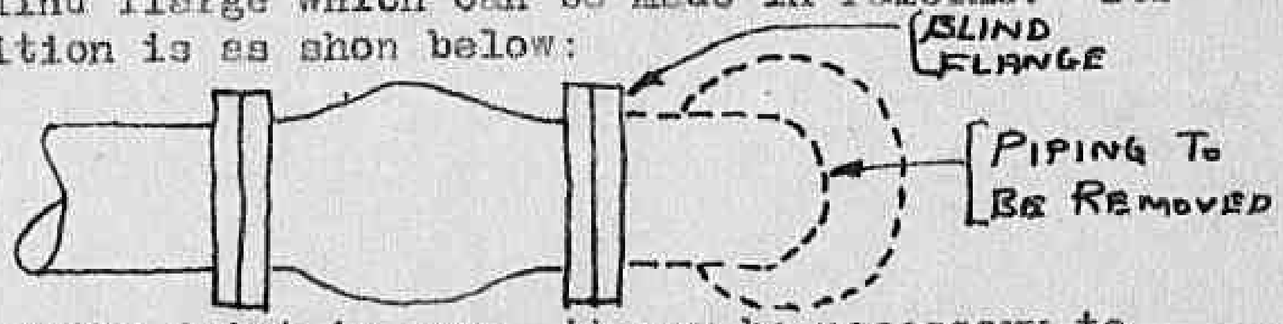
2. The waterpipe involved carries water down the mountain to the plant as shown on photograph "A" . The pieces requested by Hq. A.C.C. are shown on photograph No.7.

3. The Societh Generale Elettricith della Sicilia, which has cooperated in every possible way, has asked permission to retain the pipe. They point out

a. That the plant would be shut down during the removal.

b. That the pipe connections involved have not been touched since installation, over twenty years ago, and much time may be needed in removing the bolts.

c. That it would be necessary to stop off the pipe with a blind flange which can be made in Palermo. Its position is as shon below:



After the joint is open, it may be necessary to make changes on the blind flange.

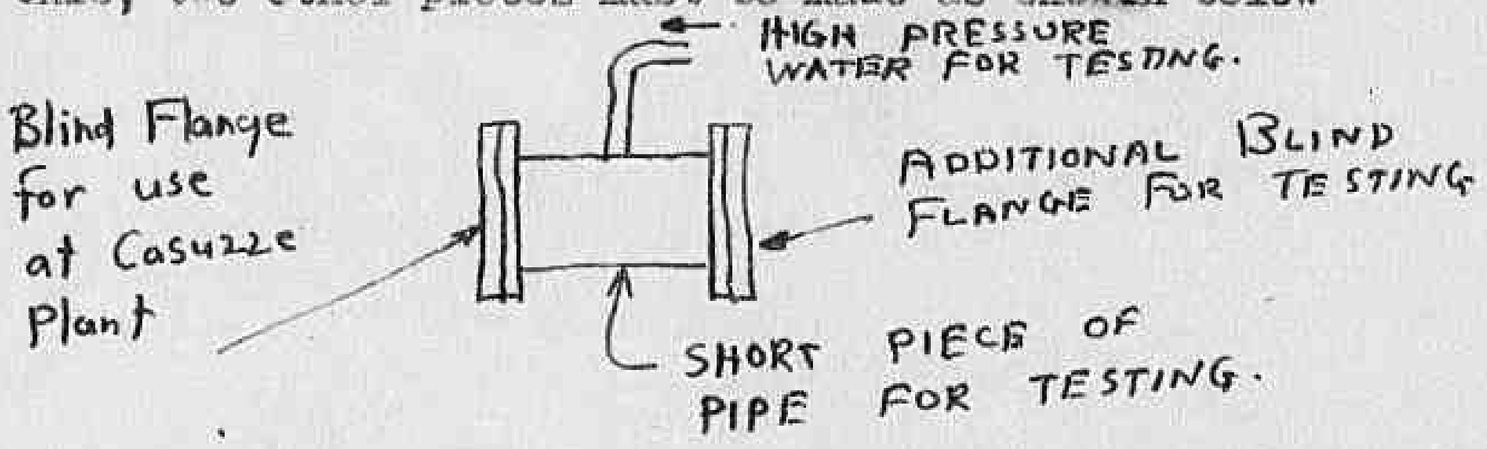
4. These facts were brought to the attention of Hq. A.C.C., and it was recommended that the pipe remain, and that new pieces be fabricated, in Palermo if necessary. A reply has been received reiterating the need for the pipe, stating that it is "clear from the layout" (of the new installation) that the pipes must be removed. No indication was given as

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to why duplicate pieces can not be made here.

It would be most important that the blind flange be of sufficient strength. Otherwise, it will break, releasing millions of cubic meters of water, causing disaster in the area, possibly causing loss of life, distruction of large areas of farm land, damage to the power plant, and loss of essential irrigation water. It follows that the blind flange must be tested through the application of high water pressure. To do this, two other pieces must be made as shown below



These pieces will afterwards be useless and all of the foundry and machine work as them will have been wasted. The same labor might well be used to make pipe which will afterwards serve a useful purpose.

The test of the blind flange can not be safety made in any other way. The idea may be advanced that the flange can be tested by slowly admitting water at the top of the pipe. That is unwise because.

(a) In service, the blind flange will be subject to more pressure than can be obtained during the test. Such periods of high pressure will occur when the water flow is suddenly decreased.

(b) If the flange should give way even with the water being admitted slowly to the pipe, sufficient water might be in the pipe to cause considerable damage to the surrouding area. Also, the remaining pipe might be damaged, causing a long outage of the plant.

In view of the forgeing, it is believed better that the pipes remain at Casuzze, and new ones be made for for the mainland. If, however, it is necessary to remove the pipes, I feel it imperative that the flange be tested with high water pressure, with the consequent wask of labor in making the pieces, for testing.

It is not my intention to delay work of which I am directly in charge, but I whould consider myself

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delinquient both as an officer and as an engineer if I had failed to bring these facts to your attention.

VSR

VINAL S. RENTON
Major Infantry

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

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SOCIETA' GENERALE ELETTRICA DELLA SICILIA

27 May 1944
Palermo, Via Della Liberth
N. 46

N. 1955

ALLIED CONTROL COMMISSION
SICILY REGION HEADQUARTERS
A.P.O. 394 - PALERMO -

TRANSFERENCE OF ELECTRIC MATERIAL
TO THE CONTINENT.

We have received your note 4631 WHO/lp of 20 of May. While confirming ours Nº1718 of May 10th about all the consequences relative to the transferring of the machine, we are giving you assurance that everything will be taken care of, following your instructions.

We have asked Major Renton that the conic connection between the machine and the forced pipe be kept in our plant and this for the purpose of making easy the closing of the pipe, but Major Renton has replied that even this connection must be removed and transferred to the continent.

This will force us to fix a blind flange on the main pipe due to the size of this flange and the considerable Hydrostatical height of the plant, we are much preoccupied about the security of the closing because of the difficulties in finding proper materials both for the flange and for the new bolts which will substitute the existing ones, the length of which would be insufficient.

The consequences of a rupture in the closing system would be very grave and if by bad luck the automatic valve at the beginning of the forced pipe should not work, the

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consequences of the rupture would be disastrous.

Since the Continental plant to which our machine is destined needs to build an added part, anyway (even disposing of the conic connection from our plant) we beg the A.C.C. to reexamine the opportunity for our plant to keep the existing conic connection.

Hoping for a favourable answer,

sincerely yours

Ing. G. COLAJANNI

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

HEADQUARTERS,
ALLIED CONTROL COMMISSION,
APO 394

R.C. & M.G. Section

29th May 1944.

Dear Adams,

I think you should see the attached letter regarding the removal of the generating unit from the Sicilian Power Plant for Rome. The Regional Commissioner, Colonel Hancock, agrees with the recommendation of Major Renton and I suggest that you should discuss the matter with Colonel Hancock before a final decision is made.

Yours sincerely

Colonel D. S. Adams,
A/Vice President,
Economic Section.

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Maj. Renton Comments.

C.F.C. Palermo 9513-282

Società Generale Elettrica della Sicilia

Sede Palermo - Capitale L. 300.000.000 - versato L. 228.000.000

Direzione Generale

Indirizzo telegrafico: Direction-Palermo

Telefono: 15600

Riferirsi al N.° 1955/N

Palermo, 27 maggio 1944

46, Via Libertà

ALLIED CONTROL COMMISSION
SICILY REGION HEADQUARTERS
A.P.O. 394 - PALERMO -

TRASFERIMENTO MATERIALE ELETTRICO
AL CONTINENTE

Abbiamo ricevuto la nota 4631 WHO/lp del 20 maggio di codesta On.le A.C.C. e, mentre confermiamo la nostra n° 1718 del 10 maggio per tutte le conseguenze relative al trasferimento della macchina, diamo assicurazione che a tutto sarà provveduto secondo le istruzioni dateci. Le operazioni di smontaggio sono state subito iniziate e si svolgono regolarmente.

Abbiamo chiesto al Signor Maj. Renton che il raccordo conico fra la macchina e la condotta forzata venga lasciato nel nostro impianto, e ciò allo scopo di potere facilitare l'otturazione della tubazione; ma il Signor Maj. Renton ci ha comunicato che anche tale raccordo deve essere smontato e trasferito al Continente.

Ciò ci costringerà a montare una flangia cieca sulla tubazione principale; date le dimensioni di detta flangia e la notevole altezza idrostatica dell'impianto, abbiamo molte preoccupazioni sulla sicurezza della chiusura, dato anche che non è facile trovare materiali adatti tanto per la flangia che per i nuovi bulloni che dovranno sostituire gli esistenti la cui lunghezza non sarà più sufficiente.

Le conseguenze di una rottura nel sistema di chiusura sarebbero gravissime; se poi, per disgrazia, la valvola automatica all'inizio della condotta forzata non dovesse funzionare, le conseguenze della rottura sarebbero semplicemente disastrose.

Poichè per l'impianto Continentale cui la nostra macchina è destina

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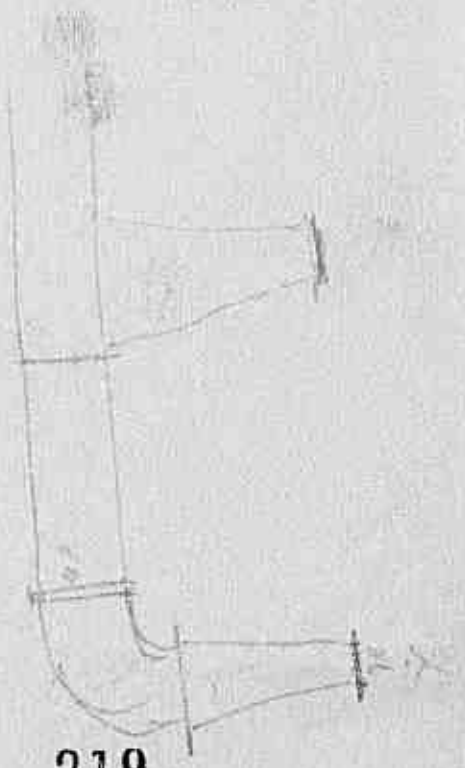
ta occorre certamente costruire in ogni caso un pezzo aggiunto (anche disponendo del raccordo conico del nostro impianto), preghiamo vivamente codesta On.le A.C. C. di volere riesaminare la opportunità di lasciare nel nostro impianto il rac_ cordo conico esistente.

Fiduciosi in un favorevole accoglimento della nostra richiesta, porgiamo i nostri distinti ossequi.

SOCIETA'GENERALE ELETTRICA DELLA SICILIA
Direzione Generale

Ing Gheloganni

cj/Trf.



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1 JUN Recd

JJC/re

051/R&s

HEADQUARTERS
ALLIED CONTROL COMMISSION
Transportation Sub-Commission(Roads)
APO 394

Tn/193/49

1 June 1944

Folio 772

SUBJECT: Trucks for Electricity Companies.

TO : Public Works & Utilities Sub-Commission ACC HQ.

1. Ref. your ACC/051/PWU dated 30 May'44, and conversation (Lt. Col. W.L. Lapper and Lt. Col. Carnes).

2. It was agreed that all applications by Italian civilian companies for tyres, spare parts etc, to operate their vehicles should be made direct to Region III HQ.

3. Applications for additional vehicles should also be made direct to Region III HQ.

for C.S. Moretti Capt
L.E.VINING
Lieut. Colonel,
Director,
Transportation Sub-Commission.

See letter 1/6/44
re Tn 093. Dated 17th

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

25 MAY Read

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

TGE/edg

051
Rec'd

Ref. ACC/5108/IC

24 May 1944.

SUBJECT: Electric Power

TO : Public Works & Utilities Sub-Commission

1. On a recent survey carried out by officers of this Sub-Commission, a complete steam raising plant, together with a turbo-generator was discovered at a pulp making plant in Capua under the name, Soc. Cellulosa d'Italia.

2. The characteristics of the plant are:

Turbine K W 900/1050 : Speed 7796/1350

Generator K V A 1315 : Volts 450 : Amps. 1685

3. The plant was new and so far as could be seen, was virtually intact, and may be of interest to you for the supply of electricity, as the plant was not operating.

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

Lt Col Lapper

I thought the Civil Elec. Ed. had all data on such matters as the top planning agency? Please look into this.

Thanks. 25/5

I submitted to Lt. Col. Lapper a written report dated 2 June 44.

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

12 April 1944.

CONFIDENTIAL

Colonel Lapper :

1. In connection with an electric power representative for Rome, I am wondering about the following -

(a) Whether we have decided on any definite missions for our representative in Rome upon his arrival there.

(b) How well any such missions have been coordinated with the activities of the other agencies who may be involved such as

1. The Fifth Army
2. P.B.S.
3. Royal Navy
4. Central Electric Board.

Failure to effect such coordination will result in wasted effort as well as confusion from conflicting purposes.

(c) Whether our Rome representative is acquainted with the representatives of these other agencies so that ideas can be informally and expeditiously exchanged, and the small number of personnel can be most effectively utilized.

2. As is generally known, the plan now existing for supplying Rome consists of the following :

(a) The use of emergency diesel equipment under Army control, to furnish power for strictly military installations such as army hospitals, communications centers, headquarters, and so on.

21b

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(b) About 500 KW of diesel capacity to be mounted, some day perhaps, on a suitable float, and to be ~~turned~~ towed to some place which can be wired to points of use.

(c) The transmission line, which if operated at 60 KV, is calculated to handle 10,000 KW, and if at 120 KV, to handle 15,000 KW.

3. As I see these methods, none provide the means of supplying a particular part of the city if the distribution system is damaged; the use of the army emergency diesel equipment (a) will be confined to military installations; the 500 KW of float-mounted diesel (b) even if assembled, will either have to be moored near the point of use, or will have to have connections to that point; and the receiving end of the 60 KV line (c) will be the Prestina substation, which depends on both the good condition of the 60 and 8.9 KV rings in the city to distribute energy.

4. Several months ago, there was ordered by PBS, after much bickering, some 6,000 KW of small diesel equipment, There is reason to believe that this equipment is on the way although its delivery date is not clear to me. At the time the order was placed, there were informal statements made that the diesel would be used only by P.B.S., which would be reluctant to place any of the units at the disposal of the then Electric Power Mission. To the best of my knowledge, no one outside of P.B.S. recalls that the units are on order. I feel, however, that it is possible to arrange for the use of some of this equipment in a manner that will be of benifit to essential civilian users.

5. In view of the foregoing, I strongly recommend that we informally discuss the situation with P.B.S. the agency which is probably the most vitally interested for the purpose of developing a plan, when Rome is reached.

VSR 21

VINAL S. RENTON
Major Infantry.

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

VSR/ac

ACC/051/PWU

29 April 1944

Subject : Recommended Planning for Future Requirements.
by Central Electrical Board.

To : Vice Chairman, Central Electrical Board.

1. As you are aware, the Allied Control Commission is presently assisting in a program of electricity control, to bring the requirements for electricity into balance with the supply. In most cases, this objective has been temporarily attained.

2. It is not believed, however, that the problem of supplying adequate electricity to essential military and civil users will be satisfactorally solved solely by rationing, because of the following considerations:

(a) High priority consumers in occupied territory are resuming operation, and are increasing the loads on generators and high tension transformers.

(b) As the battle line moves northward, the demands for electricity may be expected to increase. It is granted that much of the electricity consuming equipment may be destroyed, but it is not certain that all of it will be. It is possible that some plants will be suitable for the manufacture of military items but that they will be useless because electricity will be lacking. It is very likely that additional generation, transmission, and transformation equipment will be needed to supply any such additional needs.

(c) The amount of existing spare equipment (equipment available but not in use, or equipment in use but not heavily loaded) in high tension transmission system appears to be small. The natural consequence is that failure of any of this equipment will necessitate the curtailment of essential civil and military users.

Experience in the United States has shown that a considerable length of time is required for delivery within the States of new

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electric power equipment. In addition, an appreciable time is required for any equipment transported here. While the transportation of equipment may be possible in isolated instances, it has not been demonstrated, up to the present time, that such action will result in adding any appreciable capacity to the Italian electric power system.

In consideration of the foregoing, and also in view of the Central Electrical Boards function to establish plans for the repair of the electric power system in territory occupied by the A.A.I. with a view to meeting essential military and civilian needs, it is recommended that the Board be convened at the earliest possible date to discuss plans for determining the amount of new equipment estimated to be needed in the territory now or in the future under the jurisdiction of the Board.

W. M. LAPPER,
Lt. Col.
Chief El. & Adm. Div.

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