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

ACC 220/PA/PWU

10000/150/599

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

10000/150/599

ALLOCATION OF POWER
OCT. 1944 – NOV. 1946

220/8/Pwlc

LT.-COL.W.M.LAPPER

220/8A/Pwlc

ALLOCATION OF POWER

OPENED: 31 Oct 44
CLOSED: 2 NOV 46

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

ALLOCATION OF POWER

OPENED: 31 Oct 44
CLOSED: 2 NOV 46

10000 150/399

THIS FOLDER
CONTAINS PAPERS
FROM OCT 44
TO NOV 46
CATALOGUE-

320/PAIPWW

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

ECON. DIV.

The Taranto Tramways & Electric Supply Company L.td

SOCIETÀ TRAMVIE ELETTRICITÀ - TARANTO

TELEFONO 2110

Taranto, 21 Novembre 1946

Spett/le COMMISSIONE ALLEATA - Sezione PROPERTY CONTROL
R O M A

Pregiomi comunicare a codesto Spett/le Ufficio che la Commissione Alleata Provinciale di Taranto, poco dopo lo sbarco degli Alleati, avendo appreso che la The Taranto Tramways & Electric Supply Company L.td era stata sottoposta a sequestro dal governo fascista, come le altre società estere, richiese ed ottenne dal Prefetto il dissequestro e venni nominato Commissario per la gestione della Compagnia stessa, sino a quando non fossero stati ricostituiti gli organi amministrativi, sotto la vigilanza della Commissione Regionale di Controllo di Matera, Sezione Property Control, e specificatamente del Maggiore Cavenaugh, che dopo aver eseguito accurate ispezioni, dette le disposizioni per l'amministrazione con sua lettera del 31 Maggio 1944, di cui si alliga copia.

In seguito la Commissione si trasferì a Bari e quasi ogni mese apposito incaricato addetto al predetto Ufficio (Donaz- jugoslavo), eseguiva regolare visita di controllo.

6615

In dipendenza delle disposizioni ricevute dal Maggiore Cavenaugh tutti i mesi furono trasmesse le situazioni mensili, con l'analisi

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

Provinciale di Taranto, poco dopo lo sbarco degli Alleati, avendo appreso che la The Taranto Tramways & Electric Supply Company L.td era stata sottoposta a sequestro dal governo fascista, come le altre società estere, richiese ed ottenne dal Prefetto il dissequestro e venni nominato Commissario per la gestione della Compagnia stessa, sino a quando non fossero stati ricostituiti gli organi amministrativi, sotto la vigilanza della Commissione Regionale di Controllo di Matera, Sezione Property Control, e specificatamente del Maggiore Cavenaugh, che dopo aver eseguito accurate ispezioni, dette le disposizioni per l'amministrazione con sua lettera del 31 Maggio 1944, di cui si alliga copia.

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6615

In dipendenza delle disposizioni ricevute dal Maggiore Cavenaugh tutti i mesi furono trasmesse le situazioni mensili, con l'analisi specifica delle spese e degl'incassi.

Soppressa la Commissione Alleata Regionale di Controllo di Bari, a seguito di disposizioni scritte ricevute con lettera dell'8 Maggio 1945, l'azienda restò sotto la vigilanza del Vice Console Britannico di Taranto, al quale venivano rimesse le situazioni mensili, inoltrate all'ufficio competente.

Dopo la eliminazione del Vice Consolato da Taranto, sono re-

1650

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The Taranto Tramways & Electric Supply Company Ltd
SOCIETÀ TRAMVIE ELETTRICITÀ - TARANTO

TELEFONO 2110

Taranto, ...

stato in attesa di conoscere ulteriori disposizioni.

Io venni nominato Commissario anche perchè prestavo servizio disinteressatamente presso la Commissione Alleata di Controllo quale Consulente Legale, assunto in un primo tempo dall'A.M.G. Head Quarters.

Intanto, il Comune di Taranto, avendo appreso che la Compagnia del 1939 è stata cancellata dal Registro delle Società, ha iniziato pratiche per far risolvere la concessione e sottoporre nuovamente l'Azienda tranviaria a sequestro, con la nomina di un nuovo sequestratario per indi successivamente impossessarsi della stessa senza indennizzo.

E' bene far presente che l'azienda ha un rilevantissimo valore.

La cancellazione della Società fu eseguita di ufficio perchè la medesima omise d'inviare il rendiconto annuale per non esercitare più affari in Inghilterra. Lo scioglimento non fu seguito dalla liquidazione onde, per le leggi italiane, la Società è sempre stata esi-

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In base a notizie attinte dal The London Office (Stamps and Companies), la Compagnia può essere sempre ricostituita entro il termine di venti anni dallo scioglimento e reiscritta nel registro, su istanza al Tribunale avanzata da qualsiasi membro, da creditori, o dalla Società. Ho creduto mio dovere avvertire codesto On/le Ufficio, a scanso di ogni mia responsabilità trattandosi di beni di sudditi inglesi,

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The Taranto Tramways & Electric Supply Company L.td
SOCIETÀ TRAMVIE ELETTRICITÀ - TARANTO

TELEFONO 2110

Taranto, ...

i quali,a mio parere, in base ai precedenti, devono restare alle dipendenze del Property Control per le condizioni di armistizio, fino a quando non sia firmato il trattato di pace.

Infatti,la Commissione Alleata Provinciale di Controllo di Taranto, ottenne il decreto di dissequestro, con la mia nomina a Commissario, fino a quando non sarebbero stati ricostituiti gli organi amministrativi e quando già la Società non figurava nel registro essendo avvenuta la cancellazione nel 1939.

Con la massima osservanza.

IL COMMISSARIO
Avv. Prof. Alessandro Bari

Avv. Alessandro Bari

Corso Umberto 9, Taranto

6613

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COPIA

British Vice Consulate,
Taranto.

C/3/2

18th June, 1945.

Sir,

I thank you for your letter of the 14th June enclosing statements of account of the Taranto Tramway & Electric Supply Co. Ltd. for the month of May.

2. I am transmitting these statements to the proper authority.

I am,
Sir,
Your obedient Servant,
F/to Smith
British Vice Consul

Spett.Sig.Avv.Prof. Alessandro Beri,
Corso Umberto 6,
TARANTO.

COPIA-

QUARTIER GENERALE
COMMISSIONE ALLEATA DI CONTROLLO
REGIONE 2

31 Maggio 1944

OGGETTO:- Società Tramvie Elettriche Taranto.
AL : Avv. ALESSANDRO BARI, Corso Umberto 9, Taranto.
(via Commissario Provinciale, Taranto)

1. A seguito della nostra discussione di ieri, Le scrivo per domandarle che le seguenti informazioni mi siano trasmesse in duplicato prima che io venga di nuovo a Taranto la prossima settimana.

(a) Relativamente allo specchio dei Creditori dal 1940 al 1943, ho bisogno di ulteriori informazioni indicanti i termini nei quali questi debiti, ancora non pagati alla fine del 1943, sono trattati dai rispettivi creditori.
Tali informazioni dovranno comprendere: copie di qualsiasi ipoteca od obbligazione di qualsiasi genere fatta quale assicurazione di pagamento, complete informazioni relative ad accordi o patti per i quali tali debiti siano pagabili a rate, quale interesse debba essere pagato per ciascuno di essi, e da quale data esso deve essere pagato, quali debiti possano essere saldati con sconto ed in che ammontare, quali debiti non possono essere saldati con sconto, ed aggiungere una sufficiente spiegazione di ciascun capitolo dello specchio affinchè io possa capire la situazione contabile.

(b) Una spiegazione di questo genere mi sia data anche dei conti dello Specchio dei Debitori dal 1940 al 1943.

(c) Copia del conto delle Perdite e Profitti per il mese di maggio e di aprile, con una breve analisi dei principali capitoli riferentesi a spese. Avrò bisogno di queste relazioni mensili anche nel futuro.

(d) Una breve descrizione dei metosi usati al momento presente nel disporre dei fondi della Società, sia relativamente alla riscossione di somme che al pagamento delle spese, ed in che modo si dispone dei fondi in avanzo.
Tali informazioni mi servono allo scopo di determinare il miglior modo di esercitare un ragionevole controllo sui fondi della Società senza con questo danneggiarne il funzionamento.

66!

(e) Ho anche bisogno di essere informato di qualsiasi obbligazione o responsabilità da parte della Società, che non sia riflettuta nei

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

(a) Relativamente allo specchio dei Creditori dal 1940 al 1943, ho bisogno di ulteriori informazioni indicanti i termini nei quali questi debiti, ancora non pagati alla fine del 1943, sono trattati dai rispettivi creditori.
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Tali informazioni mi servono allo scopo di determinare il miglior modo di esercitare un ragionevole controllo sui fondi della Società senza con questo danneggiarne il funzionamento.

661

(e) Ho anche bisogno di essere informato di qualsiasi obbligazione o responsabilità da parte della Società, che non sia riflettuta nei libri. Ad esempio, a proposito della manutenzione delle strade, un preventivo dell'importo necessario per aggiornare tale manutenzione ed all'incirca quanto è necessario all'anno per il futuro. Si prenderà in considerazione qualsiasi altra obbligazione che non sia riflettuta dai libri.

2. Credo di aver capito che Ella chiederà all'Ispettorato Generale Comunicazioni di Bari, l'autorizzazione di aumentare i prezzi dei biglietti.

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Allo scopo di appoggiare la richiesta potrette essere opportuno accludere un conto che esamini gli aspetti della situazione della Società per quanto riguarda le spese e le obbligazioni (compresa la manutenzione delle strade). Nel caso tale conto sia effettivamente trasmesso, Le suggerisco di assicurarsi che esso presenti tutte le spese e le obbligazioni della Società. In caso contrario l'assoluto bisogno di questo aumento non sarà sufficientemente dimostrato.

Arrivederci alla prossima settimana.

F/to Cavenaugh

G.K. Cavenaugh, Major
Ufficiale Regionale per il
Controllo delle Proprietà.

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COPIA

ALLIED COMMISSION
LIAISON OFFICE
B A R I

8.5.45

OGGETTO: The Taranto Tramways
and Electric Supply Ltd.Co.

REF : LB.63

A : Avv.Alessandro Bari
Commissario Prefettizio,
Corso Umberto 6,
TARANTO

1)-L'Ufficio del Property Control della Commissione Alleata di Bari fu chiuso il 4 Maggio 45.

2)-Vi preghiamo di inviare i vs. rapporti nel futuro a H.M. British Consul in Taranto, il quale è stato informato della situazione della Società.

3)Vi ringraziamo per la Vostra collaborazione.

F/to D.Jones Cap.

for-S.W.MILLER,LT.COL.
Liaison Officer,AC.Bari

6610

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

COPIA

Vice Consolato Britannico
24, Via Roma,
TARANTO.

17 Maggio, 1945.

Spett.Sig.Avv.Prof. Alessandro Bari,
corso Umberto 6,
TARANTO.

Vi ringrazio della Vostra lettera del 14 Maggio, la quale porta alla mia conoscenza la comunicazione che avete ricevuta della Allied Commission Liason Officer a Bari, avendo come oggetto The Taranto Tramways & Electric Supply Co.Ltd.

Sarò grato di riceverVi al mio ufficio ogni giorno tra le 9 a mezzo-giorno per discutere la faccenda in questione.

Vi prego gradire i miei distinti saluti.

F/to Smith
Il Vice Console Britannico

6609

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COPIA-

Vice Consolato Britannico,
Taranto

22.12.45

Egregio Sig.Bari,

Vi ringrazio per la vostra pregiata lettera inclusa nella situazione della Compagnia Tranviaria del mese di Novembre,di già trasmessa al Property Control Office.
Gradite i miei più distinti saluti.

F/to Smith
Vice Console Britannico

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

HEADQUARTERS ALLIED COMMISSION
APO 794
Industry and Utilities Branch

File

Reference : 220/PWU

9 October 1946

SUBJECT : Organizational chart.

TO : Ministry of Public Works
(Attn: Prof. Ing. M.Visentini)

1. It would be appreciated if an Organizational chart showing the various sections of your Ministry could be made available to this Branch.

2. The above chart is only needed for routine use by A.C.

H.M. WALKER
Colonel, CE
Director.

6608

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MINISTERO DEI LAVORI PUBBLICI

XIV^a Sezione del Consiglio Superiore

UFFICIO MOBILITAZIONE ENERGIA ELETTRICA

COMMISSIONE CENTRALE PER LA DISCIPLINA ED IL CONTROLLO SULLA DISTRIBUZIONE DELL'ENERGIA ELETTRICA

Power Allocations
June

Vs.

Ns.

ROMA 31/5/1946

Allego alla presente copia delle assegnazioni di energia elettrica per l'Italia Centro Meridionale per il mese di giugno, con preghiere di segnalare se codesto Ufficio desidera che gli venga ancora fatta o meno questa comunicazione per i mesi venturi.

IL PRESIDENTE
(M. Visentini)

INDUSTRY & UTILITIES S/C
25 GIU 1946
Archives

6607

Giugno 1946 TAVOLA IV

I T A L I A C E N T R A L E

Dettagli delle ripartizioni di energia tra i singoli centri di prelievo (Valori riferiti alle Centrali)

ore	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
TERNI				
Stabilimenti Sociali	33.5	33.5	33.5	21.9
Utenze dirette	5.5	5.5	5.5	4.1
	39.-	39.-	39.-	26.-
FF.SS.	11.-	11.-	11.-	5.-
S.R.E.+A.C.E.A.				
Roma città 45% ACEA 55% SRE	68.-	78.-	36.-	40.-
Roma provincia	2.8	4.-	1.6	1.7
Frosinone	5.1	8.-	2.4	3.1
Viterbo	2.6	4.-	2.-	1.8
Civitavecchia-Latina	11.5	20.-	8.-	7.4
	90.-	110.-	50.-	54.-
U.N.E.S.				
Spoleto	3.8	4.4	4.1	3.1
Perugia & Foligno	5.3	4.1	5.1	3.7
Ancona, Rimini & Costa Adriatica Nord	13.9	17.2	8.3	9.1
Aquila & Costa Adriatica Sud	5.-	5.4	3.1	3.1
Rieti	1.7	1.9	1.8	1.4
Orvieto	0.8	1.-	0.6	0.6
	30.5	34.-	23.-	21.-
S.E.V.	100.-	80.-	45.-	50.-
S.M.E.	35.5	35.5	45.5	29.-
Per consumo	35.5	35.5	9.2	20.7
Per invaso nei serbatoi Sila	—	—	36.3	8.3

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

TERNI				
Stabilimenti Sociali	33.5	33.5	33.5	21.9
Utenze dirette	5.5	5.5	5.5	4.2
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S.M.E.	35.5	35.5	45.5	29.-
Per consumo	35.5	35.5	9.2	20.7
Per invaso nei serbatoi Sila	—	—	36.3	8.3

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ASSEGNAZIONE MESE DI AGOSTO 1946

Fabbisogno a monte di Orte

S.E.V.	KWh	57.000.000
FF.SS.	"	7.845.000
Totale	"	64.845.000

Da ripartire come segue:

Produzione propria S.E.V.	KWh	12.000.000
Produzione Larderello	"	15.000.000
Dalla Edison - C.O.N.I.E.L. per S.E.V.	"	30.000.000
Da Bressanone per FF.SS.	"	7.845.000
Totale	"	64.845.000

Fabbisogno a valle di Orte

	Giornaliero medio	Mensile
S.P.E. = A.C.E.A.	2.100.000	65.100.000
FF.SS. a mezzo S.R.E.	50.000	1.550.000
U.N.E.S.	850.000	26.350.000
TERNI utenze locali	900.000	27.900.000
S.M.E.	3.700.000	114.700.000
Totale fabbisogno	7.600.000	235.600.000

Disponibilità a valle di Orte

S.R.E. = A.C.E.A. (idrico)	700.000	21.700.000
TERNI	1.330.000	41.230.000
U.N.E.S.	100.000	3.100.000
Dalla S.E.V. a TERNI	140.000	4.340.000
Dalla S.E.V. (Nera Montoro a S.R.E.) (140.000 + 240.000)	380.000	11.780.000
Dalla FF.SS. (Saggitario) alla S.R.E.	90.000	2.790.000
S.M.E. (idrico)	2.350.000	72.850.000
Termica Roma	130.000	4.030.000
" Napoli	130.000	4.030.000
Dalla Edison	950.000	27.050.000
Da Bressanone	700.000	21.700.000

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Produzione [illegible]		[illegible]
Dalla Edison - C.O.N.I.E.L. per S.E.V.	"	30.000.000
Da Bressanone per FF.SS.	"	7.845.000
Totale	"	64.845.000

Fabbisogno a valle di Orte

	Giornaliero medio	Mensile
S.R.E. = A.C.E.A.	2.100.000	65.100.000
FF.SS. a S.R.E.	50.000	1.550.000
U.N.E.S.	850.000	26.350.000
TERNI utenze locali	900.000	27.900.000
S.M.E.	3.700.000	114.700.000
Totale fabbisogno	7.600.000	235.600.000

Disponibilità a valle di Orte

S.R.E. = A.C.E.A. (idrico)	700.000	21.700.000
TERNI	1.330.000	41.230.000
U.N.E.S.	100.000	3.100.000
Dalla S.E.V. a TERNI	140.000	4.340.000
Dalla S.E.V. (Nera Montoro a S.R.E.) (140.000 + 240.000)	380.000	11.780.000
Dalle FF.SS. (Saggitario) alla S.R.E.	90.000	2.790.000
S.M.E. (idrico)	2.350.000	72.850.000
Termica Roma	130.000	4.030.000
" Napoli [illegible]	[illegible]	4.030.000
Dalla Edison	[illegible]	[illegible]
Da Bressanone	700.000	21.700.000
Totale disponibilità	6.600.000	204.600.000

Deficienza rispetto al fabbisogno

Fabbisogno	7.600.000	235.600.000
Disponibilità	6.600.000	204.600.000
Deficit	1.000.000	31.000.000

pari al 13.1 % del totale.

./.

6604

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

Le assegnazioni dei singoli Enti vengono pertanto così ridotte:

	Giornaliero medio	Mensile
S.R.E. + A.C.E.A.	1.821.500	56.466.500
FF.SS. per S.R.E.	50.000	1.550.000
U.N.R.R.	737.300	22.856.300
TERNI e Utenze locali	780.700	24.201.700
S.M.E.	3.210.500	99.825.500
Totale assegnazioni	6.500.000	204.500.000

Ripartizione delle assegnazioni medie giornaliere

S.R.E. + A.C.E.A.		1.821.500
S.R.E. per FF.SS.		50.000
	Totale	1.871.500

Ripartizione:

Produzione propria idrica	700.000
" " termica	130.000
Da Nera Montoro (S.E.V.)	370.000
Dal Sagittario	90.000
Da Terni	571.500
Totale	1.871.500

U.N.R.R.

Assegnazione 737.300

Ripartizione:

Produzione propria	100.000
Da Terni	637.300
Totale	737.300

TERNI e Utenze Locali 6603

Assegnazione 780.700
da prelevare sulla produzione propria

S.M.E.

Assegnazione 3.210.500

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

Ripartizione delle assegnazioni medie annue

S.R.E. + A.C.E.A.		1.821.500
S.R.L. per FF.SS.		50.000
	Totale	1.871.500

Ripartizione:

Produzione propria idrica	700.000
" " termica	130.000
Da Nera Montoro (S.E.V.)	300.000
Del Sagittario	90.000
Da Terni	571.500
Totale	1.871.500

U.N.E.S.

Assegnazione	737.300

Ripartizione:

Produzione propria	100.000
Da Terni	637.300
Totale	737.300

TERNI e Utenze Locali

Assegnazione da prelevare sulla produzione propria	780.700

S.M.E.

Assegnazione	3.210.500

Ripartizione:

Produzione idrica	2.350.000
" termica	130.000
Da Terni	730.500
Totale	3.210.500

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6603

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

Agosto 1946

Foglio 3

BILANCIO DELL'ENERGIA A TERNI

Disponibilità:

Produzione propria	1.330.000
Da S.E.V.	140.000
Da Bressanone	700.000
Da Edison	550.000
Totale	2.720.000

Ripartizione:

Alla S.R.E. + A.C.E.A.	571.500
Alla U.N.E.S.	637.300
Alla S.M.E.	730.500
Alla Terni	780.700
Totale	2.720.000

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traction
Hospital
Water system
Food Ind. (Important)

alternate weeks 4 hour periods

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

Da Bressanone		700.000
Da Edison		550.000
	Totale	2.720.000

Ripartizione:

Alla S.R.E. + A.C.E.A.	571.500
Alla U.N.E.S.	637.300
Alla S.M.E.	730.500
Alla Terni	780.700
Totale	2.720.000

tractor
Hospital
Water system
Food Ind. (important)

alternate weeks 4 hour periods

6602

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

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

Tele

LWL/cc

Tel: 489081
Ext: 917

HEADQUARTERS ALLIED COMMISSION
APO 794
Industry and Utilities Branch

1 July 1946

220/PA/FWU

SUBJECT: Monthly Power Allocations

TO : Ministry of Public Works
Central Commission for the Discipline
and Control of Distribution of Electric Power

1. In reply to your letter of 31 May 1946, please continue to furnish this Headquarters three copies of the monthly power allocation reports.

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

6601

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

TRANSLATION.

E.S. File N°: 9.06

FROM: Ministry of Public Works.

Central Commission for the Discipline

and Control of Distribution of Electric Power.

31 May 1946.

Herewith enclosed we forward you copy of the assignment of electric power of Central Italy (month of June.)

We kindly ask you to let us know if you are still interested to have sent this communication.

The President

(M. Visentini)

0099

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

U.S. file N°:

TRANSLATION.

JUNE 1946.

TABLE IV.

C E N T R A L I T A L Y.

Details of the distribution of power to the various sub-stations.

(Quantities refer to the power stations)

Hours	6-19 KWx10³	19-22 KWx10³	22-6 KWx10³	KWh x10⁶
TERNI.				
Social establishments	33.5	33.5	33.5	21.9
Direct consumers	5.5	5.5	5.5	4.2
	39.-	39.-	39.-	26.-
	11.-	11.-	11.-	5.-
FE.SS.				
S.R.E.+A.C.E.A. 45% ACEA				
Rome city 55% SRE	68.-	78.-	36.-	40.-
Province of Rome	2.8	4.-	I.6	I.7
Frosinone	5.I	8.-	2.4	3.I
Viterbo	2.6	4.-	2.-	I.8
Civitavecchia - Latina	II.5	20.-	8.-	7.4
	90.-	II0.-	50.-	54.-
U.N.E.S.				
Spoleto	3.8	4.4	4.I	3.I
Perugia & Foligno	5.3	4.I	5.I	3.7
Ancona, Rimini & Coast				
Northern Adriatic	I3.9	I7.2	8.3	9.I
Aquila and Coast				
South Adriatic	5.-	5.4	3.I	3.I
Rieti	I.7	I.9	I.8	I.4
Orvieto	0.8	I.-	0.6	0.6
	30.5	34.-	23.-	2I.-
	I00.-	80.-	45.-	50.-
S.E.V.	35.5	35.5	45.5	29.-
S.M.E.				
For consum	35.5	35.5	9.2	20.7
For storage in the Sila reservoires	—	— -	36.3	8.3

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

JUNE 1946.

TABLE VI.

S O U T H E R N I T A L Y.

Availability of electricity in the central power stations.

Zone distributed to	Availability of	Maximum load 15 minuts KWx10^3	Power KWhx10^6
PUGLIA			
U.N.E.S.	LL.PP.	41.2	22.3
NAPOLI	LL.PP.	I.5	0.5
CAMPANIA:	LL.PP.	42.5	23.-
1) Frattamaggiore	LL.PP.	3.5	I.4
2) Pomigliano	LL.PP.	2.5	I.2
3) Salerno - Torre - Castellammare	LL.PP.	2I.-	I0.5
4) Benevento	LL.PP.	3.-	I.3
5) Calore	LL.PP.	I.-	0.7
6) Santa Maria	LL.PP.	5.-	2.2
7) Maranola	LL.PP.	I.-	0.7
LUCANIA	LL.PP.	4.-	I.9
CALABRIA	LL.PP.	7.-	2.8
RAILWAYS: Naples zone	M.R.S.	3.-	I.-
Foggia - Benevento	M.R.S.	8.-	2.4
Salerno Torre	M.R.S.	3.5	I.5
Villa Literno	M.R.S.	I.5	0.4
Salerno - Reggio	M.R.S.	I0.-	2.9
SAVUTO	-	3.-	0.9
MONTECATINI	LL.PP.	8.-	6.4
PARTUSOLA	LL.PP.	2.5	I.8
TOTAL AT THE SUBSTATION		I72.7	84.8
TOTAL AT THE CENTRAL		I85.-	97.3

Factor of contemporary supply = 90%

Loss of power = 16%

Loss of energy = 13%

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		Gasoline P.B.									
		20 liters		20 liters		25 liters		50 liters		10 liters	
		No 5-50		No 6-100		No 7-250		No 8-1000		No 5-5	
		Issued	In stock	Issued	In stock	Issued	In stock	Issued	In stock	Issued	In stock
26/9/42	A.P. Liaison Off. & Dist	100	2956	40	7863	53	2721	24	417	6597	39
27/9/42	Mr Griffith Highy. Eq.	46	2210	42	7821	R 24	2697				
28/9/42	Mr. Griffith Highy Eq.					24	2697				
10/10	Mr Griffith Highy Equip.			50		20					
10/10	Reserve Route 1			14		64					
10/10	Route 7			56		15					

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

	Gasoline P.B.								Diesel P.G.							
	20 liters		20 liters		25 liters		50 liters		10 liters		20 liters		20 liters		50 liters	
	No 5-50		No 6-100		No 7-250		No 8-1000		No 5-50		No 6-100		No 7-200		No 8-1000	
	Issued	In Stock	Issued	In Stock	Issued	In Stock	Issued	In Stock	Issued	In Stock	Issued	In Stock	Issued	In Stock	Issued	In Stock
Dist	100	2256	40	7863	53	2721	24	417	6597	392	114	2696	50	2200		240
Sy. Eq.	46	2210	42	7821	2R 2A											
Eq.					24	2697										
Equip.			50		20											
1			1		64						19		18			
7			58		15						9		10			

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

PB

DATE	ISSUED TO SHEET II	GASOLINE 5 Liters No 9		GASOLINE 10 Liters No 10		GASOLINE 20 Liters No 11		DIESEL 5 Liters No 5		DIESEL 10 Liters No 6		DIESEL 20 Liters No 7		PG 1 Liter No 6	
		Issued	In Stock	Issued	In Stock	Issued	In Stock	Issued	In Stock	Issued	In Stock	Issued	In Stock	From	
10/5/45	Carried From Sheet I	-	42		30		30		0		42		30		
10/5/45	Received From Commerce S/c Letter Rq/5087/Com/Bol.	400	442							50	92	40	70		
10/5/45	Maj: Johnson P.B.S. South	116	326							7	85	10	100		
11/5/45	Mr GRIFFITH for Equipment Asphalt Div.	20	306									6	94		
12/5/45	Maj: Evans Umbria Marche	40	266									10	84		
14/5/45	Received from Maj Goldson			3	33					5	90	1	85		
24/5/45	2/L. Malesh CRE 104	20	246	20	13	20	10			20	70	20	65	1	6
11	ACLO. 10ist. (Maj. Bercher)	40	206									10	55		
8/6/45	Mr. Griffith. Asphalt Division									4	66				
8/6/45	Reg. Maj. Veneria	16	190							5	61				
14/6/45	Lt Matchett 104 CRE Not Valid	100	90							5	56				
15/6/45	Returned to Capt Gowin	1	89	3	10					1		3	52		
18/6/45	Maj. Johnson P.B.S. South	25	64							3	53				
20/6/45	Maj. " " " 11	24	40	10	0	10	0			15	38				
22/6/45	" " " " 14	40	0							10	28	2	50		
27/6/45	104 CRE Lt Matchett									14	14	10	40		

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

P.O.

GASOLINE PB						DIESEL PG						OIL LUB.					
5 Liters No 9		10 Liters No 10		20 Liters No 11		5 Liters No 5		10 Liters No 6		20 Liters No 7		1 Liter No 6		2 Liters No 7		2 Liters. No 8	
	In Stock	Issued	In Stock	Issued	In Stock	Issued	In Stock	Issued	In Stock	Issued	In Stock	Issued	In Stock	Issued	In Stock	Issued	In Stock
											30		1		0		57
	42		30		30		0		42								
	442							50	92	40	10						
	326							7	85	10	100					9	48
	306									6	94					3	45
	266									10	84					4	46
		3	33					5	90	1	85						
	246	20	13	20	10			20	70	20	65	1	0			15	26
	206									10	55					4	22
								4	66								
	190							5	61							2	20
	90							5	56								
	89	3	10							3	52						
	64							3	53							5	15
	40	10	0	10	0			15	38							1	1
	0							10	28	2	50					3	6
								14	14	10	40					2	4

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Date	ISSUED TO	Gasoline PB						Diesel PG.						
		5 liters		10 liters		20 liters		5 liters		10 liters		20 liters		
	SHEET 111	No 9		No 10		No 11		No 5		No 6		No 7		
		Issued	IN Stock	Issued	IN Stock	Issued	IN Stock	Issued	IN Stock	Issued	IN Stock	Issued	IN Stock	Issu
11/29/45	STOCK.													
11/30/45	RECEIVED FROM OR RPD TOSCANA	73	73	75	75	39	39						65	
15/12/45	Llano Grande Cmdr / Tenn Estimano	30	43	[redacted]		15	24			12	0			36
13/2/45	Hdqtrs/Equip Sec.													
3/2/45	Sgt. Cisneros Gen. Cir.													

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Gasoline PB			Diesel PG.						Oil Lub. PD							
5 liters	10 liters		20 liters		5 liters		10 liters		20 liters		½ liter		1 liter		2 liters		3 liters	
No 9	No 10		No 11		No 5		No 6		No 7		No 5		No 6		No 7		No 8	
IN Stock	Issued	IN Stock	Issued	IN Stock	Issued	IN Stock	Issued	IN Stock	Issued	IN Stock	Issued	IN Stock	Issued	IN Stock	Issued	IN Stock	Issued	IN Stock
								12		6595								4
73	75	75	39	39							364		34	34				
43	[illegible]		15	24			12	0					17	17				
													15	2			3	6
													2	0	Jettison		1	0

akol akd dsk

Bozzi Allegato

Giugno 1946

TAVOLA I

I T A L I A C E N T R A L E

Disponibilità di energia nelle centrali di produzione

SISTEMA TERNI - S.R.E. - A.C.E.A. - U.N.E.S.

Ore	6-19 $KW \times 10^3$	19.22 $KW \times 10^3$	22-6 $KW \times 10^3$	$KWh \times 10^6$
T E R N I				
Centrale Galleto	77.3	81	33	42
Centrale Cervara	5	7.6	2.3	2.9
Centrali Minori	1.2	1.4	1.2	0.9
Totale Terni	83.5	90.-	36.5	45.8
S.R.E.+A.C.E.A.				
Centrali idriche	43	62	29	28
Termiche a vapore	--	--	--	--
Termiche Diesel	--	--	--	--
Totale SRE+ACEA	43.-	62.-	29.-	28.-
U.N.E.S.				
Produzione propria	7	8	5	4.5
TOTALE SISTEMA	133.5	160.-	70.5	78.3
S.E.V.				
Produzione propria	26.5	20	10	12
LARDERELLO				
Produzione a 50 Hertz	17.5	17.5	17.5	11.8
Produzione a 45 Hertz	11.5	11.5	11.5	8
Totale Larderello	29.-	29.-	29.-	19.8
TOTALE ITALIA CENTRALE	189.-	209.-	109.5	110.1

TRASPORTI DAL NORD

EDISON

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

Ore	6-19 KW x 10^3	19.22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
T E R N I				
Centrale Galleto	77.3	81	33	42
Centrale Cervara	5	7.6	2.3	2.9
Centrali Minori	1.2	1.4	1.2	0.9
Totale Terni	83.5	90.-	36.5	45.8
S.R.E.+A.C.E.A.				
Centrali idriche	43	62	29	28
Termiche a vapore	--	--	--	--
Termiche Diesel	--	--	--	--
Totale SRE+ACEA	43.-	62.-	29.-	28.-
U.N.E.S.				
Produzione propria	7	8	5	4.5
TOTALE SISTEMA	133.5	160.-	70.5	78.3
S.E.V.				
Produzione propria	26.5	20	10	12
LARDERELLO				
Produzione a 50 Hertz	17.5	17.5	17.5	11.8
Produzione a 45 Hertz	11.5	11.5	11.5	8
Totale Larderello	29.-	29.-	29.-	19.8
TOTALE ITALIA CENTRALE	189.-	209.-	109.5	110.1
TRASPORTI DAL NORD				
EDISON				
Alla S.E.V. a Ligonchio	76	74.5	75	59.6 6594
BRESSANONE				
Bressanone (A Orte)	35	35	35	24
TOTALE TRASPORTI DAL NORD	111.-	109.5	110	74.6

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

Giugno 1946

TAVOLA II

I T A L I A C E N T R A L E

Ripartizione delle disponibilità tra i diversi Enti

PRODUZIONE T E R N I

Ore	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
T E R N I	39	39	9	18.8
S.R.E. + A.C.E.A.	21.5	21	—	9
U.N.E.S.	23	25	17.5	16
S.M.E.	--	--	10	2
	83.5	90.-	36.5	45.8

PRODUZIONE S.R.E. + A.C.E.A.-

S.R.E. = A.C.E.A.	43	62	29	28

PRODUZIONE U.N.E.S.

U.N.E.S.	7	8	5	4.5

PRODUZIONE S.E.V.

S.E.V.	20.5	12	4	7.5
U.N.E.S. (Orvieto)	0.5	1	0.5	0.5
SRE=ACEA (Nera Montoro)	5.5	7	5.5	4
	26.5	20.-	10.-	12.-

PRODUZIONE LARDERELLO

S.E.V.	17.5	17.5	17.5	11.8
FF.SS.	7	7	7	3
S.M.E.	4.5	4.5	4.5	5
	29.-	29.-	29.-	19.8

TRASPORTO EDISON - LIGONCHIO - TAVERNUZZE

Alla S.E.V.	52	50.5	23.5	27.2
Alla S.R.E.-A.C.E.A.	20	20	15.5	13.
Alle Terni	--	--	30	7.2
Alle FF.SS.	--	--	--	—
Perdite	4	4	6	3.2
	76	74.5	75.-	50.6

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	8-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
T E R N I				
S.R.E. + A.C.E.A.	39	39	9	18.8
U.N.E.S.	21.5	21	—	9
S.M.E.	23	25	17.5	16
	—	—	10	2
	83.5	90.-	36.5	45.8
PRODUZIONE S.R.E. + A.C.E.A.-				
S.R.E. = A.C.E.A.	43	62	29	28
PRODUZIONE U.N.E.S.				
U.N.E.S.	7	8	5	4.5
PRODUZIONE S.E.V.				
S.E.V.	20.5	12	4	7.5
U.N.E.S. (Orvieto)	0.5	1	0.5	0.5
SRE=ACEA (Nera Montoro)	5.5	7	5.5	4
	26.5	20.-	10.-	12.-
PRODUZIONE LARDERELLO				
S.E.V.	17.5	17.5	17.5	11.8
FF.SS.	7	7	7	3
S.M.E.	4.5	4.5	4.5	5
	29.-	29.-	29.-	19.8
TRASPORTO EDISON - LIGONCHIO - TAVERNUZZE				
Alla S.E.V.	52	50.5	23.5	27.2
Alla S.R.E.-A.C.E.A.	20	20	15.5	13
Alla Terni	—	—	30	7.2
Alle FF.SS.	—	—	—	—
Perdite	4	4	6	3.2
	76.-	74.5	75.-	50.6
TRASPORTO EDISON - PIAN DELLA ROCCA - VIA EMILIANA				
Alla S.E.V.	10	—	—	3.5
TRASPORTO BRESSANONE				
Alle FF.SS.	4	4	4	2
Alla S.M.E.	31	31	31	22
	35.-	35.-	35.-	24.-

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

Giugno 1946

TAVOLA III

I T A L I A C E N T R A L E

Assegnazione globale ai diversi Enti

Ore	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
T E R N I				
Produzione propria	397	39	9	18.8
Edison	—	—	30	7.2
Totale	397	39.-	39.-	26.-
FF.SS.				
Larderello	7	7	7	3
Bressanone	4	4	4	2
Totale	11.-	11.-	11.-	5.-
S.R.E. + A.C.E.A.				
Produzione propria	43	62	29	28
Edison (Magliana)	20	20	15.5	13
S.E.V.	5.5	7	5.5	4
Terni	21.5	21	—	9
Totale	90.-	110.-	50.-	54.-
U.N.E.S.				
Produzione propria	7	8	5	4.5
S.E.V. (Orvieto)	0.5	1	0.5	0.5
Terni	23	25	17.5	16
Totale	30.5	34.-	23.-	21.-
S.E.V.				
Produzione propria	20.5	12	4	7.5
Larderello	17.5	17.5	17.5	11.8
Edison	62	50.5	23.5	30.7
Totale	100.-	80.-	45.-	50.-
S.M.E.				
Bressanone	31	31	31	22
	4.5	4.5	4.5	5

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

Edison	—	—	30	7.2
Totale	39.-	39.-	39.-	26.-
FF.SS.				
Larderello	7	7	7	3
Bressanone	4	4	4	2
Totale	11.-	11.-	11.-	5.-
S.R.E. + A.C.E.A.				
Produzione propria	43	62	29	28
Edison (Magliana)	20	20	15.5	13
S.E.V.	5.5	7	5.5	4
Terni	21.5	21	—	9
Totale	90.-	110.-	50.-	54.-
U.N.E.S.				
Produzione propria	7	8	5	4.5
S.E.V. (Orvieto)	0.5	1	0.5	0.5
Terni	23	25	17.5	16
Totale	30.5	34.-	23.-	21.-
S.E.V.				
Produzione propria	20.5	12	4	7.5
Larderello	17.5	17.5	17.5	11.8
Edison	62	50.5	23.5	30.7
Totale	100.-	80.-	45.-	50.-
S.M.E.				
Bressanone	31	31	31	22
Da Larderello	4.5	4.5	4.5	5
Dalla Terni	—	—	10	2
Totale	35.5	35.5	35.5	29.-
Per consumo	35.5	35.5	9.2	20.7
Per invaso nei serbatoi della Sila	—	—	36.3	8.3

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

Giugno 1946

TAVOLA II

I T A L I A C E N T R A L E

Ripartizione delle disponibilità tra i diversi Enti

PRODUZIONE T E R N I

Ore	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
T E R N I	39	39	9	18.8
S.R.E. + A.C.E.A.	21.5	21	—	9
U.N.E.S.	23	25	17.5	16
S.M.E.	—	—	10	2
	83.5	90.-	36.5	45.8

PRODUZIONE S.R.E. + A.C.E.A.-

S.R.E. = A.C.E.A.	43	62	29	28

PRODUZIONE U.N.E.S.

U.N.E.S.	7	8	5	4.5

PRODUZIONE S.E.V.

S.E.V.	20.5	12	4	7.5
U.N.E.S. (Orvieto)	0.5	1	0.5	0.5
SRE-ACEA (Nera Montoro)	5.5	7	5.5	4
	26.5	20.-	10.-	12.-

PRODUZIONE LAVORELLO

S.E.V.	17.5	17.5	17.5	11.8
FF.SS.	7	7	7	3
S.M.E.	4.5	4.5	4.5	5
	29.-	29.-	29.-	19.8

TRASPORTO EDISON - LIGONCHIO - TAVERNUZZE

Alla S.E.V.	52	50.5	23.5	27.2
Alla S.R.E.-A.C.E.A.	20	20	15.5	13.
Alla Terni	—	—	30	7.2
Alle FF.SS.	—	—	—	—
Perdite	4	4	6	3.2
	76.-	74.5	75.-	50.0

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S.R.E. + A.C.E.A.	21.5	21	—	9
U.N.E.S.	23	25	17.5	16
S.M.E.	—	—	10	2
	83.5	90.-	36.5	45.8

PRODUZIONE S.R.E. + A.C.E.A.-

S.R.E. = A.C.E.A.	43	62	29	28

PRODUZIONE U.N.E.S.

U.N.E.S.	7	8	5	4.5

PRODUZIONE S.E.V.

S.E.V.	20.5	12	4	7.5
U.N.E.S. (Orvieto)	0.5	1	0.5	0.5
SRE=ACEA (Nera Montoro)	5.5	7	5.5	4
	26.5	20.-	10.-	12.-

PRODUZIONE LARDERELLO

S.E.V.	17.5	17.5	17.5	11.8
FF.SS.	7	7	7	3
S.M.E.	4.5	4.5	4.5	5
	29.-	29.-	29.-	19.8

TRASPORTO EDISON - LIGONCHIO - TAVERNUZZE

Alla S.E.V.	52	50.5	23.5	27.2
Alla S.R.E.-A.C.E.A.	20	20	15.5	13
Alla Terni	—	—	30	7.2
Alle FF.SS.	—	—	—	—
Perdite	4	4	6	3.2
	76.-	74.5	75.-	50.6

TRASPORTO EDISON - PIAN DELLA ROCCA - VIA EMILIANA

Alla S.E.V.	10	—	—	3.5

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TRASPORTO BRESSANONE

Alle FF.SS.	4	4	4	2
Alla S.M.E.	31	31	31	22
	35.-	35.-	35.-	24.-

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N.B. - La ripartizione suddetta presuppone che col mese di giugno possa effettuarsi il prelievo alla Magliana da parte della S.R.E. dell'energia della Edison fornita a mezzo della Valdarno da Tavernuzze, e che ad Orte sia riparato il trasformatore 120/150.

Nel caso in cui non dovesse verificarsi la prima ipotesi, e per quel tempo che essa non si verificherà l'energia della Edison sarà tutta convogliata a Terni, dove sarà utilizzata per la U.N.E.S. e per gli usi propri della Terni. La produzione di Galleto che corrispondentemente si rende disponibile sarà a 45 periodi e convogliata a Roma a mezzo della linea 150 KV della S.R.E..

Eventuali maggiori quantitativi che fosse possibile trasportare saranno riservati alla S.M.E. per invaso in Sila.

Fino a che non si verificherà la seconda ipotesi si forzerà il trasporto Edison dei 5.5 MW (1) di potenza che verrebbero ad essere mancanti per la deficenza del trasformatore di Orte, rendendo disponibile un eguale quantitativo di energia nella produzione Terni che dovrà essere messa a disposizione per il servizio S.M.E.

(1)	Da Bressanone	35
	Da Larderello	11.5
	Totale 45 periodi	46.5
	di cui alle FF.SS.	11.-
Resta in transito ad Orte		35.5 contro 30 MW del trasformatore.

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Giugno 1946 TAVOLA III

I T A L I A C E N T R A L E

Assegnazione globale ai diversi Enti

Ore	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
T E R N I				
Produzione propria	397	39	9	16.8
Edison	—	—	30	7.2
Totale	397	39.-	39.-	24.-
FF.SS.				
Larderello	7	7	7	3
Bressanone	4	4	4	2
Totale	11.-	11.-	11.-	5.-
S.R.E. + A.C.E.A.				
Produzione propria	43	62	29	28
Edison (Magliana)	20	20	15.5	13
S.E.V.	5.5	7	5.5	4
Terni	21.5	21	—	9
Totale	90.-	110.-	50.-	54.-
U.N.E.S.				
Produzione propria	7	8	5	4.5
S.E.V. (Orvieto)	0.5	1	0.5	0.5
Terni	23	25	17.5	16
Totale	30.5	34.-	23.-	21.-
S.E.V.				
Produzione propria	20.5	12	4	7.5
Larderello	17.5	17.5	17.5	11.8
Edison	62	50.5	23.5	30.7
Totale	100.-	80.-	45.-	50.-
S.M.E.				
Bressanone	31	31	31	22
Da Larderello	4.5	4.5	4.5	5

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FF.SS.				
Larderello	7	7	7	3
Bressanone	4	4	4	2
Totale	11.-	11.-	11.-	5.-
S.R.E. + A.C.E.A.				
Produzione propria	43	62	29	28
Edison (Magliana)	20	20	15.5	13
S.E.V.	5.5	7	5.5	4
Terni	21.5	21	—	9
Totale	90.-	110.-	50.-	54.-
U.N.E.S.				
Produzione propria	7	8	5	4.5
S.E.V. (Orvieto)	0.5	1	0.5	0.5
Terni	23	25	17.5	16
Totale	30.5	34.-	23.-	21.-
S.E.V.				
Produzione propria	20.5	12	4	7.5
Larderello	17.5	17.5	17.5	11.8
Edison	62	50.5	23.5	30.7
Totale	100.-	80.-	45.-	50.-
S.M.E.				
Bressanone	31	31	31	22
Da Larderello	4.5	4.5	4.5	5
Dalla Terni	—	—	10	2
Totale	35.5	35.5	35.5	29.-
Per consumo	35.5	35.5	9.2	20.7
Per invaso nei serbatoi della Sila	—	—	36.3	8.3

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Giugno 1946

TAVOLA IV

I T A L I A C E N T R A L E

Dettagli delle ripartizioni di energia tra i singoli centri di prelievo (Valori riferiti alle Centrali)

ore	6-19 $KW \times 10^3$	19-22 $KW \times 10^3$	22-6 $KW \times 10^3$	$KWh \times 10^6$
TERNI				
Stabilimenti Sociali	33.5	33.5	33.5	21.9
Utenze dirette	5.5	5.5	5.5	4.2
	39.-	39.-	39.-	26.-
FF.SS.	11.-	11.-	11.-	5.-
S.R.E.+A.C.E.A.				
Roma città 45% ACEA 55% SRE	68.-	78.-	36.-	40.-
Roma provincia	2.8	4.-	1.6	1.7
Frosinone	5.1	8.-	2.4	3.1
Viterbo	2.6	4.-	2.-	1.8
Civitavecchia-Latina	11.5	20.-	8.-	7.4
	90.-	110.-	50.-	54.-
U.N.E.S.				
Spoleto	3.8	4.4	4.1	3.1
Perugia & Foligno	5.3	4.1	5.1	3.7
Ancona, Rimini & Costa Adriatica Nord	13.9	17.2	8.3	9.1
Aquila & Costa Adriatica Sud	5.-	5.4	3.1	3.1
Rieti	1.7	1.9	1.8	1.4
Orvieto	0.8	1.-	0.6	0.6
	30.5	34.-	23.-	21.-
S.E.V.	100.-	80.-	45.-	50.-
S.M.E.	35.5	35.5	45.5	29.-
Per consumo	35.5	35.5	9.8	20.7

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TERNI				
Stabilimenti Sociali	33.5	33.5	33.5	21.9
Utenze dirette	5.5	5.5	5.5	4.2
	39.-	39.-	39.-	26.-
FF.SS.	11.-	11.-	11.-	5.-
S.R.E.+A.C.E.A.				
Roma città 45% ACEA 55% SRE	68.-	78.-	36.-	40.-
Roma provincia	2.8	4.-	1.6	1.7
Frosinone	5.1	8.-	2.4	3.1
Viterbo	2.6	4.-	2.-	1.8
Civitavecchia-Latina	11.5	20.-	8.-	7.4
	90.-	110.-	50.-	54.-
U.N.E.S.				
Spoleto	3.8	4.4	4.1	3.1
Perugia & Foligno	5.3	4.1	5.1	3.7
Ancona, Rimini & Costa Adriatica Nord	13.9	17.2	8.3	9.1
Aquila & Costa [illegible]				
Adriatica Sud	5.-	5.4	3.1	3.1
Rieti	1.7	1.9	1.8	1.4
Orvieto	0.8	1.-	0.6	0.6
	30.5	34.-	23.-	21.-
S.E.V.	100.-	80.-	45.-	50.-
S.M.E.	35.5	35.5	45.5	29.-
Per consumo	35.5	35.5	9.2	20.7
Per invaso nei serbatoi Sila	—	—	36.3	8.3

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Giugno 1946

TAVOLA V

I T A L I A M E R I D I O N A L E

Disponibilità di energia nelle centrali di produzione

	Potenza Max KW x 10^3	KWh x 10^6
S I L A		
Centrale Orichella	36.-	
" Timpagrande	70.-	
" Calusia	22.-	
	128.-	55.3
Aventino	4.-	
Calore	3.-	
Tanagro e Tusciano	6.8	
Pescara IV	8.5	
	21.5	15.-
	149.5	70.3
Da Terni	35.5	27.-
	185.-	97.3

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S I L A

Centrale Orichella	36.-	
" Timpagrande	70.-	
" Calusia	22.-	
	128.-	55.3
Aventino	4.-	
Calore	3.-	
Tanagro e Tusciano	6.8	
Pescara IV	8.5	
	21.5	15.-
	149.5	70.3
Da Terni	35.5	27.-
	185.-	97.3

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Giugno 1946 TAVOLA VI

I T A L I A M E R I D I O N A L E

Disponibilità di energia nelle centrali di produzione

ZONA SERVITA	DISPOSIZIONE DI	CARICO MASSIMO 15 Minuti KW x 10^3	ENERGIA KWh x 10^6
PUGLIA	LL.PP.	41.2	22.3
U.N.E.S.	LL.PP.	1.5	0.5
NAPOLI	LL.PP.	42.5	23.-
CAMPANIA:			
1) Frattamaggiore	LL.PP.	3.5	1.4
2) Pomigliano	LL.PP.	2.5	1.2
3) Salerno-Torre Castellammare	LL.PP.	21.-	10.5
4) Benevento	LL.PP.	3.-	1.3
5) Calore	LL.PP.	1.-	0.7
6) Santa Maria	LL.PP.	5.-	2.2
7) Maranola	LL.PP.	1.-	0.7
LUCANIA	LL.PP.	4.-	1.9
CALABRIA	LL.PP.	7.-	2.8
FERROVIE: Zona Napoli	M.R.S.	3.-	1.-
Foggia-Benevento	M.R.S.	8.-	2.4
Salerno-Torre	M.R.S.	3.5	1.5
Villa Literno	M.R.S.	1.5	0.4
Salerno-Reggio	M.R.S.	10.-	2.9
SAVUTO	-	3.-	0.9
MONTECATINI	LL.PP.	8.-	5.4
PERTUSOLA	LL.PP.	2.5	1.8
TOTALE IN SOTTOSTAZIONE		172.7	84.8
TOTALE IN CENTRALE		185.-	97.3

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PUGLIA		LL.PP.	41.2	22.3
U.N.E.S.		LL.PP.	1.5	0.5
NAPOLI		LL.PP.	42.5	23.-
CAMPANIA:				
1) Frattamaggiore		LL.PP.	3.5	1.4
2) Pomigliano		LL.PP.	2.5	1.2
3) Salerno-Torre Castellammare		LL.PP.	21.-	10.5
4) Benevento		LL.PP.	3.-	1.3
5) Calore		LL.PP.	1.-	0.7
6) Santa Maria		LL.PP.	5.-	2.2
7) Maranola		LL.PP.	1.-	0.7
LUCANIA		LL.PP.	4.-	1.9
CALABRIA		LL.PP.	7.-	2.8
FERROVIE:	Zona Napoli	M.R.S.	3.-	1.-
	Foggia-Benevento	M.R.S.	8.-	2.4
	Salerno-Torre	M.R.S.	3.5	1.5
	Villa Literno	M.R.S.	1.5	0.4
	Salerno-Reggio	M.R.S.	10.-	2.9
SAVUTO		-	3.-	0.9
MONTECATINI		LL.PP.	8.-	5.4
PERTUSOLA		LL.PP.	2.5	1.8
TOTALE IN SOTTOSTAZIONE			172.7	84.8
TOTALE IN CENTRALE			185.-	97.3

Fattore di contemporaneità 90%
Perdite in potenza 16%
Perdite di energia 13%

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Maggio 1946

TAVOLA I

ITALIA CENTRALE

Disponibilità di energia nelle centrali di produzione

SISTEMA TERNI - S.R.E. - A.C.E.A. - U.N.E.S.

ore	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
TERNI				
Centrale Galleto	68	81	33	42
Centrale Cervara	5	7.6	2.3	2.9
Centrali Minori	1.2	1.4	1.2	0.9
Totale Terni	74.2	90.-	36.5	45.8
S.R.E. + A.C.E.A.				
Centrali idriche (1)	43	62	29	29.8
Termiche a vapore	—	—	—	—
Termiche Diesel	--	--	--	—
Totale SRE + ACEA	43	62	29	29.8
(1) Compreso Farfa I				
U.N.E.S.				
Produzione propria	7	8	5	4.5
TOTALE SISTEMA	124.2	160.-	70.5	80.1
S.E.V.				
Produzione propria	35	25	10	14
LARDERELLO				
Produzione a 50 Hertz	17.5	17.5	17.5	11.8
Produzione a 45 Hertz	11.5	11.5	11.5	8
Totale Larderello	29	29	29	19.8
TOTALE ITALIA CENTRALE	188.2	2[illegible]4	109.5	113.9
TRASPORTI DAL NORD				
Da Bressanone				
Centrale Bressanone (a 45 Hertz)	25.5	25.5	25.5	18

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Centrale Galleto	68	81	33	42
Centrale Cervara	5	7.6	2.3	2.9
Centrali Minori	1.2	1.4	1.2	0.9
Totale Terni	74.2	90.-	36.5	45.8
S.R.E. + A.C.E.A.				
Centrali idriche (1)	43	62	29	29.8
Termiche a vapore	—	—	—	—
Termiche Diesel	—	—	—	—
Totale SRE + ACEA	43	62	29	29.8
(1) Compreso Farfa I				
U.N.E.S.				
Produzione propria	7	8	5	4.5
TOTALE SISTEMA	124.2	160.-	70.5	80.1
S.E.V.				
Produzione propria	35	25	10	14
LARDERELLO				
Produzione a 50 Hertz	17.5	17.5	17.5	11.8
Produzione a 45 Hertz	11.5	11.5	11.5	8
Totale Larderello	29	29	29	19.8
TOTALE ITALIA CENTRALE	188.2	2[illegible]4	109.5	113.9
TRASPORTI DAL NORD				
Da Bressanone				
Centrale Bressanone (a Orte) a 45 Hertz	25.5	25.5	25.5	18
Dalla Edison				
Alla S.E.V. a Ligonchio	75	75	75	52
" " a Pian della Rocca	8	8.5	—	3.2
	83	83.5	75	55.2
Totale trasporti dal Nord	108.5	109.-	100.5	73.2

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Modello 19

TAVOLA II

I T A L I A C E N T R A L E

Ripartizione delle disponibilità tra i diversi ENTI

PRODUZIONE T E R N I

Ore	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
T E R N I	36.2	39	19	23.4
S.R.E. + A.C.E.A.	15	26	—	6.4
U.N.E.S.	23	25	17.5	16
	74.2	90	36.5	45.8

PRODUZIONE S.R.E. + A.C.E.A.

S.R.E. + A.C.E.A.	43	62	29	29.8

PRODUZIONE U.N.E.S.

U.N.E.S.	7	8	5	4.5

PRODUZIONE S.E.V.

S.E.V.	27.5	17	2.5	8.5
U.N.E.S.(Orvieto)	0.5	1	0.5	0.5
S.R.E.+A.C.E.A. (Nera Montoro)	7	7	7	5
	35	25	10	14

PRODUZIONE LARDERELLO

S.E.V. (50 Hz)	17.5	17.5	17.5	11.8
FF.SS.(a Giuncano a 45 Hertz)	7	7	7	8
U.N.E.S.(45 Hertz a Galleto)	3	3	2	
S.M.E. (45 Hertz a Galleto)	1.5	1.5	1.5	
	29	29	29	19.8

TRASPORTO EDISON - LIGONCHIO - TAVERNUZZE

a) Alla S.E.V.	47	47	29	28.5
b) Alla SRE+ACEA (alla Magliana	20	20	15	13.4
c) Alla Terni (a Galleto)	--	--	21	5

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	74.2	90	36.5	45.8
PRODUZIONE S.R.E. + A.C.E.A.				
S.R.E. + A.C.E.A.	43	62	29	29.8
PRODUZIONE U.N.E.S.				
U.N.E.S.	7	8	5	4.5
PRODUZIONE S.E.V.				
S.E.V.	27.5	17	2.5	8.5
U.N.E.S.(Orvieto)	0.5	1	0.5	0.5
S.R.E.+A.C.E.A. (Nera Montoro)	7	7	7	5
	35	25	10	14
PRODUZIONE LARDERELLO				
S.E.V. (50 Hz)	17.5	17.5	17.5	11.8
FF.SS.(a Giuncano a 45 Hertz)	7	7	7	8
U.N.E.S.(45 Hertz a Galleto)	3	3	2	
S.M.E. (45 Hertz a Galleto)	1.5	1.5	1.5	
	29	29	29	19.8
TRASPORTO EDISON - LIGONCHIO - TAVERNUZZE				
a) Alla S.E.V.	47	47	29	28.5
b) Alla SRE+ACEA (alla Maglianа	20	20	15	13.4
c) Alla Terni (a Galleto)	--	--	21	5
d) Alle FF.SS. (Chiusi-Orte)	4	4	4	2
e) Perdite	4	4	6	3.1
	75	75	75	52
TRASPORTO EDISON - PIAN DELLA ROCCA - VIA EMILIANA				
Alla S.E.V. (a Pian della Rocca	8	8.5	--	6587 5.2
TRASPORTO BRESSANONE				
Alla S.M.E. (via Galleto)	25.5	25.5	25.5	18.-

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N.B. alla TEVOLA II

a) - Si è previsto di utilizzare al completo la capacità di trasporto a Ligonchio riservando alla Terni la disponibilità notturne sulla fornitura Edison.

b) - Tutte le disponibilità di energia sul sistema a 45 periodi vanno invasate nei serbatoi della Sila. Si potranno eventualmente riportate su tale sistema anche le disponibilità del sistema a 50 Hertz attraverso le macchine di Galleto e limitatamente a quanto consente il lago di Piediluco.

c) - Per utilizzare al massimo l'energia di Bressanone si è previsto di alimentare le FF.SS a Giuncano a 120 KV da Orte senza impegnare il trasformatore 120-150 KV.

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Maggio 1946

TAVOLA III

I T A L I A C E N T R A L E

Assegnazione globale ai diversi ENTI

Ore	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
T E R N I				
Produzione propria	36.2	39	19	23.4
Edison	--	--	21	5
Totale	36.2	39	40	28.4
FF.SS.				
Larderello (45 Hz Giuncano	7	7	7	3
Edison (Chiusi-Orte 50 Hz)	4	4	4	2
Totale	11	11	11	5
S.R.E. + A.C.E.A.				
Produzione propria	43	62	29	29.8
S.E.V. (Nera Montoro)	7	7	7	5
TERNI	15	26	—	6.4
Edison (Magliana)	20	20	15	13.4
Totale	85	115	51	54.6
U.N.E.S.				
Produzione propria	7	8	5	4.5
S.E.V. (Orvieto)	0.5	1	0.5	0.5
TERNI (Galleto)	23	25	17.5	16
Larderello (45 Hz Galleto)	3	3	2	2
Totale	33.5	37	25	23
S.E.V.				
Produzione propria	27.5	17	2.5	8.5
Larderello (50 Hertz)	17.5	17.5	17.5	11.8
Edison a Ligonchio	47	47	29	28.5
Edison a Pian della Rocca	8	8.5	--	3.2
Totale	100.-	90.-	49.-	52.-
S.M.E.				
Bressanone	25.5	25.5	25.5	18
Larderello	1.5	1.5	2.5	1.5
Totale				

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Totale	36.2	39	40	28.4
FF.SS.				
Larderello (45 Hz Giuncano	7	7	7	3
Edison (Chiusi-Orte 50 Hz)	4	4	4	2
Totale	11	11	11	5
S.R.E. + A.C.E.A.				
Produzione propria	43	62	29	29.8
S.E.V. (Nera Montoro)	7	7	7	5
TERNI	15	26	—	6.4
Edison (Magliana)	20	20	15	13.4
Totale	85	115	51	54.6
U.N.E.S.				
Produzione propria	7	8	5	4.5
S.E.V. (Orvieto)	0.5	1	0.5	0.5
TERNI (Galleto)	23	25	17.5	16
Larderello (45 Hz Galleto)	3	3	2	2
Totale	33.5	37	25	23
S.E.V.				
Produzione propria	27.5	17	2.5	8.5
Larderello (50 Hertz)	17.5	17.5	17.5	11.8
Edison a Ligonchio	47	47	29	28.5
Edison a Pian della Rocca	8	8.5	—	3.2
Totale	100.-	90.-	49.-	52.-
S.M.E.				
Bressanone	25.5	25.5	25.5	18
Larderello	1.5	1.5	2.5	1.5
Totale	27.-	27.-	28.-	19.5
Per consumo (1)	27.-	27.-	6.-	17.7

(1) La rimanenza va invasata nei serbatoi della SILA.-

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Maggio 1946

TAVOLA IV

I T A L I A C E N T R A L E

Dettagli delle ripartizioni di energia tra i singoli centri di prelievo (Valori riferiti alle Centrali)

Ore	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
TERNI				
Stabilimenti Sociali	30.7	25.5	34.5	24.3
Utenze dirette	5.5	5.5	5.5	4.1
	36.2	39.-	40.-	28.4
FF.SS.	11	11	11	5
S.R.E. + A.C.E.A.				
Roma città (45% ACEA, 55% SRE)	64	78	37	40.6
Roma provincia	2.7	4	1.6	1.7
Frosinone	4.8	8	2.4	3.1
Viterbo	2.5	4	2	1.8
Civitavecchia-Latina	11	20	8	7.4
	85	110	51	54.6
U.N.E.S.				
Spoleto	4.2	4.8	4.5	3.4
Perugia & Foligno	5.8	4.5	5.55	4
Ancona Rimini e Costa Adriatica Nord	15.3	18.8	9	10.1
Aquila & Costa Adriatica Sud	5.5	5.9	3.4	3.4
Rieti	1.9	2	1.95	1.5
Orvieto	0.8	1	0.6	0.6
	33.5	37.-	25.-	23.-
S.E.V.	100.-	90.-	49.-	52.-
S.M.E.	27.-	27.-	28.-	19.5
Per consumo (1)	27.-	27.-	6.-	17.7

(1) La rimanenza va invasata nei serbatoi della SILA.-

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	36.2	39.-	40.-	20.4
FF.SS.	11	11	11	5
S.R.E. + A.C.E.A.				
Roma città (45% ACEA 55% SRE)	64	78	37	40.6
Roma provincia	2.7	4	1.6	1.7
Frosinone	4.8	8	2.4	3.1
Viterbo	2.5	4	2	1.8
Civitavecchia-Latina	11	20	8	7.4
	85	110'	51	54.6
U.N.E.S.				
Spoleto	4.2	4.8	4.5	3.4
Perugia & Foligno	5.8	4.5	5.55	4
Ancona Rimini e Costa Adriatica Nord	15.3	18.8	9	10.1
Aquila & Costa Adriatica Sud	5.5	5.9	3.4	3.4
Rieti	1.9	2	1.95	1.5
Orvieto	0.8	1	0.6	0.6
	33.5	37.-	25.-	23.-
S.E.V.	100.-	90.-	49.-	52.-
S.M.E.	27.-	27.-	28.-	19.5
Per consumo (1)	27.-	27.-	6.-	17.7

(1) La rimanenza va invasata nei serbatoi della SILA.-

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Maggio 1946

TAVOLA V

I T A L I A M E R I D I O N A L E

Disponibilità di energia nelle centrali di produzione

	Potenza Max Kw x 10^3		Kwh x 10^6
S I L A			
Centrale Orichella	36		
" Timpagrande	70		
" Calusia	22		
		128.	70.3
Centrale Lete	5.5		
" Matese	5.5		
" Aventino	4.5		
" Tanagro e Tuscianc	8.5		
" Calore	3.5		
		27.5	14
		155.5	
Da Terni (Bressanone Larderello)		27	17.7
		182.5	102.0

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S I L A

Centrale	Orichella	36		
"	Timpagrande	70		
"	Calusia	22		
			128	70.3
Centrale	Lete	5.5		
"	Matese	5.5		
"	Aventino	4.5		
"	Tanagro e Tusciano	8.5		
"	Calore	3.5		
			27.5	14
			155.5	
Da Terni (Bressanone Larderello)			27	17.7
			182.5	102.0

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Maggio 1946 — TAVOLA VI^

I T A L I A M E R I D I O N A L E

Disponibilità di energia nelle centrali di produzione

ZONA SERVITA	DISPOSIZIONE DI	CARICO MASSIMO 15 Minuti Kw x 10^3	ENERGIA Kwh x 10^6
PUGLIA	LL.PP.	40.-	22.4
U.N.E.S.	LL.PP.	1.5	0.5
NAPOLI	LL.PP.	42.3	24.9
CAMPANIA:			
1) Frattamaggiore	LL.PP.	3.5	1.5
2) Pomigliano	LL.PP.	2.5	1.2
3) Salerno - Torre Castellammare	LL.PP.	21 -	11 -
4) Benevento	LL.PP.	3 -	1.4
5) Calore	LL.PP.	1 -	0.7
6) Santa Maria	LL.PP.	5 -	2.3
7) Maranola	LL.PP.	1 -	0.7
LUCANIA	LL.PP.	4 -	2 -
CALABRIA	LL.PP.	7 -	3.2
FF.SS. NAPOLI	M.R.S.	3 -	1 -
Foggia-Benevento	M.R.S.	8 -	2.4
Salerno-Torre	M.R.S.	3.5 -	1.5
Villa Literno	M.R.S.	1.5	0.4
Salernc - Reggio	M.R.S.	10 -	3 -
SAVUTO	LL.PP.	3 -	1.4
Montecatini-Crotone	LL.PP.	8	5.5
Pertusola	LL.PP.	2.5	1.8
		171.3	88.8
TOTALE IN CENTRALE		182.5	102 -

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PUGLIA	LL.PP.	40.-	22.4
U.N.E.S.	LL.PP.	1.5	0.5
NAPOLI	LL.PP.	42.3	24.9
CAMPANIA:			
1) Frattamaggiore	LL.PP.	3.5	1.5
2) Pomigliano	LL.PP.	2.5	1.2
3) Salerno - Torre Castellammare	LL.PP.	21 -	11 -
4) Benevento	LL.PP.	3 -	1.4
5) Calore	LL.PP.	1 -	0.7
6) Santa Maria	LL.PP.	5 -	2.3
7) Maranola	LL.PP.	1 -	0.7
LUCANIA	LL.PP.	4 -	2 -
CALABRIA	LL.PP.	7 -	3.2
FF.SS. NAPOLI	M.R.S.	3 -	1 -
Foggia-Benevento	M.R.S.	8 -	2.4
Salerno-Torre	M.R.S.	3.5 -	1.5
Villa Literno	M.R.S.	1.5	0.4
Salernc - Reggio	M.R.S.	10 -	3 -
SAVUTO	LL.PP.	3 -	1.4
Montecatini-Crotone	LL.PP.	8	5.5
Pertusola	LL.PP.	2.5	1.8
		171.3	88.8
TOTALE IN CENTRALE		182.5	102 -

Fattore di contemporaneità	90%
Perdite in potenza	16%
Perdite in energia	13%

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Maggio 1946 TAVOLA I

I T A L I A C E N T R A L E

Disponibilità di energia nelle centrali di produzione

SISTEMA TERNI - S.R.E. - A.C.E.A. - U.N.E.S.

ore	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
T E R N I				
Centrale Galleto	68	81	33	42
Centrale Cervara	5	7.6	2.3	2.9
Centrali Minori	1,2	1.4	1.2	0.9
Totale Terni	74.2	90.-	36.5	45.8
S.R.E. + A.C.E.A.				
Centrali idriche (1)	43	62	29	29.8
Termiche a vapore	—	—	—	—
Termiche Diesel	--	--	--	--
Totale SRE + ACEA	43	62	29	29.8
(1) Compreso Farfa I				
U.N.E.S.				
Produzione propria	7	8	5	4.5
TOTALE SISTEMA	124.2	160.-	70.5	80.1
S.E.V.				
Produzione propria	35	25	10	14
LARDERELLO				
Produzione a 50 Hertz	17.5	17.5	17.5	11.8
Produzione a 45 Hertz	11.5	11.5	11.5	8
Totale Larderello	29	29	29	19.8
TOTALE ITALIA CENTRALE	188.2	2[illegible]4	109.5	113.9
TRASPORTI DAL NORD				
Da Bressanone				
Centrale Bressanone (a Orte) a 45 Hertz	25.5	25.5	25.5	18

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Centrale Cervara	5	7.6	2.3	2.9
Centrali Minori	1,2	1.4	1.2	0.9
Totale Terni	74.2	90.-	36.5	45.8
S.R.E. + A.C.E.A.				
Centrali idriche (1)	43	62	29	29.8
Termiche a vapore	—	—	—	—
Termiche Diesel	—	—	—	—
Totale SRE + ACEA	43	62	29	29.8
(1) Compreso Farfa I				
U.N.E.S.				
Produzione propria	7	8	5	4.5
TOTALE SISTEMA	124.2	160.-	70.5	80.1
S.E.V.				
Produzione propria	35	25	10	14
LARDERELLO				
Produzione a 50 Hertz	17.5	17.5	17.5	11.8
Produzione a 45 Hertz	11.5	11.5	11.5	8
Totale Larderello	29	29	29	19.8
TOTALE ITALIA CENTRALE	188.2	2[illegible]4	109.5	113.9
TRASPORTI DAL NORD				
Da Bressanone				
Centrale Bressanone (a Orte) a 45 Hertz	25.5	25.5	25.5	18
Dalla Edison				
Alla S.E.V. a Ligonchio	75.	75	75	6582
" " a Pian della Rocca	8	8.5	—	3.2
	83	83.5	75	55.2
Totale trasporti dal Nord	108.5	109.-	100.5	73.2

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N.B. alla Tavola I

a) - Nella produzione della S.R.E. è stato calcolato l'apporto di Farfa I. Fintanto che tale centrale non sia andata in servizio si ridurranno proporzionalmente le disponibilità alla Terni (Stabilimenti propri) che conseguentemente provvederà alla fornitura della differenza calcolata in 7 MW continui.

b) - A Galleto parte del macchinario funzionerà a 45 Hertz in parallelo con il sistema Larderello-Bressanone e parte a 50 Hertz in parallelo col sistema Edison.
La produzione sull'uno o l'altro sistema sarà regolata in maniera di tendere al miglior sfruttamento dell'energia proveniente dal Nord e ciò ben inteso limitatamente alle possibilità che offre il lago di Piediluco.

c) - Il trasporto della Edison a Ligonchio è limitato dalla capacità delle due terne stabilita in 75 MW complessivi.
A tavernuzze si sono previsti disponibili per l'Italia Centrale 24 MW (20 alla S.R.E. alla Magliana e 4 all. FF.SS.) oltre le perdite.

d) - Il trasporto da Bressanone è limitato dalla capacità del trasformatore di Orte di 30 MVA che viene impegnato per 25.5 MW con la produzione di Bressanone e 4.5 MW con quella di Larderello supponendo di fare il trasporto a Cos.φ 1.

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Maggio 19

TAVOLA II

I T A L I A C E N T R A L E

Ripartizione delle disponibilità tra i diversi ENTI

PRODUZIONE T E R N I

Ore	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
T E R N I	36.2	39	19	23.4
S.R.E. + A.C.E.A.	15	26	—	6.4
U.N.E.S.	23	25	17.5	16
	74.2	90	36.5	45.8

PRODUZIONE S.R.E. + A.C.E.A.

S.R.E. + A.C.E.A.	43	62	29	29.8

PRODUZIONE U.N.E.S.

U.N.E.S.	7	8	5	4.5

PRODUZIONE S.E.V.

S.E.V.	27.5	17	2.5	8.5
U.N.E.S.(Orvieto)	0.5	1	0.5	0.5
S.R.E.+A.C.E.A. (Nera Montoro)	7	7	7	5
	35	25	10	14

PRODUZIONE LARDERELLO

S.E.V. (50 Hz)	17.5	17.5	17.5	11.8
FF.SS.(a Giuncano a 45 Hertz)	7	7	7	8
U.N.E.S.(45 Hertz a Galleto)	3	3	2	
S.M.E. (45 Hertz a Galleto)	1.5	1.5	1.5	
	29	29	29	19.8

TRASPORTO EDISON - LIGONCHIO - TAVERNUZZE

a) Alla S.E.V.	47	47	29	28.5
b) Alla SRE+ACEA (alla Maglianna	20	20	15	13.4
c) Alla Terni (a Gal				

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U.N.E.S.	23	25	17.5	16
	74.2	90	36.5	45.8

PRODUZIONE S.R.E. + A.C.E.A.

S.R.E. + A.C.E.A.	43	62	29	29.8

PRODUZIONE U.N.E.S.

U.N.E.S.	7	8	5	4.5

PRODUZIONE S.E.V.

S.E.V.	27.5	17	2.5	8.5
U.N.E.S.(Orvieto)	0.5	1	0.5	0.5
S.R.E.+A.C.E.A. (Nera Montoro)	7	7	7	5
	35	25	10	14

PRODUZIONE LARDERELLO

S.E.V. (50 Hz)	17.5	17.5	17.5	11.8
FF.SS.(a Giuncano a 45 Hertz)	7	7	7	8
U.N.E.S.(45 Hertz a Galleto)	3	3	2	
S.M.E. (45 Hertz a Galleto)	1.5	1.5	1.5	
	29	29	29	19.8

TRASPORTO EDISON - LIGONCHIO - TAVERNUZZE

a) Alla S.E.V.	47	47	29	28.5
b) Alla SRE+ACEA (alla Magliana	20	20	15	13.4
c) Alla Terni (a Galleto)	--	--	21	5
d) Alle FF.SS. (Chiusi-Orte)	4	4	4	2
e) Perdite	4	4	6	3.1
	75	75	75	52

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TRASPORTO EDISON - PIAN DELLA ROCCA - VIA EMILIANA

Alla S.E.V. (a Pian della Rocca	8	8.5	--	3.2

TRASPORTO BRESSANONE

Alla S.M.E. (via Galleto)	25.5	25.5	25.5	18.-

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N.B. alla TEVOLA II

a) - Si è previsto di utilizzare al completo le capacità di trasporto a Ligonchio riservando alla Terni le disponibilità notturne sulla fornitura Edison.

b) - Tutte le disponibilità di energia sul sistema a 45 periodi vanno invasate nei serbatoi della Sila. Si potranno eventualmente riportare su tale sistema anche le disponibilità del sistema a 50 Hertz attraverso le macchine di Galleto e limitatamente a quanto consente il lago di Piediluco.

c) - Per utilizzare al massimo l'energia di Bressanone si è previsto di alimentare le FF.SS a Giuncano a 120 KV da Orte senza impegnare il trasformatore 120-150 KV.

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Maggio 1946 — TAVOLA III

I T A L I A C E N T R A L E

Assegnazione globale ai diversi ENTI

Ore	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
T E R N I				
Produzione propria	36.2	39	19	23.4
Edison	--	--	21	5
Totale	36.2	39	40	28.4
FF.SS.				
Larderello (45 Hz Giuncano	7	7	7	3
Edison (Chiusi-Orte 50 Hz)	4	4	4	2
Totale	11	11	11	5
S.R.E. + A.C.E.A.				
Produzione propria	43	62	29	29.8
S.E.V. (Nera Montoro)	7	7	7	5
TERNI	15	26	—	6.4
Edison (Magliana)	20	20	15	13.4
Totale	85	115	51	54.6
U.N.E.S.				
Produzione propria	7	8	5	4.5
S.E.V. (Orvieto)	0.5	1	0.5	0.5
TERNI (Galleto)	23	25	17.5	16
Larderello (45 Hz Galleto)	3	3	2	2
Totale	33.5	37	25	23
S.E.V.				
Produzione propria	27.5	17	2.5	8.5
Larderello (50 Hertz)	17.5	17.5	17.5	11.8
Edison a Ligonchio	47	47	29	28.5
Edison a Pian della Rocca	8	8.5	--	3.2
Totale	100.-	90.-	49.-	52.-
S.M.E.				
Pressanone	25.5	25.5	25.5	18

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T E R N I				
Produzione propria	36.2	39	19	23.4
Edison	--	--	21	5
Totale	36.2	39	40	28.4
FF.SS.				
Larderello (45 Hz Giuncano	7	7	7	3
Edison (Chiusi-Orte 50 Hz)	4	4	4	2
Totale	11	11	11	5
S.R.E. + A.C.E.A.				
Produzione propria	43	62	29	29.8
S.E.V. (Nera Montoro)	7	7	7	5
TERNI	15	26	—	6.4
Edison (Magliana)	20	20	15	13.4
Totale	85	115	51	54.6
U.N.E.S.				
Produzione propria	7	8	5	4.5
S.E.V. (Orvieto)	0.5	1	0.5	0.5
TERNI (Galleto)	23	25	17.5	16
Larderello (45 Hz Galleto)	3	3	2	2
Totale	33.5	37	25	23
S.E.V.				
Produzione propria	27.5	17	2.5	8.5
Larderello (50 Hertz)	17.5	17.5	17.5	11.8
Edison a Ligonchio	47	47	29	28.5
Edison a Pian della Rocca	8	8.5	--	3.2
Totale	100.-	90.-	49.-	52.-
S.M.E.				
Bressanone	25.5	25.5	25.5	18
Larderello	1.5	1.5	2.5	1.5
Totale	27.-	27.-	28.-	19.5
Per consumo (1)	27.-	27.-	6.-	17.7

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(1) La rimanenza va invasata nei serbatoi della SILA.-

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Maggio 1946

TAVOLA IV

I T A L I A C E N T R A L E

Dettagli delle ripartizioni di energia tra i singoli centri di prelievo (Valori riferiti alle Centrali)

Ore	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
TERNI				
Stabilimenti Sociali	30.7	25.5	34.5	24.3
Utenze dirette	5.5	5.5	5.5	4.1
	36.2	39.-	40.-	28.4
FF.SS.	11	11	11	5
S.R.E. + A.C.E.A.				
Roma città (45% ACEA, 55% SRE)	64	78	37	40.6
Roma provincia	2.7	4	1.6	1.7
Frosinone	4.8	8	2.4	3.1
Viterbo	2.5	4	2	1.8
Civitavecchia-Latina	11	20	8	7.4
	85	110	51	54.6
U.N.E.S.				
Spoleto	4.2	4.8	4.5	3.4
Perugia & Foligno	5.8	4.5	5.55	4
Ancona Rimini e Costa Adriatica Nord	15.3	18.3	9	10.1
Aquila & Costa Adriatica Sud	5.5	5.9	3.4	3.4
Rieti	1.9	2	1.95	1.5
Orvieto	0.8	1	0.6	0.6
	33.5	37.-	25.-	23.-
S.E.V.	100.-	90.-	49.-	52.-
S.M.E.	27.-	27.-	28.-	19.5
Per consumo (1)	27.-	27.-	6.-	17.7

(1) La rimanenza va invasata nei serbatoi della SILA.-

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Utenze dirette	5.5	5.5	5.5	4.1
	36.2	39.-	40.-	28.4
FF.SS.	11	11	11	9
S.R.E. + A.C.E.A.				
Roma città (45% ACEA, 55% SRE)	64	78	37	40.6
Roma provincia	2.7	4	1.6	1.7
Frosinone	4.8	8	2.4	3.1
Viterbo	2.5	4	2	1.8
Civitavecchia-Latina	11	20	8	7.4
	85	110	51	54.6
U.N.E.S.				
Spoleto	4.2	4.8	4.5	3.4
Perugia & Foligno	5.8	4.5	5.55	4
Ancona Rimini e Costa Adriatica Nord	15.3	18.8	9	10.1
Aquila & Costa Adriatica Sud	5.5	5.9	3.4	3.4
Rieti	1.9	2	1.95	1.5
Orvieto	0.8	1	0.6	0.6
	33.5	37.-	25.-	23.-
S.E.V.	100.-	90.-	49.-	52.-
S.M.E.	27.-	27.-	28.-	19.9
Per consumo (1)	27.-	27.-	6.-	17.7

(1) La rimanenza va invasata nei serbatoi della SILA.-

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Maggio 1946

TAVOLA V

I T A L I A M E R I D I O N A L E

Disponibilità di energia nelle centrali di produzione

		Potenza Max Kw x 10^3	Kwh x 10^6
S I L A			
Centrale	Orichella	36	
"	Timpagrande	70	
"	Calusia	22	
		128	70.3
Centrale	Lete	5.5	
"	Matese	5.5	
"	Aventino	4.5	
"	Tanagro e Tusciano	8.5	
"	Calore	3.5	
		27.5	14
		155.5	
Da Terni (Bressanone Larderello)		27	17.7
		182.5	102.0

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	Potenza Max Kw x 10^3		Kwh x 10^6
S I L A			
Centrale Orichella	36		
" Timpagrande	70		
" Calusia	22		
		128	70.3
Centrale Lete	5.5		
" Matese	5.5		
" Aventino	4.5		
" Tanagro e Tusciano	8.5		
" Calore	3.5		
		27.5	14
		155.5	
Da Terni (Bressanone Larderello)	27		17.7
		182.5	102.0

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Maggio 1946

TAVOLA VI^

I T A L I A M E R I D I O N A L E

Disponibilità di energia nelle centrali di produzione

ZONA SERVITA	DISPOSIZIONE DI	CARICO MASSIMO 15 Minuti Kw x 10^3	ENERGIA Kwh x 10^6
PUGLIA	LL.PP.	40.-	22.4
U.N.E.S.	LL.PP.	1.5	0.5
NAPOLI	LL.PP.	42.3	24.9
CAMPANIA:			
1) Frattamaggiore	LL.PP.	3.5	1.5
2) Pomigliano	LL.PP.	2.5	1.2
3) Salerno - Torre Castellammare	LL.PP.	21 -	11 -
4) Benevento	LL.PP.	3 -	1.4
5) Calore	LL.PP.	1 -	0.7
6) Santa Maria	LL.PP.	5 -	2.3
7) Maranola	LL.PP.	1 -	0.7
LUCANIA	LL.PP.	4 -	2 -
CALABRIA	LL.PP.	7 -	3.2
FF.SS. NAPOLI	M.R.S.	3 -	1 -
Foggia-Benevento	M.R.S.	8 -	2.4
Salerno-Torre	M.R.S.	3.5	1.5
Villa Literno	M.R.S.	1.5	0.4
Salerno - Reggio	M.R.S.	10 -	3 -
SAVUTO	LL.PP.	3 -	1.4
Montecatini-Crotone	LL.PP.	8	5.5
Pertusola	LL.PP.	2.5	1.8
		171.3	88.8
TOTALE IN CENTRALE		182.5	102 -

Fattore di contemporaneità 90%

Perdite in potenza 16%

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PUGLIA	LL.PP.	40.-	22.4
U.N.E.S.	LL.PP.	1.5	0.5
NAPOLI	LL.PP.	42.3	24.9
CAMPANIA:			
1) Frattamaggiore	LL.PP.	3.5	1.5
2) Pomigliano	LL.PP.	2.5	1.2
3) Salerno - Torre Castellammare	LL.PP.	21 -	11 -
4) Benevento	LL.PP.	3 -	1.4
5) Calore	LL.PP.	1 -	0.7
6) Santa Maria	LL.PP.	5 -	2.3
7) Maranola	LL.PP.	1 -	0.7
LUCANIA	LL.PP.	4 -	2 -
CALABRIA	LL.PP.	7 -	3.2
FF.SS. NAPOLI	M.R.S.	3 -	1 -
Foggia-Benevento	M.R.S.	8 -	2.4
Salerno-Torre	M.R.S.	3.5	1.5
Villa Literno	M.R.S.	1.5	0.4
Salerno - Reggio	M.R.S.	10 -	3 -
SAVUTO	LL.PP.	3 -	1.4
Montecatini-Crotone	LL.PP.	8	5.5
Pertusola	LL.PP.	2.5	1.8
		171.3	88.8
TOTALE IN CENTRALE		182.5	102 -

Fattore di contemporaneità 90%
Perdite in potenza 16%
Perdite in energia 13%

6577

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Maggio 1946

May

TAVOLA I

I T A L I A C E N T R A L E

Disponibilità di energia nelle centrali di produzione

SISTEMA TERNI - S.R.E. - A.C.E.A. - U.N.E.S.

cre

	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
T E R N I				
Centrale Galleto	68	81	33	42
Centrale Cervara	5	7.6	2.3	2.9
Centrali Minori	1.2	1.4	1.2	0.9
Totale Terni	74.2	90.-	36.5	45.8
S.R.E. + A.C.E.A.				
Centrali idriche (1)	43	62	29	29.8
Termiche a vapore	—	—	—	—
Termiche Diesel	--	--	--	--
Totale SRE + ACEA	43	62	29	29.8
(1) Compreso Farfa I				
U.N.E.S.				
Produzione propria	7	8	5	4.5
TOTALE SISTEMA	124.2	160.-	70.5	80.1
S.E.V.				
Produzione propria	35	25	10	14
LARDERELLO				
Produzione a 50 Hertz	17.5	17.5	17.5	11.8
Produzione a 45 Hertz	11.5	11.5	11.5	8
Totale Larderello	29	29	29	19.8
TOTALE ITALIA CENTRALE	188.2	2m4	109.5	113.9

TRASPORTI DAL NORD

Da Bressanone

Centrale Bressanone (a Orte) a 45 Hertz	25.5	25.5	25.5	

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	KW x 10^3	KW x 10^3	KW x 10^3	x 10^6
TERNI				
Centrale Galleto	68	81	33	42
Centrale Cervara	5	7.6	2.3	2.9
Centrali Minori	1.2	1.4	1.2	0.9
Totale Terni	74.2	90.-	36.5	45.8
S.R.E. + A.C.E.A.				
Centrali idriche (1)	43	62	29	29.8
Termiche a vapore	—	—	—	—
Termiche Diesel	—	—	—	—
Totale SRE + ACEA	43	62	29	29.8
(1) Compreso Farfa I				
U.N.E.S.				
Produzione propria	7	8	5	4.5
TOTALE SISTEMA	124.2	160.-	70.5	80.1
S.E.V.				
Produzione propria	35	25	10	14
LARDERELLO				
Produzione a 50 Hertz	17.5	17.5	17.5	11.8
Produzione a 45 Hertz	11.5	11.5	11.5	8
Totale Larderello	29	29	29	19.8
TOTALE ITALIA CENTRALE	188.2	2[illegible]4	109.5	113.9
TRASPORTI DAL NORD				
Da Bressanone				
Centrale Bressanone (a Orte) a 45 Hertz	25.5	25.5	25.5	18
Dalla Edison				
Alla S.E.V. a Ligonchio	75	75	75	52
" " a Pian della Roc ca Emerg. Emiliana	8	8.5	—	3.2
	83	83.5	75	55.2
Totale trasporti dal Nord	108.5	109.-	100.5	73.2

6575

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N.B. alla Tavola I

a) - Nella produzione della S.R.E. è stato calcolato l'apporto di Farfa I. Fintanto che tale centrale non sia andata in servizio si ridurranno proporzionalmente le disponibilità alla Terni (Stabilimenti propri) che conseguentemente provvederà alla fornitura della differenza calcolata in 7 MW continui.

b) - A Galleto parte del macchinario funzionerà a 45 Hertz in parallelo con il sistema Larderello-Bressanone e parte a 50 Hertz in parallelo col sistema Edison.
La produzione sull'uno o l'altro sistema sarà regolata in maniera di tendere al miglior sfruttamento dell'energia proveniente dal Nord e ciò ben inteso limitatamente alle possibilità che offre il lago di Piediluco.

c) - Il trasporto della Edison a Ligonchio è limitato dalla capacità delle due terne stabilita in 75 MW complessivi.
A tavernuzze si sono previsti disponibili per l'Italia Centrale 24 MW (20 alla S.R.E. alla Magliana e 4 all. FF.SS.) oltre le perdite.

d) - Il trasporto da Bressanone è limitato dalla capacità del trasformatore di Orte di 30 MVA che viene impegnato per 25.5 MW con la produzione di Bressanone e 4.5 MW con quella di Larderello supponendo di fare il trasporto a Cos.φ 1.

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Maggio 1946

TAVOLA II

I T A L I A C E N T R A L E

Ripartizione delle disponibilità tra i diversi ENTI

PRODUZIONE T E R N I

Ore	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
T E R N I	36.2	39	19	23.4
S.R.E. + A.C.E.A.	15	26	—	6.4
U.N.E.S.	23	25	17.5	16
	74.2	90	36.5	45.8

PRODUZIONE S.R.E. + A.C.E.A.

S.R.E. + A.C.E.A.	43	62	29	29.8

PRODUZIONE U.N.E.S.

U.N.E.S.	7	8	5	4.5

PRODUZIONE S.E.V.

S.E.V.	27.5	17	2.5	8.5
U.N.E.S.(Orvieto)	0.5	1	0.5	0.5
S.R.E.+A.C.E.A. (Nera Montoro)	7	7	7	5
	35	25	10	14

PRODUZIONE LARDERELLO

S.E.V. (50 Hz)	17.5	17.5	17.5	11.8
FF.SS.(a Giuncano a 45 Hertz)	7	7	7	8
U.N.E.S.(45 Hertz a Galleto)	3	3	2	
S.M.E. (45 Hertz a Galleto)	1.5	1.5	1.5	
	29	29	29	19.8

TRASPORTO EDISON - LIGONCHIO - TAVERNUZZE

a) Alla S.E.V.	47	47	29	28.5
b) Alla SRE+ACEA (alla Magliana	20	20	15	13.4
c) Alla Terni (a Galleto)	--	--	21	5
d) Alle FF.SS. (Chiusi-Orte)	4	4	4	2

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S.R.E. + A.C.E.A.	15	26	—	6.4
U.N.E.S.	23	25	17.5	16
	74.2	90	36.5	45.8
PRODUZIONE S.R.E. + A.C.E.A.				
S.R.E. + A.C.E.A.	43	62	29	29.8
PRODUZIONE U.N.E.S.				
U.N.E.S.	7	8	5	4.5
PRODUZIONE S.E.V.				
S.E.V.	27.5	17	2.5	8.5
U.N.E.S.(Orvieto)	0.5	1	0.5	0.5
S.R.E.+A.C.E.A. (Nera Montoro)	7	7	7	5
	35	25	10	14
PRODUZIONE LARDERELLO				
S.E.V. (50 Hz)	17.5	17.5	17.5	11.8
FF.SS.(a Giuncano a 45 Hertz)	7	7	7	8
U.N.E.S.(45 Hertz a Galleto)	3	3	2	
S.M.E. (45 Hertz a Galleto)	1.5	1.5	1.5	
	29	29	29	19.8
TRASPORTO EDISON - LIGONCHIO - TAVERNUZZE				
a) Alla S.E.V.	47	47	29	28.5
b) Alla SRE+ACEA (alla Magliana	20	20	15	13.4
c) Alla Terni (a Galleto)	—	—	21	5
d) Alle FF.SS. (Chiusi-Orte)	4	4	4	2
e) Perdite	4	4	6	3.1
	75	75	75	52
TRASPORTO EDISON - PIAN DELLA ROCCA - VIA EMILIANA				
Alla S.E.V. (a Pian della Rocca	8	8.5	—	3.2
TRASPORTO BRESSANONE				
Alla S.M.E. (via Galleto)	25.5	25.5	25.5	18.-

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N.B. alla TEVOLA II

a) - Si è previsto di utilizzare al completo le capacità di trasporto a Ligonchio riservando alla Terni le disponibilità notturne sulla fornitura Edison.

b) - Tutte le disponibilità di energia sul sistema a 45 periodi vanno invasate nei serbatoi della Sila. Si potranno eventualmente riportare su tale sistema anche le disponibilità del sistema a 50 Hertz attraverso le macchine di Galleto e limitatamente a quanto consente il lago di Piediluco.

c) - Per utilizzare al massimo l'energia di Bressanone si è previsto di alimentare le FF.SS a Giuncano a 120 KV da Orte senza impegnare il trasformatore 120-150 KV.

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Maggio 1946

TAVOLA III

I T A L I A C E N T R A L E

Assegnazione globale ai diversi ENTI

Ore	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
T E R N I				
Produzione propria	36.2	39	19	23.4
Edison	--	--	21	5
Totale	36.2	39	40	28.4
FF.SS.				
Larderello (45 Hz Giuncano	7	7	7	3
Edison (Chiusi-Orte 50 Hz)	4	4	4	2
Totale	11	11	11	5
S.R.E. + A.C.E.A.				
Produzione propria	43	62	29	29.8
S.E.V. (Nera Montoro)	7	7	7	5
TERNI	15	26	—	6.4
Edison (Magliana)	20	20	15	13.4
Totale	85	115	51	54.6
U.N.E.S.				
Produzione propria	7	8	5	4.5
S.E.V. (Orvieto)	0.5	1	0.5	0.5
TERNI (Galleto)	23	25	17.5	16
Larderello (45 Hz Galleto)	3	3	2	2
Totale	33.5	37	25	23.
S.E.V.				
Produzione propria	27.5	17	2.5	8.5
Larderello (50 Hertz)	17.5	17.5	17.5	11.8
Edison a Ligonchio	47	47	29	28.5
Edison a Pian della Rocca	8	8.5	--	3.2
Totale	100.-	90.-	49.-	52.-

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Edison				
Totale	36.2	39	40	28.4
FF.SS.				
Larderello (45 Hz Giuncano	7	7	7	3
Edison (Chiusi-Orte 50 Hz)	4	4	4	2
Totale	11	11	11	5
S.R.E. + A.C.E.A.				
Produzione propria	43	62	29	29.8
S.E.V. (Nera Montoro)	7	7	7	5
TERNI	15	26	—	6.4
Edison (Magliana)	20	20	15	13.4
Totale	85	115	51	54.6
U.N.E.S.				
Produzione propria	7	8	5	4.5
S.E.V. (Orvieto)	0.5	1	0.5	0.5
TERNI (Galleto)	23	25	17.5	16
Larderello (45 Hz Galleto)	3	3	2	2
Totale	33.5	37	25	23
S.E.V.				
Produzione propria	27.5	17	2.5	8.5
Larderello (50 Hertz)	17.5	17.5	17.5	11.8
Edison a Liconchio	47	47	29	28.5
Edison a Pian della Rocca	8	8.5	—	3.2
Totale	100.-	90.-	49.-	52.-
S.M.E.				
Bressanone	25.5	25.5	25.5	18
Larderello	1.5	1.5	2.5	1.5
Totale	27.-	27.-	28.-	19.5
Per consumo (1)	27.-	27.-	6573	17.7

(1) La rimanenza va invasata nei serbatoi della SILA.-

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Maggio 1946

TAVOLA IV

ITALIA CENTRALE

Dettagli delle ripartizioni di energia tra i singoli centri di prelievo (Valori riferiti alle Centrali)

Ore	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
TERNI				
Stabilimenti Sociali	30.7	25.5	34.5	24.3
Utenze dirette	5.5	5.5	5.5	4.1
	36.2	39.-	40.-	28.4
FF.SS.	11	11	11	9
S.R.E. + A.C.E.A.				
Roma città } 45% ACEA } 55% SRE	64	78	37	40.6
Roma provincia	2.7	4	1.6	1.7
Frosinone	4.8	8	2.4	3.1
Viterbo	2.5	4	2	1.8
Civitavecchia-Latina	11	20	8	7.4
	85	110	51	54.6
U.N.E.S.				
Spoleto	4.2	4.8	4.5	3.4
Perugia & Foligno	5.8	4.5	5.55	4
Ancona Rimini e Costa Adriatica Nord	15.3	18.6	9	10.1
Aquila & Costa Adriatica Sud	5.5	5.9	3.4	3.4
Rieti	1.9	2	1.95	1.5
Orvieto	0.8	1	0.6	0.6
	33.5	37.-	25.-	23.-
S.E.V.	100.-	90.-	49.-	52.-
S.M.E.	27.-	27.-	28.-	19.5
Per consumo (1)	27.-	27.-	6.-	17.7

(1) La rimanenza va invasata nei serbatoi della SILA.-

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

TERNI				
Stabilimenti Sociali	30.7	25.5	34.5	24.3
Utenze dirette	5.5	5.5	5.5	4.1
	36.2	39.-	40.-	28.4
FF.SS.	11	11	11	6
S.R.E. + A.C.E.A.				
Roma città 45% ACEA 55% SRE	64	78	37	40.6
Roma provincia	2.7	4	1.6	1.7
Frosinone	4.8	8	2.4	3.3
Viterbo	2.5	4	2	1.8
Civitavecchia-Latina	11	20	8	7.4
	85	110	51	54.6
U.N.E.S.				
Spoleto	4.2	4.8	4.5	3.4
Perugia & Foligno	5.8	4.5	5.55	4
Ancona Rimini e Costa Adriatica Nord	15.3	18.8	9	10.1
Aquila & Costa Adriatica Sud	5.5	5.9	3.4	3.4
Rieti	1.9	2	1.95	1.5
Orvieto	0.8	1	0.6	0.6
	33.5	37.-	25.-	23.-
S.E.V.	100.-	90.-	49.-	52.-
S.M.E.	27.-	27.-	28.-	19.5
Per consumo (1)	27.-	27.-	6.-	17.7

(1) La rimanenza va invasata nei serbatoi della SILA.-

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Maggio 1946 TAVOLA V

I T A L I A M E R I D I O N A L E

Disponibilità di energia nelle centrali di produzione

		Potenza Max Kw x 10^3		Kwh x 10^6
S I L A				
Centrale	Orichella	36		
"	Timpagrande	70		
"	Calusia	22		
			128	70.3
Centrale	Lete	5.5		
"	Matese	5.5		
"	Aventino	4.5		
"	Tanagro e Tusciano	8.5		
"	Calore	3.5		
			27.5	14
			155.5	
Da Turdi (Bregagnone, Lardarello)			27	17.7

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	Potenza Max Kw x 10^3		Kwh x 10^6
S I L A			
Centrale Orichella	36		
" Timpagrande	70		
" Calusia	22		
		128	70.3
Centrale Lete	5.5		
" Matese	5.5		
" Aventino	4.5		
" Tanagro e Tuscianc	8.5		
" Calore	3.5		
		27.5	14
		155.5	
Da Terni (Bressanone Larderellc)		27	17.7
		182.5	102.0

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

Maggio 1946 — TAVOLA VI^

I T A L I A M E R I D I O N A L E

Disponibilità di energia nelle centrali di produzione

ZONA SERVITA	DISPOSIZIONE DI	CARICO MASSIMO 15 Minuti Kw x 10^3	ENERGIA Kwh x 10^6
PUGLIA	LL.PP.	40.-	22.4
U.N.E.S.	LL.PP.	1.5	0.5
NAPOLI	LL.PP.	42.3	24.9
CAMPANIA:			
1) Frattamaggiore	LL.PP.	3.5	1.5
2) Pomigliano	LL.PP.	2.5	1.2
3) Salerno - Torre Castellammare	LL.PP.	21 -	11 -
4) Benevento	LL.PP.	3 -	1.4
5) Calore	LL.PP.	1 -	0.7
6) Santa Maria	LL.PP.	5 -	2.3
7) Maranola	LL.PP.	1 -	0.7
LUCANIA	LL.PP.	4 -	2 -
CALABRIA	LL.PP.	7 -	3.2
FF.SS. NAPOLI	M.R.S.	3 -	1 -
Foggia-Benevento	M.R.S.	8 -	2.4
Salerno-Torre	M.R.S.	3.5	1.5
Villa Literno	M.R.S.	1.5	0.4
Salerno - Reggio	M.R.S.	10 -	3 -
SAVUTO	LL.PP.	3 -	1.4
Montecatini-Crotone	LL.PP.	8	5.5
Pertusola	LL.PP.	2.5	1.8
		171.3	88.8
TOTALE IN CENTRALE		182.5	102 -

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PUGLIA	LL.PP.	40.-	22.4
U.N.E.S.	LL.PP.	1.5	0.5
NAPOLI	LL.PP.	42.3	24.9
CAMPANIA:			
1) Frattamaggiore	LL.PP.	3.5	1.5
2) Pomigliano	LL.PP.	2.5	1.2
3) Salerno - Torre Castellammare	LL.PP.	21 -	11 -
4) Benevento	LL.PP.	3 -	1.4
5) Calore	LL.PP.	1 -	0.7
6) Santa Maria	LL.PP.	5 -	2.3
7) Maranola	LL.PP.	1 -	0.7
LUCANIA	LL.PP.	4 -	2 -
CALABRIA	LL.PP.	7 -	3.2
FF.SS. NAPOLI	M.R.S.	3 -	1 -
Foggia-Benevento	M.R.S.	8 -	2.4
Salerno-Torre	M.R.S.	3.5	1.5
Villa Literno	M.R.S.	1.5	0.4
Salerno - Reggio	M.R.S.	10 -	3 -
SAVUTO	LL.PP.	3 -	1.4
Montecatini-Crotone	LL.PP.	8	5.5
Pertusola	LL.PP.	2.5	1.8
		171.3	88.8
TOTALE IN CENTRALE		182.5	102 -

Fattore di contemporaneità	90%
Perdite in potenza	16%
Perdite in energia	13%

6570

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APRIL

Aprile 1946 TAVOLA I

I T A L I A C E N T R A L E

Disponibilità di energia nelle centrali di produzione

AL. EA TERNI - S.E.S.E. - A.C.E.A. - U.N.E.S.

ore	6-19 $MW \times 10^3$	19-22 $MW \times 10^3$	22-6 $MW \times 10^3$	$MWh \times 10^6$
TERNI				
Centrale Galleto	65.7	75.9	45.5	43.2
Centrale Cervara	5.6	7.7	3.5	3.9
Centrali minori	1.2	1.4	1.2	0.9
Totale Terni	72.5	85.-	50.2	48.-
S.E.S. + A.C.E.A.				
Centrali idriche	36.-	57.-	22.5	25.5
Termiche a vapore	-	-	-	-
Termiche Diesel	3.5	3.5	-	1.2
Totale SES+ACEA	41.5	60.5	22.5	26.7
U.N.E.S.				
Produzione propria	8.-	10.-	4.-	4.5
TOTALE SISTEMA	122.-	155.5	76.7	79.2
SISTEMA SELT - VALDARNO - LARDERELLO - EDISON				
SELT-VALDARNO	30.-	38.-	20.-	20.-
LARDERELLO	29.-	29.-	29.-	19.8

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[S]ISTEMA TERNI - S.E.E. - A.C.E.A. - U.N.E.S.

ore	6-19 kW x 10^3	19-22 kW x 10^3	22-6 kW x 10^3	kWh x 10^6
TERNI				
Centrale Galleto	55.7	75.9	45.5	43.2
Centrale Cervara	5.6	7.7	3.5	3.9
Centrali minori	1.2	1.4	1.2	0.9
Totale Terni	72.5	85.-	50.2	48.-
S.E.E. + A.C.E.A.				
Centrali idriche	38.-	57.-	22.5	25.5
Termiche a vapore	-	-	-	-
Termiche Diesel	3.5	3.5	-	1.2
Totale SEE+ACEA	41.5	60.5	22.5	26.7
U.N.E.S.				
Produzione propria	8.-	10.-	4.-	4.5
TOTALE SISTEMA	122.-	155.5	76.7	79.2

SISTEMA SELT - VALDARNO - LARDERELLO - EDISON

SELT-VALDARNO	30.-	38.-	20.-	20.-
LARDERELLO	29.-	29.-	29.-	19.8
EDISON	62.2	62.6	12.8	24.5
TOTALE SISTEMA	121.2	129.6	61.8	64.3
TOTALE GENERALE	243.2	285.1	138.5	143.5

N.B. - Nella produzione Terni non è compreso il servizio di potenza per la S.M.E. previsto a parte.

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..rile 1946

TAVOLA II^

I T A L I A C E N T R A L E

Ripartizione delle disponibilita tra i diversi E N T I

PRODUZIONE T E R N I

ore	6-19	19-22	22-6	K/h 10^6
T E R N I	22	22	22	15,8
FF.SS.	11	11	10	4,8
S.R.E. + A.C.E.A.	28	35	7,5	15,4
U.N.E.S.	11,5	17	10,7	12
	72,5	85 -	50,2	48.

PRODUZIONE A.C.E.A + S.R.E.

S.R.E. - A.C.E.A.	41,5	60,5	22,5	26,7

PRODUZIONE U.N.E.S.

U.N.E.S.	8	10	4	4,5

PRODUZIONE S.E.V.

S.E.V.	29,3	36,9	19,5	19,5
U.N.E.S. (Orvieto)	0,7	1,1	0,5	0,5
	30	38	20 -	20 -

PRODUZIONE LARDERELLO

S.E.V.	17,5	17,5	17,5	11,8
U.N.E.S. (Via Terni)	5 -	5 -	5 -	3,5
S.R.E. + A.C.E.A.	6,5	6,5	6,5	4,5

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T E R N I	22	22	22	15,8
F.F.SS.	11	11	10	4,8
S.R.E. + A.C.E.A.	28	35	7,5	15,4
U.N.E.S.	11,5	17	10,7	12
	72,5	85 -	50,2	48.

PRODUZIONE A.C.E.A + S.R.E.

S.R.E. - A.C.E.A.	41,5	60,5	22,5	26,7

PRODUZIONE U.N.E.S.

U.N.E.S.	8	10	4	4,5

PRODUZIONE S.E.V.

S.E.V.	29,3	36,9	19,5	19,5
U.N.E.S. (Orvieto)	0,7	1,1	0,5	0,5
	30	38	20 -	20 -

PRODUZIONE LARDERELLO

S.E.V.	17,5	17,5	17,5	11,8
U.N.E.S. (Via Terni)	5 -	5 -	5 -	3,5
S.R.E. + A.C.E.A.	6,5	6,5	6,5	4,5
	29,0	29 -	29 -	19,8

PRODUZIONE EDISON

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S.E.V.	54,2	54,6	4,8	18,7
S.R.E.+ A.C.E.A. (Via S.S.V.TERNI	8	8	8 -	5,8
	62,2	62,6	12,8	24,5

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Aprile 1946

TAVOLA III

I T A L I A C E N T R A L E

Assegnazione globale ai diversi ENTI

Ore	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	Kwh x 10^6
TERNI	22.-	22.-	22.-	15.8
FF.SS.	11.-	11.-	11.-	4.8
S.R.E. + A.C.E.A.				
Produzione propria	41.5	60.5	22.5	26.7
Dalla TERNI	28.-	35.-	7.5	15.4
Dalla Edison (via S.E.V. Terni)	8.-	8.-	8.-	5.8
Dalla Larderello	6.5	6.5	6.5	4.5
Totale SRE+ACEA	84.-	110.-	44.5	52.4
U.N.E.S.				
Produzione propria	8.-	10.-	4.-	4.5
" Terni	11.5	17.-	10.7	12.-
" Larderello (via Terni)	5.-	5.-	5.-	3.5
" S.E.V. (Orvieto)	0.7	1.1	0.5	0.5
Totale U.N.E.S.	25.2	33.1	20.2	20.5
S.E.V.				
Produzione propria	29.3	36.9	19.5	19.5
Dalla Larderello	17.5	17.5	17.5	11.8
Dalla Edison	54.2	54.6	4.8	18.7
Totale S.E.V.	101.-	109.-	41.8	50.-
TOTALE GENERALE	243.2	285.1	139.5	143.5

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FF.SS.	11.-	11.-	11.-	4.8
S.R.E. + A.C.E.A.				
Produzione propria	41.5	60.5	22.5	26.7
Dalla TERNI	28.-	35.-	7.5	15.4
Dalla Edison (via S.E.V. Terni)	8.-	8.-	8.-	5.8
Dalla Larderello	6.5	6.5	6.5	4.5
Totale SRE+ACEA	84.-	110.-	44.5	52.4
U.N.E.S.				
Produzione propria	8.-	10.-	4.-	4.5
" Terni	11.5	17.-	10.7	12.-
" Larderello (via Terni)	5.-	5.-	5.-	3.5
" S.E.V. (Orvieto)	0.7	1.1	0.5	0.5
Totale U.N.E.S.	25.2	33.1	20.2	20.5
S.E.V.				
Produzione propria	29.3	36.9	19.5	19.5
Dalla Larderello	17.5	17.5	17.5	11.8
Dalla Edison	54.2	54.6	4.8	18.7
Totale S.E.V.	101.-	109.-	41.8	50.-
TOTALE GENERALE	243.2	285.1	139.5	143.5

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Aprile 1946

TAVOLA IV

I T A L I A C E N T R A L E

Dettagli delle ripartizioni di energia tra i singoli centri di prelievo (Valori riferiti alle Centrali)

ore	6–19 KW x 10^3	19–22 KW x 10^3	22–6 KW x 10^3	KWh x 10^6
T E R N I				
Stabilimenti Sociali	7.5	7.5	7.5	5.50
Ammoniaca	9.-	9.-	9.-	6.20
Utenze dirette	5.5	5.5	5.5	4.10
	22.-	22.-	22.-	15.80
S.E.+A.C.E.A.				
Roma città (45% ACEA (55% SRE	64.-	77	34.5	40.20
Roma provincia	2.67	3,90	1.13	1.45
Frosinone	4.50	7.60	1.73	2.68
Viterbo	2.43	3,80	1.44	1.59
Civitavecchia–Latina	10.40	17.80	5.70	6.48
	84.-	110.-	44.50	52.40
FF.SS.	11.-	11.-	11.-	4.8
U.N.E.S.				
Spoleto	3.17	4.30	3.60	3.05
Perugia e Foligno	4.40	3.98	4.47	3.50
Ancona, Rimini e Costa Adriatica Nord	11.50	16.78	7.32	9.-
Aquila e Costa Adriatica Sud	4.12	5.26	2.75	3.05
Rieti	1.43	1.84	1.58	1.36
Orvieto	0.58	0.94	0.48	0.54
	25.20	33.10	20.20	20.50
S.E.V.	101.-	109.-	41.80	50.-
TOTALE GENERALE				

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ore	6-19 KW x 10^3	19-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
TERNI				
Stabilimenti Sociali	7.5	7.5	7.5	5.50
Ammoniaca	9.-	9.-	9.-	6.20
Utenze dirette	5.5	5.5	5.5	4.10
	22.-	22.-	22.-	15.80
S.E.+A.C.E.A.				
Roma città (45% ACEA (55% SRE	64.-	77	34.5	40.20
Roma provincia	2.67	3,30	1.13	1.45
Frosinone	4.50	7.60	1.73	2.68
Viterbo	2.43	3,30	1.44	1.59
Civitavecchia-Latina	10.40	17.80	5.70	6.48
	84.-	110.-	44.50	52.40
FF.SS.	11.-	11.-	11.-	4.8
U.N.E.S.				
Spoleto	3.17	4.30	3.60	3.05
Perugia e Foligno	4.40	3.98	4.47	3.50
Ancona, Rimini e Costa Adriatica Nord	11.50	16.78	7.32	9.-
Aquila e Costa Adriatica Sud	4.12	5.26	2.75	3.05
Rieti	1.43	1.84	1.58	1.36
Orvieto	0.58	0.94	0.48	0.54
	25.20	33.10	20.20	20.50
S.E.V.	101.-	109.-	41.80	50.-
TOTALE GENERALE	243.20	285.10	139.50	14[illegible]50

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Aprile 1946

TAVOLA V

I T A L I A M E R I D I O N A L E

Disponibilità di energia nelle centrali di produzione

	Potenza Max. $W \times 10^3$	$KWh \times 10^6$
S I L A		
Centrale Orichella	56	
" Timpagrange	70	
" Calusia	21	
	127.-	77.5
Centrale Lete	5.5	
" Matese	5.5	
" Aventino	4.5	
" Tanagro	7.5	
" Tusciano	5.-	
" Calore	4.-	
	32.-	17.-
Centrali termiche	22.-	3.-
Totale	181 -	97.5
Servizio di potenza a Terni	13.-	
	194.-	

SCAMBI CON L'ITALIA CENTRALE

Dalla S.M.E. alla Terni
dalle 24 alle 6 — 30.- MW — + 3.9

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	Potenza Max. kW x 10^3	kWh x 10^6
S I L A		
Centrale Orichella	36	
" Timpagrande	70	
" Calusia	21	
	127.-	77.5
Centrale Lete	5.5	
" Matese	5.5	
" Aventino	4.5	
" Tanagro	7.5	
" Tusciano	5.-	
" Calore	4.-	
	32.-	17.-
Centrali termiche	22.-	3.-
Totale	181 -	97.5
Servizio di potenza a Terni	13.-	
	194.-	

SCAMBI CON L'ITALIA CENTRALE

Dalla S.M.E. alla Terni dalle 24 alle 6	30.- MW	+ 3.9
Dalla Terni alla S.M.E. dalle 6 alle 22	13.- MW	- 3.6

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APRILE 1946

TAVOLA VI

ASSEGNAZIONI DI ENERGIA ELETTRICA - APRILE 1946
ITALIA MERIDIONALE

ZONE ASSEGNATARIE	RESPONSABILITÀ DI	CARICO MASSIMO 15 minuti kW x 10³	ENERGIA kWh x 10⁶
PUGLIA	E.P.	41.-	22.5
V.N.E.S.	E.P.	1.5	0.5
NAPOLI	E.P.	42.5	24.-
CAMPANIA:			
1) Frattamaggiore	E.P.	3.5	1.5
2) Pomigliano	E.P.	2.5	1.3
3) Salerno - Torre Castellammare	E.P.	21.-	11.-
4) Benevento	E.P.	3.-	1.4
5) Cálore	E.P.	1.-	0.7
6) Santa Maria	E.P.	5.-	2.2
7) Marcianise	E.P.	1.-	0.7
LUCANIA	E.P.	4.-	1.9
FERROVIE: Zona Napoli	M.R.S.	3.-	1.-
Foggia - Benevento	M.R.S.	8.-	2.3
Salerno - Torre	M.R.S.	3.5	1.4
Villa Literno	M.R.S.	1.5	0.4
TOTALE 150 kV IN SOTTOSTAZIONE		142.-	72.7
CALABRIA 60 kV:			
1) Savuto	-	3.-	1.5
2) Calabria	E.P.	6.5	2.-
3) Ferrovie	M.R.S.	10.-	2.9
4) Montecatini	E.P.	6.-	4.1
5) Pertusola	E.P.	2.5	1.8
		28.-	12.4

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ZONA SERVITA	DIPENDENZA DELLA DI	CARICO ALLE 18 15 Minuti K x 10³	ENERGIA KWh x 10⁶
PUGLIA	M.E.P.	41.-	22.5
U.N.E.S.	M.E.P.	1.5	0.5
NAPOLI	M.E.P.	42.5	24.-
CAMPANIA:			
1) Frattamaggiore	M.E.P.	3.5	1.5
2) Pomigliano	M.E.P.	2.5	1.2
3) Salerno - Torre Castellammare	M.E.P.	21.-	11.-
4) Benevento	M.E.P.	3.-	1.4
5) Cálore	M.E.P.	1.-	0.7
6) Santa Maria	M.E.P.	5.-	2.2
7) Marcianise	M.E.P.	1.-	0.7
LUCANIA	M.E.P.	4.-	1.9
FERROVIE: Zona Napoli	M.E.S.	3.-	1.-
Foggia - Benevento	M.E.S.	8.-	2.3
Salerno - Torre	M.E.S.	3.5	1.4
Villa Literno	M.E.S.	1.5	0.4
TOTALE 150 KV IN SOTTOSTAZIONE		142.-	72.7
CALABRIA 60 KV:			
1) Savuto	-	3.-	1.6
2) Calabria	M.E.P.	6.5	2.-
3) Ferrovie	M.E.S.	10.-	2.9
4) Montecatini	M.E.P.	6.-	4.1
5) Pertusola	M.E.P.	2.5	1.8
TOTALE 60 KV IN SOTTOSTAZIONE		28.-	12.4
TOTALE 150 + 60 KV IN SOTTOSTAZIONE		170.-	85.1
TOTALE IN CENTRALE		194.-	97.5

Fattore di contemporaneità = 0.94
Perdite in potenza = 18%
Perdite in energia = 13%

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MARZO 1946 — TAVOLA VI^

ASSEGNAZIONE DI ENERGIA ELETTRICA - MARZO 1946
ITALIA MERIDIONALE

ZONA SERVITA	RESPONSABILITA' DI	CARICO MASSIMO 15 minuti kW x 10^3	ENERGIA kWh x 10^6
PUGLIA	LL.PP.	41 -	22.9
U.N.E.S.	LL.PP.	1.5	0.5
NAPOLI	LL.PP.	42.5	24.9
CAMPANIA :			
1) Frattamggiore	LL.PP.	3.5	1.6
2) Pomigliano	LL.PP.	2 -	1 -
3) Salerno-Torre Castellammare	LL.PP.	21 -	11.4
4) Benevento	LL.PP.	3 -	1.5
5) Calore	LL.PP.	1 -	0.7
6) Santa Maria	LL.PP.	5.5	2.6
LUCANIA	LL.PP.	4.5	2 -
FERROVIE: Zona Napoli	M.R.S.	3 -	1 -
Foggia-Benevento	M.R.S.	8 -	2.5
Salerno-Torre	M.R.S.	3.5	1.5
Villa Literno	M.R.S.	1.5	0.4
TOTALE 150 kV IN SOTTOSTAZIONE		141.5	74.5
CALABRIA 60 kV :			
1) Savuto	—	3 -	2 -
2) Calabria	LL.PP.	7 -	2.25
3) Ferrovie	M.R.S.	10 -	3 -
4) Crotone Montecatini	LL.PP.	6 -	4.25
5) Crotone Pertusola	LL.PP.	2.5	1.85
		28.5	13.35

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		kW x 103	
PUGLIA	LL.PP.	41 -	22.9
U.N.E.S.	LL.PP.	1.5	0.5
NAPOLI	LL.PP.	42.5	24.9
CAMPANIA :			
1) Frattamggiore	LL.PP.	3.5	1.6
2) Pomigliano	LL.PP.	2 -	1 -
3) Salerno-Torre Castellammare	LL.PP.	21 -	11.4
4) Benevento	LL.PP.	3 -	1.5
5) Calore	LL.PP.	1 -	0.7
6) Santa Maria	LL.PP.	5.5	2.6
LUCANIA	LL.PP.	4.5	2 -
FERROVIE: Zona Napoli	M.R.S.	3 -	1 -
Foggia-Benevento	M.R.S.	8 -	2.5
Salerno-Torre	M.R.S.	3.5	1.5
Villa Literno	M.R.S.	1.5	0.4
TOTALE 150 kV IN SOTTOSTAZIONE		141.5	74.5
CALABRIA 60 kV :			
1) Savuto	—	3 -	2 -
2) Calabria	LL.PP.	7 -	2.25
3) Ferrovie	M.R.S.	10 -	3 -
4) Crotone Montecatini	LL.PP.	6 -	4.25
5) Crotone Pertusola	LL.PP.	2.5	1.85
TOTALE 60 kV IN SOTTOSTAZIONE		28.5	13.35
TOTALE 150 + 60 kV IN SOTTOSTAZIONE		170 -	87.85
TOTALE IN CENTRALE		194 -	101 -

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Fattore di contemporaneità = 0.94
Perdite di potenza = 18 %
Perdite in energia = 13 %

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Marzo 1946 — TAVOLA IV^

I T A L I A C E N T R A L E

Dettagli delle ripartizioni di energia tra i singoli centri di prelievo (Valori riferiti alle Centrali)

ore	6-17 KW x 10^3	17-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
T E R N I				
Stabilimenti Sociali	7.5	7.5	7.5	5.5
Ammoniaca	9 -	9 -	4 -	5.4
Utenze dirette	5.5	5.5	5.5	4.1
	22 -	22 -	17 -	15 -
S.R.E. + A.C.E.A.				
Roma Città (45% ACEA, 55% SRE)	56.5	77 -	33.6	39.7
Roma provincia	1.93	2.70	0.95	1.3
Frosinone	3.24	5.27	1.45	2.4
Viterbo	1.76	2.70	1.22	1.42
Civitavecchia e Littoria	7.57	12.33	4.78	5.78
	71 -	03 -	42 -	50.6
FF.SS.	11 -	11 -	9 -	4.2
U.N.E.S.				
Spoleto	1.97	3.1	2.40	2.05
Perugia e Foligno	2.70	3.18	3.25	2.64
Ancona Rimini e Costa Adriatica Nord	7.90	13.6	5.32	6.50
Aquila Costa Adriatica Sud	2.65	4.22	2 -	2.30
Rieti	1 -	1.46	1.15	0.97
Orvieto	0.58	0.94	0.49	0.54

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ore	6-17 KW x 10^3	17-22 KW x 10^3	22-6 KW x 10^3	KWh x 10^6
T E R N I				
Stabilimenti Sociali	7.5	7.5	7.5	5.5
Ammoniaca	9 -	9 -	4 -	5.4
Utenze dirette	5.5	5.5	5.5	4.1
	22 -	22 -	17 -	15 -
S.R.E. + A.C.E.A.				
Roma Città (45% ACEA 55% SRE)	56.5	77 -	33.6	39.7
Roma provincia	1.93	2.70	0.95	1.3
Frosinone	3.24	5.27	1.45	2.4
Viterbo	1.76	2.70	1.22	1.42
Civitavecchia e Littoria	7.57	12.33	4.78	5.78
	71 -	03 -	42 -	50.6
FF.SS.	11 -	11 -	9 -	4.2
U.N.E.S.				
Spoleto	1.97	3.1	2.40	2.05
Perugia e Foligno	2.70	3.18	3.25	2.64
Ancona Rimini e Costa Adriatica Nord	7.90	13.6	5.32	6.50
Aquila Costa Adriatica Sud	2.65	4.22	2 -	2.30
Rieti	1 -	1.46	1.15	0.97
Orvieto	0.58	0.94	0.49	0.54
	16.8	26.6	14.6	15 -
S.E.V.	78.1	105.4	43.3	48 -
TOTALE GENERALE	198.9	268 -	125.9	132.8

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2nd Emergency circuit
Actual since February 5

Febbraio 1946

TAVOLA IV B

ITALIA CENTRALE

Dettagli delle ripartizioni di energia tra i singoli centri di prelievo (Valori riferiti alle centrali)

	6-17 Kw x 10^3	17-22 Kw x 10^3	22-6 Kw x 10^3	Kwh x 10^6
TERNI				
Staz. sociali	7.5	7.5	7.5	5.2
Ammoniaca	9	9	9	6.1
Carburo	--	--	--	--
Utenze locali	5.5	5.5	5.5	3.5
	22	22	22	14.8
S.R.E.+A.C.E.A.				
Roma città (45% ACEA	68.2	87	37	41.7
Roma Provincia (55% SRE	2.47	3.06	0.91	1.35
Frosinone	4.1	5.94	1.38	2.52
Viterbo	2.26	3.06	1.16	1.48
Civitavecchia-Littoria	9.67	13.94	4.55	6.05
	86.70	113	45	53.10
FF. SS	13	13	13	5.2
U.N.E.S.				
Spoleto	2.37	3.6	2.50	1.85
Perugia-Foligno	3.25	3.7	3.38	2.38
Ancona-Rimini-Costa Adriatica Nord	9.50	15.8	5.54	5.83
Aquila Costa Adriatica Sud	3.18	4.9	2.08	2.08
Rieti	1.20	1.7	1.20	0.875
Orvieto	0.7	1.1	0.50	0.485
	20.2	30.8	15.2	13.5
S.E.V.	78.1	105.4	43.3	48.4
TOTALE ALLE CENTRALI	220	283.4	138.5	135

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	22	22	22	14.8
S.R.E.+A.C.E.A.				
Roma città (45% ACEA (55% SRE	68.2	87	37	41.7
Roma Provincia	2.47	3.06	0.91	1.35
Frosinone	4.1	5.94	1.38	2.52
Viterbo	2.25	3.06	1.16	1.48
Civitavecchia-Littoria	9.67	13.94	4.55	6.05
	86.70	113	45	53.10
FF. SS	13	13	13	5.2
U.N.E.S.				
Spoleto	2.37	3.6	2.50	1.85
Perugia-Foligno	3.25	3.7	3.38	2.38
Ancona-Rimini-Costa Adriatica Nord	9.50	15.8	5.54	5.83
Aquila Costa Adriatica Sud	3.18	4.9	2.08	2.08
Rieti	1.20	1.7	1.20	0.875
Orvieto	0.7	1.1	0.50	0.485
	20.2	30.8	15.2	13.5
S.E.V.	78.1	105.4	43.3	48.4
TOTALE ALLE CENTRALI	220	283.4	138.5	135

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1st Emergency Condition

T.VOL. IV A

Febbraio 1946

I T A L I A C E N T R A L E

Dettagli della ripartizione di energia tra i singoli centri di prelievo.- (valori riferiti alle centrali)

CONDIZIONI DI PRIMA EMERGENZA

	6-17 KW x 10^3	17-22 KW x 10^3	22-6 KW x 10^3	KWH x 10^6
T E R N I				
Stabilimenti sociali	7.5	7.5	7.5	5.2
Ammoniaca	9 -	9 -	9 -	6.1
Carburo	--	--	--	--
Utenze locali	5.5	5.5	5.5	3.5
	22 -	22 -	22 -	14.8
S.R.E. e A.C.E.L.				
Roma città a (15% ACEL 55% SRE)	66.2	87 -	47.3	42.2
Roma provincia	2.4	3.06	1.16	1.35
Frosinone	4 -	5.94	1.76	2.55
Viterbo	2.2	3.06	1.48	1.5
Civitavecchia - Littoria	9.4	13.94	5.8	6.10
	84.2	113 -	57.5	53.7
FF. SS.	13 -	13 -	13 -	5.2
U.N.E.S.				
Spoleto	2.38	3.6	2.50	1.90
Perugia - Foligno	3.27	3.7	3.38	2.45
Ancona-Rimini-Costa Adriatica Nord	9.65	15.8	5.54	6 -
Aquila-Costa Adriatica Sud	3.20	4.9	2.08	2.15
Rieti	1.20	1.7	1.20	0.90
	0.7	1.1	0.50	0.50
			15.2	13.9

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	6-17 KW x 10^3	17-22 KW x 10^3	22-[illegible] KW x 10^3	[illegible] x 10^6
T E R N I				
Stabilimenti sociali	7.5	7.5	7.5	5.2
Immoniaca	9 -	9 -	9 -	6.1
Carburo	--	--	--	--
Utenze locali	5.5	5.5	5.5	3.5
	22 -	22 -	22 -	14.8
S.E.E. e A.C.E.A.				
Roma città a (15% ACEA, 55% SRE)	66.2	87 -	47.3	42.2
Roma provincia	2.4	3.06	1.16	1.35
Frosinone	4 -	5.94	1.76	2.55
Viterbo	2.2	3.06	1.48	1.5
Civitavecchia - Littoria	9.4	13.94	5.8	6.10
	84.2	113 -	57.5	53.7
FF. SS.	13 -	13 --	13 -	5.2
U.N.E.S.				
Spoleto	2.38	3.6	2.50	1.90
Perugia - Foligno	3.27	3.7	3.38	2.45
Ancona-Rimini-Costa Adriatica Nord	9.65	15.8	5.54	6 -
Aquila-Costa Adriatica Sud	3.20	4.9	2.08	2.15
Rieti	1.20	1.7	1.20	0.90
Orvieto	0.7	1.1	0.50	0.50
	20.4	30.8	15.2	13.9
S.E.V.				
Piombino-Grosseto-Larderello-Firenze-Livorno-Lucca-Pistoia-Prato-Arezzo	81.8	90.4	47 -	50.5
TOTALE ALLE CENTRALI	221.4	269.2	154.7	138.1

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Febbraio 1940 — TAVOL. VI^ A

I T A L I A M E R I D I O N A L E

Particolare delle assegnazioni di energia elettrica ai diversi centri di prelievo------

ZONA SERVITA		CARICO MAX Kw x 10^3	ENERGIA Kwh x 10^6
PUGLIA	LL.PP.	42.-	22,5
UNES	"	1.-	0,3
NAPOLI	"	44.-	23.-
CAMPANIA:			
1)Frattamaggiore	"	3,5	2.-
2)Pomigliano	"	2.-	1.-
3)Salerno-Torre Castellammare	"	21,5	11.-
4)Benevento	"	3,25	1,4
5)Calore	"	1,25	0,7
6)Santa Maria	"	5,5	2,5
LUCANIA	"	5.-	2,2
FERROVIE: Zona Napoli	M.R.S.	3.-	1.-
Foggia-Benevento	"	8.-	2,7
Salerno-Torre	"	3,5	1,35
Villa Literno	"	1,5	0,45
TOTALE 150 KV IN SOTTOSTAZIONE		145.00	72,3
CALABRIA 60 KV:			
1)Savuto	-	4.-	2,8
2)Calabria	"	8,50	2.-
3)Ferrovie	M.R.S.	10.-	2,4
4)Montecatini Crotone	LL.PP.	8.-	5.-
TOTALE 60 KV IN SOTTOSTAZIONE		30,5	12,2

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PUGLIA	LLPP.	42.-		
UNES	"	1.-		0,3
NAPOLI		44.-		23.-
CAMPANIA:				
1)Frattamaggiore	"	3,5		2.-
2)Pomigliano	"	2.-		1.-
3)Salerno-Torre Castellammare	"	21,5		11.-
4)Benevento	"	3,25		1,4
5)Calore	"	1,25		0,7
6)Santa Maria	"	5,5		2,5
LUCANIA	"	5.-		2,2
FERROVIE: Zona Napoli	M.R.S.	3.-		1.-
Foggia-Benevento	"	8.-		2,7
Salerno-Torre	"	3,5		1,35
Villa Literno	"	1,5		0,45
TOTALE 150 KV IN SOTTO=STAZIONE		145.00		72,3
CALABRIA 60 KV:				
1)Savuto	-	4.-		2,8
2)Calabria	"	8,50		2.-
3)Ferrovie	M.R.S.	10.-		2,4
4)Montecatini Crotone	LL.PP.	8.-		5.-
TOTALE 60 KV IN SOTTOSTA=ZIONE		30,5		12,2
TOTALE 150+60 IN SOTTOSTA=ZIONE		175,5		84,5
TOTALE IN CENTRALE		200.-	6559	97,5

Fattore di contemporaneità = 0,94
Perdite di potenza = 18%
Perdite di energia = 13%

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Febbraio 1946 — Tavola 1 A

I T A L I A C E N T R A L E

Disponibilità di energia nelle centrali di produzione
Condizioni di prima emergenza.

Sistema: TERNI - S.R.E. - A.C.E.A. - U.N.E.S. -

	6-17 KW x 10^3	17-22 KW x 10^3	22-6 KW x 10^3	kWh x 10^6
TERNI				
Centrale Galleto (1)	81.7	105 -	60 -	51.1
" Cervara	7 -	7.7	5 -	4.4
Centrali minori	1.5	1.5	1.5	1 -
TOTALE TERNI	90.2	114.2	66.5	56.2

(1) - La produzione di Galleto è regolata su 1.8 x 10^6 kWh giorno - con le fluenti a 40 mc" si produce uno svaso dei serbatoi di 1 milione di mc al giorno - mc" totali 51.

S.R.E. - A.C.E.A.				
Centrali idriche	43 -	55 -	22 -	25 -
Termiche a vapore	11.5	11.5	-	5 -
Termiche Diesel	-	7 -	-	1 -
	54.5	73.5	22 -	31 -
U.N.E.S. (1)	5.5	10 -	3.7	4 -
(1) Dati di novembre.				
TOTALE SISTEMA	150.2	197.7	92.2	91 -

Sistema: EDISON - LARDERELLO - VALDARNO -

Selt-Valdarno	33 -	39 -	18.5	20 -
Larderello	19 -	19 -	19 -	12 -
Edison	39.2	33.5	10.5	19 -
	91.2	91.5	47.5	51 -
TOTALE SISTEMA DELL'ITALIA CENTRALE	241.4	289.2	139.7	142.5

SCAMBI CON L'ITALIA MERIDIONALE

Dalla S.M.E. alla Terni	-	-	15 -	3.3
	241.4	289.2	154.7	145.8

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TERNI				
Centrale Galleto (1)	81.7	105 -	60 -	51.1
" Cervara	7 -	7.7	5 -	4.4
Centrali minori	1.5	1.5	1.5	1 -
TOTALE TERNI	90.2	114.2	66.5	56.2

(1) - La produzione di Galleto è regolata su 1.8×10^6 kWh giorno - con le fluenti a 40 mc" si produce uno svaso dei serbatoi di 1 milione di mc al giorno - mc" totali 51.

S.R.E. - A.C.E.A.				
Centrali idriche	43 -	55 -	22 -	25 -
Termiche a vapore	11.5	11.5	-	5 -
Termiche Diesel	-	7 -	-	1 -
	54.5	73.5	22 -	31 -
U.N.E.S. (1)	5.5	10 -	3.7	4 -
(1) Dati di novembre.				
TOTALE SISTEMA	150.2	197.7	92.2	94 -

Sistema: EDISON - LARDERELLO - VALDARNO -

Sch-Valdarno	33 -	39 -	18.5	20 -
Larderello	19 -	19 -	19 -	12 -
Edison	39.2	33.5	10.5	19 -
	91.2	91.5	47.5	51 -
TOTALE SISTEMA DELL'ITALIA CENTRALE	241.4	289.2	139.7	142.5

SCAMBI CON L'ITALIA MERIDIONALE

Dalla S.M.E. alla Terni	-	-	15 -	3.3
	241.4	289.2	154.7	145.8

Le condizioni di prima emergenza prevedono rispetto a quelle normali, una limitazione degli svasi dei serbatoi dellaTerni a 1 milione di mc. al giorno, il funzionamento delle termiche di Roma, una maggiore richiesta di energia dalla Edison e la limitazione della fornitura all'Italia meridionale.

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Febbraio 1946

Tavola II A

I T A L I A C E N T R A L E

Ripartizione delle disponibilità nello stato di prima emergenza.

PRODUZIONE TERNI

TERNI	6-17 KW x 10^3	17-22 KW x 10^3	22-6 KW x 10^3	kWh x 10^6
FF.SS.	22 -	22 -	22 -	14.8
S.M.E.	13 -	13 -	13 -	5.2
S.E.V.	20 -	20 -	-	8.9
S.R.E.+ A.C.E.A.	-	-	-	-
U.N.E.S.	21 -	39.5	20.5	16.6
	14.2	19.7	11 -	9.4
TOTALE TERNI	90.2	114.2	66.5	54.9

PRODUZIONE S.R.E.+ A.C.E.A.

S.R.E.+ A.C.E.A.	54.5	73.5	22 -	31 -

PRODUZIONE U.N.E.S.

U.N.E.S.	5.5	10 -	3.7	4 -

PRODUZIONE VALDARNO

S.E.V.	23.5	37.9	18 -	16.6
S.R.E.+ A.C.E.A. (a mezzo Nera Montoro)	8.7	-	-	2.8
U.N.E.S. (Orvieto)	0.7	1.1	0.5	0.5
TOTALE VALDARNO	33 -	39 -	18.5	20 -

PRODUZIONE LARDERELLO

S.L.V.	19 -	29 -	19 -	12 -

PRODUZIONE EDISON

FF.SS.	13 -	13 -	13 -	5.2
S.M.E.	20 -	20 -	-	8.9
S.E.V.	-	-	-	-
S.R.E.+ A.C.E.A.	21 -	39.5	20.5	16.6
U.N.E.S.	14.2	19.7	11 -	9.4
TOTALE TERNI	90.2	114.2	66.5	54.9
PRODUZIONE S.R.E.+ A.C.E.A.				
S.R.E.+ A.C.E.A.	54.5	73.5	22 -	31 -
PRODUZIONE U.N.E.S.				
U.N.E.S.	5.5	10 -	3.7	4 -
PRODUZIONE VALDARNO				
S.E.V.	23.6	37.9	18 -	16.6
S.R.E.+ A.C.E.A. (a mezzo Nera Montoro)	8.7	-	-	2.8
U.N.E.S. (Orvieto)	0.7	1.1	0.5	0.5
TOTALE VALDARNO	33 -	39 -	18.5	20 -
PRODUZIONE LARDERELLO				
S.E.V.	19 -	29 -	19 -	12 -
PRODUZIONE EDISON				
S.E.V.	39.2	33.5	10 -	19 -
PRODUZIONE S.M.E.				
TERNI (r. S.R.E.+ A.C.E.A.)	-	-	15	3.3

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Febbraio 1946 TAVOLA III A

I T A L I A C E N T R A L E

Assegnazione globale dell'energia ai diversi ENTI

CASO DI PRIMA EMERGENZA

	6-17 KW x 10^3	17-22 KW x 10^3	22-6 KW x 10^3	KWH x 10^6
T E R N I	22 -	22 -	22 -	14.8
FF.SS.	13 -	13 -	13 -	5.2
S.R.E. + A.C.E.A.				
Da Terni	21	39.5	20.5	16.6
Da S.E.V. (Nera Montoro)	8.7	--	--	2.8
Dalla Terni (S.M.E.)	--	--	15 -	3.3
propria	54.5	73.5	22 -	31 -
	84.2	113 -	57.5	53.7
U.N.E.S.				
Da Terni	14.2	19.7	11 -	9.4
Da S.E.V. (Orvieto)	0.7	1.1	0.5	0.5
propria	5.5	10 -	3.7	4 -
	20.4	30.8	15.2	13.9
S.E.V.				
Dalla Edison	39.2	33.5	10 -	19 -
Dalla Larderello	19 -	19 -	19 -	12 -
propria	23.6	37.9	18 -	19.5
	81.8	90.4	47 -	50.5

S.M.E.

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	6-17 KW x 10^3	17-22 KW x 10^3	22-24 KW x 10^3	24 x 10^3
T E R N I	22 -	22 -	22 -	14.8
FF.SS.	13 -	13 -	13 -	5.2
S.R.E. + A.C.E.A.				
Da Terni	21	39.5	20.5	16.6
Da S.E.V. (Nera Montoro)	8.7	--	--	2.8
Dalla Terni (S.M.E.)	--	--	15 -	3.3
propria	54.5	73.5	22 -	31 -
	84.2	113 -	57.5	53.7
U.N.E.S.				
Da Terni	14.2	19.7	11 -	9.4
Da S.E.V. (Orvieto)	0.7	1.1	0.5	0.5
propria	5.5	10 -	3.7	4 -
	20.4	30.8	15.2	13.9
S.E.V.				
Dalla Edison	39.2	33.5	10 -	19 -
Dalla Larderello	19 -	19 -	19 -	12 -
propria	23.6	37.9	18 -	19.5
	81.8	90.4	47 -	50.5
S.M.E.				
Da Terni	20 -	20 -	--	8.9
T O T A L E	241.4	289.2	154.7	

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Febbraio 1946 — TAVOLA IV A

I T A L I A C E N T R A L E

Dettagli della ripartizione di energia tra i singoli centri di prelievo.- (valori riferiti alle centrali)

CONDIZIONI DI PRIMA EMERGENZA

	6-17 KW x 10^3	17-22 KW x 10^3	22-6 KW x 10^3	KWH x 10^6
T E R N I				
Stabilimenti sociali	7.5	7.5	7.5	5.2
Ammoniaca	9 -	9 -	9 -	6.1
Carburo	--	--	--	--
Utenze locali	5.5	5.5	5.5	3.5
	22 -	22 -	22 -	14.8
S.R.E. e A.C.E.A.				
Roma città a (5% ACEA 55% SRE)	66.2	87 -	47.3	42.2
Roma provincia	2.4	3.06	1.16	1.35
Frosinone	4 -	5.94	1.76	2.55
Viterbo	2.2	3.06	1.48	1.5
Civitavecchia - Littoria	9.4	13.94	5.8	6.10
	84.2	113 -	57.5	53.7
FF. SS.	13 -	13 -	13 -	5.2
U.N.E.S.				
Spoleto	2.38	3.6	2.50	1.90
Perugia - Foligno	3.27	3.7	3.38	2.45
Ancona-Rimini-Costa Adriatica Nord	9.65	15.8	5.54	6 -
Aquila-Costa Adriatica Sud	3.20	4.9	2.08	2.15
Rieti	1.20	1.7	1.20	0.90
Orvieto	0.7	1.1	0.50	0.50
	20.4	30.8	15.2	13.9

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CONDIZIONI DI PRIMA EMERGENZA

	6-17 KW x 10^3	17-22 KW x 10^3	22-6 KW x 10^3	KWH x 10^6
TERNI				
Stabilimenti sociali	7.5	7.5	7.5	5.2
Ammoniaca	9 -	9 -	9 -	6.1
Carburo	--	--	--	--
Utenze locali	5.5	5.5	5.5	3.5
	22 -	22 -	22 -	14.8
S.R.E. e A.C.E.A.				
Roma città a (45% ACEA 55% SRE)	66.2	87 -	47.3	42.2
Roma provincia	2.4	3.06	1.16	1.35
Frosinone	4 -	5.94	1.76	2.55
Viterbo	2.2	3.06	1.48	1.5
Civitavecchia - Littoria	9.4	13.94	5.8	6.10
	84.2	113 -	57.5	53.7
FF. SS.	13 -	13 -	13 -	5.2
U.N.E.S.				
Spoleto	2.38	3.6	2.50	1.90
Perugia - Foligno	3.27	3.7	3.38	2.45
Ancona-Rimini-Costa Adriatica Nord	9.65	15.8	5.54	6 -
Aquila-Costa Adriatica Sud	3.20	4.9	2.08	2.15
Rieti	1.20	1.7	1.20	0.90
Orvieto	0.7	1.1	0.50	0.50
	20.4	30.8	15.2	13.9
S.E.V.				
Piombino-Grosseto-Larderello Firenze-Livorno-Lucca-Pistoia-Prato-Arezzo	81.8	90.4	47 -	50.5
TOTALE ALLE CENTRALI	221.4	269.2	154.7	138.1

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Febbraio 1946

TAVOLA V A

I T A L I A M E R I D I O N A L E

Disponibilità di energia nelle centrali di produzione

	Potenza Max. Kw x 10^3	Kwh x 10^6
S I L A		
Centrale Orichella	36	
" Timpagrande	70	
" Calusia	21	
	127	70,5
Centrale Lete	5,5	
" Matese	5,5	
" Aventino	4,5	
" Tanagro	7,5	
" Tusciano	4,5	
" Calore	3,5	
	31.-	15,4
Centrali Termiche	22.-	5.-
TOTALE	200.-	91,9

SCAMBI CON L' ITALIA CENTRALE

	Ore 6-22	22-6
Dalla Terni	20	- +8,9
Alla Terni	-	15 -3,3

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S I L A

Centrale	Orichella	36	
"	Timpagrande	70	
"	Calusia	21	
		127	70,5
Centrale	Lete	5,5	
"	Matese	5,5	
"	Aventino	4,5	
"	Tanagro	7,5	
"	Tusciano	4,5	
"	Calore	3,5	
		31.-	16,4
Centrali Termiche		22.-	5.-
	TOTALE	200.-	91,9

SCAMBI CON L' ITALIA CENTRALE

	Ore 6-22	22-6	
Dalla Terni	20	-	+8,9
Alla Terni	-	15	-3,3
			5,6
TOTALE	220.-		97,5

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Febbraio 1946

TAVOLA VI^ A

I T A L I A M E R I D I O N A L E

Particolare delle assegnazioni di energia elettrica ai diversi centri di prelievo------

ZONA SERVITA		CARICO MAX Kw x 10^3	ENERGIA Kwh x 10^6
PUGLIA	LL.PP.	42.-	22,5
TNES	"	1.-	0,3
NAPOLI	"	44.-	23.-
CAMPANIA:			
1)Frattamaggiore	"	3,5	2.-
2)Pomigliano	"	2.-	1.-
3)Salerno-Torre Castellammare	"	21,5	11.-
4)Benevento	"	3,25	1,4
5)Calore	"	1,25	0,7
6)Santa Maria	"	5,5	2,5
LUCANIA	"	5.-	2,2
FERROVIE: Zona Napoli	M.R.S.	3.-	1.-
Foggia-Benevento	"	8.-	2,7
Salerno-Torre	"	3,5	1,35
Villa Literno	"	1,5	0,45
TOTALE 150 KV IN SOTTO= STAZIONE		145.00	72,3
CALABRIA 60 KV:			
1)Savuto	-	4.-	2,8
2)Calabria	"	8,50	2.-
3)Ferrovie	M.R.S.	10.-	2,4
4)Montecatini Crotone	LL.PP.	8.-	5.-
TOTALE 60 KV IN SOTTOSTA= ZIONE		30,5	12,2
TOTALE 150+60 IN SOTTOSTA= ZIONE		175,5	84,5

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CAMPANIA:			
1)Frattamaggiore	"	3,5	2.-
2)Pomigliano	"	2.-	1.-
3)Salerno-Torre			
Castellammare	"	21,5	11.-
4)Benevento	"	3,25	1,4
5)Calore	"	1,25	0,7
6)Santa Maria	"	5,5	2,5
	"	5.-	2,2
LUCANIA			
FERROVIE: Zona Napoli	M.R.S.	3.-	1.-
Foggia-Benevento	"	8.-	2,7
Salerno-Torre	"	3,5	1,35
Villa Literno	"	1,5	0,45
TOTALE 150 KV IN SOTTO= STAZIONE		145.00	72,3
CALABRIA 60 KV:			
1)Savuto	-	4.-	2,8
2)Calabria	"	8,50	2.-
3)Ferrovie	M.R.S.	10.-	2,4
4)Montecatini Crotone	LL.PP.	8.-	5.-
TOTALE 60 KV IN SOTTOSTA= ZIONE		30,5	12,2
TOTALE 150+60 IN SOTTOSTA= ZIONE		175,5	84,5
TOTALE IN CENTRALE		200.-	97,5

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Fattore di contemporaneità = 0,9
Perdite di potenza = 18%
Perdite di energia = 13%

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CENTRAL ITALY - DICEMBER 1945

AREA SERVED AND RESPONSIBILITY OF	0600 to 1700 Morning Peak KW x 10^3	1700 to 2200 Evening Peak KW x 10^3	2200 to 0600 kW x 10^3	Permissible Energy KWh x 10^6
DISTRICT 3.				
Terni Plants (1)	26.=	15.=	23,5	15,3
Perugia and Foligno	4,8	4,1	4,2	3,4
Spoleto	3,4	4,1	3,3	2,6
Ancona & Adriatica Coast to North including Rimini	14.=	15,5	7.=	8,5
Orvieto & District	1,8	1,3	1,6	1.=
Adriatica South to Pescara inclusive of Aquila	4,7	5,2	2,6	3,1
Frosinone	3,7	4,7	1,6	1,9
Rieti	1,9	2.=	1,4	1,4
Viterbo	1,9	2.=	1,4	1,10
Rome District	1,9	2.=	1,1	1.=
P.B.S.				
Civitavecchia & Littoria	9.=	9,1	5,3	4,7
R.A.A.C.				
Roma	84.=	96,5	48.=	47,6
M.R.S.				
FF.SS.	10.=	5.=	10.=	3,5
Sub total at sub-stations	166,50	166,50	111.=	95.=
Sub total at Plants	188.=	188.=	126.=	108.=
P.B.S.				
Piombino	3.=	3,3	1,3	1,75
Grosseto	3,9	4,4	1,75	2.=
Lardarello	2,=	2,2	0,60	1,05
Siena	3.=	3,3	1,5	1,75
Firenze	22.=	24,4	19.=	14.=
Livorno	17.=	18,9	7.=	9.=
Lucca	12.=	13,3	4,4	6,2
Pistoia	3,6	4,5	1,75	1,95
Prato	8,4	9,2	3,5	4,8
DISTRICT 3				
[illegible] District	4,5	5.=	2,8	2,6

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Orvieto & District				
Adriatica South to Pescara inclusive of Aquila	4,7	5,2	2,6	3,1
Frosinone	3,7	4,7	1,6	1,9
Rieti	1,9	2.=	1,4	1,4
Viterbo	1,9	2.=	1,4	1,10
Rome District	1,9	2.=	1,1	1.=
P.B.S. Civitavecchia & Littoria	9.=	9,1	5,3	4,7
R.A.A.C. Rome	84.=	96,5	48.=	47,6
M.R.S. FF.SS.	10.=	5.=	10.=	3,5
Sub total at sub-stations	166,50	166,50	111.=	95.=
Sub total at Plants	188.=	188.=	126.=	108.=
P.B.S.				
Piombino	3.=	3,3	1,3	1,75
Grosseto	3,9	4,4	1,75	2.=
Lardarello	2.=	2,2	0,60	1,05
Siena	3.=	3,3	1,[illegible]	1,75
Firenze	22.=	24,4	19.=	14.=
Livorno	17.=	18,9	7.=	9.=
Lucca	12.=	13,3	4,4	6,2
Pistoia	3,6	4,5	1,75	1,95
Prato	8,4	9,2	3,5	4,8
DISTRICT 3				
Arezzo & District	4,5	5.=	2,8	2,6
Sub total substations	79,4	88.=	44.=	44,5
Sub total at plants	90.=	100.=	50.=	50,5
GRAND TOTAL	278.=	288.=	196.=	158,50

(1) - These figures do not include the power available at low tension from the 2nd unit of Galleto.

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BIDS FOR ELECTRIC POWER FOR THE MONTH OF DECEMBER 1945

SOUTHERN ITALY - GRID

AREA SERVED	Responsibility of	PERMISSIBLE 15 MINUTE PEAK DEMAND KW x 10^3			PERMISSI
		NOVEMBER Allocation	DECEMBER Bid	DECEMBER Allocation	NOVEMBER Allocation
Apulia Co.					
To UNES.	3 District	36.00	36.00		19.50
Naples District	3 District	1.00	1.00		0.40
Campania Co.	P.B.S.	37.00	40.50		18.50
(i) Frattamaggiore	P.B.S.	3.50	3.50		2.20
(ii) Pomiglianо	3 District	1.50	1.50		1.25
(iii) Salerno-Torre-Cast.	3 District	19.00	19.00		10.50
(iv) Benevento	3 District	3.25	3.25		1.40
(v) Calore	3 District	1.00	1.25		0.60
(vi) Santa Maria	P.B.S.	5.50	5.50		2.80
Lucania Co.	3 District	4.00	4.00		1.50
Railways, Naples Area	M.R.S.	1.50	3.00		1.10
Foggia-Benevento	M.R.S.	8.00	8.00		3.00
Salerno-Torre	M.R.S.	2.00	3.50		1.10
Villa Literno	M.R.S.	2.00	1.50		0.40
TOTAL 150 KV at SUBSTATIONS		125.25	131.50		64.25
Calabria 60 KV System					
(i) Calabria Co	ALCOA	8.50	8.50		2.00
(ii) Railways	M.R.S.	5.50	10.00		2.40
TOTAL 60 KV AT SUBSTATIONS		14.00	18.50		4.40
TOTAL 150 & 60 KV		139.25	150.00		68.65
TOTAL AT PLANTS		150.00			80.00

1945

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BIDS FOR ELECTRIC POWER FOR THE MONTH OF DECEMBER 1945

SOUTHERN ITALY - GRID

Consibility of	PERMISSIBLE 15 MINUTE PEAK DEMAND KW x 10^3			PERMISSIBLE ENERGY KWh x 10^6		
	NOVEMBER Allocation	DECEMBER Bid	DECEMBER Allocation	NOVEMBER Allocation	DECEMBER Bid	DECEMBER Allocation
District	36.00	36.00		19.50	19.50	
District	1.00	1.00		0.40	0.40	
F.B.S.	37.00	40.50		18.50	24.15	
P.B.S.	3.50	3.50		2.20	2.20	
District	1.50	1.50		1.25	1.25	
District	19.00	19.00		10.50	10.50	
District	3.25	3.25		1.40	1.40	
District	1.00	1.25		0.60	0.70	
P.B.S.	5.50	5.50		2.80	2.80	
District	4.00	4.00		1.50	1.50	
M.R.S.	1.50	3.00		1.10	1.10	
M.R.S.	8.00	8.00		3.00	3.00	
M.R.S.	2.00	3.50		1.10	1.50	
M.R.S.	2.00	1.50		0.40	0.50	
	125.25	131.50		64.25	70.45	
ALCCH	8.50	8.50		2.00	2.00	
M.R.S.	5.50	10.00		2.40	2.70	
	14.00	18.50		4.40	4.70	
	139.25	150.00		68.65	75.15	
	150.00			80.00		

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BIDS FOR ELECTRIC POWER FOR THE MONTH OF DECEMBER 1945

CENTRAL ITALY - GRID

AREA SERVED	Responsibility of	0600 - 2200 hours KW x 10^3 Morning Peak Allocated for NOV	Morning Peak Bid for DEC	Evening Peak Allocated for DEC	Evening Peak Allocated for NOV	Evening Peak Bid for DEC	2200 - 0600 hours x 10^3 Allocated for DEC	2200 - 0600 hours x 10^3 Allocated for NOV	2200 - 0600 hours x 10^3 Bid for DEC	2200 - 0600 hours x 10^3 Allocated for DEC
Terni										
Terni Carbide	3 District	14.00	14.00		9.00	9.00		17.00	17.00	
Terni (Piero Montoro Plant)	"	-	-		-	-		10.00	10.00	
Perugia & Foligno	"	10.00	10.00		10.00	10.00		15.00	15.00	
Foulete	"	4.00	4.00		3.00	3.00		4.00	4.00	
Ancona & Adriatic Coast to North including Rimini	"	3.00	3.00		3.00	3.00		3.00	3.00	
Orvieto & District	"	12.00	12.00		12.00	12.00		6.70	6.70	
Adriatic South to Pescara inclusive of Aquila	"	1.00	1.00		1.00	1.00		1.50	1.50	
Frosinone	"	4.00	4.00		4.00	4.00		2.50	2.50	
Rieti	"	3.00	3.00		3.00	3.00		1.50	1.50	
Viterbo	"	1.50	1.50		1.50	1.50		1.25	1.25	
Rome District	"	1.50	1.50		1.50	1.50		1.25	1.25	
Civitavecchia & Littoria	"	1.50	1.50		1.50	1.50		1.00	1.00	
Rome	P.B.S.	7.00	7.00		7.00	7.00		5.00	5.00	
Railways	R.A.M.C.	65.00	80.00		75.00	80.00		45.00	45.00	
	A.R.S.	10.00	10.00		10.00	10.00		10.00	10.00	
	SUB TOTAL	137.50	152.50		141.50	146.50		124.70	124.70	
Piombino	P.B.S.	3.00	3.00		3.00	3.00		1.50	1.50	
Grosseto	"	4.00	4.00		4.00	4.00		2.00	2.00	
Larderello	"	2.00	2.00		2.00	2.00		1.00	1.00	
Siena	"	3.00	3.50		3.00	3.00		1.50	1.50	
Florence	"	22.00	23.00		22.00	22.00		22.00	22.00	
Leghorn	"	17.00	16.50		17.00	17.00		8.00	8.00	
Lucca	"	12.00	13.00		12.00	12.00		5.00	5.00	
Pistoia	"	3.60	4.00		3.60	3.60		2.00	2.00	
Prato	"	8.40	9.00		8.40	8.40		4.00	4.00	
Arezzo & District	3 District	4.50	4.50		4.50	4.50		3.20	3.20	
	SUB TOTAL	79.50	84.50		79.50	79.50		50.20	50.20	
	GRAND TOTAL	217.00	222.00		221.00	221.00		174.90	174.90	

65550

NOTE: (+) This allocation may be used by the Nero Montoro Plant subject to none of the other allocations being allocate

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BIDS FOR ELECTRIC POWER FOR THE MONTH OF ... 1945

CENTRAL ITALY - GRID

Stability	0600 - 2200 hours Morning Peak MCV x 10^3 Allocated for NOV	Bid for DEC	Allocated for DEC	Evening Peak Allocated for NOV	Bid for NOV	Allocated for DEC	2200 - 0600 hours MCV x 10^3 Allocated for NOV	Bid for DEC	Allocated for DEC	Permissable Energy MCV x 10^6 Allocated for NOV	Bid for DEC	Allocated for DEC
...ict	14.00	14.00		9.00	9.00		17.00	17.00		8.70	8.70	
	-	-		-	-		10.00	10.00		2.00	2.00	
	10.00	10.00		10.00	10.00		15.00	15.00		6.80	6.80	
	4.00	4.00		3.00	3.00		4.00	4.00		2.30	2.30	
	3.00	3.00		3.00	3.00		3.00	3.00		1.80	1.80	
	12.00	12.00		12.00	12.00		6.70	6.70		5.90	5.90	
	1.00	1.00		1.00	1.00		1.50	1.50		.80	.80	
	4.00	4.00		4.00	4.00		2.50	2.50		2.10	2.10	
	3.00	3.00		3.00	3.00		1.50	1.50		1.50	1.50	
	1.50	1.50		1.50	1.50		1.25	1.25		.90	.90	
	1.50	1.50		1.50	1.50		1.25	1.25		.90	.90	
	1.50	1.50		1.50	1.50		1.00	1.00		.80	.80	
...S.	7.00	7.00		7.00	7.00		5.00	5.00		3.70	3.70	
...C.	65.00	80.00		75.00	80.00		45.00	45.00		37.50	39.50	
...S.	10.00	10.00		10.00	10.00		10.00	10.00		5.80	5.80	
...AL	137.50	152.50		141.50	146.50		124.70	124.70		81.50	83.50	
...S.	3.00	3.00		3.00	3.00		1.50	1.50				
	4.00	4.00		4.00	4.00		2.00	2.00				
	2.00	2.00		2.00	2.00		1.00	1.00				
	3.00	3.50		3.00	3.00		1.50	1.50				
	22.00	23.00		22.00	22.00		22.00	22.00		~~28.00~~	~~28.00~~	44.5
	17.00	18.50		17.00	17.00		8.00	8.00				
	12.00	13.00		12.00	12.00		5.00	5.00				
	3.60	4.00		3.60	3.60		2.00	2.00				
	8.40	9.00		8.40	8.40		4.00	4.00				
...ict	4.50	4.50		4.50	4.50		3.20	3.20				
...AL	79.50	84.50		79.50	79.50		50.20	50.20		28.00	28.00	
...TAL	217.00	222.00		221.00	221.00		174.90	174.90		109.50	111.50	

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by the Nera Montoro Plant subject to none of the other allocations being affected thereby.

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Tel: 478906 HEADQUARTERS ALLIED COMMISSION VSR/bb
APO 394
Public Works and Utilities Sub-Commission

051/PWU 26 Oct 45.

SUBJECT: Availability of Electricity -
Central and Southern Italy, Nov. 1945.

TO : Allied Force Electric Power Committee.

CENTRAL ITALY

1. Continued dry weather with consequent low stream flow has reduced the electric generating capacity in Central and Northern Italy to a point where the October Central Italy electricity allocations can not be met. Sub-normal voltage and frequency are experienced daily.

CENTRAL ITALY GRID

2. 22×10^3 KW of additional capacity is scheduled to be made available to the Central Italy Grid by mid November when the last Calleto unit is started.

3. If present dry conditions continue, there will be available, for allocation to the Central Italy Grid between 1 and 15 November, 141×10^3 KW. This figure will increase to 163×10^3 after the Calleto machine is started.

4. If rains begin immediately, and stream flows become normal in November, the corresponding quantities available for allocation will be 157 and 179×10^3 KW respectively.

5. Recapitulated below are the quantities estimated available for November, together with the October allocations, for comparison.

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	1-15 November		16-30 November		
	KWx10^3	KWHx10^6 per half month	KWx10^3	KWHx10^6 per half month	KWHx10^6 Total per month
Available for allocation if dry conditions continue	141	45.0 ~~39.8~~	169	49.2 ~~44.8~~	94.2 ~~89.8~~
Available for allocation if stream flows become normal	157	51.9 ~~46.2~~	179	55.1 ~~50.4~~	107.0 ~~96.6~~
October allocation for comparison	161.2	44.4	161.2	44.4	88.8

VALDARNO SYSTEM

6. The Edison Company supplying a large portion of North Italy, has reported that the figure of 20×10^6 KWH estimated to be supplied to the Valdarno Company (Florence - Leghorn) in October, will be reduced to about 11.5×10^6 KWH during each of the winter months, because of dry conditions. Also, the Edison Company claims that the present conditions of low voltage and frequency of their supply to the Valdarno Company, are due to the same cause. This matter will be discussed with representatives of the Edison and Valdarno Companies on 29 October.

7. In the event that 11.5×10^6 KWH per month are the maximum available to the Valdarno system from the North, the total which can be supplied to the Valdarno Company from present sources is as follows :-

	KWx10^3	KWHx10^6 per month
Available for allocation if dry conditions continue.	85	28
October allocation for comparison	79.5	40.9

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8. The quantities available shown in the foregoing will increase, if rain falls in the Valdarno area.

SOUTH ITALY

9. As of 25 October at 07:00 hours, the Sila reservoir contained sufficient water to generate 63.7×10^6 KWH, 11 percent more than estimated several month ago. Thus far, there has been no rain in Southern Italy to increase the outputs of the generating stations.

Shown below are the quantities of electricity estimated to be available in November, both under continued dry conditions, and under conditions of normal stream flow.

	KWx10^3	KWHx10^6
Available for allocation if dry conditions continue. Also October allocation	137.25	68.25
Available for allocation if stream flow becomes normal	161.0 ~~161~~	78.0

10. The movement of the Ferolete transformer has not yet started because of transportation difficulties.

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

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BIDS FOR ELECTRIC POWER FOR THE MONTH OF [illegible] 1945

SOUTHERN ITALY - GRID

65/66

AREA SERVED	Responsibility of	PERMISSIBLE 15 MINUTE PEAK DEMAND KW x 10³ NOVEMBER Allocation	DECEMBER Bid	DECEMBER Allocation	PERMI NOVEMBER Allocation
Apulia Co.					
To UNES.	3 District	35.00	~~36.00~~	37.50	19.50
Naples District	3 District	1.00	1.00		0.40
Campania Co.	P.B.S.	37.00	40.50		18.50
(i) Frattamaggiore	P.B.S.	3.50	3.50		2.20
(ii) Pomigliano	3 District	1.50	1.50		1.25
(iii) Salerno-Torre-Cast.	3 District	19.00	~~19.00~~	20.00	10.50
(iv) Benevento	3 District	3.25	3.25		1.40
(v) Calore	3 District	1.00	1.25		0.60
(vi) Santa Maria	P.B.S.	5.50	5.50		2.80
Lucania Co.	3 District	4.00	4.00		1.50
Railways, Naples Area	M.R.S.	1.50	3.00		1.10
Foggia-Benevento	M.R.S.	8.00	6.00		3.00
Salerno-Torre	M.R.S.	2.00	3.50		1.10
Villa Literno	M.R.S.	2.00	1.50		0.40
TOTAL 150 KV at SUBSTATIONS		125.25	131.50		64.25
Calabria 60 KV System					
(i) Calabria Co	ALCOM	8.50	8.50		2.00
(ii) Railways	M.R.S.	5.50	10.00		2.40
TOTAL 60 KV AT SUBSTATIONS		14.00	18.50		4.40
TOTAL 150 & 60 KV		139.25	150.00	152.50	68.65
TOTAL AT PLANTS		157.00		180.00	80.00

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139
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BIDS FOR ELECTRIC POWER FOR THE MONTH OF DECEMBER 1945

SOUTHERN ITALY - GRID

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Responsibility of	PERMISSIBLE 15 MINUTE PEAK DEMAND KW x 10^3			PERMISSIBLE ENERGY KWH x 10^6		
	NOVEMBER Allocation	DECEMBER Bid	DECEMBER Allocation	NOVEMBER Allocation	DECEMBER Bid	DECEMBER Allocation
3 District	36.00	~~36.00~~	37.50	19.50	~~19.50~~	21.60
3 District	1.00	1.00		0.40	0.40	
P.B.S.	37.00	40.50		16.50	24.10	
P.B.S.	3.50	3.50		2.20	2.20	
3 District	1.50	1.50		1.25	1.25	
3 District	19.00	~~20.00~~	20.00	10.50	~~10.50~~	11.65
3 District	3.25	3.25		1.40	1.40	
3 District	1.00	1.25		0.60	0.70	
P.B.S.	5.50	5.50		2.80	2.80	
3 District	4.00	4.00		1.50	1.50	
H.R.S.	1.50	3.00		1.10	1.10	
H.R.S.	8.00	8.00		3.00	3.00	
H.R.S.	2.00	3.50		1.10	1.50	
H.R.S.	2.00	1.50		0.40	0.50	
	125.25	131.50		64.25	70.45	
ALCOH	8.50	8.50		2.00	2.00	
H.R.S.	5.50	10.00		2.40	2.75	
	14.00	18.50		4.40	4.75	
	139.25	150.00	152.50	68.65	75.15	78.30
	157.00		180.00	80.00	?	90.00

10.50
1.15
11.65

78.30
75.15
3.15

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

BIDS FOR ELECTRIC POWER FOR THE MONTH OF DECEMBER 1945

CENTRAL ITALY - GRID

AREA SERVED	Responsibility of	0600 - 2200 hours KW x 10^3 Morning Peak Allocated for NOV	Morning Peak Bid for DEC	Morning Peak Allocated for DEC	Evening Peak Allocated for NOV	Evening Peak Bid for DEC	Evening Peak Allocated for DEC	2200 - 0 KW x Allocated for NOV	2200 - 0 KW x Bid for DEC
Terni	3 District	14.00	14.00	224	9.00	9.00	0.0.0	17.00	17.
Terni Carbide	"	-	-	10.00	-	-	10,00	10.00	10.
+Terni (Nera Montoro Plant)	"	10.00	~~10.00~~	13,50	10.00	~~10.00~~	19,50	15.00	15.
Perugia & Foligno	"	4.00	4.00		3.00	3.00		4.00	4.
Spoleto	"	3.00	3.00		3.00	3.00		3.00	3.
Ancona & Adriatic Coast to North including Rimini	"	12.00	12.00		12.00	12.00		6.70	6.
Orvieto & District	"	1.00	1.00		1.00	1.00		1.50	1.
Adriatic South to Pescara inclusive of Aquila	"	4.00	4.00		4.00	4.00		2.50	2.
Frosinone	"	3.00	3.00		3.00	3.00		1.50	1.
Rieti	"	1.50	1.50		1.50	1.50		1.25	1.
Viterbo	"	1.50	1.50		1.50	1.50		1.25	1.
Rome District	"	1.50	1.50		1.50	1.50		1.00	1.
Civitavecchia & Litteria	P.B.S.	7.00	7.00		7.00	7.00		5.00	5.
Rome	R.A.C.	65.00	80.00		75.00	80.00		45.00	45.
Railways	M.R.S.	10.00	10.00		10.00	10.00		10.00	10.
	SUB TOTAL	137.50	152.50	166.00	141.50	146.50	166.00	124.70	124.
Piombino	P.B.S.	3.00	3.00		3.00	3.00		1.50	1.
Grosseto	"	4.00	4.00		4.00	4.00		2.00	2.
Lardarello	"	2.00	2.00		2.00	2.00		1.00	1.
Siena	"	3.00	3.50		3.00	3.00		1.50	1.
Florence	"	22.00	23.00		22.00	22.00		22.00	22.
Leghorn	"	17.00	18.50		17.00	17.00		8.00	8.
Lucca	"	12.00	13.00		12.00	12.00		5.00	5.
Pistoia	"	3.60	4.00		3.60	3.60		2.00	2.
Prato	"	8.40	9.00		8.40	8.40		4.00	4.
Arezzo & District	3 District	4.50	4.50		4.50	4.50		3.20	3.
	SUB TOTAL	79.50	84.50	79.00	79.50	79.50	83.00	50.20	50.
	GRAND TOTAL	217.00	222.00	245	221.00	221.00	254.00	174.90	174.

NOTE: (+) This allocation may be used by the Nera Montoro Plant subject to none of the other allocations b

166
132.50
13.50

166
146.32
19.50

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

BIDS FOR ELECTRIC POWER FOR THE MONTH OF DECEMBER 1945

CENTRAL UTAH - GRID

6515

Responsibility of	0600 - 2200 hours KW x 10^3 Morning Peak Allocated for NOV	Bid for DEC	Allocated for DEC	0600 - 2200 hours KW x 10^3 Evening Peak Allocated for NOV	Bid for DEC	Allocated for DEC	2200 - 0600 hours KW x 10^3 Allocated for NOV	Bid for DEC	Allocated for DEC	Permissible Energy KWH x 10^6 Allocated for NOV	Bid for DEC	Allocated for DEC
3 District	14.00	14.00	12	9.00	9.00	9.00	17.00	17.00		8.70	8.70	
"	-	-	10.00	-	-	10.00	10.00	10.00		2.00	2.00	6.00
"	10.00	10.00	13.50	10.00	10.00	19.00	15.00	15.00		5.00	5.00	9.00
"	4.00	4.00		3.00	3.00		4.00	4.00		2.30	2.30	
"	3.00	3.00		3.00	3.00		3.00	3.00		1.80	1.80	
"	12.00	12.00		12.00	12.00		6.70	6.70		5.90	5.90	
"	1.00	1.00		1.00	1.00		1.50	1.50		.80	.80	
"	4.00	4.00		4.00	4.00		2.50	2.50		2.10	2.10	
"	3.00	3.00		3.00	3.00		1.50	1.50		1.50	1.50	
"	1.50	1.50		1.50	1.50		1.25	1.25		.90	.90	
"	1.50	1.50		1.50	1.50		1.25	1.25		.90	.90	
"	1.50	1.50		1.50	1.50		1.00	1.00		.80	.80	
P.B.S.	7.00	7.00		7.00	7.00		5.00	5.00		3.70	3.70	
R.A.M.C.	65.00	80.00		75.00	80.00		45.00	45.00		37.50	39.50	
M.R.S.	10.00	10.00		10.00	10.00		10.00	10.00		5.80	5.80	
SUB TOTAL	137.50	152.50	166.00	141.50	146.50	166.00	124.70	124.70	124.70	81.50	83.50	89.70
P.B.S.	3.00	3.00		3.00	3.00		1.50	1.50				
"	4.00	4.00		4.00	4.00		2.00	2.00				
"	2.00	2.00		2.00	2.00		1.00	1.00				
"	3.00	3.50		3.00	3.00		1.50	1.50				
"	22.00	23.00		22.00	22.00		22.00	22.00		28.00	28.00	
"	17.00	18.50		17.00	17.00		8.00	8.00				
"	12.00	13.00		12.00	12.00		5.00	5.00				
"	3.60	4.00		3.60	3.60		2.00	2.00				
"	8.40	9.00		8.40	8.40		4.00	4.00				
3 District	4.50	4.50		4.50	4.50		3.20	3.20				
SUB TOTAL	79.50	84.50	74.00	79.50	79.50	80.00	50.20	50.20	44.00	28.00	28.00	44.50
GRAND TOTAL	217.00	222.00	246	221.00	221.00	254.00	174.90	174.90	155.00	109.50	111.50	134.20

4.20
9.00
6.70
2.20
83.30
.70

44.3
89.70
134.20

166
2.30
13.50

166
140.50
1,9.50

124.70
11
13.70

y be used by the Nero Montero Plant subject to none of the other allocations being affected thereby.

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

Rome AIM
PM 75050

BIDS FOR ELECTRIC POWER FOR THE MONTH OF DECEMBER 1945

SOUTHERN ITALY - GRID

6544

AREA SERVED	Responsibility of	PERMISSIBLE 15 MINUTE PEAK DEMAND KW x 10³ NOVEMBER Allocation	DECEMBER Bid	DECEMBER Allocation	PERMI NOVEMBER Allocation
Apulia Co.	3 District	36.00	(1.50) (36.00)	37.5	19.50
To UIES.	3 District	1.00	1.00		0.40
Naples District	P.B.S.	37.00	(40.50) 1.50		18.50
Campania Co.					
(i) Frattamaggiore	P.B.S.	3.50	3.50		2.20
(ii) Pomigliano	3 District	1.50	1.50		1.25
(iii) Salerno-Torre-Cast.	3 District	19.00	19.00	20.00	10.50
(iv) Bene[illegible]to	3 District	3.25	3.25		1.40
(v) Calore	3 District	1.00	1.25		0.60
(vi) Santa Maria	P.B.S.	5.50	5.50		2.80
Lucania Co.	3 District	4.00	4.00		1.5
Railways, Naples Area	M.R.S.	1.50	3.00		1.10
Foggia-Benevento	M.R.S.	8.00	8.00		3.00
Salerno-Torre	M.R.S.	2.00	3.50		1.10
Villa Literno	M.R.S.	2.00	1.50		0.40
TOTAL 150 KV at SUBSTATIONS		125.25	131.50		64.25
Calabria 60 KV System					
(i) Calabria Co	ALCOM	8.50	8.50		2.00
(ii) Railways	M.R.S.	5.50	10.00		2.40
TOTAL 60 KV AT SUBSTATIONS		14.00	18.50		4.40
TOTAL 150 & 60 KV		139.25	150.00		68.65
TOTAL AT PLANTS		157.00			80.00

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BIDS FOR ELECTRIC POWER FOR THE MONTH OF DECEMBER 1945

SOUTHERN ITALY - GRID

6544

Responsibility of	PERMISSIBLE 15 MINUTE PEAK DEMAND KW x 10^3			PERMISSIBLE ENERGY KWH x 10^5		
	NOVEMBER Allocation	DECEMBER Bid	DECEMBER Allocation	NOVEMBER Allocation	DECEMBER Bid	DECEMBER Allocation
3 District	36.00	(1.50) (38.00)	37.5	19.50	19.50	21.50
3 District	1.00	1.00		0.40	0.40	
P.B.S.	37.00	(40.50) 1.50		18.50	24.10	
P.B.S.	3.50	3.50		2.20	2.20	
3 District	1.50	1.50		1.25	1.25	
3 District	19.00	19.00	20.00	10.50	10.50	11.65
3 District	3.25	3.25		1.40	1.40	
3 District	1.00	1.25		0.60	0.70	
P.B.S.	5.50	5.50		2.80	2.80	
3 District	4.00	4.00		1.50	1.50	
M.R.S.	1.50	3.00		1.10	1.10	
M.R.S.	8.00	8.00		3.00	3.00	
M.R.S.	2.00	3.50		1.10	1.50	
M.R.S.	2.00	1.50		0.40	0.50	
	125.25	131.50		64.25	70.45	
ALCOI	8.50	8.50		2.00	2.00	
M.R.S.	5.50	10.00		2.40	2.70	
	14.00	18.50		4.40	4.70	
	139.25	150.00		68.65	75.15	
	157.00			80.00		

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6543

BIDS FOR ELECTRIC POWER FOR THE MONTH OF DEC. 1945

CENTRAL ITALY - GRID

AREA SERVED	Responsibility of	0600 - 2200 hours KW x 10^3 Morning Peak Allocated for NOV	Bid for DEC	Allocated for DEC	Evening Peak Allocated for NOV	Bid for DEC	Allocated for DEC	2200 - 0600 hours KW x 10^3 Allocated for NOV	Bid for DEC	Allocated for DEC
Terni	3 District	14.00	14.00		9.00	9.00		17.00	17.00	
Terni Carbide	"	6.00	10.00		10.00	10.00		10.00	10.00	
(+)Terni (Nera Montoro Plant)	"	10.00	10.00	13.5	10.00	10.00	14.50	15.00	15.00	
Perugia & Foligno	"	4.00	4.00		3.00	3.00		4.00	4.00	
Spoleto	"	3.00	3.00		3.00	3.00		3.00	3.00	
Ancona & Adriatic Coast to North including Rimini	"	12.00	12.00		12.00	12.00		6.70	6.70	
Orvieto & District	"	1.00	1.00		1.00	1.00		1.50	1.50	
Adriatic South to Pescara inclusive of Aquila	"	4.00	4.00		4.00	4.00		2.50	2.50	
Frosinone	"	3.00	3.00		3.00	3.00		1.50	1.50	
Rieti	"	1.50	1.50		1.50	1.50		1.25	1.25	
Viterbo	"	1.50	1.50		1.50	1.50		1.25	1.25	
Rome District	"	1.50	1.50		1.50	1.50		1.00	1.00	
Civitavecchia & Littoria	P.B.S.	7.00	7.00		7.00	7.00		5.00	5.00	
Rome	R.A.M.C.	65.00	80.00		75.00	80.00		45.00	45.00	
Railways	M.R.S.	10.00	10.00		10.00	10.00		10.00	10.00	
	SUB TOTAL	137.50	152.50		141.50	146.50		124.70	124.70	
Piombino	P.B.S.	3.00	3.00		3.00	3.00		1.50	1.50	
Grosseto	"	4.00	4.00		4.00	4.00		2.00	2.00	
Leghorn	"	2.00	2.00		2.00	2.00		1.00	1.00	
Siena	"	3.00	3.50		3.00	3.00		1.50	1.50	
Florence	"	22.00	23.00		22.00	22.00		22.00	22.00	
Leghorn	"	17.00	18.50		17.00	17.00		8.00	8.00	
Lucca	"	12.00	13.00		12.00	12.00		5.00	5.00	
Pistoia	"	3.60	4.00		3.60	3.60		2.00	2.00	
Prato	"	8.40	9.00		8.40	8.40		4.00	4.00	
Arezzo & District	3 District	4.50	4.50		4.50	4.50		3.20	3.20	
	SUB TOTAL	79.50	84.50		79.50	79.50		50.20	50.20	
	GRAND TOTAL	217.00	222.00		221.00	221.00		174.90	174.90	

NOTE: (+) This allocation may be used by the Nera Montoro Plant subject to none of the other allocations being affe

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65 13

BIDS FOR ELECTRIC ENERGY FOR THE MONTH OF DECEMBER 1945

CENTRAL ITALY - GRID

lity	0600 - 2200 hours MW x 10^3 Morning Peak Allocated for NOV	Bid for DEC	Allocated for DEC	Evening Peak Allocated for NOV	Bid for DEC	Allocated for DEC	2200 - 0600 hours MW x 10^3 Allocated for NOV	Bid for DEC	Allocated for DEC	Permissible Energy MWH x 10^6 Allocated for NOV	Bid for DEC	Allocated for DEC
t	17.00	17.00	13.5	9.00	9.00		17.00	17.00	12.15	8.70	8.70	
	6.00	18.00		16.00	16.00		10.00	10.00		2.00	2.00	6.00
	10.00	10.00		10.00	10.00	14.50	15.00	15.00		5.80	5.80	9.60
	4.00	4.00		3.00	3.00		4.00	4.00		2.30	2.30	
	3.00	3.00		3.00	3.00		3.00	3.00		1.80	1.80	
	12.00	12.00		12.00	12.00		6.70	6.70		5.90	5.90	
	1.00	1.00		1.00	1.00		1.50	1.50		.80	.80	
	4.00	4.00		4.00	4.00		2.50	2.50		2.10	2.10	
	3.00	3.00		3.00	3.00		1.50	1.50		1.50	1.50	
	1.50	1.50		1.50	1.50		1.25	1.25		.90	.90	
	1.50	1.50		1.50	1.50		1.25	1.25		.90	.90	
	1.50	1.50		1.50	1.50		1.00	1.00		.80	.80	
	7.00	7.00		7.00	7.00		5.00	5.00		3.70	3.70	
	65.00	80.00		75.00	80.00		45.00	45.00		37.50	39.50	
	10.00	10.00		10.00	10.00		10.00	10.00		5.80	5.80	
	137.50	152.50	126	141.50	146.50		124.70	124.70	126	81.50	83.50	89.70
	3.00	3.00		3.00	3.00		1.50	1.50			45.0	
	4.00	4.00		4.00	4.00		2.00	2.00				
	2.00	2.00		2.00	2.00		1.00	1.00				
	3.00	3.50		3.00	3.00		1.50	1.50				
	22.00	25.00		22.00	22.00		22.00	22.00		28.00	25.00	
	17.00	18.50		17.00	17.00		8.00	8.00			44.5	
	12.00	15.00		12.00	12.00		5.00	5.00				
	3.60	4.00		3.60	3.60		2.00	2.00				
	8.40	9.00		8.40	8.40		4.00	4.00				
	4.50	4.50		4.50	4.50		3.20	3.20				
	79.50	84.50		79.50	79.50		50.20	50.20		28.00	28.00	
	217.00	222.00		221.00	221.00		174.90	174.90		109.50	111.50	

124.70

115

the Nera Montoro Plant subject to none of the other allocations being affected thereby.

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SOCIETÀ MERIDIONALE DI ELETTRICITÀ

MEMORANDUM FOR COL. LAPPER

Allotments and disponibility of power

1) Allotment of power for the whole SME system has been fixed at 170,6 MW for February .

2) With the above allotment at peak load time it is necessary:

in Apulia a courtailing of about 6-7000 KW (in the last days reduced at 3-4000)

in Campania a courtailing of about 3-4000 KW (in the last days reduced at 2-3000).

in Naples to keep disconnected elevators and heating customers. Shops must not use electric power after 1500 hours. Street cars are in service only on few lines and for some hours.

3) The present continous disponibility of power is:

Sila Reservoir	90 MW	
Neto River flow (about 5 m^3/sec)	22 "	112 MW
Tanagro + Tusciano		18 "
Calore		5 "
Matese		5,5 "
Capuano steam plant		20 "
Volturno Diesel plant		3
		163,5 MW

For peak loads of some hours additional capacity of 7-8 MW can be obtained from Timpagrande utilizing water of the pondage existing between Timpagrande and Orichella.

4) If the third unit of Orichella and the second unit of Calusia were in service and all the units of the hydro-plants kept running at full load a reserve capacity of about 30 MW would be available (with a Neto river flow a 5 m^3/sec and with complete utilization of the reservoir water). If the second unit of Matese 1st Stage were

o/o

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

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

SOCIETÀ MERIDIONALE DI ELETTRICITÀ

in service an additional capacity of 5,5 MW would be also available (the unit is now under repair and will be displaced in the Lete plant in the next future)

x x x

Conclusions:

S.M.E. system has been loaded in January and February at full capacity of all the available units.

The situation will be about the same in March as we do not expert a noticeable drop of demand but only reduced courtalings in Apulia and Campania areas.

About the end of March the situation will improve as Orichella and Calusia units will be in service and the evidence of demand drop will perhaps begin.

Naples, 17th February 1945
TM/lsa

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

SOTTHERN ITALY ------- JANUARY 1946

AREA SERVED	RESPONSABILYTY OF	Permissible 15 Minute Peak KW x 10^3	Permissible Energy kWh x 10^6
Apulia Co.	Italian P.W.	42	25
To U.N.E.S.	" "	1	0.4
Naples District	P.B.S.	44	25.5
Campania Co.			
(i) Frattamaggiore	P.B.S.	3.5	2.25
(ii) Pomigliano	Italian P.W.	2	1.3
(iii) Salerno-Torre Cast.	" "	21.5	12.15
(iv) Benevento	" "	3.25	1.6
(v) Calore	" "	1.25	0.8
(vi) S. Maria	P.B.S.	5.5	2.8
Lucania Co.	Italian P.W.	5	2.5
Railways:			
Naples area	M.R.S.	3	1.1
Foggia-Benvento	"	8	3
Salerno-Torre	"	3.5	1.5
Villa Literno	"	1.5	0.5
Total 150 KV at sub stations		145.00	80.40
Calabria 60 KV system:			
(i) Calabria Co.	Italian P.W.	8.5	2.85
(ii) Railways	M.R.S.	10	2.7
(iii) Crotone (Montecatini Works)	Italian P.W.	7	5
Total 60 KV sub stations		25.5	9.95
Total 150 KV and 60 KV		170.50	90.35

Power required by Crotone Works is 8 MW. The difference betewn requirement and allottement will be subtracted from Ilva Works Bagnoli (Ferro Alloys) Naples(P.B.S.)

6540

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BEST COPY POSSIBLE

3500
140,000

CENTRAL ITALY

January 1946

AREA SERVED BY OR RESPONSIBILITY OF	0600-1700 K' x 10^3	1700-2200 KW x 10^3	2200-0600 KW x 10^3	Permissable Energy KWx10^3
SECTION B.				
Terni Utilizations	17.5	17.5	22.5	13.2
Terni Customers	5.5	5.5	5.5	3.5
Terni Carbide (10 KV)	15	15	15	10.5
Terni Foligno	4	2.9	4	2.3
Spoleto	3	2.9	3	1.6
Ancona and Adriatic coast to North including Rimini	12	12.5	6.	5.9
Orvieto & District	1.1	1.1	1.75	0.9
Adriatic South to Pescara inclusive of Aquila	4	3.9	2.5	2.1
Frosinone	3.2	3.5	1.7	1.7
Rieti	1.5	1.4	1.25	0.9
Viterbo	1.6	1.6	1.45	1
Rome District	1.6	1.6	1.15	0.9
Civitavecchi & Littoria	7.5	8.2	5.7	4.1
Rome	84	96	51.5	44.2
EP... (+)	13	13	13	5.6
Total	174.5	190	130.7	98.0

S.E.C.

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

Own utilizations	17.5	17.5	42.4	15.2
Rural customers	5.5	5.5	5.5	3.5
Terni Carbids (10 KV)	15	15	15	10.5
Perugia e Foligno	4	2.9	4	2.3
Spoleto	3	2.9	3	1.6
Amerua and Adriatic coast to North including Rimini	12	12.5	6.	5.9
Orvieto & District	1.1	1.1	1.75	0.9
Adriatic South to Pescara inclusive of Aquila	4	3.9	2.5	2.1
Frosinone	3.2	3.5	1.7	1.7
Rieti	1.5	1.4	1.25	0.9
Viterbo	1.6	1.8	1.45	1
Rome District	1.6	1.8	1.15	0.9
Civitavecchi & Littoria	7.5	8,2	7	4.3
Roma	84	93	51.5	44.2
FF.SS. (+)	13	13	13	5.5
Total	174.5	190	136.7	98.6

F.F.S.

Florence-Grosseto Terni-Siena Florence-Bologna Lucca-Pistoia-Prato District 3. Arezzo & District	82.5	91.5	47.5	50
			6539	
	257	281.5	184.2	148.8

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DATI PER L'ASSEGNAZIONE DI ENERGIA ELETTRICA PER IL MESE DI GENNAIO

ITALIA CENTRALE

DISPONIBILITA' DELLA PRODUZIONE.

	ore	6-17 kW x 10^3	17-22 kW x 10^3	22-6 kW x 10^3	kWh x 10^6
TERNI					
1° - 3° - 4° gruppo Galleto Cervara e minori		110	110	110	61
2° gruppo Galleto (AT)		20	20	20	14
" " " (BT)		15	15	15	10.5
Totale disponibilità Terni		145	145	145	85.5
S.R.E. + A.C.E.A.					
Centrali già in servizio		33	46	12	19.9
Salisano		8	8	8	5.6
Totale disponibilità		41	54	20	25.4
U.N.E.S.		5	10	3.7	4
Totale Terni - S.R.E. - A.C.E.A. ed U.N.E.S.		191	209	168.7	115
VALDARNO					
Produzione propria		15	33	16	13.5
Larderello		17.5	17.5	17.5	12.1
Totale disponibilità		32.5	50.5	33.5	24.6
TOTALE GENERALE DI DISPONIBILITA'		223.5	259.5	201.2	134.5

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TERNI				
1° - 3° - 4° gruppo Galleto Cervara e minori	110	110	110	61
2° gruppo Galleto (AT)	20	20	20	14
" " " (BT)	15	15	15	10.5
Totale disponibilità Terni	145	145	145	85.5
S.R.E. + A.C.E.A.				
Centrali già in servizio	33	46	12	19.9
Salisano	8	8	8	5.6
Totale disponibilità	41	54	20	25.4
U.N.E.S.	5	10	3.7	4
Totale Terni - S.R.E. - A.C.E.A. ed U.N.E.S.	191	209	168.7	115
VALDARNO				
Produzione propria	15	33	16	12.5
Larderello	17.5	17.5	17.5	12.1
Totale disponibilità	32.5	50.5	33.5	24.6
TOTALE GENERALE DI DISPONIBILITA'	223.5	259.5	201.2	134.5
	190.0	232.0	171.0	114.2

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DATI PER L'ASSEGNAZIONE DEI ENERGIA ELETTRICA PER IL MESE DI GENNAIO

ITALIA CENTRALE

PROPOSTA DI ASSEGNAZIONE

	ore 6-17 KW x 10^3	17-22 KW X 10^3	22-6 KW x 10^3	kW x 10^6
TERNI				
Carburo (BT)	15	15	15	10.5
Ammoniaca	10	10	15	8
Stabilimenti Sociali	7.5	7.5	7.5	5.2
Utenze locali	5.5	5.5	5.5	3.5
Totale Terni	38	38	43	27.2
Alla S.M.E. dalla Terni	20	20	11	10.5
alla S.E.V. dalla Terni			24	5.7
FF.SS.	10	10	10	5.8
Totale proposto alla Terni	68	68	88	49.2
S.R.E. e A.C.E.A. Totale	99	117	63.25	52.8
U.N.E.S. Totale	24	24	17.45	13
Totale generale	191	209	168.70	115

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ore	6-17 KW x 10^3	17-22 KW x 10^3	22-6 KW x 10^3	kW x 10^6
TERNI				
Carburo (BT)	15	15	15	10.5
Ammoniaca	10	10	15	8
Stabilimenti Sociali	7.5	7.5	7.5	5.2
Utenze locali	5.5	5.5	5.5	3.5
Totale Terni	38	38	43	27.2
Alla S.M.E. dalla Terni	20	20	11	10.5
alla S.E.V. dalla Terni			24	5.7
FF.SS.	10	10	10	5.8
Totale proposto alla Terni	68	68	88	49.2
S.R.E. e A.C.E.A. Totale	99	117	63.25	52.8
U.N.E.S. Totale	24	24	17.45	13
Totale generale	191	209	168.70	115
Produzione disponibile	191	209	168.70	115

N.B. TERNI - Si è assegnato allo stabilimento del Carburo la produzione disponibile sul 10 KV del 2° gruppo Galleto.
Si è distribuita l'assegnazione tra le diverse utilizzazioni nel modo più aderente ai singoli prelievi.

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FF.SS. - Invariata l'assegnazione di dicembre.

S.R.E. e A.C.E.A. - Si è assegnata ad esse tutta la produzione della centrale di Salisano, aumentando l'assegnazione nelle ore di punta in relazione alle disponibilità.

U.N.E.S. - Invariata l'assegnazione di dicembre.

ore	6-17 KW x 10^3	17-22 KW x 10^3	22-6 KW x 10^3	kWh x 10^6
VALDARNO				
Assegnazione	82.5	91.5	47.5	4636
Produzione propria	32.5	50.5	23.5	24.5
Fabbisogno da terzi	-50	-41	-24	-22
Dalla Cisalpina	50	41		16.3
Dalla Terni			24	5.7

N.B. - Si sono riservati alla S.E.V. le disponibilità notturne della Terni e si è coperto il fabbisogno con la energia fornita dalla Cisalpina.

Roma, 28 dicembre 1945

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ore	6-17 KW x 10^3	17-22 KW x 10^3	22-6 KW x 10^3	kWh x 10^6
VALDARNO				
Assegnazione	82.5	91.5	47.5	46.6
Produzione propria	32.5	50.5	23.5	24.5
Fabbisogno da terzi	-50	-41	-24	-22
Dalla Cisalpina	50	41		16.3
Dalla Terni			24	5.7

N.B. - Si sono riservati alla S.E.V. le disponibilità notturne della Terni e si è coperto il fabbisogno con la energia fornita dalla Cisalpina.

Roma, 28 dicembre 1945

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CENTRAL ITALY - JENUARY 1946

AREA SERVED AND RESPONSIBILITY OF	0600-1700 KW x 10^3	1700-2200 KW x 10^3	2200-0600 KW x 10^3	Permissible Energy KWh x 10^6
DISTRICT 3.				
Terni plants	7,5	7.5	7.5	5.2
Terni Ammonia	10.=	10.=	15.=	8.=
Terni Carbide	15.=	15.=	15.=	10.5
Perugia & Foligno	5.5	5.5	5.5	3.5
Spoleto	4.=	3.=	4.=	2.3
Ancona and Adriatic coast to North including Rimini	3.=	3.=	3.=	1.8
Orvieto & District	11.5	12.=	6.7	5.9
Adriatic South to Pescara inclusive of Aquila	1.1	1.2	1.75	0.9
Frosinone	4.=	4.=	2.5	2.1
Rieti	3.2.	3.5	1.7	1.7
Viterbo	1.5	1.5	1.25	0.9
Rome District	1.6	1.8	1.45	1.=
Civitavecchia & Littoria	1.6	1.8	1.15	0.9
Rome	7.5	8.2	5.7	4.1
Railaways	84.=	101.=	51.5	44.2
	10.=	10.=	10?=	5.8
TOTAL	171.=	189.=	133.70	98.8
P.R.S.				
Piombino Grosseto Larderello Siena Florence Leghorn Lucca Pistoia Prato	82.5	91.5	47.5	46.6
3 DISTRICT				
Arezzo & Di[illegible]				

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Terni plants	7,5	7.5	7.5	5.2
Terni Ammonia	10.=	10.=	15.=	8.=
Terni Carbide	15.=	15.=	15.=	10.5
	5.5	5.5	5.5	3.5
Perugia & Foligno	4.=	3.=	4.=	2.3
Spoleto	3.=	3.=	3.=	1.8
Ancona and Adriatic coast to North including Rimini	11.5	12.=	6.7	5.9
Orvieto & District	1.1	1.2	1.75	0.9
Adriatic South to Pescara inclusive of Aquila	4.=	4.=	2.5	2.1
Frosinone	3.2.	3.5	1.7	1.7
Rieti	1.5	1.5	1.25	0.9
Viterbo	1.6	1.8	1.45	1.=
Rome District	1.6	1.8	1.15	0.9
Civitavecchia & Littoria	7.5	8.2	5.7	4.1
Rome	84.=	101.=	51.5	44.2
Railaways	10.=	10.=	10.=	5.8
TOTAL	171.=	189.=	133.70	98.8

P.B.S.

Piombino Grosseto Larderello Siena Florence Leghorn Lucca Pistoia Prato	82.5	91.5	47.5	46.6
3 DISTRICT Arezzo & District				
TOTAL	82.5	91.5	47.5	46.6
	253.5	280.5	181.2	145.4

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SOUTHERN ITALY - JANUARY 1946

AREA SERVED	RESPONSIBILITY OF	Permissible 15 Minute Peak KW x 10^3	Permissible Energy KWH x 10^6
Apulia Co.	LL.PP.	40,4	23,7
To UNES	LL.PP.	1,=	0,35
Naples District	P.B.S.	42,6	24,1
Campania Co:			
(i) Frattamaggiore	P.B.S.	3,5	2,=
(ii) Pomigliano	LL.PP.	2,=	1,15
(iii) Salerno-Torre Cast.	LL;PP.	21,=	10,85
(iv) Benevento	LL.PP.	3,25	1,40
(i) Calore	LL.PP.	1,25	0,7
(vi) Santa Maria	P.B.S.	5;5	2,5
Lucania Co:	LL.PP.	5,=	2,25
Railways: Naples area	M.R.S.	3,=	1,5
Foggia Benevento	M.R.S.	8,=	2,7
Salerno-Torre	M.R.S.	3,5	1,35
Villa Literno	M.R.S.	1,5	0,45
TOTAL 150 KV SUB STATIONS		145,=	74,5
Calabria 60 KV System:			
(i) Calabria Co.	LL.PP.	8,=	2,=
(ii) Crotone	LL.PP.	10,=	5,=
(iii) Pertusola	LL.PP.	3,5	2,5
(iv) Railways	M.R.S.	10,=	2,4
TOTAL 60 KV at SUSTATIONS		31,5	11,9
TOTAL 150 KV & 60 KV		176,5	86,4

NB; = Particolare assegnazione Crotone e Pertusola:

6-17 KW 10^3	17-22 KW 10^3	22-6 KW 10^3	KWh
8,=	8,=	10,=	5

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	RESPONSIBILITY OF	KW x 10^3	KWH x 10^6
Apulia Co.			
To UNES	LL.PP.	40,4	23,7
Naples District	LL.PP.	1,=	0,35
Campania Co:	P.B.S.	42,6	24,1
(i) Frattamaggiore	P.B.S.	3,5	2,=
(ii) Pomigliano	LL.PP.	2,=	1,15
(iii) Salerno-Torre Cast.	LL;PP.	21,=	10,85
(iv) Benevento	LL.PP.	3,25	1,40
(i) Calore	LL.PP.	1,25	0,7
(vi) Santa Maria	P.B.S.	5;5	2,5
Lucania Co:	LL.PP.	5,=	2,25
Railways: Naples area	M.R.S.	3,=	1,5
Foggia Benevento	M.R.S.	6,=	2,7
Salerno-Torre	M.R.S.	3,5	1,35
Villa Literno	M.R.S.	1,5	0,45
TOTAL 150 KV SUB STATIONS		145,=	74,5
Calabria 60 KV System:			
(i) Calabria Co.	LL.PP.	8,=	2,=
(ii) Crotone	LL.PP.	10,=	5,=
(iii) Pertusola	LL.PP.	3,5	2,5
(iv) Railways	M.R.S.	10,=	2,4
TOTAL 60 KV at SUSTATIONS		31,5	11,9
TOTAL 150 KV & 60 KV		176,5	86,4

NB; = Particolare assegnazione Crotone e Pertusola:

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	6-17 KW 10^3	17-22 KW 10^3	22-6 KW 10^3	KWh
Crotone	8,=	8,=	10,=	5
Pertusola	3,5	2,5	3,5	2,5

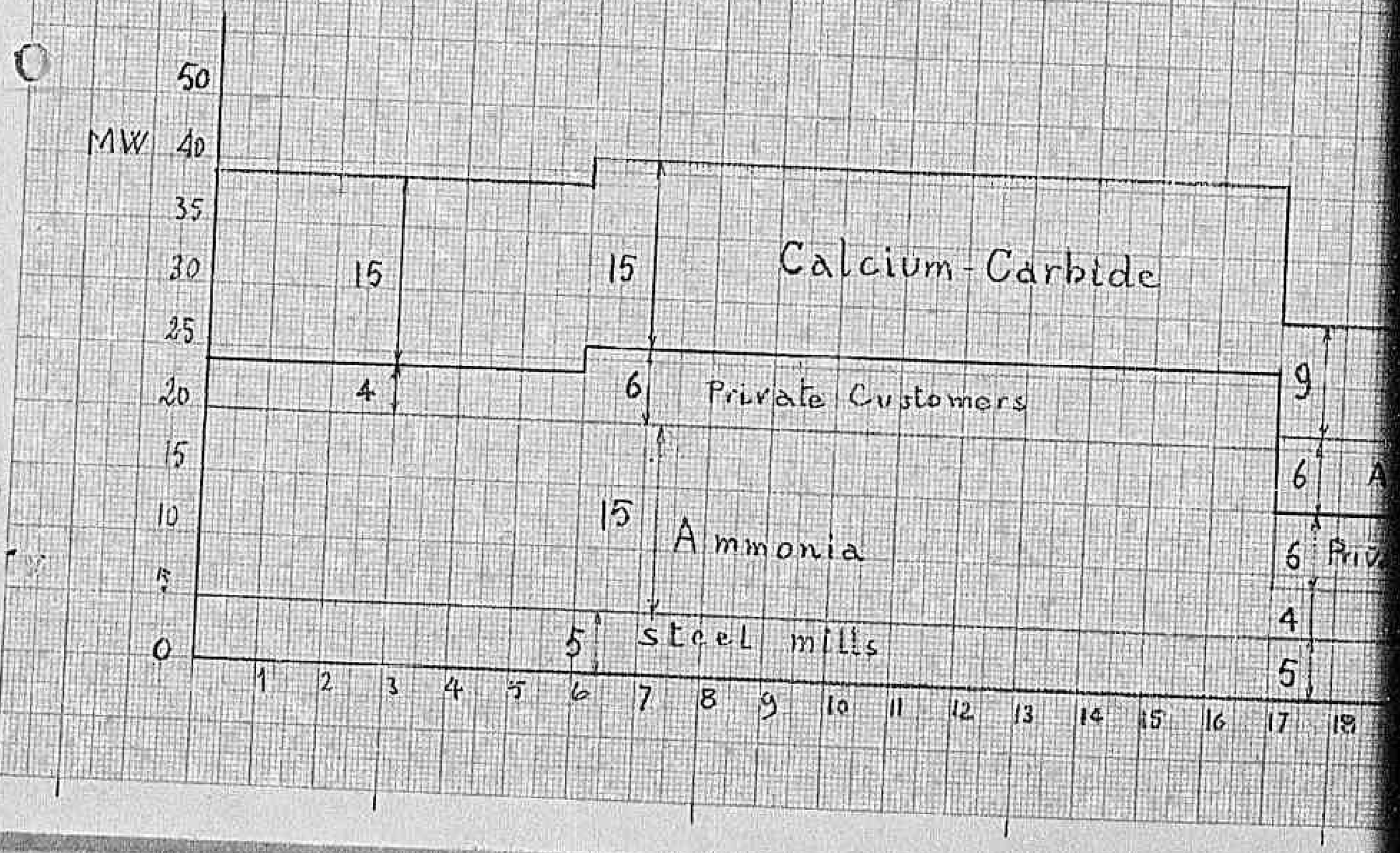
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Terni Load

December 1945

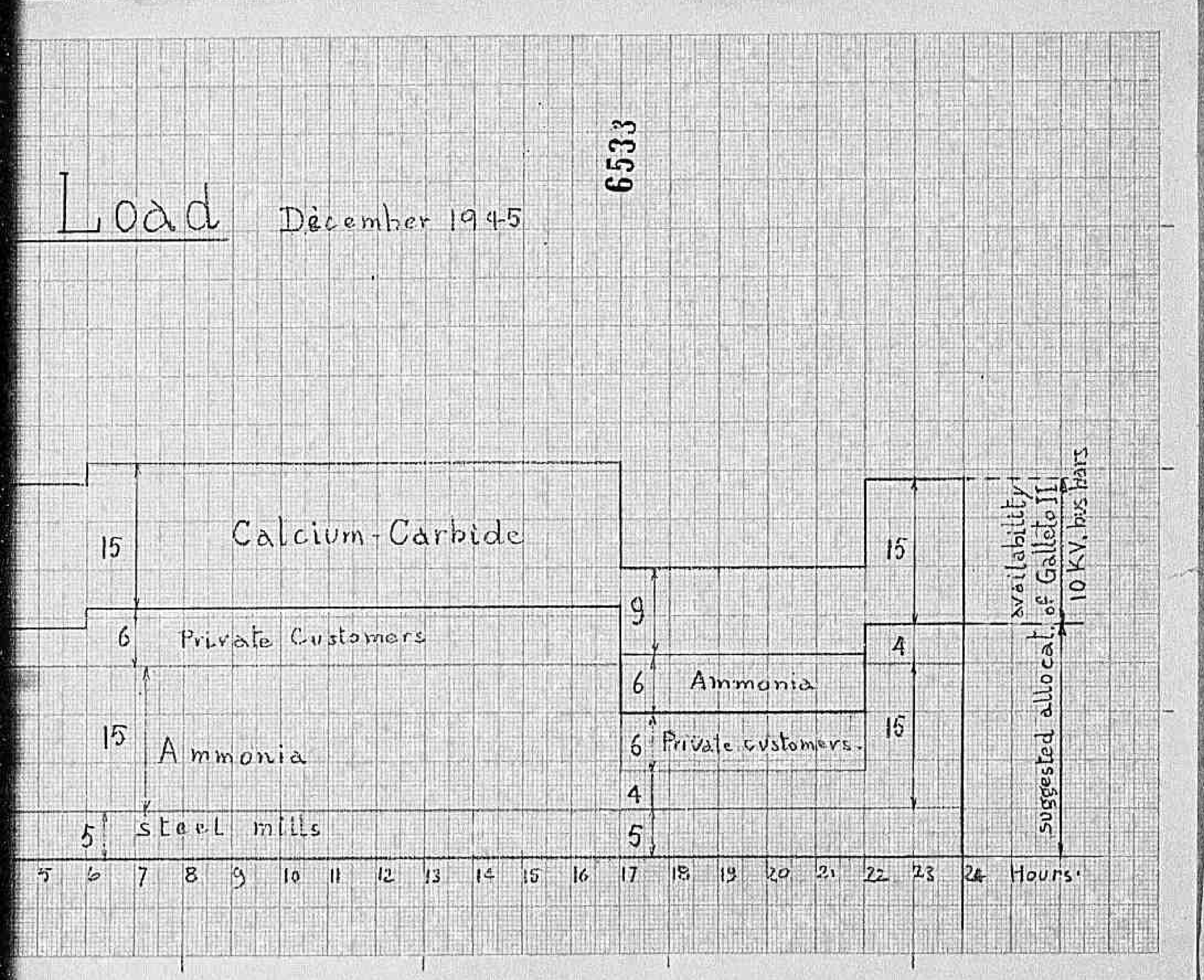
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6533

Load December 1945



Ministry of Public Works

Central Commission for the Rationing of Electric Power.

Minutes

Meeting held on December 29 1945, at 0930 hrs.

Present:

Prof Eng. M. Visentini - Chairman
Dr. Doctor F. Fasciani — member
Dr M. Valentini — " "
Dr Eng. Dell' Agli — representing Dr Eg. Paria - member
Dr Eg G. Silva — member

In attendance:

Col G. F Parker of A.C. H.Q and the Allied officers representing Rome and Naples Districts.
Mr. Moroni (State Railways), ~~Engs Asta~~
Eng Asta
Eg Berta
Eg Carbino
Dr. Eg Lupo

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Dr. ~~Doctor~~ F. Fasciani — member
Dr M. Valentini — " "
Dr Eng. Dell' Agli — representing Dr Eg. Paria - member
Dr Eg G. Silva — member

In attendance:

Col G. F Parker of A.C. H.Q and the Allied officers representing Rome and Naples Districts.

Mr. Moroni (State Railways), ~~Eng Aska~~
Eng Aska
Eg Burka
Eng Carbino
Dr. Eg Lupo

6532

1) Statement by the Chairman

Prof Eg Visentini reported that, following an agreement between the Allied Command and the Italian Government, the ~~purpose~~ functions of allocating the electric power available to the various areas had been handed over to the Central Commission, as of January 1 1946.

Three Provincial Commissions (at Rome, Naples, Florence) have been appointed in order to advise on the power allocation in those three

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regions and ~~have~~ held meetings ~~during~~ during the period 20-25 December 1945.

(2)

~~The suggested allocation table~~

An allocation sheet was then set up by the Central Commission according to the informations and recommendations received from the Provincial Commissions.

2) To discuss the electric power allocations for Central and Southern Italy for the month of January 1946.

(see attached allocation sheets)

Mr. Morosi of (State Railways) reported that the Rome-Orte railroad section should be ~~pe~~ operated from January 15; this is an important service ~~wood~~ requiring 3,000 ~~additional~~ KW's additional KW's for the State Railways allocation.

Col Parker and the Representative of 3 District called the attention of the Committee on the electric power situation in Southern Italy and on the fact that the power supply from Terni to SME coincides with the reactivation of Crotone and Partanna plants.

6531

The Representatives of DW-GHQ and 3 District protested against the allocation made to Partanna and Crotone plants, stating

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Southern Italy for the month of January 1946.

(see attached allocation sheets)

Mr. Morone (State Railways) reported that the Rome - Orte railroad section should be operated from January 15; this is an important service requiring 3,000 additional KW's for the State Railways allocation.

Col Parker and the Representative of 3 District called the attention of the Committee on the electric power situation in Southern Italy and on the fact that the power supply from Terni to SME coincides with the reactivation of Crotone and Pertusola plants.

6531

The Representatives of DW-CHQ and 3 District protested against the allocation made to Pertusola and Crotone plants, stating that this will render it necessary large disconnection of feeders in Southern Italy; those disconnections could not be tolerated by the military establishments which already are subjected to interruptions affecting their efficiency.

Col Parker requested that the power supply to Crotone be subordinated to disconnections of other industrial customers for an equal amount of power.

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Prof. Visentini explained that the Southern Italy situation had already been discussed, during the last few days, with Eng. Mastrigo of SME; following those discussions the latter suggested allocation sheet had been set up following those discussions. However he stated that the matter of supplying Crotone would again be taken up in the afternoon together with Eng Mastrigo keeping in mind the recommendations of the Allied representatives.

The Committee then agreed some minor changes to the power allocations in connection with Ancona and UNES area.

The Chairman suggested to postpone the discussion of n-3 and n-4 of the Agenda to the meeting to be held on February 7. 1946.

3) Any other business

The Chairman points out that at the next meeting, to be held at the end of January, the power allocations for February will be examined including the Northern Italy

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the recommendations of the Allied Representatives.

The Committee then agreed some minor ~~va~~ changes to the power allocations in connection with Ancona and UNES area.

The Chairman suggested to postpone the discussion of n-3 and n-4 of the Agenda to the meeting to be held on February 7. 1946.

3) Any other business

The Chairman points out that at the next meeting, to be held at the end of January, the ~~Febr~~ power allocations for February will be examined, including the Northern Italy area.

Col Parker requested that the Representatives of 3 District and 13th Corps (Venezia Giulia) be invited to attend to the meeting.

4) Date and Time of the next meeting

The next meeting will be held at the Ministry of Public Wks. at 0930 hrs on January 28 1946.

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(4)

Notes on the meeting held in the afternoon

Following decisions were taken:

1) Crotone plant will be supplied

2) Supply to Pertusola plant postponed

3) ~~1,000~~ The Ferro-Alloys plant (Ilva - Naples area) will be curtailed by 1,000 KW in order to make it possible to send 8 MW to Crotone.

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SOUTHERN ITALY ------- JANUARY 1946

AREA SERVED	RESPONSABILYTY OF	Permissible 15 Minute Peak KW x 10^3	Permissible Energy kWh x 10^6
Apulia Co.	Italian P.W.	42	25
To U.N.E.S.	" "	1	0.4
Naples District	P.B.S.	44	25.5
Campania Co:			
(i) Frattamaggiore	P.B.S.	3.5	2.25
(ii) Pomigliano	Italian P.W.	2	1.3
(iii) Salerno-Torre Cast.	" "	21.5	12.15
(iv) Benevento	" "	3.25	1.6
(v) Calore	" "	1.25	0.8
(vi) S. Maria	P.B.S.	5.5	2.8
Lucania Co.	Italian P.W.	5	2.5
Railways:			
Naples area	M.R.S.	3	1.1
Foggia-Benvento	"	8	3.
Salerno-Torre	"	3.5	1.5
Villa Literno	"	1.5	0.5
Total 150 KV at sub stations		145.00	80.40
Calabria 60 KV system:			
(i) Calabria Co.	Italian P.W.	8.5	2.25
(ii) Railways	M.R.S.	10	2.7
(iii) Crotone (Montecatini Works)	Italian P.W.	7	5
Total 60 KV sub stations		25.5	9.95
Total 150 KV and 60 KV		170.50	90.35

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Apulia Co.	Italian P.W.		0.4
To U.N.E.S.	" "	1	
Naples District	P.B.S.	44	25.5
Campania Co.			
(i) Frattamaggiore	P.B.S.	3.5	2.25
(ii) Pomigliano	Italian P.W.	2	1.3
(iii) Salerno-Torre Cast.	" "	21.5	12.15
(iv) Benevento	" "	3.25	1.6
(v) Calore	" "	1.25	0.8
(vi) S. Maria	P.B.S.	5.5	2.8
Lucania Co.	Italian P.W.	5	2.5
Railways:			
Naples area	M.R.S.	3	1.1
Foggia-Benvento	"	8	3.
Salerno-Torre	"	3.5	1.5
Villa Literno	"	1.5	0.5
Total 150 KV at sub stations		145.00	80.40
Calabria 60 KV system:			
(i) Calabria Co.	Italian P.W.	8.5	2.25
(ii) Railways	M.R.S.	10	2.7
(iii) Crotone (Montecatini Works)	Italian P.W.	7	5
Total 60 KV sub stations		25.5	9.95
Total 150 KV and 60 KV		170.50	90.35

Power required by Crotone Works is 8 MW. The difference between requirement and allottement will be subtracted from Ilva Works Bagnoli (Ferro Alloys) Naples(P.B.S.)

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CENTRAL ITALY

January 1946

AREA SERVED BY RESPONSIBILITY OF	0600-1700 KW x 10^3	1700-2200 KW x 10^3	2200-0600 KW x 10^3	Permissible Energy KWx10
DISTRICE 3.				
Own utilizations	17.5	17.5	22.5	13.2
Large customers	5.5	5.5	5.5	3.5
Terni Carbids (10 KV)	15	15	15	10.5
Terni & Foligno	4	2.9	4	2.3
Spoleto	3	2.9	3	1.8
Umbria and Adriatic coast to North including Rimini	12	12.5	6.	5.9
Orvieto & District	1.1	1.1	1.75	0.9
Adriatic South to Pescara inclusive of Aquila	4	3.9	2.5	2.1
Frosinone	3.2	3.5	1.7	1.7
Rieti	1.5	1.4	1.25	0.9
Viterbo	1.6	1.8	1.45	1
Rome District	1.6	1.8	1.15	0.9
Civitavecchi & Littoria	7.4	8.2	5.7	4.1
Rome	84	99	51.5	44.2
FF. SS. (-)	13	13	13	5.3
Total	174.5	190	136.7	95.6

T.S.S.

Piombino-Grosseto)

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Forni cementieri	5.5	5.5	5.5	3.5
Terni Carbids (30 KV)	15	15	15	10.5
Terni e Foligno	4	2.9	4	2.3
Spoleto	3	2.9	3	1.8
Ancona and Adriatic coast to North including Rimini	12	12.5	6.	5.9
Orvieto & District	1.1	1.1	1.75	0.9
Adriatic South to Pescara inclusive of Aquila	4	3.9	2.5	2.1
Frosinone	3.2	3.5	1.7	1.7
Rieti	1.5	1.4	1.25	0.9
Viterbo	1.6	1.8	1.45	1
Rome District	1.6	1.8	1.15	0.9
Civitavecchia & Littoria	7.1	8.2	5.7	4.1
Roma	84	99	51.5	44.2
AF.OI. (+)	13	13	13	5.4
Total	174.5	199	136.7	98.6

F.S.S.

Piombino-Grosseto Pederelli -Siena Firenze -Livorno Lucca-Pistoia-Prato District 3. Arezzo & District	32.5	91.5	47.5	50
	257	261.5	184.2	148.0

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ALLIED FORCE LOCAL RESOURCES SECTION.
A.F.H.Q.

LRS/215L/9.

Postal Address
A.F.L.R.S.
ROME AREA ALLIED COMMAND
C.M.F.

24th November 1945

ALLIED FORCE ELECTRIC POWER COMMITTEE

MINUTES

10. The second meeting of the Allied Force Electric Power Committee was held on Saturday, 24th November 1945, in the AFLRS (AFHQ) Conference Room, ROME.

PRESENT:

Chairman

Lt.Col. GEORGE F. PARKER
Public Works & Utilities Sub-Commission, HQ ALCOM.
(acting in the absence of Brig. B. B. EDWARDS, Works GHQ CMF)

Representatives of:

DW, GHQ CMF
CG, PBS
HQ No 3 District
CG, Rome Area Allied Command
HQ ALCOM Industry & Utilities
Sub-Commission

IN ATTENDANCE:

DAQMG, AFLRS (AFHQ)

and Representatives of:

Chief of Section (US) AFLRS (AFHQ)
G-4, MTOUSA

Italian Representatives in attendance:

Prof. Eng. L.VISENTINI, Inspector General
Electricity, Water & Gas,
Ministry of Public Works.
Prof. A. ASTA, Italian Government.

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10. The second meeting of the Allied Force Electric Power Committee was held on Saturday, 24th November 1945, in the AFLRS (AFHQ) Conference Room, ROME.

PRESENT:

Chairman

Lt.Col. GEORGE F. PARKER
Public Works & Utilities Sub-Commission, HQ ALCOM
(acting in the absence of Brig. B. B. EDWARDS, Works GHQ CMF)

Representatives of:

DW, GHQ CMF
CG, PBS
HQ No 3 District
CG, Rome Area Allied Command
HQ ALCOM Industry & Utilities Sub-Commission

IN ATTENDANCE:

DAQMG, AFLRS (AFHQ)

and Representatives of:

Chief of Section (US) AFLRS (AFHQ)
G-4, MTOUSA.

Italian Representatives in attendance:

Prof. Eng. L. VISENTINI, Inspector General, Electricity, Water & Gas, Ministry of Public Works.
Prof. A. ASTA, Italian Government, Ministry of Public Works

6526

11. MINUTES OF THE FIRST MEETING:

The minutes of the first meeting of the Committee held on 27th October 45 were approved.

12. SUPPLY OF ELECTRIC POWER FROM CENTRAL TO SOUTHERN ITALY:

HQ Allied Commission representative reported that the 150 KV transmission line connecting Central and Southern Italy is now scheduled for completion by the end of this month and will be ready for service along with the fourth generating unit at Galleto station. This unit will be tested in the course of the next few days.

/Para 13.....

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13. SILA RESERVOIR:

The water storage in the Sila Reservoir two weeks ago was down to 45 x 10^6 KWH, but due to heavy rainfall this storage has now increased to approximately 55 x 10^6 KWH.

14. TRANSFORMER CAPACITY - TUSCIANO:

The 10,000 KVA, 150-60 KV Transformer being moved from Feroleto to Tusciano is sheduled to be ready for operation by 15 DEC 45. The installation of this transformer will improve the power supply to the Naples area.

15. AVAILABILITY AND ALLOCATION OF ELECTRIC POWER:

(a) Southern Italy.

Due to the increased rainfall the electric power situation in Southern Italy has recently improved. The estimated power at plants available for allocation during December 1945 is:-

KW x 10^3	180.00
KWH x 10^6	90.00

These figures do not include the 20 x 10^3 KW (approx 7 x 10^6 KWH) which will be made available from Central Italy. It was the opinion of the Committee that no allocations should be made against this 20 x 10^3 KW but that it should be used during December to relieve system loads and to conserve additional water power in the Sila Reservoir.

Allocations of electric power in Southern Italy were agreed upon as per Annexure I.

(b) Central Italy.

The availability of power in Central Italy has improved, due to the increased rainfall and to arrangements having been completed for the supply of 60 x 10^3 KW and 25 x 10^6 KWH from Northern Italy.

The estimated power available for allocation during December 45 is :-

(i) Central Italy Area

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The 10,000 KVA, 150-60 KV Transformer being moved from Feroleto to Tusciano is sheduled to be ready for operation by 15 DEC 45. The installation of this transformer will improve the power supply to the Naples area.

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KW x 10^3	180.00
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These figures do not include the 20 x 10^3 KW (apprex 7 x 10^6 KWH) which will be made available from Central Italy. It was the opinion of the Committee that no allocations should be made against this 20 x 10^3 KW but that it should be used during December to relieve system loads and to conserve additional water power in the Sila Reservoir.

Allocations of electric power in Southern Italy were agreed upon as per Annexure I.

(b) Central Italy.

The availability of power in Central Italy has improved, due to the increased rainfall and to arrangements having been completed for the supply of 60 x 10^3 KW and 25 x 10^3 KWH from Northern Italy.

The estimated power available for allocation during December 45 is :-

(i) Central Italy Area

	0600-1700 KW x 10^3	1700-2200 KW x 10^3	2200-0600 KW x 10^3	KWH x 10^6
At plants	188	188	143	106
At measuring points	166	166	126	95

This availability of power does not include the 20 x 10^3 KW to be made available to Southern Italy.

(ii) Florence-Leghorn Area

At plants	90	100	50	50.5
At measuring points	79	88	44	44.5

Allocations of electric power in Central Italy were agreed upon as per Annexure I.

/Para. 16.....

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16. TERMINATION OF THE ACTIVITIES OF THE COMMITTEE:

At the last meeting of the Committee (minute 8 refers), the Allied Commission undertook to invite the appropriate Ministry of the Italian Government to be prepared to set up a similar body to the Allied Force Electric Power Committee to provide a National control for the use of electric power.

The Italian Government in accordance with the above invitation has considered this matter and is of the opinion that Decree No 95 dated 3 April 1944 establishing the Central Commission on Distribution and Utilization of Electric Power gives such Commission sufficient authority to assume these functions.

The composition of the Central Commission will be substantially as follows :-

Prof. Ing. M. Visentini - Inspector General of the Ministry of Public Works, chairman

Dr. Fausto Fasciani - Administrative representative of the Ministry of Public Works, member.

Eng. Giuseppe Pavia - Technical representative of the Ministry of Industry and Commerce.

Dr. Marcello Valentini - Administrative representative of the Ministry of Industry and Commerce.

Eng. Giovanni Silva - Representative of Electric Companies.

Eng. Raffaello Melograni - Representative of Industries consuming electric power.

together with such military representation as is desired by the Allied Forces. In this connection it is the opinion of the Committee that the following Headquarters and Services should be represented :-

Works GHQ CMF
HQ 3 District
Rome Area Allied Command
Military Railway Service
PBS (representing both PBS & MTOUSA)
Allied Commission.

6525

The Committee considered the above proposal and agreed to recommend that :-

(a) The bulk allocation of electric power in Central and Southern Italy be in future handled by the Central Commission with the proviso that military requirements of power will continue to receive first priority when allocations are being made.

(b) The Central Commission will function on lines similar to those of the Allied Force Electric Power Committee and will make

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Prof. Ing. M. Visentini - Inspector General of the Ministry of Public Works, chairman

Dr. Fausto Fasciani - Administrative representative of the Ministry of Public Works, member.

Eng. Giuseppe Pavia - Technical representative of the Ministry of Industry and Commerce.

Dr. Marcello Valentini - Administrative representative of the Ministry of Industry and Commerce.

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Works GHQ CMF
HQ 3 District
Rome Area Allied Command
Military Railway Service
PBS (representing both PBS & MTOUSA)
Allied Commission.

6525

The Committee considered the above proposal and agreed to recommend that :-

(a) The bulk allocation of electric power in Central and Southern Italy be in future handled by the Central Commission with the proviso that military requirements of power will continue to receive first priority when allocations are being made.

(b) The Central Commission will function on lines similar to those of the Allied Force Electric Power Committee and will make monthly allocations of Electric Power commencing with those for January 1946.

(c) As the Italian Government is prepared to establish Local Power Commissions in Naples, Rome and Florence, to ensure adequate liaison with the military, such Local Power Commissions will compile the bids for electric power for the area under their jurisdiction in consultation with the military representatives of the appropriate Base Section, District or equivalent Commands

/to ensure.. .....

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to ensure that military requirements are satisfied. These bids will be submitted by the Local Power Commissions to the Central Commission with copies to the military representatives concerned and to HQ Allied Commission Industries and Utilities Sub-Commission.

17. OTHER BUSINESS:

The Committee passed a vote of thanks to the Chairman for his services during his tenure of office, and to AFLRS for the manner in which the secretarial work of the Committee has been performed.

There being no further outstanding business, the Committee adjourned sine die.

S.J.B. LOUDEN, Major, D.C.M.G,
Secretary,
ALLIED FORCE ELECTRIC POWER COMMITTEE.

SJBL/ js.

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17	Fiscal Director, MTOUSA
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37	HQ, No 3 District
38	CE, HQ, No 3 District
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47	COMNOB, PALERMO
48	Chief Commissioner, Pg AMCA
49	Vice-President Economic Section
50/55	Economic Section, AFHQ
56/70	Industries & Utilities Sub-Commission
71	Chairman, Allied Force Electric Power Committee
72/74	War Diary
75	File
76/105	Spares.

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ANNEXURE 1

CENTRAL ITALY - DECEMBER 1945

AREA SERVED AND RESPONSIBILITY OF	0600-1700 KW x 10^3	1700-2200 KW x 10^3	2200-0600 KW x 10^3	Permissible Energy KWH x 10^6
DISTRICT 3.				
Terni	14.00	9.00	17.00 +	8.70
Terni Carbide.	10.00	10.00	10.00 +	6.00
Terni (Nera Montoro Plant)	13.50	19.50	15.00 +	9.00
Perugia & Foligno	4.00	3.00	4.00	2.30
Spoleto	3.00	3.00	3.00	1.80
Ancona & Adriatic Coast to North including Rimini.	12.00	12.00	6.70	5.90
Orvieto & District.	1.00	1.00	1.50	.80
Adriatic South to Pescara inclusive of Aquila.	4.00	4.00	2.50	2.10
Frosinone	3.00	3.00	1.50	1.50
Rieti	1.50	1.50	1.25	.90
Viterbo	1.50	1.50	1.25	.90
Rome District.	1.50	1.50	1.00	.80
Civitavecchia & Littoria	7.00	7.00	5.00	3.70
Rome	80.00	80.00	45.00	39.50
Railways.	10.00	10.00	10.00	5.80
Total	166.00 X	166.00	124.70	89.70
P.B.I.				
Piombino				
Grosseto				
Lardarello				
Siena				
Florence				
Leghorn	79.00	88.00	44.00	44.50
Lucca				13 4 20
Pistoia				
Prato				
3 DISTRICT.				
Arezzo & District.				
Total.	79.00	88.00	44.00	44.50
	254.00			6523

\+ 15×10^3 KW of this allocation is subject to the fourth unit at Galleto coming in to operation.

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ANNEXURE I

SOUTHERN ITALY - DECEMBER 1945

AREA SERVED	RESPONSIBILITY OF	Permissible 15 Minute Peak KW x 10^3	Permissible Energy KWH x 10^6
Apulia Co.	3 District	37.50 32.00	21.50
To UIES	3 District	1.00	0.40
Naples District	P.B.S.	40.50	24.10
Campania Co:			
(i) Frattamaggiore	P.B.S.	3.50	2.20
(ii) Pomigliano	3 District	1.50	1.25
(iii) Salerno-Torre-Cast.	3 District	20.00	11.65
(iv) Benevento	3 District	3.25	1.40
(v) Calore	3 District	1.25	0.70
(vi) Santa Maria	P.B.S.	5.50	2.80
Lucania Co.	3 District	4.00	1.50
Railways: Naples Area	M.R.S.	3.00	1.10
Foggia-Benevento	M.R.S.	8.00	3.00
Salerno-Torre	M.R.S.	3.50	1.50
Villa Literno	M.R.S.	1.50	0.50
TOTAL 150 KV at SUB STATIONS		134.00	73.60
Calabria 60 KV System:			
(i) Calabria Co.	ALCOM	8.50	2.00
(ii) Railways	M.R.S.	10.00	2.70
TOTAL 60 KV at SUBSTATIONS		18.50	4.70
TOTAL 150 KV & 60 KV		152.50	78.30
TOTAL AT PLANTS		180.00	90.00

15
25

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A.F.H.Q.

Postal Address :
AFLRS, ROME AREA
ALLIED COMMAND,
C. M. F.

TEL : 66275 ROME

LRS/215L/4.

27 October 1945

ALLIED FORCE ELECTRIC POWER COMMITTEE

M I N U T E S

1. The first meeting of the Allied Force Electric Power Committee was held on Saturday, 27 October 1945, in the AFLRS (AFHQ) Conference Room, ROME.

PRESENT:

Chairman

Lt.Col. George F. PARKER
Public Works and Utilities Sub Commission HQ, ALCOM
(Acting in absence of Brig.B.B. Edwards, Engrs.(B),AFHQ)

Representatives of:

Engineer Section, MTOUSA
D.W., GHQ, CMF
D.M.R., ITALY
C.G., P.B.S.
HQ, No 5 District
CG, Rome Area Allied Command
HQ, ALCOM
Public Works & Utilities
Sub-Commission, ALCOM

IN ATTENDANCE:

DAQMG, AFLRS, AFHQ

and representative of:

Chief of Section (US) AFLRS, AFHQ

2. ESTABLISHMENT OF THE COMMITTEE:

AFLRS, AFHQ reported to the meeting that the recommendations ma 6522 the twenty-third meeting of the Electric Power Committee (Minute 95 refers) on [illegible] functions when the Allied Force Local Resources (Italia

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1. The first meeting of the Allied Force Electric Power Committee was held on Saturday, 27 October 1945, in the AFLRS (AFHQ) Conference Room, ROME.

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Chairman

Lt.Col. George F. PARKER
Public Works and Utilities Sub Commission HQ, ALCOM
(Acting in absence of Brig.B.B. Edwards, Engrs.(B),AFHQ)

Representatives of:

Engineer Section, MTOUSA
D.W., GHQ, CMF
D.M.R., ITALY
C.G., P.B.S.
HQ, No 3 District
CG, Rome Area Allied Command
HQ, ALCOM
Public Works & Utilities
Sub-Commission, ALCOM

IN ATTENDANCE:

D.Q.M.G, AFLRS, AFHQ

and representative of:

Chief of Section (US) AFLRS, AFHQ

2. ESTABLISHMENT OF THE COMMITTEE:

AFLRS, AFHQ reported to the meeting that the recommendations ma 6522 the twenty-third meeting of the Electric Power Committee (Minute 95 refers) on the continuation of its functions when the Allied Force Local Resources (Italian) Board is dissolved, have been approved by the C.A.O, AFHQ and the Chief Commissio Allied Commission in their capacity as Joint Chairmen of the Board.

The Allied Force Electric Power Committee was therefore establi chairmanship, membership and terms of reference similar to those of the E Power Committee of the A.F.L.R.(Italian) Board. The recommendations of t Committee will be passed to the D/C.A.O AFHQ for approval prior to publicat

3. MINUTES OF THE TWENTY-THIRD MEETING OF THE ELECTRIC POWER COMMITTEE

The minutes of the 23rd meeting of the Electric Power Committee held on 29 SEP 45 were received.

/HQ ALCOM.....

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HQ ALCOM representative reported that the change to a frequency of 50 cycles upon the introduction of power from Central to Southern Italy would affect the areas of BENEVENTO and FOGGIA.

4. SUPPLY OF POWER FROM CENTRAL TO SOUTHERN ITALY:

HQ ALCOM representative reported that due to a hold-up in production schedules at the Terni Steel Works the completion date for the reconstruction of the ARCHI - PESCARA power lines was now estimated to be mid-November. The completion of the repairs to the No 2 Galleto generating unit was also anticipated to be effected by mid-November. When the above reconstruction is achieved it would be possible to supply 20×10^3 KW peak load and 7×10^6 KWH per month to the BENEVENTO - FOGGIA area from the Central Grid.

5. SILA RESERVOIR:

As of 25 October 1945 at 0700 hours, the SILA Reservoir contained sufficient water to generate 63.7×10^6 KWH. The average consumption on present allocations from this reservoir is 2×10^6 KWH per day.

6. TRANSFORMER CAPACITY - TUSCLANO:

The movement of the Feroleto Transformer to TUSCLANO to increase the line carrying capacity into NAPLES from Southern Italy has not yet commenced as the only rail waggon suitable for transporting the transformer is at present in Northern Italy. Steps are being taken to obtain the use of this rail waggon and the necessary increased road bridge capacity from the rail sidings to TUSCLANO has been installed. The Committee agreed that all possible steps should be taken to complete the movement of this transformer before the rainy season commences.

7. AVAILABILITY & ALLOCATION OF ELECTRIC POWER:

(a) Southern Italy

The additional storage capacity in the Sila Reservoir, referred to in minute 5 above, will permit of the present allocations of electric power in Southern Italy continuing through November in spite of the lack of rain in Southern Italy during October, subject to the rainfall in November being normal or above normal. Should the dry conditions continue through November it is anticipated that the electric power availability in Southern Italy will have to be curtailed towards the end of November in spite of the anticipated relief afforded by the supply of power from Central Italy planned for mid-November.

Allocations of electric power in Southern Italy were agreed upon as per Annexure I.

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would be possible to supply 20×10^3 KW peak load and 7×10^6 KWH per month to the BENEVENTO - FOGGIA area from the Central Grid.

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As of 25 October 1945 at 0700 hours, the SILA Reservoir contained sufficient water to generate 63.7×10^6 KWH. The average consumption on present allocations from this reservoir is 2×10^6 KWH per day.

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(a) Southern Italy

The additional storage capacity in the Sila Reservoir, referred to in minute 5 above, will permit of the present allocations of electric power in Southern Italy continuing through November in spite of the lack of rain in Southern Italy during October, subject to the rainfall in November being normal or above normal. Should the dry conditions continue through November it is anticipated that the electric power availability in Southern Italy will have to be curtailed towards the end of November in spite of the anticipated relief afforded by the supply of power from Central Italy planned for mid-November.

Allocations of electric power in Southern Italy were agreed upon as per Annexure I.

(b) Central Italy

Due to the continued dry conditions the availability of electric power in Central Italy is reduced to 141×10^3 KW and 94.2×10^6 KWH. An additional 22×10^3 KW will become available on the completion of the repairs to the No 2 Galleto unit planned for mid-November but the Committee agreed that in view of the precarious situation of the power supply in Southern Italy this increased capacity should be made available to the FOGGIA - BENEVENTO area. The HQ ALCOM representative concurred with the above views, stressing the importance to the civilian economy of the industries in Southern Italy in comparison with those in Central Italy.

Allocations of electric power in Central Italy were agreed upon as per Annexure I.

/8.....

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8. FUTURE ACTIVITIES OF THE COMMITTEE:

The situation regarding the availability of electric power in Southern Italy shows no improvement since the last meeting of the Electric Power Committee due to two factors :-

(a) the continuation of dry conditions;

and (b) the delay in the completion of the ARCHI - PESCARA transmission line and the fourth generating unit at Galleto Power Station.

Further, due to dry conditions, the availability of power in Central Italy is now reduced and cuts have had to be made in the November allocations.

The Committee therefore recommends that it holds a meeting in November to regulate the December allocations. It was agreed that HQ AFCOM should invite the appropriate Ministry of the Italian Government to be prepared to set up a similar body to the Allied Force Electric Power Committee to provide a National control of the use of electric power. Such a body to be prepared to take over the allocation of power throughout Italy from January 1946, it being however understood that military advisors would meet with the Committee and that military requirements of power must receive first priority. It was decided to invite Italian Ministry representatives to the next meeting of the Allied Force Electric Power Committee so that they might study the method of operation of the Committee.

9. NEXT MEETING:

Subject to the recommendations on its future activities being approved, the next meeting of the Committee will be held at 0930 hours on Saturday 24th November 1945.

S.J.B. LOUDEN, Major, DAQMG,
Secretary,
ALLIED FORCE ELECTRIC POWER COMMITTEE.

SJBL/gs.

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the appropriate Ministry of the Italian Government to be prepared to set up a similar body to the Allied Force Electric Power Committee to provide a National control of the use of electric power. Such a body to be prepared to take over the allocation of power throughout Italy from January 1946, it being however understood that military advisors would meet with the Committee and that military requirements of power must receive first priority. It was decided to invite Italian Ministry representatives to the next meeting of the Allied Force Electric Power Committee so that they might study the method of operation of the Committee.

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S.J.B. LOUDEN, Major, DAQMG,
Secretary,
ALLIED FORCE ELECTRIC POWER COMMITTEE.

SJBL/gs.

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28/29	HQ, 214 Group, RAF
30/31	D.M.R., ITALY
32	Tn. (Main), Rome, CMF
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49	COMNOB, PALERMO
50	Chief Commissioner, HQ, ALCOM
51	HQ, ALCOM
52	Vice-President, Economic Section, HQ ALCOM
53/58	Economic Section HQ ALCOM
59/60	Industry Sub-Commission
61/75	Public Works & Utilities Sub-Commission
76	Chairman, Allied Force Electric Power Committee
77/79	War Diary
80	File
81/105	Spares.

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ANNEXURE I.

CENTRAL ITALY - NOVEMBER 1945

AREA SERVED AND RESPONSIBILITY OF	0600 hours to 2200 hours Morning Peak KW x 10^2	2200 hours Evening Peak KW x 10^3	2200hrs to 0600 hours KW x 10^3	Permissible Energy KWH x 10^6
DISTRICT 3.				
Terni	14.00	9.00	17.00	8.70
Terni Carbide	-	-	10.00	2.00
+Terni (Nera Montoro Plant)	10.00	10.00	15.00	6.80
Perugia & Foligno	4.00	3.00	4.00	2.30
Spoleto	3.00	3.00	3.00	1.80
Ancona & Adriatic Coast to North including Rimini	12.00	12.00	6.70	5.90
Orvieto & District	1.00	1.00	1.50	.80
Adriatic South to Pescara inclusive of Aquila	4.00	4.00	2.50	2.10
Frosinone	3.00	3.00	1.50	1.50
Rieti	1.50	1.50	1.25	.90
Viterbo	1.50	1.50	1.25	.90
Rome District	1.50	1.50	1.00	.80
P.B.S.				
Civitavecchia & Littoria	7.00	7.00	5.00	3.70
R.A.A.C.				
Rome	65.00	75.00	45.00	37.50
M.R.S.				
Railways	10.00	10.00	10.00	5.80
Sub-Total	137.50 + [illegible]	141.50	124.70	81.50
P.B.S. Due at plants	188.00	188.00	126.00	16520
Piombino	3.00	3.00	1.50	
Grosseto	4.00	4.00	2.00	
Lardarello	2.00	2.00	1.00	
Siena	3.00	3.00	1.50	
Florence	22.00	22.00	22.00	
Leghorn	17.00	17.00	8.00	
Lucca	12.00	12.00	5.00	28.00
Pistoia	3.60	3.60	2.00	
Prato	8.40	8.40	4.00	

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Perugia & Foligno	4.00	10.00	15.00	6.80
Spoleto	3.00	3.00	4.00	2.30
Ancona & Adriatic Coast to North including Rimini	12.00	3.00	5.00	1.80
Orvieto & District	1.00	12.00	6.70	5.90
Adriatic South to Pescara inclusive of Aquila	4.00	1.00	1.50	.80
Frosinone	5.00	4.00	2.50	2.10
Rieti	1.50	3.00	1.50	1.50
Viterbo	1.50	1.50	1.25	.90
Rome District	1.50	1.50	1.25	.90
		1.50	1.00	.80
P.B.S.				
Civitavecchia & Littoria	7.00	7.00	5.00	3.70
R.A.A.C.				
Rome	65.00	75.00	45.00	37.50
A.R.S.				
Railways	10.00	10.00	10.00	5.80
Sub-Total	137.50	141.50	124.70	81.50
P.B.S. Due at plants	188.00	188.00	126.00	16520
Piombino	3.00	3.00	1.50	
Grosseto	4.00	4.00	2.00	
Lardarello	2.00	2.00	1.00	
Siena	3.00	3.00	1.50	
Florence	22.00	22.00	22.00	
Leghorn	17.00	17.00	8.00	
Lucca	12.00	12.00	5.00	28.00
Pistoia	3.60	3.60	2.00	
Prato	8.40	8.40	4.00	
DISTRICT 3				
Arezzo & District	4.50	4.50	3.20	
Sub-Total	79.50	79.50	50.20	28.00
Due at plants	90.00	100.00	52.00	50.50
GRAND TOTAL	217.00	221.00	174.90	109.50
188 Due at plants 30	278.00	288.00	176.00	158.50

NOTE (+) This allocation may be used by the Nero Montoro Plant subject to none of the other allocations being affected thereby.

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ANNEXURE I.

SOUTHERN ITALY - NOVEMBER 1945

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
Apulia Co.			
To UHES	3 District	36.00	19.50
Naples District	3 District	1.00	0.40
Campania Co.	P.B.S.	37.00	18.50
(i) Frattamaggiore	P.B.S.	3.50	2.20
(ii) Pomigliano	3 District	1.50	1.25
(iii) Salerno-Torre-Cast.	3 District	19.00	10.50
(iv) Benevento	3 District	3.25	1.40
(v) Calore	3 District	1.00	0.60
(vi) Santa Maria	P.B.S.	5.50	2.80
Lucania Co.	3 District	4.00	1.50
Railways, Naples Area (+)	M.R.S.	1.50	1.10
Foggia Benevento	M.R.S.	5.00	3.00
Salerno-Torre.	M.R.S.	2.00	1.10
TOTAL 150 KV AT SUBSTATIONS		123.25	63.85
Calabria 60 KV System			
(i) Calabria Co	ALCOM	8.50	2.00
(ii) Railways	M.R.S.	5.50	2.40
TOTAL 60 KV AT SUB STATIONS		14.00	4.40
TOTAL 150 KV & 60 KV		137.25	68.25
TOTAL AT PLANTS		155.00	80.00

NOTE: (+) M.R.S. to resubmit their requirements for an increased allocation for the electrification of the VILLA LITERNO section of the ROME - NAPLES line to AFLRS (AFHQ) when the exact date of requirement of this power is known and if increased power is available in Southern Italy, due to either interconnection with Central Italy or an adequate rainfall, this additional allocation will be authorized.

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ALLIED FORCE LOCAL RESOURCES SECTION
AFHQ

Postal Address:
AFLRS (RAC), APO 512.

Telephone: ROME 66063

LRS/215B

29 September 1945

ALLIED FORCE LOCAL RESOURCES (ITALIAN) BOARD

ELECTRIC POWER COMMITTEE - MINUTES

90. The twenty-third meeting of the Electric Power Committee was held at 0930 hours on Saturday 29 September 1945 in the AFLRS (AFHQ) Conference Room, ROME.

PRESENT:

Chairman
Lt. Col. GEORGE F. PARKER
Public Work & Utilities S.C. HQ ALCOM
(acting in absence of Brig. B. B. EDWARDS, Engrs. (B), AFHQ)

REPRESENTATIVES OF:

D.E., AFHQ
DIR, ITALY
CG, PBS
HQ, No. 3 District
CG, Rome Area Allied Command
Public Works & Utilities
Sub/Commission, HQ, ALCOM

IN ATTENDANCE:

Chief of Section (US), AFLRS, AFHQ
D.C.G., AFLRS, AFHQ

91. MINUTES OF LAST MEETING.

6519

The minutes of the twenty-second meeting held on 25 August 1945 were approved. HQ ALCOM representative reported that the areas in Southern Italy in which it was proposed to change to a 50 cycles frequency upon the introduction of power supplied from Central Italy were around Foggia but that their exact extent was still under discussion.

92. LINUTES OF BOARD MEETING. BENEVENTO - FOGIA AREA.

Such matters as arose for discussion from the meeting of the Board held on 22 August 1945 are dealt with in Minute 95 below. AFLRS (AFHQ) reported that the recommendation made by the Committee in regard to

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90. The twenty-third meeting of the Electric Power Committee was held at 0930 hours on Saturday 29 September 1945 in the AFLRS (AFHQ) Conference Room, ROME.

PRESENT:

Chairman
Lt. Col. GEORGE F. PARKER
Public Work & Utilities S.C. HQ ALCOM
(acting in absence of Brig. B. B. EDWARDS, Engrs. (B), AFHQ)

REPRESENTATIVES OF:

D.W., AFHQ
DMR, ITALY
CG, PBS
HQ, No. 3 District
CG, Rome Area Allied Command
Public Works & Utilities
Sub/Commission, HQ, ALCOM

IN ATTENDANCE:

Chief of Section (US), AFLRS, AFHQ
D.M.G, AFLRS, AFHQ

91. MINUTES OF LAST MEETING. 6519

The minutes of the twenty-second meeting held on 25 August 1945 were approved. HQ ALCOM representative reported that the areas in Southern Italy in which it was proposed to change to a 50 cycles frequency upon the introduction of power supplied from Central Italy were around Foggia but that their exact extent was still under discussion.

BENEVENTO - FOGIA AREA.

92. MINUTES OF BOARD MEETING.

Such matters as arose for discussion from the meeting of the Board held on 22 August 1945 are dealt with in Minute 95 below. AFLRS (AFHQ) reported that the recommendation made by the Committee in respect of the fuel oil supply to the Naples Thermal Station had been approved by the Board and was now being dealt with by the D/C.M.O, AFHQ.

93. ALLOCATION OF POWER - OCTOBER.

A report was received from HQ ALCOM on the amount of power available in Central and Southern Italy. Demands from Base Sections, Districts, etc., were received and allocations were made as per Annexure 1 attached.

94. SOUTHERN ITALY - POWER SITUATION.

The situation envisaged by the Committee at its meeting held on 21 July 1945 (Minute 79 refers) has now developed and unless a considerable increase in rainfall takes place the supply of water in the Sila reservoir will be exhausted at the beginning of November.

The Committee.....

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(a) The Committee strongly recommends to the Board that an order be issued by AFHQ restricting the use of electricity in Southern Italy enforcing the strictest economy with a view to conserving as long as possible such small supplies of water in the Sila reservoir as remain.

(b) 95. TERMINATION OF THE ACTIVITIES OF THE COMMITTEE.

In accordance with the instructions of the Board the Committee considered procedure for the continuation of its functions should the Board be dissolved.

The Chairman gave a brief resume of the situation regarding the supply of electric power in Italy as follows:

"Throughout the whole of Northern ITALY and as far South as a line drawn from East to West through LA SPEZIA and BOLOGNA and inclusive of both those towns, the supply of electric power is sufficient to meet the needs of both the civilian population and the military forces stationed in that area.

The Central ITALY grid covers an area stretching from the southern boundery of the Northern area to a line drawn from GAETA to PESCARA. In this area the supply of power is sufficient to meet military demands only so long as the civilian requirements are restricted by rationing.

In Southern ITALY, namely the entire mainland lying to the South of the Southern boundary of the Central ITALY grid, the supply of power is inadequate to meet military requirements plus essential civilian demands with the result that cuts have had to be made in tramway and train services, street lighting, steel works and repair yards and a large fertilizer manufacturing plant has been unable since 1 July 1945 to continue production.

The following steps are being taken to improve this situation:

(a) A transmission line carrying power from the Central ITALY grid to the Eastern side of Southern ITALY is planned to be completed towards the end of October.

(b) Repairs to a transmission line between the Central ITALY grid and the NAPLES area are estimated to be completed by the 31 December 1945.

(c) A plan is under consideration for the installation of additional transformer capacity on the main transmission line into NAPLES from the South.

It will not be until the allocations for November are under consideration that the effect of any of these steps will be felt. It will then be necessary to consider the total availability of electric power throughout Southern and Central ITALY and obtain the views of all interested Services before allocations are made.

The Committee therefore

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population and the military forces stationed in that area.

The Central ITALY grid covers an area stretching from the southern boundary of the Northern area to a line drawn from [illegible] to PESCARA. In this area the supply of power is sufficient to meet military demands only so long as the civilian requirements are restricted by rationing.

In Southern ITALY, namely the entire mainland lying to the South of the Southern boundary of the Central ITALY grid, the supply of power is inadequate to meet military requirements plus essential civilian demands with the result that cuts have had to be made in tramway and train services, street lighting, steel works and repair yards and a large fertilizer manufacturing plant has been unable since 1 July 1945 to continue production.

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(c) A plan is under consideration for the installation of additional transformer capacity on the main transmission line into NAPLES from the South.

It will not be until the allocations for November are under consideration that the effect of any of these steps will be felt. It will then be necessary to consider the total availability of electric power throughout Southern and Central ITALY and obtain the views of all interested Services before allocations are made.

The Committee therefore unanimously recommended to the Board that:

(i) The control of the bulk allocation of electric power in Central and Southern Italy should remain in the hands of the military.

(ii) In view of the present difficulties of electric power supply in Southern Italy and the necessity for the careful control of bulk allocations of power for transmission from Central to Southern Italy a Committee constituted on similar lines to the present Committee should continue to function and make bulk allocations of power. Such a Committee to review the necessity for continuing its functions at each meeting with a view to terminating its activities as soon as possible compatable with the requirements of the Allied Forces for electric power being ensured. The recommendation of such a Committee to be passed to the D/CAO, AFHQ for approval prior to publication.

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96. NEXT MEETING.

The next meeting of the Committee, or the first meeting of the Committee proposed in Minute 95 above will be held at 0930 hours on Saturday 27 October 1945.

S.J.B. LOUDEN, Major, DAQMG,
Secretary,
A. F. L. R. (ITALIAN) BOARD.

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19	Q(AE), AFHQ
20	Engineer Section, AFHQ
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24	Q (Coal Section), AFHQ
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37	Fin., RAF
38/40	CE, PBS
41	HQ, 2 District
42	CE, 2 District
43	Fin., No. 3 District
44	CE, HQ, No. 3 District
45/49	CG, Rome Area Allied Command
50	SENLUSNO, ITALY
51	C.S., FLRAFTO
52	COMNOB, PALERMO
53	FOIL, Rome
54	Chief Commissioner, ALCOM
55	HQ ALCOM
56	Vice-President, Economic Section
57/62	Economic Section
63/64	Industry Sub-Commission
65/79	Public Works & Utilities Sub-Commission
80	Chairman, Electric Power Committee
81	File
82/110	Spares

6518

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ANNEXURE I.

CENTRAL ITALY (OCTOBER 1945)

AREA SERVED & RESPONSIBILITY OF	KW x 10^3 0600 hours	KWH x 10^6 to 2200 hours	KW x 10^3 2200 hours	KWH x 10^6 to 0600 hours
DISTRICT 3				
Terni	19.00	7.30	17.00	3.20
Terni Carbide	-	-	10.00	2.00
* Terni (Nera Montero Plant)	15.00	5.90	15.00	3.00
Perugia & Foligno	5.00	2.00	4.00	0.80
Spoleto	3.50	1.40	3.00	0.60
Ancona & Adriatic coast to North exclusive of Fano	6.60	2.50	4.10	0.80
Arezzo & District	4.50	1.80	3.20	0.60
Orvieto & District	2.00	0.80	1.50	0.30
Adriatic South to Pescara	1.50	0.60	1.50	0.30
Frosinone	3.00	1.20	1.50	0.35
Rieti	1.50	0.70	1.25	0.30
Viterbo	1.50	0.70	1.25	0.30
Rome (District)	1.50	0.70	1.00	0.25
Aquila	1.50	0.70	1.00	0.25
P.B.S.				
Grosseto	4.00	1.50	2.00	0.40
Lardarello	2.00	0.80	1.00	0.20
Siena	3.00	1.20	1.50	0.35
Civitavecchia & Littoria	7.00	2.70	5.00	1.00
Piombino	3.00	1.20	1.50	0.35
R.A.F.C.				
Rome	80.00	31.70	45.00	9.00
M.R.S.				
Railways	10.00	4.00	10.00	2.00
DISTRICT 2				
Rimini & Adriatic coast to S. inclusive of Fano	2.60	1.00	2.60	0.50
P.B.S.				
Florence	22.00	8.70	22.00	4.10
Leghorn	17.00	6.80	8.00	1.50
Lucca	12.00	4.70	5.00	1.00
Pistoia	3.60	1.40	2.00	0.40
Prato	8.40	3.20	4.05	0.70
TOTAL	240.70	95.20	174.90	34.55

* This allocation may be used by the NERA MONTORO Plant subject to none of the other allocations being effected thereby.

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ANNEXURE I (Cont'd)

SOUTHERN ITALY (OCTOBER 1945)

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3		PERMISSIBLE ENERGY KWH x 10^6	Nov.
			Nov		
Apulia Co.	3 District	36.00	39.5	19.50	22.00
To UNES	3 District	1.00	—	0.40	—
NAPLES DISTRICT	P.B.S.	37.00	40.5	18.50	24.40
Campanic Co.					
(i) Frattamaggiore	P.B.S.	3.50	—	2.20	—
(ii) Pomigliano	3 District	1.50	2.0	1.25	1.30
(iii) Salerno-Torre-Cast	3 District	19.00	22.5	10.50	11.30
(iv) Benevento	3 District	3.25	—	1.40	—
(v) Calore	3 District	1.00	1.25	0.60	0.70
(vi) Santa Maria	P.B.S.	5.50	—	2.80	—
Lucania Co.	3 District	4.00	—	1.50	1.60
Railways - Naples area	N.R.S.	1.50	3.50	1.10	1.76
Foggia Benevento	N.R.S.	8.00	—	3.00	—
Salerno-Torre	N.R.S.	2.00	—	1.10	—
TOTAL 150 KV at SUB STATIONS		123.25	134.0	63.85	73.46
Calabria 60 KV System					
(i) Calabria Co.	ALCON	8.50	—	2.00	—
(ii) Railways	N.R.S.	5.50	—	2.40	—
TOTAL 60 KV at SUB STATIONS		14.00	—	4.40	—
TOTAL 150 KV & 60 KV		137.25	150.05	68.25	77.86
TOTAL AT PLANTS		155.00	169.25	80.00	91.25

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BIDS FOR ELECTRIC POWER FOR THE MONTH OF NOVEMBER 1945

CENTRAL ITALY - GRID

AREA SERVED	Responsibility of	0600 - 2200 hours KW x 10^3 Allocated for OCT	Bid for NOV	Allocated for NOV	KWH x 10^6 Allocated for OCT	Bid for NOV	Allocated for NOV	Allocated
Terni	3 District	19.00	19.00	14 - 14	7.30	7.30		
Terni Carbide	"	-	-		-	-		
+Terni (Nera Montoro Plant)	"	15.00	15.00	12 - 12	5.90	5.90		
Perugia & Foligno	"	5.00	5.00	4 - 3	2.00	2.00		
Spoleto	"	3.50	3.50	3 - 3	1.40	1.40		
Ancona & Adriatic Coast to North exclusive of Fano	"	6.60	6.60	12 - 12	2.50	2.50		
Arezzo & District	"	4.50	4.50		1.80	1.80		
Orvieto & District	"	2.00	2.00	1 - 1	0.80	0.80		
Adriatic South to Pescara	"	1.50	1.50	4 - 4	0.60	0.60		
Frosinone	"	3.00	3.00		1.20	1.20		
Rieti	"	1.50	1.50		0.70	0.70		
Viterbo	"	1.50	1.50		0.70	0.70		
Rome (District)	"	1.50	1.50		0.70	0.70		
Aquila	"	1.50	1.50		0.70	0.70		
Civitavecchia & Littoria	P.B.S.	7.00	7.00		2.70	2.70		
Piombino	"	3.00	3.00		1.20	1.20		
Grosseto	"	4.00	4.00		1.50	1.50		
Lardarello	"	2.00	2.00		0.80	0.80		
Siena	"	3.00	3.50		1.20	1.40		
Florence	"	22.00	22.00		8.70	8.70		
Leghorn	"	17.00	18.50		6.80	7.40		
Lucca	"	12.00	13.00		4.70	5.20		
Pistoia	"	3.60	4.00		1.40	1.60		
Prato	"	8.40	9.00		3.20	3.60		
Rome	R.A.A.C.	80.00	80.00		31.70	31.70		
Railways	M.R.S.	10.00	13.60		4.00	4.36		
Rimini & Adriatic Coast to South inclusive of Fano	2 District	2.60	2.60		1.00	1.00		
	T O T A L	240.70	248.30		95.20	97.46		

(1373-141)

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BIDS FOR ELECTRIC POWER FOR THE MONTH OF NOVEMBER 1945

CENTRAL ITALY - GRID

NOTE: (+) This allocation may be used by the Nero Montoro Plant subject to none of the other allocations being affected thereby.

Responsibility of	0600 - 2200 hours KW x 10^3 Allocated for OCT	Bid for NOV	Allocated for NOV	0600 - 2200 hours KWH x 10^6 Allocated for OCT	Bid for NOV	Allocated for NOV	2200 - 0600 hours KW x 10^3 Allocated for OCT	Bid for NOV	Allocated for NOV	2200 - 0600 hours KWH x 10^6 Allocated for OCT	Bid for NOV	Allocated for NOV
District	19.00	19.00	14 - 9	7.30	7.30		17.00	17.00		3.20	3.20	
"	-	-		-	-		10.00	10.00		2.00	2.00	
"	15.00	15.00	10 - 10	5.90	5.90		15.00	15.00		3.00	3.00	
"	5.00	5.00	4 - 3	2.00	2.00		4.00	4.00		0.80	0.80	
"	3.50	3.50	3 - 3	1.40	1.40		3.00	3.00		0.60	0.60	
"	6.60	6.60	12 - 12	2.50	2.50		4.10	4.10		0.80	0.80	
"	4.50	4.50		1.80	1.80		3.20	3.20		0.60	0.60	
"	2.00	2.00	1 - 1	0.80	0.80		1.50	1.50		0.30	0.30	
"	1.50	1.50	4 - 4	0.60	0.60		1.50	1.50		0.30	0.30	
"	3.00	3.00		1.20	1.20		1.50	1.50		0.35	0.35	
"	1.50	1.50		0.70	0.70		1.25	1.25		0.30	0.30	
"	1.50	1.50		0.70	0.70		1.25	1.25		0.30	0.30	
"	1.50	1.50		0.70	0.70		1.00	1.00		0.25	0.25	
"	1.50	1.50		0.70	0.70		1.00	1.00		0.25	0.25	
P.D.S.	7.00	7.00		2.70	2.70		5.00	5.00		1.00	1.00	
"	3.00	3.00		1.20	1.20		1.50	1.50		0.35	0.35	
"	4.00	4.00		1.50	1.50		2.00	2.00		0.40	0.40	
"	2.00	2.00		0.80	0.80		1.00	1.00		0.20	0.20	
"	3.00	3.50		1.20	1.40		1.50	1.50		0.35	0.35	
"	22.00	22.00		8.70	8.70		22.00	22.00		4.10	4.10	
"	17.00	18.50		6.80	7.40		8.00	8.00		1.50	1.50	
"	12.00	13.00		4.70	5.20		5.00	5.00		1.00	1.00	
"	3.60	4.00		1.40	1.60		2.00	2.00		0.40	0.40	
"	8.40	9.00		3.20	3.60		4.00	4.00		0.70	0.70	
R.A.A.C.	80.00	80.00		31.70	31.70		45.00	45.00		9.00	9.00	
M.R.S.	10.00	13.60		4.00	4.36		10.00	10.00		2.00	2.00	
District	2.60	2.60		1.00	1.00		2.60	2.60		0.50	0.50	
T O T A L	240.70	248.30		95.20	97.46		174.90	174.90		34.55	34.55	

(137.5-141)

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

BIDS FOR ELECTRIC POWER FOR THE MONTH OF NOVEMBER 1945

SOUTHERN ITALY

6515

AREA SERVED	Responsibility of	PERMISSIBLE 15 MINUTE PEAK DEMAND KW x 10^3			PERMISSIBLE	
		OCTOBER Allocation	NOVEMBER Bid	NOVEMBER Allocation	OCTOBER Allocation	NO
Apulia Co.	3 District	36.00	39.50		19.50	2
To UNES.	3 District	1.00	1.00		0.40	
Naples District	P.B.S.	37.00	40.50		18.50	2
Campania Co.						
(i) Frattamaggiore	P.B.S.	3.50	3.50		2.20	
(ii) Pomigliano	3 District	1.50	2.00		1.25	
(iii) Solofra-Torre-Cast.	3 District	19.00	22.00		10.50	1
(iv) Benevento	3 District	3.25	3.25		1.40	
(v) Caloro	3 District	1.00	1.25		0.60	
(vi) Santa Maria	P.B.S.	5.50	5.50		2.80	
Lucania Co.	3 District	4.00	4.00		1.50	
Railways - Naples Area	M.R.S.	1.50	3.50		1.10	
- Foggia Benevento	M.R.S.	8.00	8.00		3.00	
- Palermo-Torre.	M.R.S.	2.00	2.00		1.10	
TOTAL 150 KV AT SUBSTATIONS		123.25	136.00		63.85	73
Calabria 60 KV System						
(i) Calabria Co	ALCOM	8.50	8.50		2.00	2
(ii) Railways	M.R.S.	5.50	5.50		2.40	2
TOTAL 60 KV AT SUB STATIONS		14.00	14.00		4.40	4
TOTAL 150 KV & 60 KV		137.25	150.00		68.25	77
TOTAL AT PLANTS		155.00			80.00	

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

BIDS FOR ELECTRIC POWER FOR THE MONTH OF NOVEMBER 1945

SOUTHERN ITALY

6515

Responsibility of	PERMISSIBLE 15 MINUTE PEAK DEMAND KW x 10^3			PERMISSIBLE ENERGY KWH x 10^6		
	OCTOBER Allocation	NOVEMBER Bid	NOVEMBER Allocation	OCTOBER Allocation	NOVEMBER Bid	NOVEMBER Allocation
3 District	36.00	39.50		19.50	22.00	
3 District	1.00	1.00		0.40	0.40	
P.B.S.	37.00	40.50		18.50	24.10	
P.B.S.	3.50	3.50		2.20	2.20	
3 District	1.50	2.00		1.25	1.30	
3 District	19.00	22.00		10.50	11.30	
3 District	3.25	3.25		1.40	1.50	
3 District	1.00	1.25		0.60	0.70	
P.B.S.	5.50	5.50		2.80	2.80	
3 District	4.00	4.00		1.50	1.60	
M.R.S.	1.50	3.50		1.10	1.46	
M.R.S.	8.00	8.00		3.00	3.00	
M.R.S.	2.00	2.00		1.10	1.10	
	123.25	136.00		63.85	73.46	
ALCOM	8.50	8.50		2.00	2.00	
M.R.S.	5.50	5.50		2.40	2.40	
	14.00	14.00		4.40	4.40	
	137.25	150.00		68.25	77.86	
	155.00			80.00		

COPY NO: 64

ALLIED FORCE LOCAL RESOURCES SECTION
A.F.H.Q.

LRS/215B.

Postal Address :
AFLRS, ROME AREA
ALLIED COMMAND,
C. M. F.

TEL : 66275 ROME

25th August 1945

ALLIED FORCE LOCAL RESOURCES (I TALY) BOARD

ELECTRIC POWER COMMITTEE - MINUTES

82. The twenty-second meeting of the Electric Power Committee was held at 0930 hours on Saturday 25 AUG 1945 in the AFLRS (AFHQ) Conference Room, ROME.

PRESENT:

Chairman
Colonel THOMAS R. GIBSON AFLRS (AFHQ)
(acting in absence of Brig. B.D. EDWARDS, Engrs (B), AFHQ)

Representatives of:

D.W., AFHQ
DMR, ITALY
CG, PBS
HQ, No 3 District
CG, Rome Area Allied Command
HQ, ALSCM
Public Works & Utilities
Sub-Commission, HQ ALSCM

IN ATTENDANCE:

Acting Chief of Section (Br) AFLRS, AFHQ

6514

83. MINUTES OF LAST MEETING:

The minutes of the twenty-first meeting held on 21 July 1945 were approved.

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

ALLIED FORCE LOCAL RESOURCES (I[illegible] PLAN) BOARD

ELECTRIC POWER COMMITTEE - MINUTES

82. The twenty-second meeting of the Electric Power Committee was held at 0930 hours on Saturday 25 AUG 1945 in the AFLRS (AFHQ) Conference Room, ROME.

PRESENT:

Chairman

Colonel THOMAS R. GIBSON AFLRS (AFHQ)
(acting in absence of Brig. D.H. EDWARDS, Engrs (B), AFHQ)

Representatives of:

D.W., AFHQ
DGR, ITALY
CG, PBS
HQ, No 3 District
CG, Rome Area Allied Command
HQ, ALCOM
Public Works & Utilities
Sub-Commission, HQ ALCOM

IN ATTENDANCE:

Acting Chief of Section (Br) AFLRS, AFHQ

6514

83. MINUTES OF LAST MEETING:

The minutes of the twenty-first meeting held on 21 July 1945 were approved.

84. MINUTES OF BOARD MEETING:

The only matter which arose from the meeting of the Board held on 4 August 1945 is dealt with in minute 85 below.

85. HQ 3 DISTRICT ELECTRIC POWER MEETING:

In accordance with the instructions of the Board (minute 64(b) of the Board meeting held on 4 August 45 refers) a meeting was held at HQ 3 District on 10th August 1945 and the following recommendations made :-

(a) That the civil Industrial Installations in Southern Italy be reviewed by the Italian Government and Industry Sub-Commission HQ ALCOM with the view to disconnecting such installations they now consider non-essential in order that power may be made available to higher priority demands.

(b) That Military Installations be reviewed and a list prepared of those now de-requisitioned or at which no Military Contract now exists.

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HQ No 3 District representative reported that the list referred to in sub-para (b) above was in course of preparation and would be forwarded to HQ AIRCOM as soon as available.

86. ALLOCATION OF POWER - SEPTEMBER:

A report was received from HQ AIRCOM on the amount of power available in Central and Southern Italy. Demands from Base Sections, Districts, etc., were received and allocations were made as per Annexure I attached.

The combined demand of the Central Italy Grid and the Valdarno System has so far in August only reached a peak of 170,000 KW as compared with 196,200 KW, the peak authorised for August. The Committee considered that the difference was caused by authorized loads not yet having been connected and agreed to allocate 15,000 KW peak load to the Terni Ammonia Plant at Nera Montoro with the following provisions :-

(a) That the plant will be disconnected, wholly or partially as necessary, if the connecting of other loads, already authorized, causes the system to become overloaded.

(b) That the load will be reduced at the plant in the event that the system becomes overloaded during times of peak load or emergencies.

87. INTERCONNECTION OF CENTRAL WITH SOUTHERN ITALY:

The following report was received from HQ AIRCOM:-

"Present indications are that the 150,000 volt electric transmission line interconnecting Central and Southern Italy now under repair will be completed by the end of September in accordance with the following :-

Pescara III to Archi (the south end of the line, belonging to the Societa Meridionale di Elettricita) finished by 15 SEPT 1945.

Archi to Aquila (the north end of the line, belonging to the Societa Terni) finished by 30 SEPT 1945."

HQ AIRCOM reported that transportation to assist in the reconstruction of the above lines is now being made available.

Certain difficulties may arise in Southern Italy in the event of a frequency change arising from the interconnection especially in those areas which are at present on 42 cycles. HQ AIRCOM representative undertook to submit to HQ 3 District and AFLRS details of the area or areas in Southern Italy in which they proposed that the 50 cycles frequency should become

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were received and discussed.

The combined demand of the Central Italy Grid and the Valtellina System has so far in August only reached a peak of 170,000 KW as compared with 196,200 KW, the peak authorised for August. The Committee considered that the difference was caused by authorized loads not yet having been connected and agreed to allocate 15,000 KW peak load to the Terni Ammonia Plant at Nora Montoro with the following provisions :-

(a) That the plant will be disconnected, wholly or partially as necessary, if the connecting of other loads, already authorized, causes the system to become overloaded.

(b) That the load will be reduced at the plant in the event that the system becomes overloaded during times of peak load or emergencies.

87. INTERCONNECTION OF CENTRAL WITH SOUTHERN ITALY:

The following report was received from HQ ALCOM:-

"Present indications are that the 150,000 volt electric transmission line interconnecting Central and Southern Italy now under repair will be completed by the end of September in accordance with the following :-

Pescara III to Archi (the south end of the line, belonging to the Societa Meridionale di Elettricita) finished by 15 SEPT 1945.

Archi to Aquila (the north end of the line, belonging to the Societa Terni) finished by 30 SEPT 1945."

A1600

HQ ALCOM reported that transportation to assist in the reconstruction of the above lines is now being made available.

Certain difficulties may arise in Southern Italy in the event of a frequency change arising from the interconnection especially in those areas which are at present on 42 cycles. HQ ALCOM representative undertook to submit to HQ 3 District and AFLRS details of the area or areas in Southern Italy in which they proposed that the 50 cycles frequency should become effective consequent upon receipt of power from Central Italy.

88. FUEL OIL:

It was reported that the allocation of fuel oil to the Capuano Thermal Plant at Naples was being reduced by approximately 10% for the month of September. Any reduction of fuel oil allocation would result in a corresponding reduction of power output which could ill be suffered in Southern Italy at present due to the considerably reduced output of the river stations and the dangerously low water level in the Sila reservoir.

The Committee consequently recommended to the Board that consideration be given to the possibility of restoring the allocation of fuel oil to the Capuano Plant to its previous level.

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89. NEXT MEETING:

The next meeting of the Committee will be held at 0930 hours on Saturday 29 September 1945 in the AFLRS (AFHQ) Conference Room, ROME.

S.J.E. LOUIEN, Major, DAQMG,
Secretary,
A. F. L. R. (ITALIAN) BOARD.

SJEL/gs.

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26	F.A., AFHQ
27	CG, MTOUSA
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44	BPA, PBS (South)
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47	CE, 1 District
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49	CE, 2 District
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51	CE, 3 District
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57	SENALUSNO, ITALY
58	C.S., TARANTO
59	COMNOB, PALERMO
60	NOIC, TARANTO
61	Chief Commissioner, ALCOM
62	HQ, ALCOM
63	Vice-President, Economic Section
64/69	Economic Section
70/71	Industry Sub-Commission
72/86	Public Works & Utilities Sub-Commission
87	Chairman, Electric Power Committee
88/90	War Diary
91	File
92/120	Spares.

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ANNEXURE I.

CENTRAL ITALY (SEPTEMBER 1945)

AREA SERVED & RESPONSIBILITY OF	KW x 10^3 0600 hours	to	KWH x 10^6 2200 hours	KW x 10^3 2200 hours	to	KWH x 10^6 0600 hours
DISTRICT 3						
+Terni	19.00		7.30	17.00		3.20
Terni Carbide	-		-	10.00		2.00
Perugia & Foligno	5.00		2.00	4.40		.80
Spoleto	3.50		1.40	3.00		.60
Ancona & Adriatic Coast to North exclusive of FANO	6.60		2.50	4.10		.80
ØRimini & Adriatic Coast to South inclusive of FANO	2.60		1.00	2.60		.50
Arezzo &District	4.50		1.80	3.20		.60
Orvieto & District	2.00		.80	1.50		.30
Adriatic South to Pescara	1.50		.60	1.50		.30
Frosinone	3.00		1.20	1.50		.35
Rieti	1.50		.70	1.25		.30
Viterbo	1.50		.70	1.25		.30
Rome (District)	1.50		.70	1.00		.25
Acquila	1.50		.70	1.00		.25
P.B.S.						
Civitavecchia & Littoria	7.00		2.70	5.00		1.00
Florence	16.00		6.30	16.00		3.00
Leghorn	15.00		6.00	8.00		1.50
Lucca	8.00		3.10	5.00		1.00
Piombino	2.50		1.00	1.50		.35
Grosseto	4.00		1.50	2.00		.40
Lardarello	1.00		.35	1.00		.20
Pistoia	3.00		1.20	2.00		.40
Prato	7.00		2.70	4.00		.70
Siena	2.00		.80	6512		.35
R.A.A.C.						
Rome	80.00		31.70	45.00		9.00
M.R.S.						
Railways	10.00		4.00	10.00		2.00
TOTAL	209.20		82.95 30.50 113.45	154.30		30.50

\+ 15.00 kW x 10^3 peak load may be used by the NERA MONTORO PLANT subject to none of the above allocations being affected thereby.

Ø This increased allocation (over July 1945) is contingent on the voltage at ANCONA not being affected thereby.

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ANNEXURE I (cont'd)

SOUTHERN ITALY (SEPTEMBER 1945)

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
Apulia Co.	3 District	56.00	19.50
To UNRRA	3 District	5.50	1.10
NAPLES DISTRICT	P.B.D.	37.00	18.50
Campania Co.			
(i) Frattamaggiore	P.B.D.	3.50	2.20
(ii) Pomigliano	3 District	1.50	1.25
(iii) Salerno-Torre-Cast.	3 District	19.00	10.50
(iv) Benevento	3 District	3.25	1.40
(v) Colore	3 District	1.00	0.60
(vi) Santa Maria	P.B.D.	5.50	2.80
Lucania Co.	3 District	4.00	1.50
Railways, Naples Area	M.R.S.	4.50	1.10
Foggia-Benevento	M.R.S.	3.00	3.00
Salerno-Torre	M.R.S.	1.00	1.10
TOTAL 150 KV AT SUB STATIONS		125.75	64.55
Calabria 60 KV System			
(i) Calabria Co.	ALCO	8.50	2.00
(ii) Railways	M.R.S.	5.00	1.70
TOTAL 60 KV AT SUB STATIONS		13.50	3.70
TOTAL 150 KV & 60 KV		137.25	68.25
TOTAL AT PLANTS		155.00	80.00

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ALLIED FORCE LOCAL RESOURCES SECTION
AFHQ

Postal Address:
AFLRS (RAAC), APO 512.

Telephone: ROME 66063.

LRS/215A

23 July 1945

ALLIED FORCE LOCAL RESOURCES (ITALIAN) BOARD

ELECTRIC POWER COMMITTEE - MINUTES

C O R R E C T I O N

To Minute 78. Allocation of Power - August, add the following sentence:

The increased allocation (over July 1945) to Rimini and Adriatic Coast to South inclusive of Fano is contingent on the voltage not being effected at Ancona.

JOHN T. WHITTAKER, Major, INF,
Secretary,
A. F. L. R. (ITALIAN) BOARD.

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As per Minutes
Electric Power Committee
dated 21 July 1945.

6511

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AFHQ.

Postal Address:
AFLRS (RA.C), APO 512.

Telephone: ROME 66063

LRS/215A

21 July 1945

ALLIED FORCE LOCAL RESOURCES (ITALIAN) BOARD

ELECTRIC POWER COMMITTEE - MINUTES

76. The twenty-first meeting of the Electric Power Committee was held at 0930 hours on Saturday 21 July 1945, in the AFLRS (AFHQ) Conference Room, Rome.

PRESENT:

Chairman
Brig. B. B. EDWARDS, Engrs (B), AFHQ

Representatives of:

D.W., AFHQ
C.G., PBS
HQ, No. 1 District
HQ, No. 3 District
CG, ROME Area Allied Command
Director Public Works & Utilities Sub-Commission
HQ, ALCOM

In attendance:

Chief of Section (US), AFLRS, AFHQ
AQMG, AFLRS, AFHQ

77. MINUTES OF LAST MEETING.

The minutes of the twentieth meeting held on 23 June 1945 were approved.

6510

78. ALLOCATION OF POWER - AUGUST.

A report was received from HQ ALCOM on the amount of power available in Central & Southern Italy. Demands from Base Sections, Districts, etc., were received and allocations were made as per Appendix "A" attached. The increased demands for power in Southern Italy for the month of August could not be satisfied and the July allocation remained unchanged.

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

ALLIED FORCE LOCAL RESOURCES (ITALIAN) BOARD

ELECTRIC POWER COMMITTEE - MINUTES

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PRESENT:

Chairman

Brig. B. B. EDWARDS, Engrs (B), AFHQ

Representatives of:

D.W., AFHQ
C.G., PBS
HQ, No. 1 District
HQ, No. 3 District
CG, ROME Area Allied Command
Director Public Works & Utilities Sub-Commission
HQ, ALCOM

In Attendance:

Chief of Section (US), AFLRS, AFHQ
AQMG, AFLRS, AFHQ

77. MINUTES OF LAST MEETING.

The minutes of the twentieth meeting held on 23 June 1945 were approved.

6510

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A report was received from HQ ALCOM on the amount of power available in Central & Southern Italy. Demands from Base Sections, Districts, etc., were received and allocations were made as per Appendix "A" attached. The increased demands for power in Southern Italy for the month of August could not be satisfied and the July allocation remained unchanged.

79. AVAILABILITY OF ELECTRIC POWER - SOUTHERN ITALY.

HQ No. 3 District representative reported that the electric power system in Southern Italy was dangerously overloaded and that although feeder line cuts are being made wherever possible by the military, no reduction in the civilian load has yet been effected by the Italian Government.

The water in the Sela reservoir is now at such a level (220×10^6 KWH) that the Committee considers that at the present rate of consumption, it will empty at the end of October or early November. This bears out the Committee's recommendation made at its last meeting in the respect of the Crotone plant. Although autumnal rains will slightly assist the situation in so far as the river stations are concerned, the Sela reservoir is filled by melting snows and little replenishment of it can be expected until February/March 1946. The connection between Central & Southern Italy anticipated at the end of October 1945 will provide only 20,000 KW against the total demand of 137,000 KW. In view of the failure to date of the Italian Government or HQ ALCOM to effect any cuts of

civilian.....

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

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PRESENT:

Chairman
Brig. B. B. EDWARDS, Engrs (B), AFHQ

Representatives of:

D.W., AFHQ
C.G., PBS
HQ, No. 1 District
HQ, No. 3 District
CG, ROME Area Allied Command
Director Public Works & Utilities Sub-Commission
HQ, ALCOM

In attendance:

Chief of Section (US), AFLRS, AFHQ
AQMG, AFLRS, AFHQ

77. MINUTES OF LAST MEETING.

The minutes of the twentieth meeting held on 23 June 1945 were approved.

6510

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The water in the Sela reservoir is now at such a level (220×10^6 KWH) that the Committee considers that at the present rate of consumption, it will empty at the end of October or early November. This bears out the Committee's recommendation made at its last meeting in the respect of the Crotone plant. Although autumnal rains will slightly assist the situation in so far as the river stations are concerned, the Sela reservoir is filled by melting snows and little replenishment of it can be expected until February/March 1946. The connection between Central & Southern Italy anticipated at the end of October 1945 will provide only 20,000 KW against the total demand of 137,000 KW. In view of the failure to date of the Italian Government or HQ ALCOM to effect any cuts of

civilian.....

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civilian consumption, the Committee desired to go on record as having taken cognisance of the dangerous situation which will arise in Southern Italy in October 1945.

80. RECONSTRUCTION OF POWER LINES.

HQ Allied Commission reported that the interconnection of North Italy with Central Italy awaits the operation of the third 35,000 K.W. unit at Galleto (Terni). It is expected to operate at the end of July and the August allocations in Minute 78 above, are in anticipation of this.

The interconnection between Southern & Central Italy permitting the flow of 20,000 K.W. to the South, is not anticipated to be made until the end of October 1945. HQ ALCOM representative stated that all the necessary materials were available but that the limiting factor to speeding up the interconnection was the lack of adequate transport. The Committee recommended to the Board that if additional transport could be made available to ALCOM for this purpose, it would help to avoid the dangerous situation which will arise in Southern Italy in October 1945, referred to in Minute 79 above.

81. NEXT MEETING.

The next meeting of the Committee will be held at 0930 hours on Saturday 25 August 1945, in the AFLRS (AFHQ) Conference Room, ROME.

JOHN T. WHITTAKER, Major, INF,
Secretary,
A.F.L.R. (ITALIAN) BOARD.

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

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APPENDIX "A"

CENTRAL ITALY

AREA SERVED & RESPONSIBILITY OF	KW x 10^3 0600 hours	to	KWH x 10^6 2200 hours	KW x 10^3 2200 hours	to	KWH x 10^6 0600 hours
DISTRICT 1						
Terni	19.00		7.30	17.00		3.20
Terni Carbide	-		-	10.00		2.00
Perugia & Foligno	5.00		2.00	4.40		.80
Spoleto	3.50		1.40	3.00		.60
Ancona & Adriatic Coast to North exclusive of Fano	6.60		2.50	4.10		.80
Rimini & Adriatic Coast to South inclusive of Fano	2.60		1.00	2.60		.50
Arezzo & District	4.50		1.80	3.20		.60
Orvieto & District	2.00		.80	1.50		.30
Adriatic South to Pescara	1.50		.60	1.50		.30
DISTRICT 3						
Frosinone	3.00		1.20	1.50		.35
Rieti	1.50		.70	1.25		.30
Viterbo	1.50		.70	1.25		.30
Rome (District)	1.50		.70	1.00		.25
Acquila	1.50		.70	1.00		.25
P.B.S.						
Civitavecchia	5.50		2.00	5.00		1.00
Leghorn	10.00		4.00	5.00		1.00
Lucca	5.00		2.00	3.00		.60
Piombino	2.00		.70	1.00		.20
Grossoto	3.00		1.40	2.00		.40
Lardarello	1.00		.35	1.00		.20
Pistoia	3.00		1.20	2.00		.40
Prato	5.00		2.00	3.00		.60
Siena	2.00		.80	1.50		.30
FIFTH ARMY						
Florence	16.00		6.30	16.00	6509	3.00
R.A.A.C.						
Rome	80.00		31.70	45.00		9.00
M.R.S.						
Railways	10.00		4.00	10.00		2.00
TOTAL	196.20		77.85	147.80		29.25

29,217
109.1 P

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APPENDIX "A"

ALLOCATION OF ELECTRIC POWER - AUGUST 1945

SOUTHERN ITALY

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
Apulia Co.	3 District	36.00	19.50
To UNES	3 District	3.50	1.20
Naples District	P.B.S.	37.00	18.50
Campania Co.			
(i) Frattamaggiore	P.B.S.	3.50	2.20
(ii) Pomigliano	3 District	1.50	1.00
(iii) Salerno-Torre-Cast.	3 District	19.00	10.50
(iv) Benevento	3 District	3.25	1.40
(v) Colore	3 District	1.00	0.60
(vi) Santa Maria	P.B.S.	5.50	2.80
Lucania Co.	3 District	4.00	1.30
Railways, Naples Area	M.R.S.	1.50	1.10
Foggia Benevento	M.R.S.	8.00	3.00
Salerno Torre	M.R.S.	2.00	1.10
TOTAL 150 KV at Sub Stations		125.75	64.20
Calabria 60 KV System			
(i) Calabria Co.	ALCOM	8.50	2.00
(ii) Railways	M.R.S.	3.00	1.70
TOTAL 60 KV at Sub Stations		11.50	3.70
TOTAL 150 KV & 60 KV		137.25	67.90
TOTAL at Plants		155.00	78.00

6508

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18	G-4 (B), AFHQ (For DDMG)
19/20	G-5, AFHQ
21	Q(AE), AFHQ
22	Engineer Section, AFHQ
23	Engrs (B), AFHQ
24/25	Director of Engineer Production & Stores, AFHQ
26	QM, Coal Section, AFHQ
27	REME, AFHQ
28	Fiscal Director, AFHQ
29	FA, AFHQ
30	CG, MTOUSA
31	GPA, MTOUSA
32	CG, Fifth Army (Attn: G-4 Section)
33/34	DMR, Italy
35	Tn. Increment, C.M.F.
36/37	MAFSC/MTO
38/39	HQ, 214 Group, RAF.
40	FA, RAF
41/43	CE, PBS
44/45	BPA, PBS
46	BPA, PBS (South)
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49	CE, 1 District
50	HQ, 2 District
51	CE, 2 District
52	HQ, 3 District
53	CE, 3 District
54/58	CG, Rome Area Allied Command
59	Flag Officer, TARANTO & ADRIATIC
60	SENALUSNO, Italy
61	CO, Taranto
62	COMNOB, Palermo
63	Chief Commissioner, ALCOM
64	HQ, ALCOM
65	Vice President, Economic Section
66/71	Economic Section
72/73	Industry Sub-Commission
74/89	Public Works & Utilities Sub-Commission
90	Chairman, Electric Power Committee
92	Chairman, Electrical Reconstruction Committee
93/125	Spares

6507

ALLIED FORCE LOCAL RESOURCES SECTION
A.F.H.Q.

LRS/215B/189.

Postal Address :
AFLRS, ROME AREA
ALLIED COMMAND,
C. M. F.

TEL : 66275 ROME

9th August 1945

SUBJECT : Electricity Control.

TO : CG, Fifth Army.
CG, MTOUSA.
GOC, No 1 District.
GOC, No 2 District.
GOC, No 3 District.
CG, Rome Area Allied Command.

Reference this office letter LRS/215B dated 21st July 1945.

1. Due to the third 35,000 KW unit at GALLETO Generating Station entering into service on the evening of 7 August 45 and satisfactory operation having since been experienced, the allocation of additional power for the month of August 45 becomes effective with the exception of the allocation to Rome Area Allied Command.

2. It is not anticipated that the interconnection from the North to Central Italy can be effected prior to the 20th August and until this date the increased allotment to Rome Area Allied Command will be a 15 minute peak of 76,000 KW. The additional 4,000 KWs will be made available as soon as possible after the 20th August 45.

3. The change of frequency from 45 to 50 cycles will be effected as follows in Central Italy :-

9th August frequency will increase from 45 to 47 cycles

17th August frequency will increase from 47 to 50 cycles

6506

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

GOC, No 1 District.
GOC, No 2 District.
GOC, No 3 District.
CG, Rome Area Allied Command.

Reference this office letter LRS/215B dated 21st July 1945.

1. Due to the third 35,000 KW unit at GALLETO Generating Station entering into service on the evening of 7 August 45 and satisfactory operation having since been experienced, the allocation of additional power for the month of August 45 becomes effective with the exception of the allocation to Rome Area Allied Command.

2. It is not anticipated that the interconnection from the North to Central Italy can be effected prior to the 20th August and until this date the increased allotment to Rome Area Allied Command will be a 15 minute peak of 76,000 KW. The additional 4,000 KWs will be made available as soon as possible after the 20th August 45.

3. The change of frequency from 45 to 50 cycles will be effected as follows in Central Italy :-

9th August frequency will increase from 45 to 47 cycles

17th August frequency will increase from 47 to 50 cycles

6506

THOMAS R. GIBBON, Colonel, AUS,
Chief of Section (US),
A.F.L.R.S.

G.B.S. SHELDON, Colonel,
Chief of Section (Br),
A.F.L.R.S.

SJBL/gs.

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PBS	(5)	C/S, MTO	(1)
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AFHQ

Postal Address:
AFLRS (RAAC), APO 512.

Telephone: ROME 66063.

23 July 1945

LRS/215A

ALLIED FORCE LOCAL RESOURCES (ITALIAN) BOARD

ELECTRIC POWER COMMITTEE - MINUTES

C O R R E C T I O N

To Minute 78. Allocation of Power - August, add the following sentence:

The increased allocation (over July 1945) to Rimini and Adriatic Coast to South inclusive of Fano is contingent on the voltage not being effected at Ancona.

JOHN T. WHITTAKER, Major, INF,
Secretary,
A. F. L. R. (ITALIAN) BOARD.

DISTRIBUTION
As per Minutes
Electric Power Committee
dated 21 July 1945.

6

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Telephone: ROME 66063

21 July 1945

LRS/215A

ALLIED FORCE LOCAL RESOURCES (ITALIAN) BOARD

ELECTRIC POWER COMMITTEE - MINUTES

76. The twenty-first meeting of the Electric Power Committee was held at 0930 hours on Saturday 21 July 1945, in the AFLRS (AFHQ) Conference Room, Rome.

PRESENT:

Chairman
Brig. B. B. EDWARDS, Engrs (B), AFHQ

Representatives of:

D.W., AFHQ
C.G., PBS
HQ, No. 1 District
HQ, No. 3 District
CG, ROME Area Allied Command
Director Public Works & Utilities Sub-Commission
HQ, ALCOM

In Attendance:

Chief of Section (US), AFLRS, AFHQ
AQMG, AFLRS, AFHQ

77. MINUTES OF LAST MEETING.

The minutes of the twentieth meeting held on 23 June 1945 were approved.

6504

78. ALLOCATION OF POWER - AUGUST.

A report was received from HQ ALCOM on the amount of power available in Central & Southern Italy. Demands from Base Sections, Districts, etc., were received and allocations were made as per Appendix "A" attached. The increased demands for power in Southern Italy for the month of August could not be satis-

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

0930 hours on Saturday 21 July 1945.

PRESENT: Chairman
Brig. B. B. EDWARDS, Engrs (B), AFHQ

Representatives of:

D.W., AFHQ
C.G., PBS
HQ, No. 1 District
HQ, No. 3 District
CG, ROME Area Allied Command
Director Public Works & Utilities Sub-Commission
HQ, ALCOM

In Attendance: Chief of Section (US), AFLRS, AFHQ
AFLRS, AFHQ
ACMG.

77. MINUTES OF LAST MEETING.

The minutes of the twentieth meeting held on 23 June 1945 were approved.

6504

78. ALLOCATION OF POWER - AUGUST.

A report was received from HQ ALCOM on the amount of power available in Central & Southern Italy. Demands from Base Sections, Districts, etc., were received and allocations were made as per Appendix "A" attached. The increased demands for power in Southern Italy for the month of August could not be satisfied and the July allocation remained unchanged.

79. AVAILABILITY OF ELECTRIC POWER - SOUTHERN ITALY.

HQ No. 3 District representative reported that the electric power system in Southern Italy was dangerously overloaded and that although feeder line cuts are being made wherever possible by the military, no reduction in the civilian load has yet been effected by the Italian Government.

The water in the Sela reservoir is now at such a level (220×10^6 KWH) that the Committee considers that at the present rate of consumption, it will empty at the end of October or early November. This bears out the Committee's recommendation made at its last meeting in the respect of the Crotone plant. Although autumnal rains will slightly assist the situation in so far as the river stations are concerned, the Sela reservoir is filled by melting snows and little replenishment of it can be expected until February/March 1946. The connection between Central & Southern Italy anticipated at the end of October 1945 will provide only 20,000 KW against the total demand of 137,000 KW. In view of the failure to date of the Italian Government or HQ ALCOM to effect any cuts of

civilian.....

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civilian consumption, the Committee desired to go on record as having taken cognisance of the dangerous situation which will arise in Southern Italy in October 1945.

80. RECONSTRUCTION OF POWER LINES.

HQ Allied Commission reported that the interconnection of North Italy with Central Italy awaits the operation of the third 35,000 K.W. unit at Galleto (Terni). It is expected to operate at the end of July and the August allocations in Minute 78 above, are in anticipation of this.

The interconnection between Southern & Central Italy permitting the flow of 20,000 K.W. to the South, is not anticipated to be made until the end of October 1945. HQ ALCOM representative stated that all the necessary materials were available but that the limiting factor to speeding up the interconnection was the lack of adequate transport. The Committee recommended to the Board that if additional transport could be made available to ALCOM for this purpose, it would help to avoid the dangerous situation which will arise in Southern Italy in October 1945, referred to in Minute 79 above.

81. NEXT MEETING.

The next meeting of the Committee will be held at 0930 hours on Saturday 25 August 1945, in the AFLRS (AFHQ) Conference Room, ROME.

JOHN T. WHITTAKER, Major, INF,
Secretary,
A.F.L.R. (ITALIAN) BOARD.

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APPENDIX "A"

CENTRAL ITALY

AREA SERVED & RESPONSIBILITY OF	KW x 10^3 0600 hours	to	KWH x 10^6 2200 hours	KW x 10^3 2200 hours	to	KWH x 10^6 0600 hours
DISTRICT 1						
Terni	19.00		7.30	17.00		3.20
Terni Carbide	-		-	10.00		2.00
Perugia & Foligno	5.00		2.00	4.40		.80
Spoleto	3.50		1.40	3.00		.60
Ancona & Adriatic Coast to North exclusive of Fano	6.60		2.50	4.10		.80
Rimini & Adriatic Coast to South inclusive of Fano	2.60		1.00	2.60		.50
Arezzo & District	4.50		1.80	3.20		.60
Orvieto & District	2.00		.80	1.50		.30
Adriatic South to Pescara	1.50		.60	1.50		.30
DISTRICT 3						
Frosinone	3.00		1.20	1.50		.35
Rieti	1.50		.70	1.25		.30
Viterbo	1.50		.70	1.25		.30
Rome (District)	1.50		.70	1.00		.25
Acquila	1.50		.70	1.00		.25
P.B.S.						
Civitavocchia	5.50		2.00	5.00		1.00
Leghorn	10.00		4.00	5.00		1.00
Lucca	5.00		2.00	3.00		.60
Piombino	2.00		.70	1.00		.20
Grosseto	3.00		1.40	2.00		.40
Lardarello	1.00		.35	1.00		.20
Pistoia	3.00		1.20	2.00		.40
Prato	5.00		2.00	3.00		.60
Siena	2.00		.80	1.50		.30
FIFTH ARMY						
Florence	16.00		6.30	16.00		3.00
R.A.A.C.						
Rome	80.00		31.70	45.00		9.00
M.R.S.						
Railways	10.00		4.00	10.00		2.00
TOTAL	196.20		77.85	147.80		29.25

6503

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APPENDIX "A"

ALLOCATION OF ELECTRIC POWER - AUGUST 1945

SOUTHERN ITALY

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
Apulia Co.	3 District	36.00	19.50
To UNES	3 District	3.50	1.20
Naples District	P.B.S.	37.00	18.50
Campania Co.			
(i) Frattamaggiore	P.B.S.	3.50	2.20
(ii) Pomigliano	3 District	1.50	1.00
(iii) Salerno-Torre-Cast.	3 District	19.00	10.50
(iv) Benevento	3 District	3.25	1.40
(v) Colore	3 District	1.00	0.60
(vi) Santa Maria	P.B.S.	5.50	2.80
Lucania Co.	3 District	4.00	1.30
Railways, Naples Area	M.R.S.	1.50	1.10
Foggia Benevento	M.R.S.	8.00	3.00
Salerno Torre	M.R.S.	2.00	1.10
TOTAL 150 KV at Sub Stations		125.75	64.20
Calabria 60 KV System	ALCOM	8.50	2.00
(i) Calabria Co.	M.R.S.	3.00	1.70
(ii) Railways		11.50	3.70
TOTAL 60 KV at Sub Stations		137.25	67.90
TOTAL 150 KV & 60 KV		155.00	78.00
TOTAL at Plants			

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18	G-4 (B), AFHQ (For DQMG)
19/20	G-5, AFHQ
21	Q(AE), AFHQ
22	Engineer Section, AFHQ
23	Engrs (B), AFHQ
24/25	Director of Engineer Production & Stores, AFHQ
26	QM, Coal Section, AFHQ
27	REME, AFHQ
28	Fiscal Director, AFHQ
29	FA, AFHQ
30	CG, MTOUSA
31	GPA, MTOUSA
32	CG, Fifth Army (Attn: G-4 Section)
33/34	DMR, Italy
35	Tn. Increment, C.M.F.
36/37	RAFSC/MTO
38/39	HQ, 214 Group, RAF.
40	FA, RAF
41/43	CE, PBS
44/45	BPA, PBS
46	BPA, PBS (South)
47/48	HQ, 1 District
49	CE, 1 District
50	HQ, 2 District
51	CE, 2 District
52	HQ, 3 District
53	CE, 3 District
54/58	CG, Rome Area Allied Command
59	Flag Officer, TARANTO & ADRIATIC
60	SENALUSNO, Italy
61	CS, Taranto
62	COMNOB, Palermo
63	Chief Commissioner, ALCOM
64	HQ, ALCOM
65	Vice President, Economic Section
66/71	Economic Section
72/73	Industry Sub-Commission
74/89	Public Works & Utilities Sub-Commission
90	Chairman, Electric Power Committee
92	Chairman, Electrical Reconstruction Committee
93/125	Spares

6501

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

Tel. 489081
Ext. 317

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

VSR/ec

Reference : 158/PWU

21 July 1945

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

To : SECRETARY ELECTRIC POWER COMMITTEE AFLR(I) B

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

			Central Italy	Southern Italy
kW	x 10^3	=	204.0	137.00
kWh	x 10^6	=	113.0	68.00

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

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

For the Chief Commissioner,

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

cc : file 051

6500

COPY NO: 76

ALLIED FORCE LOCAL RESOURCES SECTION
A.F.H.Q.

Postal Address:
AFLRS Rome Area Allied Command
C. M. F.

Telephone: ROME 66275

LRS/215A

23 June 45.

ALLIED FORCE LOCAL RESOURCES (ITALIAN) BOARD

ELECTRIC POWER COMMITTEE - MINUTES

68. The twentieth meeting of the Electric Power Committee was held at 0930 hrs on Saturday 23 June 45, in the AFLRS (AFHQ) Conference Room, ROME.

PRESENT:

Chairman

Colonel W. B. S. SHELDON. AFLRS (AFHQ)
(acting in absence of Brig. B. B. EDWARDS, Engrs (B) AFHQ)

Representatives of:

D.W., AFHQ
DMR, ITALY
CG, PBS
HQ No 1 District
HQ No 2 District
HQ No 3 District
CG, ROME Area Allied Command
HQ ALCOM
Public Works & Utilities Sub-Commission HQ ALCOM.

In Attendance:

Chief of Section (US) AFLRS AFHQ.

69. MINUTES OF LAST MEETING

The minutes of the nineteenth meeting held on 29 May 1945 were approved.

70. MINUTES OF BOARD MEETING

6499

No matters arose for discussion from the meeting of the Board held on 2 June 1945.

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ALLIED FORCE LOCAL RESOURCES (ITALIAN) BOARD

ELECTRIC POWER COMMITTEE - MINUTES

68. The twentieth meeting of the Electric Power Committee was held at 0930 hrs on Saturday 23 June 45, in the AFLRS (AFHQ) Conference Room, RCHE.

PRESENT:

Chairman

Colonel W. B. S. SHELDON. AFLRS (AFHQ)
(acting in absence of Brig. B. B. EDWARDS, Engrs (B) AFHQ)

Representatives of:

D.W., AFHQ
DMR, ITALY
CG, PBS
HQ No 1 District
HQ No 2 District
HQ No 3 District
CG, RCHE Area Allied Command
HQ ALCOM
Public Works & Utilities Sub-Commission HQ ALCOM.

In Attendance:

Chief of Section (US) AFLRS AFHQ.

69. MINUTES OF LAST MEETING

The minutes of the nineteenth meeting held on 29 May 1945 were approved.

6499

70. MINUTES OF BOARD MEETING

No matters arose for discussion from the meeting of the Board held on 2 June 1945.

71. AVAILABILITY OF POWER - JULY

Reports were received from HQ ALCOM on the amount of power available in Southern & Central ITALY for the month of July, as follows:-

Southern ITALY

The availability of power in Southern ITALY during July is reduced as shown below:-

	JUNE Availability	JULY Availability
KW x 10^3	170.00	155.00
KWH x 10^6	87.00	76.00

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This reduction is caused by:-

(a) Breakdown of generating plant at SILA.
(b) Abnormally dry spring season which is now being felt on the Rivers & Reservoirs in Southern ITALY.

The availability reported for July by Public Works & Utilities Sub-Commission HQ AFCOM was the maximum considered possible and was such as would leave the SILA Reservoir in a dangerously low position at the end of December 1945.

Central ITALY

There is no increased availability of power for the first part of July. It is however hoped that about the 20th July the following additional power will be made available:-

61,000 KW peak load.
35,000,000 KWH

This increased availability will result from:-

(a) Operation of the 120 KV transmission line between LICCHIO and PIAN DELLA ROCCA, supplying 40,000 KW from the North.
(b) Operation of the third 35,000 KW machine at CALLETO (TERNI).

Upon completion of the 120 KV line from the north the frequency of the Central ITALY Grid System will be increased from 45 to 50 cycles and the LEGHORN Grid will be absorbed into the Central Italy Grid.

72. ALLOCATION OF POWER - JULY - SOUTHERN ITALY

In view of the reduced availability of power both PES and 3 District submitted reduced bids for July. Their representatives stated that these reductions were the maximum possible without cutting off military installations or disconnecting civilian industrial concerns.

The total demands exceeded the estimated availability by 12,000 KW and 6,000,000 KWH.

In discussion on the cut which must necessarily be enforced the Committee agreed:

a) that the dispersal of military installations was such that no further feeder lines could be disconnected without depriving such installations of power.

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Central ITALY

There is no increased availability of power for the first part of July. It is however hoped that about the 20th July the following additional power will be made available:-

61,000 KW peak load.
35,000,000 KWH

This increased availability will result from:-

(a) Operation of the 120 KV transmission line between LIGONCHIO and PIAN DELLA ROCCA, supplying 40,000 KW from the North.
(b) Operation of the third 35,000 KW machine at GALLETO (TERNI).

Upon completion of the 120 KV line from the north the frequency of the Central ITALY Grid System will be increased from 45 to 50 cycles and the LEGHORN Grid will be absorbed into the Central Italy Grid.

72. ALLOCATION OF POWER - JULY - SOUTHERN ITALY

In view of the reduced availability of power both PBS and 3 District submitted reduced bids for July. Their representatives stated that these reductions were the maximum possible without cutting off military installations or disconnecting civilian industrial concerns.

The total demands exceeded the estimated availability by 12,000 KW and 6,000,000 KWH.

In discussion on the cut which must necessarily be enforced the Committee agreed:

a) that the dispersal of military installations was such that no further feeder lines could be disconnected without depriving such installations of power.
b) That the cut would have to be made on civilian loads.

HQ ALCOM was unable to suggest any civilian firms that could be disconnected and the Committee recommended that the allocation (12,000 KW and 5,500,000 KWH) to the CROTONE fertiliser plant should be discontinued. HQ ALCOM representative strongly opposed this recommendation on the grounds that the fertiliser requirement in ITALY was of vital importance and was tantamount to a military commitment. HQ ALCOM representative further requested that the above recommendation should be submitted to the Board without delay for a decision.

HQ ALCOM reported that the estimated completion date of the TERNI-PESCARA 150 KV transmission line for the supply of power from Northern & Central to Southern ITALY was November 1945. As a sufficient supply of labour necessary for the work and as many steel towers as were needed could be made available by HQ ALCOM the Committee recommended to the Board that, if possible, military assistance with transport and mine clearing be given to advance the completion date.

73. ALLOCATION OF POWER - JULY - CENTRAL ITALY

It was agreed that no changes should be made for the first part of July to the June allocation of electric power. (Appendix 'B').

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Allocations were agreed for the increased availability anticipated towards the end of July (Appendix 'C') and AFLRS AFHQ will notify all concerned by wire as soon as this power is available.

74. ALLOCATION OF POWER - JULY - LEGHORN GRID

Revised allocations (Appendix 'D') were agreed for the LEGHORN Grid.

75. NEXT MEETING

The next meeting of the Committee will be held at 0930 hrs on Saturday 21 JULY 45 in the AFLRS (AFHQ) Conference Room, ROME.

SJBL/rgf

S. J. B. LOUDEN, Major, RATNG,
Secretary,
A.F.L.R. (ITALIAN) BOARD.

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22	Engineer Section, AFHQ
23	Engrs (B), AFHQ
24/25	Director of Engr.Prodn. & Stores, AFHQ
26	Q, Coal Section, AFHQ
27	REME, AFHQ
28	Fiscal Director, AFHQ
29	TA, AFHQ
30	CG, MTOUSA
31	GPA, MTOUSA
32	CG, Fifth Army (Attn: G-4 Rear)
33/34	D.M.R. ITALY
35	Tn. Increment, CMF
36/37	AAFSO/MTO
38/39	HQ 214 Gp. RAF
40	TA, RAF
41/43	CE, PBS
44/45	BPA, PBS
46	BPA, PBS (South)
47/48	HQ 1 District
49	CE, 1 District.
50	HQ, 2 District
51	CE, 2 District
52	HQ, 3 District
53	CE, 3 District
54/58	CG, Rome Area Allied Command
59	Flag Officer, TARANTO & Adriatic
60	SEMALUSNO, Italy
61	CS, TARANTO
62	COMNOB, Palermo
63	Chief Commissioner, ALCOM
64	HQ ALCOM
65	Vice-President, Economic Section HQ ALCOM
66/71	Economic Section HQ ALCOM

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21	? (AE), AFHQ
22	Engineer Section, AFHQ
23	Engrs (E), AFHQ
24/25	Director of Engr.Prodn. & Stores, AFHQ
26	QM, Coal Section, AFHQ
27	REME, AFHQ
28	Fiscal Director, AFHQ
29	FA, AFHQ
30	CG, MTOUSA
31	GPA, MTOUSA
32	CG, Fifth Army (Attn: G-4 Rear)
33/34	D.M.R. ITALY
35	Tn. Increment, CMF
36/37	AAFSC/MTO
38/39	HQ 214 Gp. RAF
40	FA, RAF
41/43	CE, PBS
44/45	BPA, PBS
46	BPA, PBS (South)
47/48	HQ 1 District
49	CE, 1 District.
50	HQ, 2 District
51	CE, 2 District
52	HQ, 3 District
53	CE, 3 District
54/58	CG, Rome Area Allied Command
59	Flag Officer, TARANTO & Adriatic
60	SEMALUSNO, Italy
61	CS, TARANTO
62	COMNOB, Palermo
63	Chief Commissioner, ALCOM
64	HQ ALCOM
65	Vice-President, Economic Section HQ ALCOM
66/71	Economic Section HQ ALCOM
72/73	Industry Sub-Commission HQ ALCOM
74/89	Public Works & Utilities Sub-Commission HQ ALCOM
90	Chairman, Electric Power Committee
91	Chairman, Electrical Reconstruction Committee
92	File
93/130	Spares

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APPENDIX "A"

ALLOCATION OF ELECTRIC POWER - JULY 1945

SOUTHERN ITALY

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
Apulia Co.	3 District	36.00	19.50
To UNES	3 District	3.50	1.20
Naples District	P.B.S.	37.00	18.50
Campania Co.			
(i) Frattemaggiore	P.B.S.	3.50	2.20
(ii) Pomigliano	3 District	1.50	1.00
(iii) Salerno-Torre-Cast.	3 District	19.00	10.50
(iv) Benevento	3 District	3.25	1.40
(v) Colore	3 District	1.00	0.60
(vi) Santa Maria	P.B.S.	5.50	2.80
Lucania Co.	3 District	4.00	1.30
Railways, Naples Area	M.R.S.	1.50	1.10
Foggia Benevento	M.R.S.	8.00	3.00
Salerno Torre	M.R.S.	2.00	1.10
TOTAL 150 KV at Sub Stations		125.75	64.20
Calabria 60 KV System			
(i) Calabria Co.	ALCOM	8.50	2.00
(ii) Railways	M.R.S.	3.00	1.70
TOTAL 60 KV at Sub Stations		11.50	3.70
TOTAL 150 KV & 60 KV		137.25	67.90
TOTAL at Plants		155.00	78.00

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APPENDIX "B"

CENTRAL ITALY - GRID

AREA SERVED & RESPONSIBILITY OF	KW x 10^3 0600 hours	to	KWH x 10^6 2200 hours	KW x 10^3 2200 hours	to	KWH x 10^6 0600 hours
DISTRICT 1						
Terni	19.00		7.30	17.00		3.20
Terni Carbide	-		-	10.00		2.00
Perugia & Foligno	4.60		1.90	4.40		.80
Spoleto	3.00		1.20	3.00		.60
Ancona & Adriatic Coast to N. exclusive of Fano	6.60		2.50	4.10		.80
Rimini & Adriatic Coast to S. inclusive of Fano	1.00		0.40	0.50		.10
Arezzo & District	4.00		1.60	3.20		.60
Orvieto & District	2.00		0.80	1.50		.30
Adriatic South to Pescara	1.00		0.40	1.50		.30
DISTRICT 3						
Frosinone	2.375		1.00	1.020		.20
Rieti	1.320		.50	1.150		.20
Viterbo	1.285		.50	1.010		.20
Rome	1.060		.40	.820		.20
Aquila	0.960		.40	1.000		.20
P.B.S.						
Civitavecchia	5.00		2.00	5.50		1.00
FIFTH ARMY						
Florence	16.00		6.30	16.00		3.00
R.A.A.C.						
Rome	52.00		20.30	35.00		6.70
M.R.S.						
Railways	10.00		4.00	10.00		2.00
TOTAL	131.20		51.50	116.70		22.40

6496

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

APPENDIX "C"

CENTRAL ITALY GRID (Including Leghorn Grid)

2nd Allocation to be operative on receipt of notification from AFLRS, AFHQ

AREA SERVED & RESPONSIBILITY OF	0600 hours to 2200 hours KW x 10^{-3}	0600 hours to 2200 hours KWH x 10^{6}	2200 hours to 0600 hours KW x 10^{3}	2200 hours to 0600 hours KWH x 10^{6}
DISTRICT 1				
Terni	19.00	7.30	17.00	3.20
Terni Carbide	-	-	10.00	2.00
Perugia & Foligno	5.00	2.00	4.40	.80
Spoleto	3.50	1.40	3.00	.60
Ancona & Adriatic Coast to North exclusive of Fano	6.60	2.50	4.10	.80
Rimini & Adriatic Coast to South inclusive of Fano	2.00	0.80	2.00	.40
Arezzo & District	4.50	1.80	3.20	.60
Orvieto & District	2.00	0180	1.50	.30
Adriatic South to Pescara	1.50	0.60	1.50	.30
DISTRICT 3				
Frosinone	3.00	1.20	1.50	.35
Rieti	1.50	0.70	1.25	0.30
Viterbo	1.50	0.70	1.25	0.30
Rome	1.50	0.70	1.00	0.22
Aequila	1.50	0.70	1.00	0.23
FIFTH ARMY				
Florence	16.00	6.30	16.00	3.00
R.A.A.C.				
Rome	80.00	31.70	45.00	9.00
M.R.S.				
Railways	10.00	2.00	10.00	2.00
P.B.S.				
Civitavecchia - Littoria	5.50	2.00	5.00	1.00
Leghorn	10.00	4.00	5.00	1.00
Lucca	5.00	2.00	3.00	0.60
Piombino	2.00	0.70	1.00	0.20
Grosseto	3.00	1.40	2.00	0.40
Larderello	1.00	0.35	1.00	0.20
Pistoia	3.00	1.20	2.00	0.40
Prato	5.00	2.00	3.00	0.60
Siena	2.00	.80	1.50	0.30
TOTAL	195.60	75.65	147.20	29.10

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29.1
104.75

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APPENDIX "D"

CENTRAL ITALY - LEGHORN GRID

AREA SERVED & RESPONSIBILITY OF	0600 hours to 2200 hours KW x 10^3	0600 hours to 2200 hours KWH x 10^6	2200 hours to 0600 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6
P. B. S.				
Leghorn Area	10.00	4.00	5.00	1.00
Lucca Area	5.00	2.00	3.00	0.60
Piombino	2.00	0.70	1.00	0.20
Grosseto	3.00	1.40	2.00	0.40
Lardarello	1.00	0.35	1.00	0.20
Pistoia	3.00	1.20	2.00	0.40
Prato	5.00	2.00	3.00	0.60
Siena	2.00	.80	1.50	0.30
TOTAL	31.00	12.45	18.50	3.70

196.20
162.20
34.00

6494

18.60
131.20
31
12.20

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

COPY

HEADQUARTERS ALLIED COMMISSION
APO 794
INDUSTRY SUB-COMMISSION

WBR/ci

27 May 1945

Tel.447

Ref. AC/5628/IND.

SUBJECT: Review of Position of Crotone Ammonia Plant of Montecatini.

TO : Chairman, Electric Power Committee
A.F.L.R.B.

1. Seven plants are known to exist in all of Italy capable of producing fixed nitrogen (N) with hydrogen from electrolytic processes not dependent on coal or coke, These are:

Plant	Location	Known Annual Capacity in tons of N
1) Montecatini	Crotone	6200 tons
2) Terni Co.	Nera Montoro	7000 "
3) Montecatini	Bolzano (Sinigo)	(Unknown - Prewar 24,000)
4) Montecatini	Novara	6000 tons
5) Montecatini	Belluno	1200 "
6) Brambilla	Aosta	(Unknown - Estimated 4,000)
7) Sarda Elettrica	Sardegna	(Has no power, cap. 5,000 tons)

Total known capacity 20,400 tons,

2. Thus of the total known annual capacity, 7,200 tons lie north of the Po, 7,000 in Central Italy and 6,000 in the South.
The usage of N in fertilizer (according to Dr. Giannini of the Federazione Consorzio Agrario, Rome) is as follows: 6493

Area	Annual usage, Tons/N
Sicily	1,300
Calabria)	500
Lucania)	
Apulia	1,000

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Area	Annual Usage, Tons/N
Campania	2,300
Lazio - Umbria) Abruzzi - Mar-) che - Molise)	2,700
Northern Italy) and Tuscany)	11,000
Total Usage	16,000

3. Thus, of the total known needs, 7,800 tons are required south of the line running, roughly, Grosseto - Rimini. Of this 7,800 tons, about half are used North of the Naples - Foggia line.

4. According to the Consorzio Agrario source, the greater proportion of the N fertilizers are used during the months Dec.-March.

5. The Terni Company at Nera Montoro can produce at the rate of 7,000 tons of fixed N per year with an allocation of 20,000 KW. This company has transformer and auxiliary equipment, at present, for only 8,000 KW. Public Works & Utilities Sub-Commission is investigating the possibility of providing the added facilities needed and will report as soon as possible. Terni has at present an allocation of 4,000 KW for ammonia production.

6. The problems of transportation appear to be about equal for Terni and Crotone in the matter of supplying the combined needs of Central and Southern Italy from either plant operating by itself. Crotone has a theoretical advantage of lying on a port, but to date shipments of raw materials to, and finished fertilizers from this point have been largely by rail. The nitrogen, as shipped, is in the form of ammonium sulphate, weighing about five times as much as the contained nitrogen.

7. Crotone produces 0,5 tons of N per year for each KW. of demand whereas Terni's comparable figure is 0.35 tons. The Terni Company's low figure may be influenced by the desire of the company to obtain coal to operate the more profitable water-gas hydrogen process.

8. If all of the data on production and consumption are correct (all being from Italian sources and not amenable to checks for accuracy by this Sub-Commission) no argument could be presented, by this Sub-Commission, to divert military load to

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keep Crotone going after 1 July- if Termi is allowed to run.

For the Chief Commissioner:

W. J. MACKREY
Lt.Colonel,
Acting Director,
Industry Sub-Commission.

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

6491

Notes re Allocation of Power
Southern Dist.

1. Coppermine Steam Station will at first
Exist as normal Diesel
Station (a) To give a margin of
Spare Capacity, (b) To conserve oil
Area 2a. 25 gl imported.
1 Ton oil = 1650 KW Hr

2 Trescairn and Grangers can shown
together as The Lost feed to the
60 K.V. System.

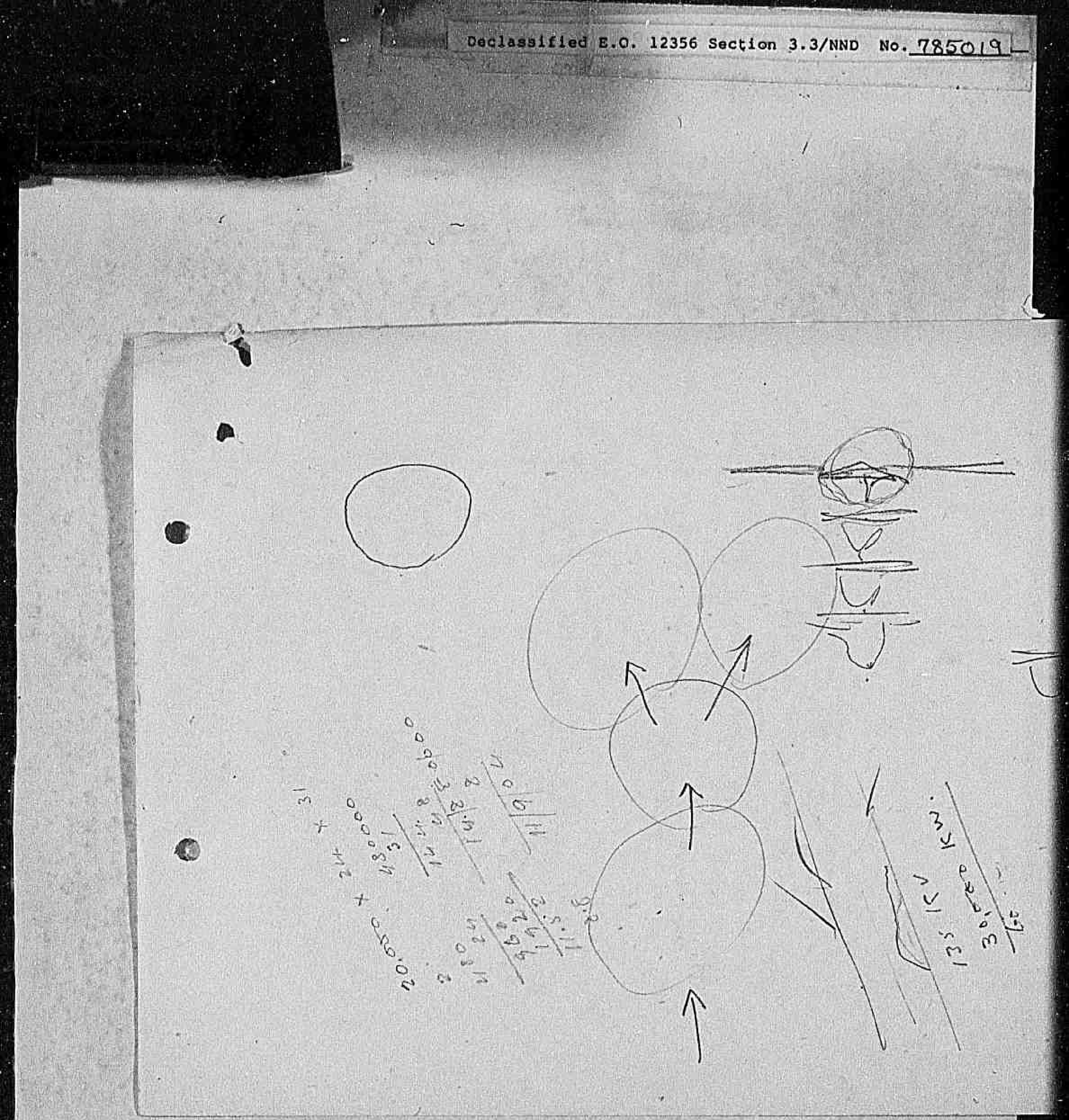
3 Crofone had allocation of
NORMAL KW
5.8 April 2.0 1.3
5.8 May
6.5 June.
This will have need of their
allocation by 24th June.

4 Sila 2nd & 3rd Stage 1. 10m Hrs/Cub M.
" 1. 2. 3. " 2. 10m Hrs/Cub M.

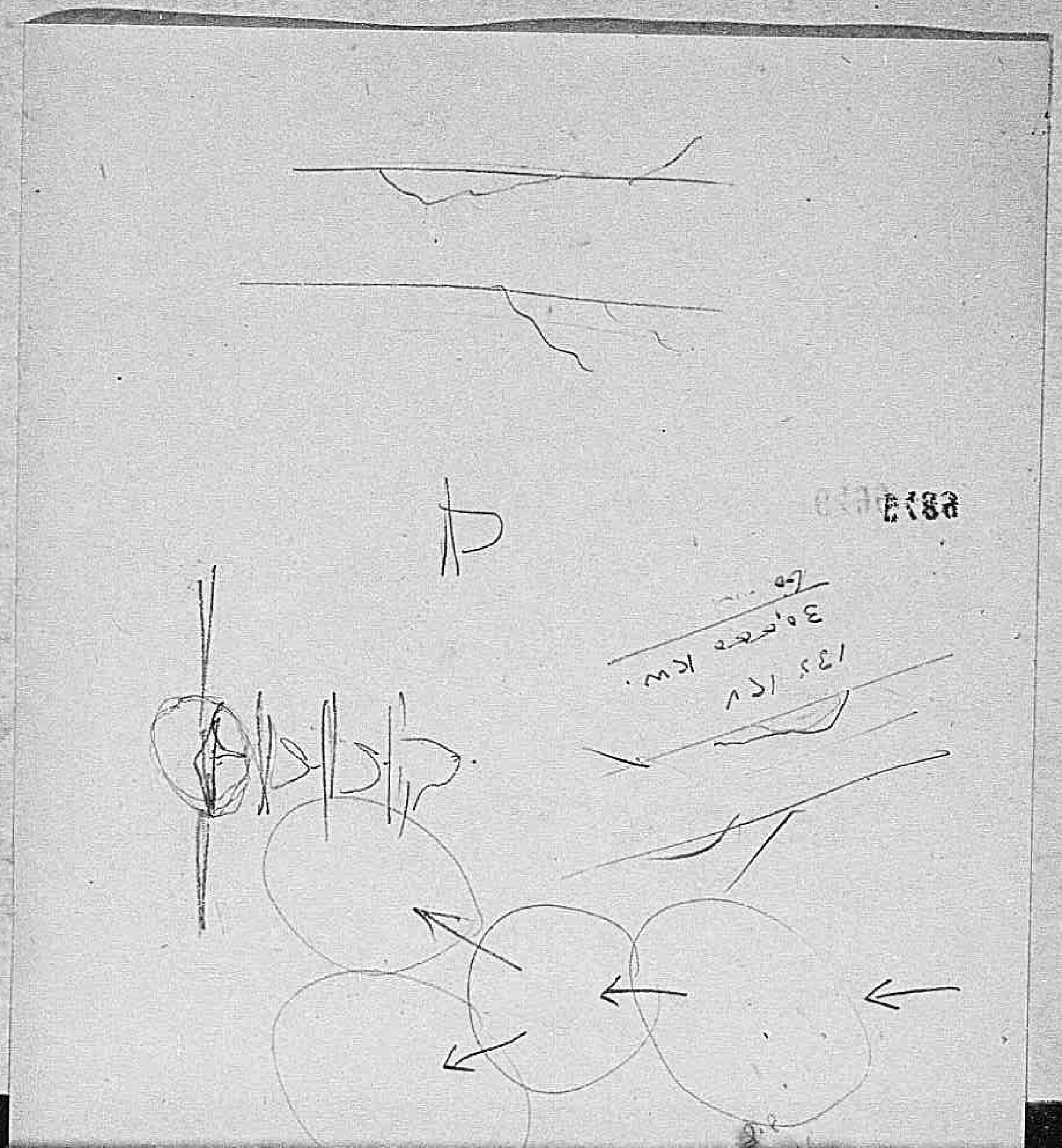
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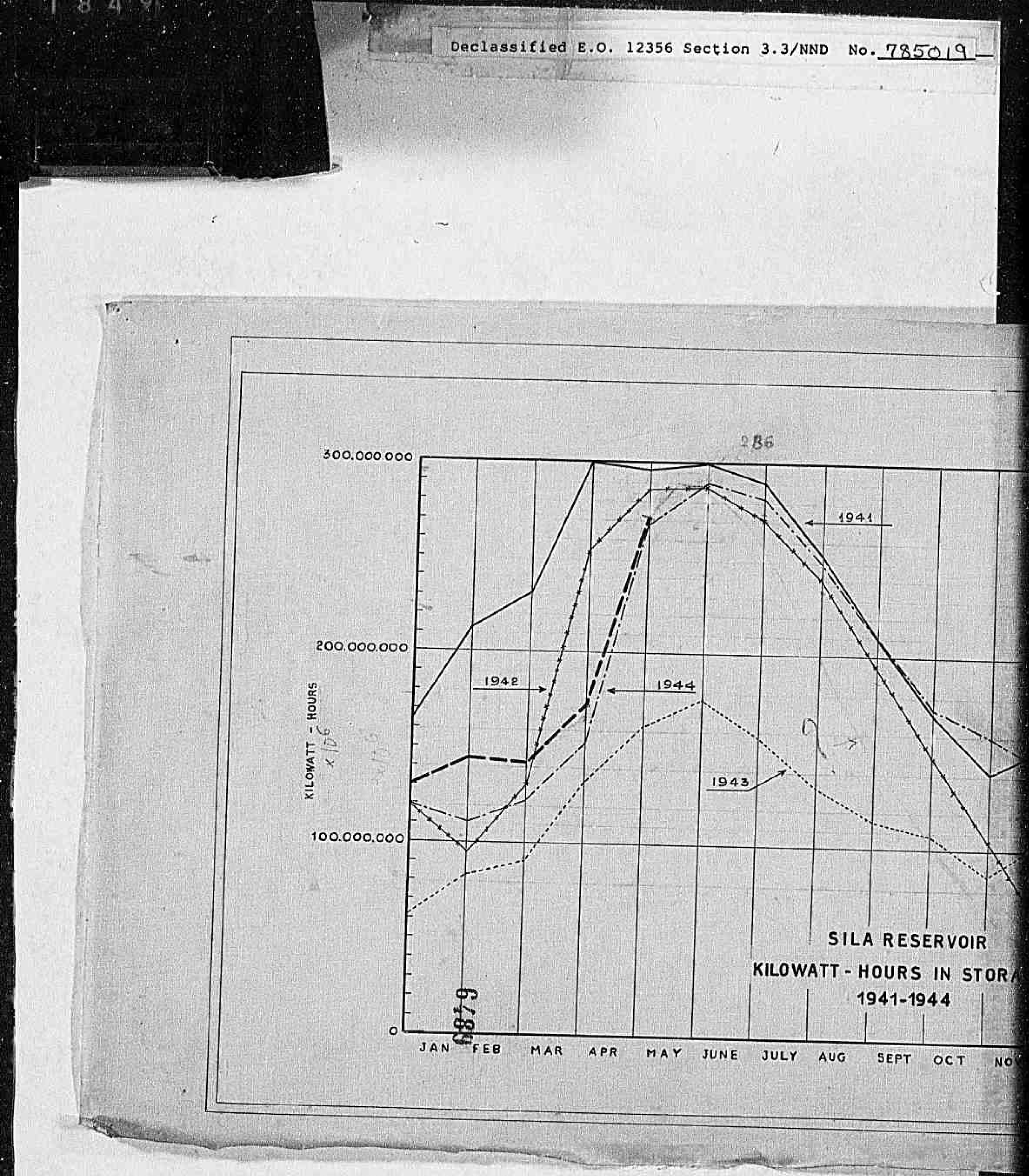
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1850

286

Na879

Tel. 489081 HEADQUARTERS ALLIED COMMISSION WRL/ac
Ext. 317 APO 394
Public Works and Utilities Sub-Commission

Reference : 158/PWU

22 June 1945

Subjtect : Electricity Central Italy

To : SECRETARY ELECTRIC POWER COMMITTEE AFLR(I) B

1. An estimate of the availability of electric power has been made for Central Italy for the months of July to December 1945 inclusive and details of this are shown in the attached sheets.

2. The electricity situation in Central Italy will become better during the month of July because of the two following factors :

(a) - Operation of the 120 KV transmission line between Ligonchio and Pian della Rocca, supplying 40,000 KW from the north.

(b) - Operation of the third 35,000 KW machine at Galleto (Terni).

3. Upon completion of the 120 KV line from the north the frequency of the Central Italy system will be increased from 45 to 50 cycles.

4. It is recommended that a maximum of 50,000 KW additional power be allocated to Central Italy for the month of July, but that this power not be taken until the projects mentioned in paragraph 2 in the foregoing are completed. It is recommended that the allocation of 50,000 KW additional not be exceeded based upon the following considerations :

(a) - The increase in frequency from 45 to 50 cycles will cause an increased power demand.

(b) - The generators on the Central Italy system are now heavily loaded, causing the system voltage to be low, and allowing no margin for spare capacity.

(c) - The output of the stream flow plants in Central

6

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(a) - Operation of the 120 KV transmission line between Ligonchio and Pian della Rocca, supplying 40,000 KW from the north.

(b) - Operation of the third 35,000 KW machine at Galleto (Terni).

3. Upon completion of the 120 KV line from the north the frequency of the Central Italy system will be increased from 45 to 50 cycles.

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(a) - The increase in frequency from 45 to 50 cycles will cause an increased power demand.

(b) - The generators on the Central Italy system are now heavily loaded, causing the system voltage to be low, and allowing no margin for spare capacity.

(c) - The output of the stream flow plants in Central Italy has fallen off because of low rainfall.

TOTAL ELECTRICITY AVAILABLE AT PLANTS IN CENTRAL ITALY

	July	Aug	Sept	Oct	Nov	Dec
kWh x 10^6	130.0	132.0	151.0	156.0	165.0	190.0
kW x 10^3	226.0	230.0	262.0	272.0	282.0	300.0

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

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

ELECTRICITY CENTRAL ITALY

Operation programme for the six months
ending 31st December 1945

OUTPUT AVAILABLE FROM COMPANIES IN CENTRAL ITALY IN $kWhx10^6$

Name of Company	July	Aug	Sept	Oct	Nov	Dec
ACEA	2.0	2.6	4.2	4.4	10.0	10.5
EDISON	26.0	26.0	26.2	26.0	25.2	26.0
LARDARELLO	7.0	7.0	8.0	9.2	11.3	13.5
SELT-VALDARNO	7.3	7.2	9.0	9.9	11.5	12.5
S R E	27.0	27.0	28.2	29.8	31.4	45.3
TERNI	56.7	58.0	70.4	70.0	67.4	73.9
UNES	4.0	4.2	5.0	6.7	8.2	8.3
TOTAL	130.0	132.0	151.0	156.0	165.0	190.0

OUTPUT AVAILABLE FROM COMPANIES IN CENTRAL ITALY IN $KWx10^3$

ACEA	3.0	4.5	4.5	5.8	13.7	14.6
EDISON	50.0	50.0	50.0	50.0	50.0	50.0
LARDARELLO	12.0	12.0	12.0	15.0	18.0	21.0
SELT-VALDARNO	13.4	13.3	14.7	15.6	17.7	18.7
S. R E	38.6	39.4	39.3	40.9	45.8	66.6
TERNI	103.3	104.4	133.5	133.2	123.5	115.7
UNES						

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EDISON	26.0	26.0	26.2	26.0	25.2	26.0
LARDARELLO	7.0	7.0	8.0	9.2	11.3	13.5
SELT-VALDARNO	7.3	7.2	9.0	9.9	11.5	12.5
S R E	27.0	27.0	28.2	29.8	31.4	45.3
TERNI	56.7	58.0	70.4	70.0	67.4	73.9
UNES	4.0	4.2	5.0	6.7	8.2	8.3
TOTAL	130.0	132.0	151.0	156.0	165.0	190.0

OUTPUT AVAILABLE FROM COMPANIES IN CENTRAL ITALY IN KWx10^3

ACEA	3.0	4.5	4.5	5.8	13.7	14.6
EDISON	50.0	50.0	50.0	50.0	50.0	50.0
LARDARELLO	12.0	12.0	12.0	15.0	18.0	21.0
SELT-VALDARNO	13.4	13.3	14.7	15.6	17.7	18.7
S R E	38.6	39.4	39.3	40.9	45.8	66.6
TERNI	103.3	104.4	133.5	133.2	123.5	115.7
UNES	5.7	6.8	8.0	11.5	13.3	13.4
TOTAL	226.0	230.0	262.0	272.0	282.0	300.0

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

ELECTRICITY CENTRAL ITALY

ALLOCATION IN kWh x 10^6

Area	Allocations		
	Actual for June	Estimated for July	Estimated with extra capacity for July
Civitavecchia, Littoria	3.0	3.0	
District I	25.4	25.4	
District III	3.8	3.8	
Florence	9.3	9.3	
Railways	6.0	6.0	
R.A.A.C.	27.0	27.0	
VALDARNO (less Florence	12.5	12.5	
TOTAL AT SUB-STATIONS TOTAL AT PLANTS	87.0 95.0	87.0 95.0	111.0 130.0

ALLOCATION IN KW x 10^3

Civitavecchia, Littoria	5.0	5.0	
District I	40.0	40.0	
District III	7.0	7.0	
Florence	16.0	16.0	

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District III	3.8	3.8	
Florence	9.3	9.3	
Railways	6.0	6.0	
R.A.A.C.	27.0	27.0	
VALDARNO (less Florence	12.5	12.5	
TOTAL AT SUB-STATIONS TOTAL AT PLANTS	87.0 95.0	87.0 95.0	111.0 130.0

ALLOCATION IN KW x 10^3

Civitavecchia, Littoria	5.0	5.0	
District I	40.0	40.0	
District III	7.0	7.0	
Florence	16.0	16.0	
Railways	10.0	10.0	
R.A.A.C.	52.0	52.0	
Valdarno (less Florence)	21.0	21.0	
TOTAL AT SUB-STATIONS TOTAL AT PLANTS	151.0 165.0	151.0 165.0	201.0 226.0

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

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

Tel.48900 31
Ext.317.

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

WML/ce

214/PWU.

12 June 45.

SUBJECT: Electricity Supply.

TO : The Secretary
ELECTRIC POWER COMMITTEE
A.F.L.C. A.)B.

1. Your attention is drawn to the following changes which are being made to the electrical system of Central Italy.

2. On Sunday evening last a 60,000 Volt transmission line running from LIGONCHIO to PIAN DELLA ROCCA was completed and put into service. This line will transmit about 10,000 KW. of power from the 42 cycle area in Northern Italy, and through a frequency changer at Ligonchio will deliver this at 50 cycles to Central Italy.

3. As this is only a small tie-line connection and is not, therefore, suitable for interconnection of the North and Central Italy grids, arrangements have been made for a connection to the Leghorn grid and also to give a supply to Prato. The new connection does not feed into the Central Italy grid beyond this point.

4. It will be remembered that the 45 cycle arrangement in Central Italy caused some difficulty in connection with the water supply in the Florence area and, therefore, the SELT VALDARNO Electrical Company have now changed most of the water-pumping plants at Florence over to the new 50 cycle supply from the north.

5. It is not recommended that new allocations of power be made for the present, but rather that this small amount of relief which is being fed into Florence and will ease the demand on Central Italy be used for the purpose of improvement in the present supply for voltage and frequency regulation.

6. At the end of July the first of the 120,000 Volt lines between North and Central Italy will be completed and ready for service. This line will bring 50 cycle power direct from North Italy through Ligonchio to TAVERNUZZE Sub-Station. To allow for reasonable regulation the capacity of the line may be taken as 40,000 KW. In addition, a further 35,000 KW. set at GALLETO (Terni) will be restored to service at about the same time.

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

7. In order to continue to pool the electrical resources in Central Italy and maintain the operation of the grid system under the Master Control Centre, it will be necessary to raise the frequency of Central Italy from 45 cycles to 50 cycles at the time when the power is available from North Italy. This will be about the end of July and arrangements are being made through the electrical power companies in Central Italy for those consumers who have not previously received a 50 cycle supply to have changes made at their plant drive and equipment where this is considered to be necessary.

8. In order to allow a margin of spare capacity and also to cover any increased power demands caused by the change in existing frequency, it is recommended that a maximum of 50,000 KW. of additional power be allocated for the month of July. This to be contingent upon the coming into operation of the 120,000 volt transmission line and the Galleto unit mentioned in para.6.

9. Will you please arrange to circulate the above information to all interested services.

For the Chief Commissioner:

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

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ALLOCATION OF ELECTRIC POWER - JULY 1945

SOUTHERN ITALY

AREA SERVED	RESPONSIBILITY OF		PERMISSIBLE 15 Minute Peak KW x 10^3		PERMISSIBLE ENERGY KWH x 10^6	
Apulia Co.						
To UNRRA	3 District		40	36.0		19.5
Naples District	3 District		4	3.5		I.2
Campania Co.	UNRRA		41	37.0	39.5	19.5	20.7
(i) Frattamaggiore	3 District		6	3.5		2.0
(ii) Foniigliano				I.5		I.0
(iii) Salerno-Torre-Castellamare	3 District		21	19.0		10.5
(iv) Benevento	3 District		2.5	2.25		I.4
(v) Caloro	3 District		1.25	I.00		0.6
(vi) Santa Maria	UNRRA		5.5	5.50		3.0
Insania Co.	3 District		4.5	4.00	33.75	I.3	I 9.7
Railways, Naples Area	UNRRA		1.50	I.50	I.5		
Foggia Benevento	UNRRA		5.50	4.50	5.00	I.I	I.I
Salerno Torre	UNRRA		2	2.00	2.00	I.7	3.0
					11.5	I.I	I.I
TOTAL I50 kV at Sub Stations				I22.25		63.7	5.2
Calabria 60 kV System							
(i) Calabria Co.	ALCOA		8.5	8.50		2.0
(ii) Crotone Plant	ALCOA		2	2.00		I.5
(iii) Railways	UNRRA		3	3.00		I.7
TOTAL 60 kV at Sub Stations				13.50		5.2
TOTAL I50 kV & 60 kV						

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AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak kW x 10^3		PERMISSIBLE ENERGY KWH x 10^6	
Apulia Co.	3 District	40	36.0		19.9
To UNES	3 District	4	3.5		I.2
Naples District	FBS	41	37.0	39.6	19.5 20.7
Campania Co.					
(i) Frattamaggiore	FBS	6	3.2		2.0
(ii) Pomigliano	3 District		I.5		I.0
(iii) Salerno-Torre-Castellammare	3 District	21	I9.0		I0.9
(iv) Benevento	3 District	3.5	3.25		I.4
(v) Calore	3 District	I.25	I.00		0.6
(vi) Santa Maria	FBS	5.5	2.50		2.8
Ausonia Co.	3 District	4.5	4.00	35.75	I.3 18.3
Railways, Naples Area	NRS	I.50	I.50	I.50	I.I I.I
Foggia Benevento	NRS	5.50	4.50	5.50	I.7 3.0
Salerno Torre	NRS	2	2.00	2.00	I.I I.I
				11.5	5.2
TOTAL I50 kV et Sub Stations			I42.25		63.7
Calabria 60 kV System					
(i) Calabria Co.	ALGOM	8.5	8.50		2.0
(ii) Crotone Plant	ALGOM	2	2.00		I.5
(iii) Railways	NRS	3	3.00		I.7
TOTAL 60 kV at Sub Stations			13;50		5.2
TOTAL I50 kV & 60 kV			I55.75		68.9
TOTAL at Plants		170.000	I59.00		78.0

Diversity factor for July 0.95
Losses Factor I.20
Energy Loss 13 %.

Naples, June 1945
EH/GDz

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

Tel.489081
Ext. 317

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

WML/ac

Reference : 051/P/U

21 June 1945

Subject : Electricity Southern Italy

To : SECRETARY ELECTRIC POWER COMMITTEE AFLR(I) B

1. An estimate of the availability of electric power has been made for Southern Italy for the months of July to December 1945 inclusive and details of this are shown on the attached sheets.

2. Attention is drawn to the reduction in output from the generating stations due to :

(a) - Breakdown of generating plant at Sila.
(b) - Abnormally dry spring season which is now being felt on the Rivers and Reservoirs in Southern Italy.

3. At Pescara where generating plants were seriously damaged it is anticipated that some units may be restored to service by Oct/Nov. 1945, but no relief should be expected from this source earlier than that shown viz. Nov. 1945.

4. The repairs to the Terni-Pescara 150 KV transmission line is progressing slowly. There are still about 130 structual steel towers to be rebuilt and minefields to be removed. It is estimated that the line will not be completed before Nov/Dec. 1945 when it is planned to import up to 20,000 KW at 80% load factor to Southern Italy. This is included in the December estimate.

5. It is recommended that the following figures are used when making allocations of power to Southern Italy. These being subject to ammendment each month in the light of later information.

TOTAL POWER AVAILABLE AT PLANTS IN SOUTHERN ITALY 6482

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1. An estimate of the availability of electric power has been made for Southern Italy for the months of July to December 1945 inclusive and details of this are shown on the attached sheets.

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5. It is recommended that the following figures are used when making allocations of power to Southern Italy. These being subject to ammendment each month in the light of later information.

TOTAL POWER AVAILABLE AT PLANTS IN SOUTHERN ITALY 6482

Percent	11.5	12.5	12.4	13.1	14.3	14.7
Difference	9	10	10	11	13	14
	July	Aug	Sept	Oct	Nov	Dec.
At substations →	69	70	71	73	77	81
kWh x 10^6	78	80	81	84	90	95
kW x 10^3	155	155	161	164	184	195
At substations	136	136	142	144	153	162
Difference	19	19	19	20	31	33
Percent	12.2	12.2	11.8	12.2	16.8	16.9

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

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

ELECTRICITY SOUTHERN ITALY

Operation programme for the six months ending 31st December 1945

OUTPUT FROM PLANTS IN SOUTHERN ITALY IN $kWh^r \times 10^6$

Name of Station	July	Aug	Sept	Oct	Nov	Dec
Sila Group	63.0	65.0	65.0	65.0	68.0	68.0
Tusciano / Tanagro	5.0	5.0	5.0	6.5	7.0	7.0
Calore	2.5	2.5	2.5	3.0	3.0	3.0
Matese	1.5	1.5	1.5	2.0	2.0	2.0
Capuana	6.0	6.0	6.0	6.0	2.5	2.5
Lete	-	-	1.0	1.5	1.5	1.5
Pescara / Terni	-	-	-	-	6.0	11.0
TOTAL	78.0	80.0	81.0	84.0	90.0	95.0

OUTPUT FROM PLANTS IN SOUTHERN ITALY IN $KW \times 10^3$

Sila Group	120.0	120.0	120.0	120.0	125.0	125.0
Tusciano /	8.0	8.0	8.0	10.0	14.0	15.0

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Tusciano Tanagro	5.0	5.0	5.0	6.5	7.0	7.0
Calore	2.5	2.5	2.5	3.0	3.0	3.0
Matese	1.5	1.5	1.5	2.0	2.0	2.0
Capuana	6.0	6.0	6.0	6.0	2.5	2.5
Lete	-	-	1.0	1.5	1.5	1.5
Pescara Terni	-	-	-	-	6.0	11.0
TOTAL	78.0	80.0	81.0	84.0	90.0	95.0

OUTPUT FROM PLANTS IN SOUTHERN ITALY IN KW x 10^3

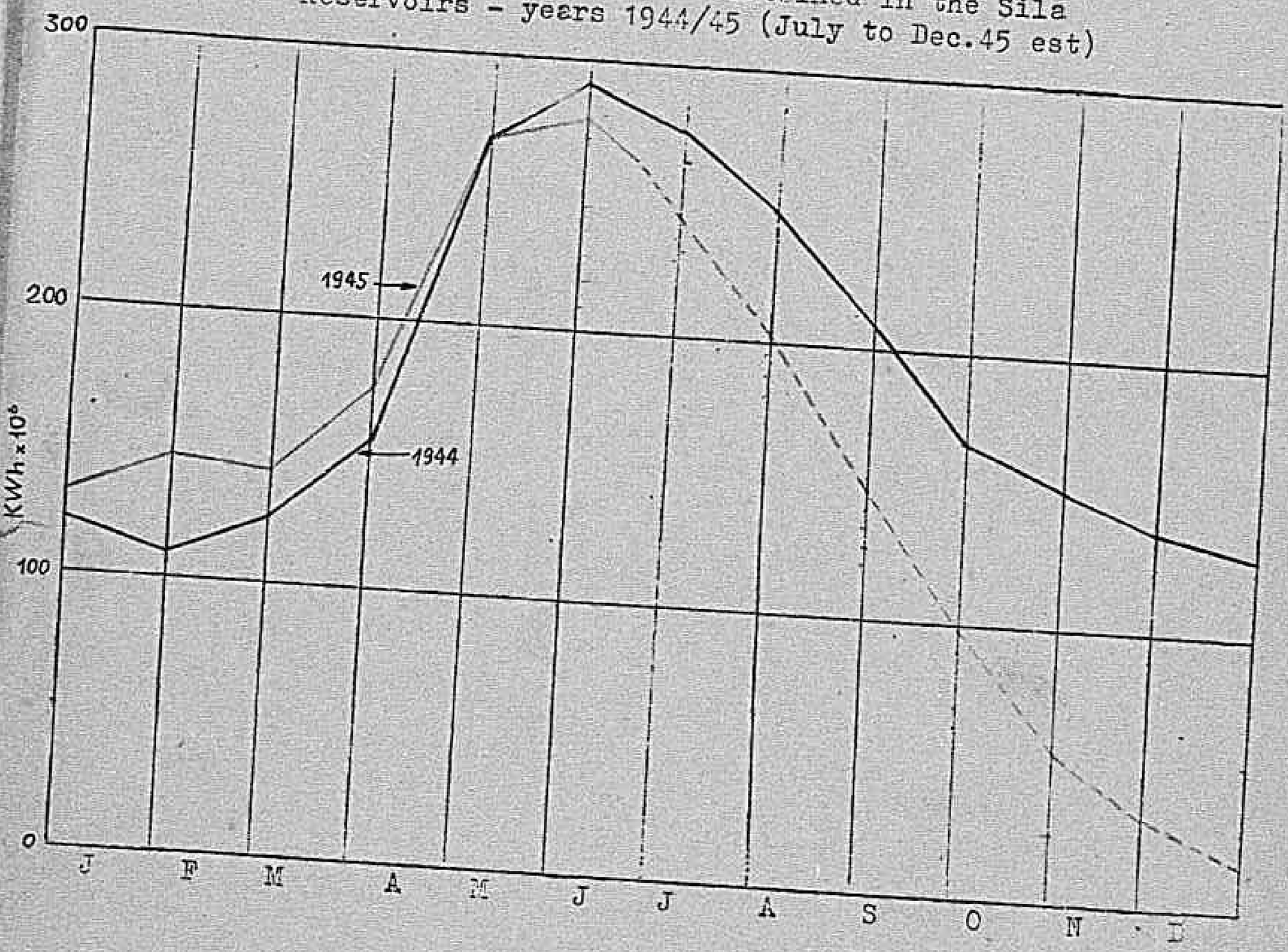
Sila Group	120.0	120.0	120.0	120.0	125.0	125.0
Tusciano Tanagro	8.0	8.0	8.0	10.0	14.0	15.0
Calore	4.0	4.0	4.0	5.0	5.5	5.5
Matese	5.0	5.0	5.0	5.0	5.5	5.5
Capuana	18.0	18.0	18.0	18.0	18.0	18.0
Lete	-	-	6.0	6.0	6.0	6.0
Pescara Terni	-	-	-	-	10.0	20.0
TOTAL	155.0	155.0	161.0	164.0	184.0	195.0

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ELECTRICITY SOUTHERN ITALY

Curves showing the kWh^{r} contained in the Sila Reservoirs - years 1944/45 (July to Dec.45 est)

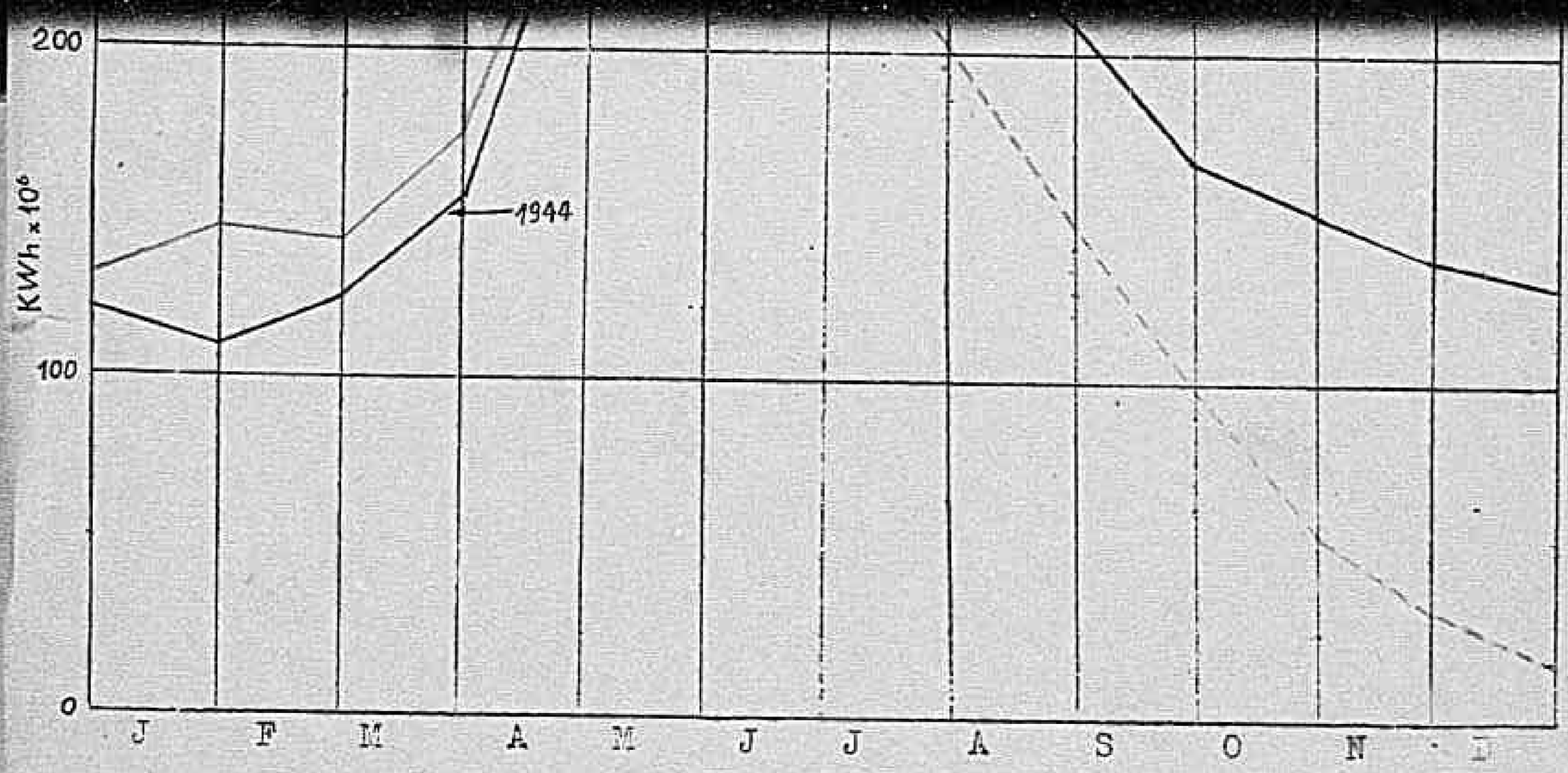


Comparison of Demand and kWh^{r} for the year 1944 and 1945 (July to December 1945 est.)

kWhr x 10^6		
Month	1944	1945
January	59	80
February	68	[illegible]

KW x 10^3		
Month	1944	1945
January	114	165

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Comparison of Demand and kWh^r for the year 1944 and 1945 (July to December 1945 est.)

kWhr x 10^6		
Month	1944	1945
January	59	80
February	68	75
March	73	87
April	63	82
May	60	83
June	58	84
July	64	78
August	64	80
September	66	81
October	72	84
November	78	90
December	81	95

Est 1945

KW x 10^3		
Month	1944	1945
January	114	165
February	122	168
March	117	168
April	108	162
May	109	160
June	114	161
July	122	155
August	126	155
September	137	161
October	149	164
November	157	184
December	157	195

Est 1945

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R E P O R T

on

WATT-HOUR METERS ACCURACY IN CONNECTION WITH FREQUENCY CHANGES

-.-.-.-.-

1) - At the meeting of the Advisory Committee on Electric Power for Central Italy, it was considered that the increase of frequency from 45 to 50 cycles in Central and Southern Italy could affect the reading of induction type watt-hour meters. As it will be seen later, the errors involved have no practical importance.

First of All starting from watt-hour meters for large consumers, the electrical companies should proceed to their calibration.

Residual errors can be completely disregarded. Even before the calibration, the errors encountered are in most cases of very little importance.

What above stated might be checked through experimental data on induction meters at various frequencies. In a more general way it may be based on the behaviour of meters considered from the theoretical standpoint and on the Standards of the Italian Electrical Committee approved by the Consiglio Nazionale delle Ricerche.

2) - The most important error when frequency is different from the rated value is the "phase error" due to the phase angle between voltage and magnetic flux of potential winding being different from 90°.

This error is almost unnoticeable at cos $\theta = 1$ and increases with decreasing factor.

(a) Some different diagrams may be used in order to examine this matter.
In the most suitable one, absolute errors (differences between readings and true values of energy) are plotted against power factor, at constant current and frequency.

This error varies according to a S-shaped curve in function of the p.f. (fig. 1, 2) (theoretically the curve would result from two sinusoidal half-waves ranging bet[illegible]

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In the most suitable one, absolute errors (differences between readings and true values of energy) are plotted against power factor, at constant current and frequency.

This error varies according to a S-shaped curve in function of the p.f. (fig. 1, 2) (theoretically the curve would result from two sinusoidal half-waves ranging between positive and negative maximum plotted against phase angles.

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Theoretically fig. 1 shows that the junction point between positive and negative portions is encountered at unity power factor; at rated frequency the S-diagram is so flattened as to concide with the axis of the abscyssae.

Figure 2 shows practically that the actual curves are slightly deformed. The junction point between positive and negative portions is only in proximity of the origin; the rated frequency curves do not concide with the axis of the abscyssae.

./.

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The positive and negative portions of the diagram corresponde to the inductive and capacitive loads resp¢tively or viceversa according to the frequency being higher or lower of the rated value.

In brief error are positive for inductive load (when frequency is raised above the rated value) and negative for capacitive load. The reverse is true when frequency is below the rated value.

(b) It is also necessary to examine the relations between errors and frequency changes. A theoretical study would be unpractical. Experimental data show that, for frequency changes within ± 10 - 20% of the rated value the above relation is almost linear.

(c) The accuracy diagrams showing absolute errors, are by no means the only interesting ones.

In the ordinary diagrams, the percent errors are plotted against p.f. These diagrams are not reported here as their shape is less typical and they can be easily obtained from the preceeding ones.

3) - No indication as to the actual value of errors have so far been given. The accuracy limits established by the Italian Electrical Committee are shown in figure 3.

The increase in error should not exceed 1% (cos θ = 1) and 1.5% (cos θ = 0.5) when frequency is raised 5% above normal. The accuracy of ordinary meters is well above the stated limits.particularly for meters employed by big consumers using instrument fransformers.

For 10% frequency change the higher limit of accuracy may be assumed as 2% when p.f. = 1 and 3% when p.f. = 0.5.

4) - The above shown results may be summarized as follows :

(a) error increase reaches its maximum when p.f. is minimum.

(b) error increase is higher as frequency change is larger.

(c) assuming that cos θ = 0.5, inductive load and frequency raised of 10% (corresponding to the frequency

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value the above relation is almost linear.

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(a) error increase reaches its maximum when p.f. is minimum.

(b) error increase is higher as frequency change is larger.

(c) assuming that cos θ = 0.5, inductive load and frequency raised of 10% (corresponding to the frequency change in Central and Southern Italy) the accuracy will be within 2, 3% before the calibration and probably within a few °/oo after the calibration.

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(d) assuming cos θ = 0.5, inductive load and frequency raise from 42 to 50 cycles (as it will occur in the future in Northern Italy) the accuracy may be estimated to be of 4% - 5% before the calibration and within some per °/oo after the calibration.

According to that it may be said that :

for Central and Southern Italy the problem of accuracy in meter reading has no importance. Also it must be kept in mind that when power factor is in proximity of unity, errors may be either positive or negative.

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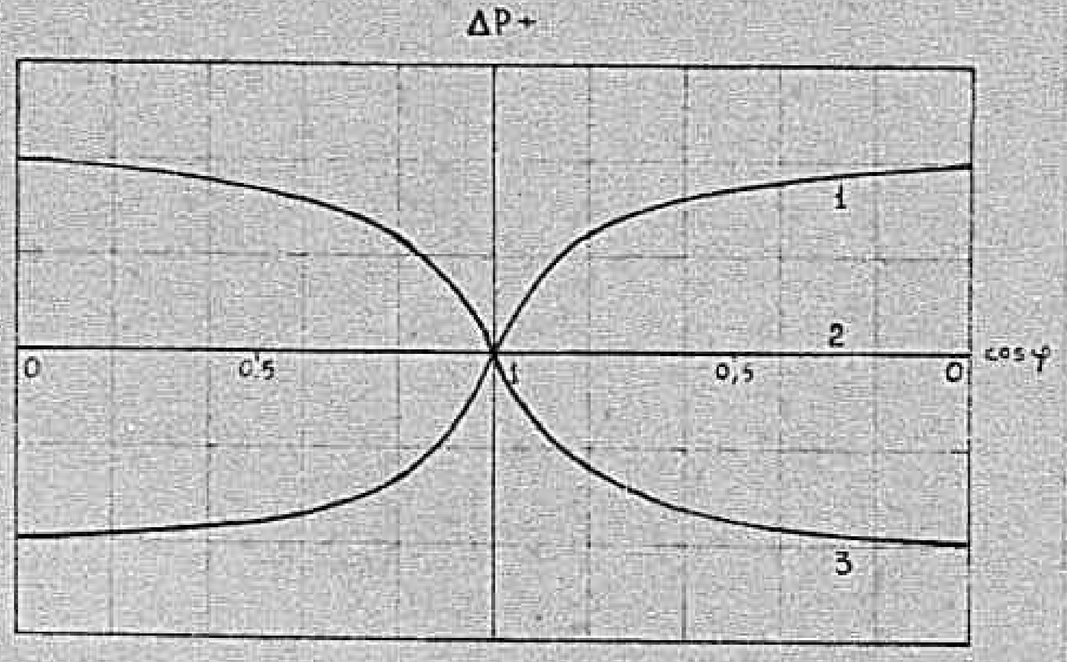
No delay is consequently to be provided in standardiza tion of frequency.

For Northern Italy it will be advisable to carry out the calibration of meters before the frequency change takes place.

Rome, July 10th, 1945

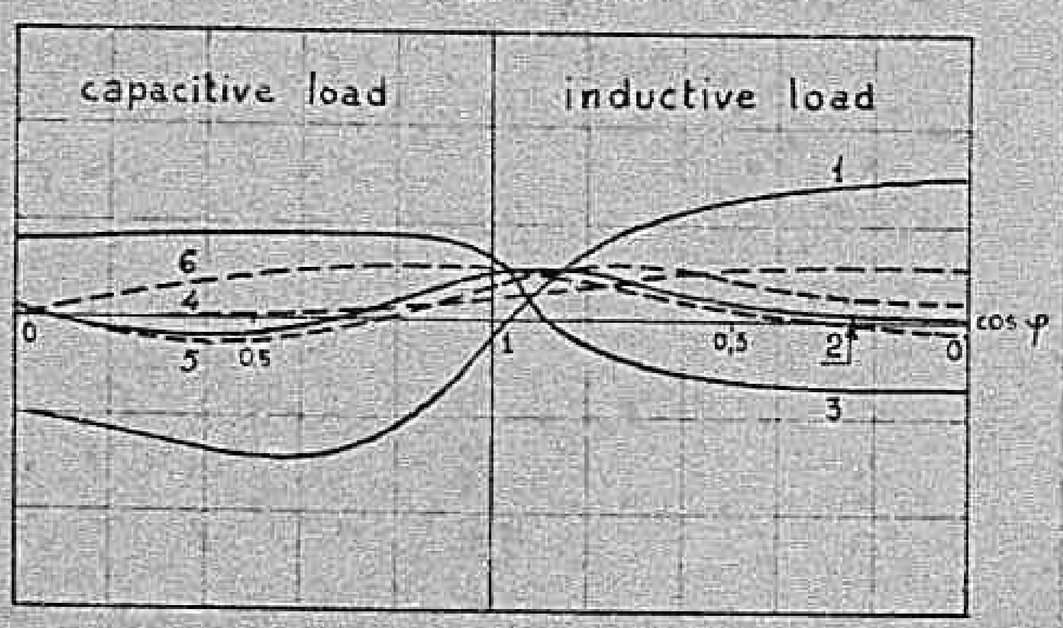
6477

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1 - Higher frequency
2 - Normal frequency
3 - Lower frequency

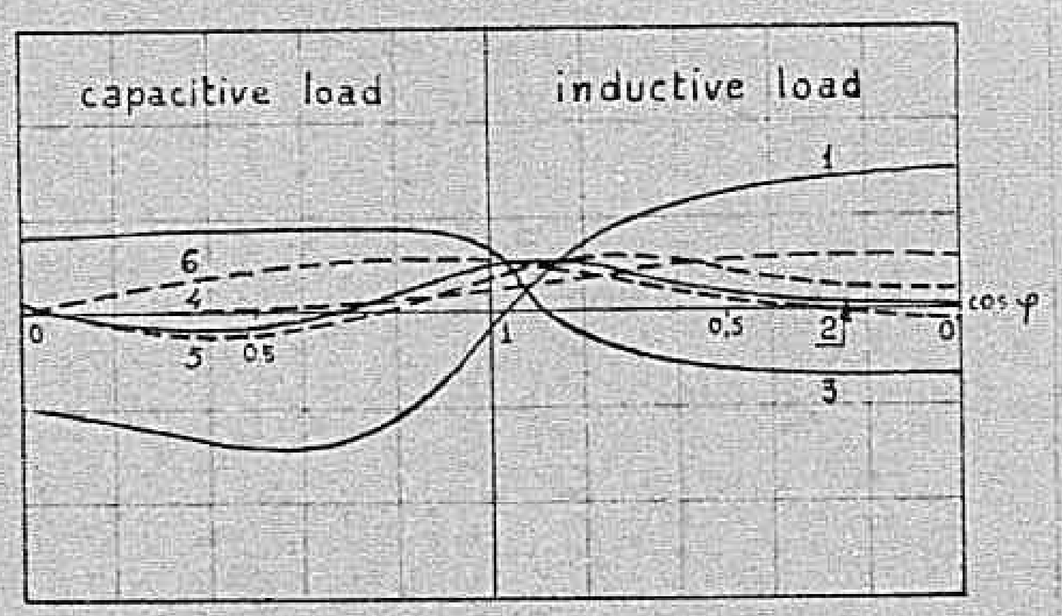
Fig. 1 - Absolute errors as a function of power factor for various frequencies (theoretical curves)



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

1 - Higher frequency
2 - Normal frequency
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Fig. 1 - Absolute errors as a function of power factor for various frequencies (theoretical curves)

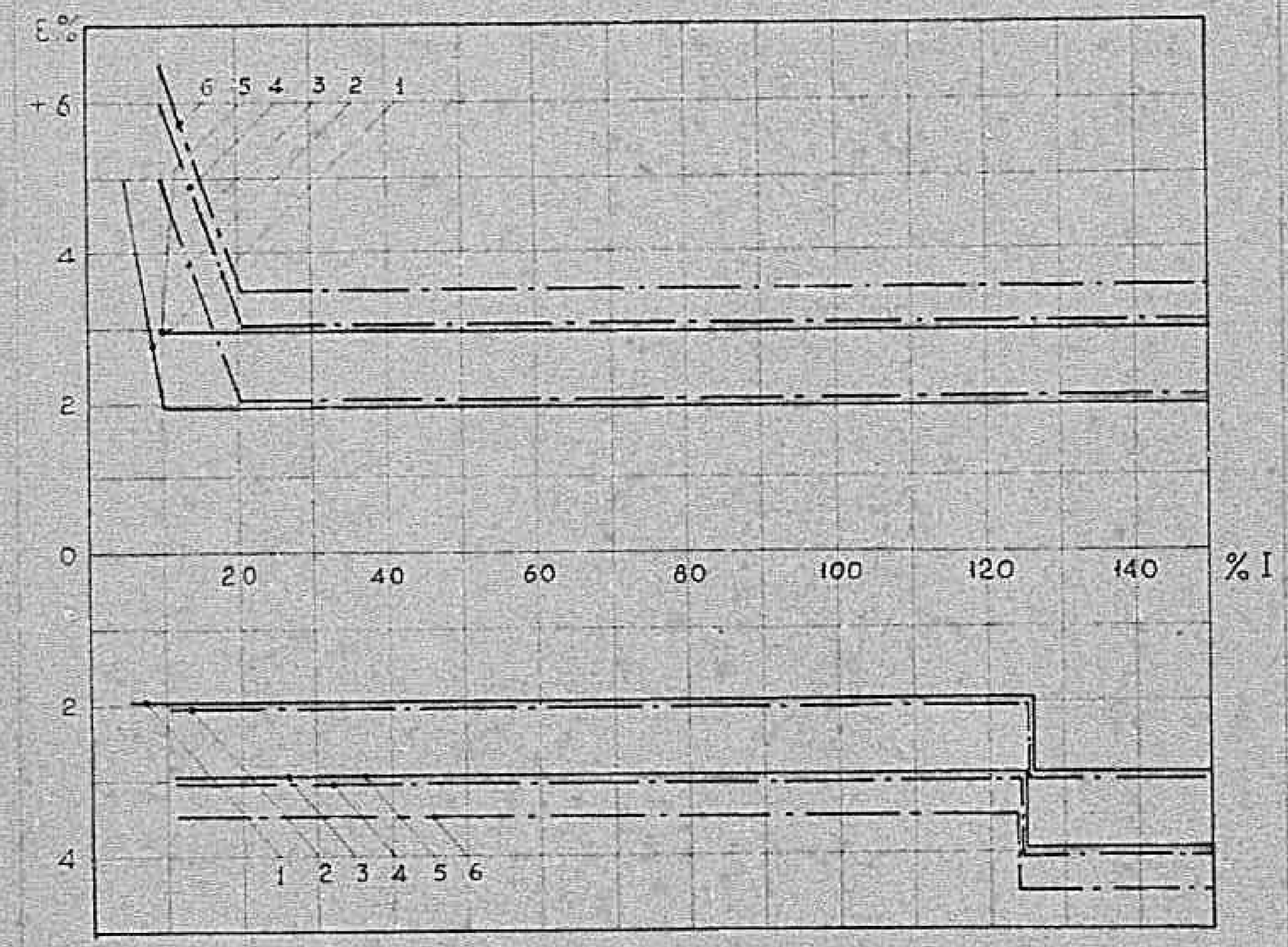


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1 - 4 A , 55 cycles
2 - " " 50 "
3 - " " 45 "
4 - 0.5 A , 55 cycles
5 - " " 50 "
6 - " " 45 "

Fig. 2 - Absolute errors as a function of power factor for various frequencies (experimental curves)

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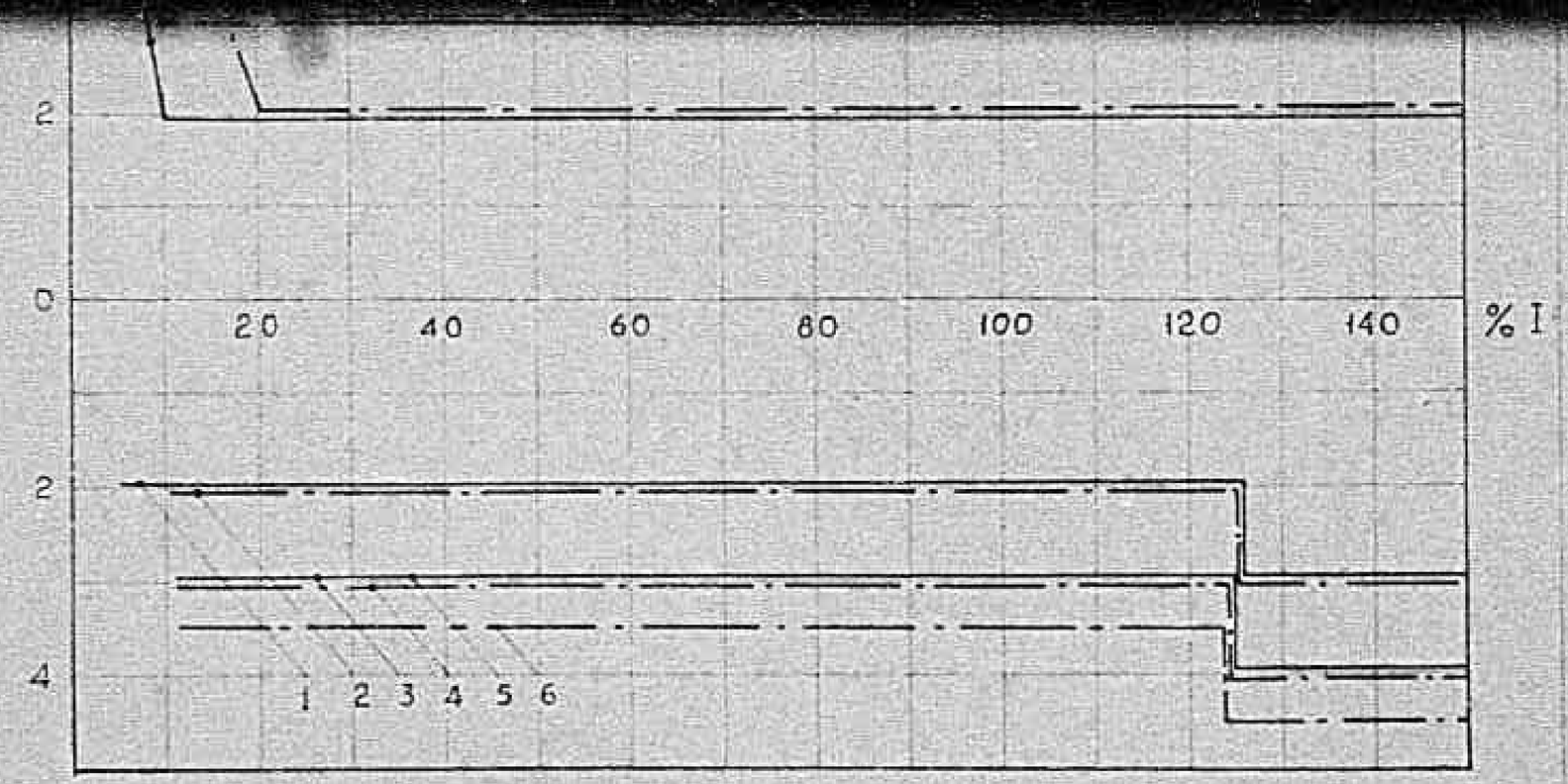


$\frac{1}{2}$ - normal frequency & voltage $\begin{cases} \cos \varphi = 1 \\ \cos \varphi = 0.5 \end{cases}$

$\frac{3}{4}$ - normal frequency; voltage $^{110\%}_{90\%}$ $\begin{cases} \cos \varphi = 1 \\ \cos \varphi = 0.5 \end{cases}$

$\frac{5}{6}$ - frequency $^{105\%}_{95\%}$ normal voltage $\begin{cases} \cos \varphi = 1 \\ \cos \varphi = 0.5 \end{cases}$

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Fig.3 - Percent accuracy limits in various operating conditions from the code C.E.I. 1942.-

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BIDS FOR ELECTRIC POWER FOR THE MONTH OF JULY 194

SOUTHERN ITALY

AREA SERVED	Responsibility of	PERMISSIBLE 15 MINUTE PEAK DEMAND KW x 10^3			
		JULY Allocation	AUGUST Bid	AUGUST Allocation	JU Alloca
Apulia Co.					
To UNES	3 District	36.00	40.00		19.
Naples District	3 District	3.50	4.00		1.
Campania Co.	P.B.S.	37 00	37.00		18.
(i) Frattamaggiore	P.B.S	3.50	3.80		
(ii) Pomiglianno	3 District	1.50	2.00		2,
(iii) Salerno-Torre-Cast.	3 District	19.00	21.00		1.
(iv) Benevento	3 District	3.25	3.25		10.
(v) Colere	P.B S	1.00	1.25		1.
(vi) Santa Maria	3 District	5.50	5.50		0.
Lucania Co.	M R S.	4.00	4.50		2.
Railways Naples Area	M.R.S.	1.50	1.50		1.
Foggia-Benevent	H R S.	8.00	8.00		1.1
Salerno-Torre.		2.00	2.00		3.
TOTAL 150 KV AT SUB STATIONS					1.
		125.75	133.80		64.
Calabria 60 KV System					
(i) Calabria Co.	ALCOA	8.50	8.50		
(ii) Railways	M.R.S.	3.00	3. 0		2.
TOTAL 6 KV AT SUB STATIONS		11.50	11.		1.
TOTAL 150 KV & 60 KV		137.25	145.3		3.
TOTAL AT PLANTS		155.00			67.
					78.

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BIDS FOR ELECTRIC POWER FOR THE MONTH OF JULY 1945

SOUTHERN ITALY

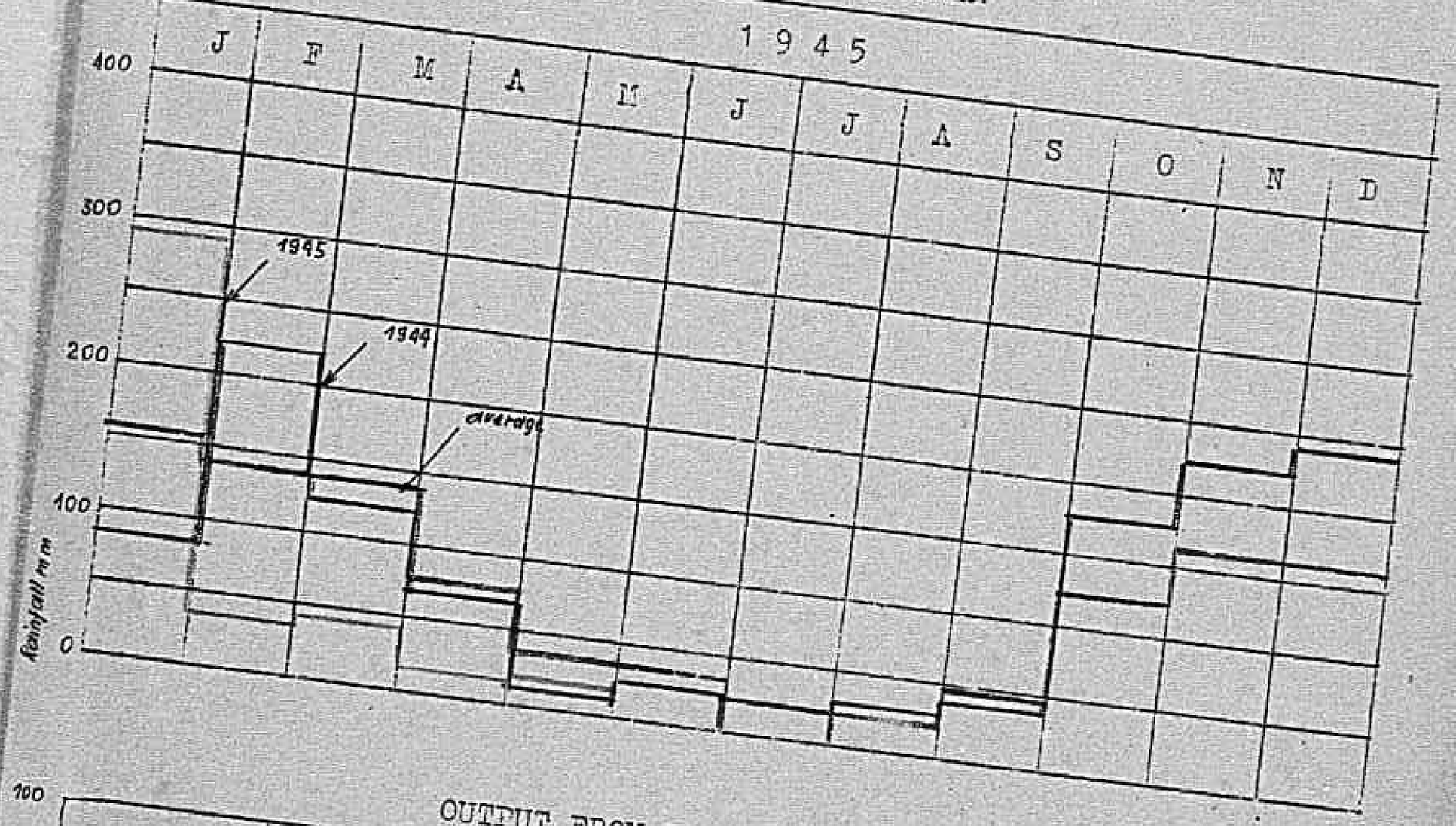
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D	Responsibility of	PERMISSIBLE 15 MINUTE PEAK DEMAND KW x 10^3			PERMISSABLE ENERGY KWH^6			
		JULY Allocation	AUGUST Bid	AUGUST Allocation	JULY Allocation	AUGUST Bid	AUGUST Allocation	
	3 District	36.00	40.00		19.50	20.00		
	3 District	3.50	4.00		1.20	1.50		
	P.B.S.	37.00	37.00		18.50	18.50		
ioro	P.B.S	3.50	3.80		2.20	2.40		
	3 District	1.50	2.00		1.00	1.25		
rre-Cast	3 District	19.00	21.00		10.50	11.00		
	3 District	3.25	3.25		1.40	1.40		
	3 District	1.00	1.25		0.60	0.70		
a	P.B.S	5.50	5.50		2.80	2.80		
	3 District	4.00	4.50		1.30	1.50		
on	M.R.S.	1.50	1.50		1.10	1.10		
nevent	M.R.S.	8.00	8.00		3.00	3.00		
orre.	M.R.S.	2.00	2.00		1.10	1.10		
B STATIONS		125.75	133.80		64.20	66.25		
tem								
o.	ALCOA	8.50	8.50		2.00	2.00		
	M.R.S.	3.00	3.00		1.70	1.70		
B STATIONS		11.50	11.		3.70	3.70		137 AP
W		137.25	145.3		67.90	69.95		145 BP
		155.00			78.00			

ELECTRICITY SOUTHERN ITALY

Curves showing the rainfall in Calabria area for years 1944 and 1945 together with average year. Also output of electricity from hydro stations.

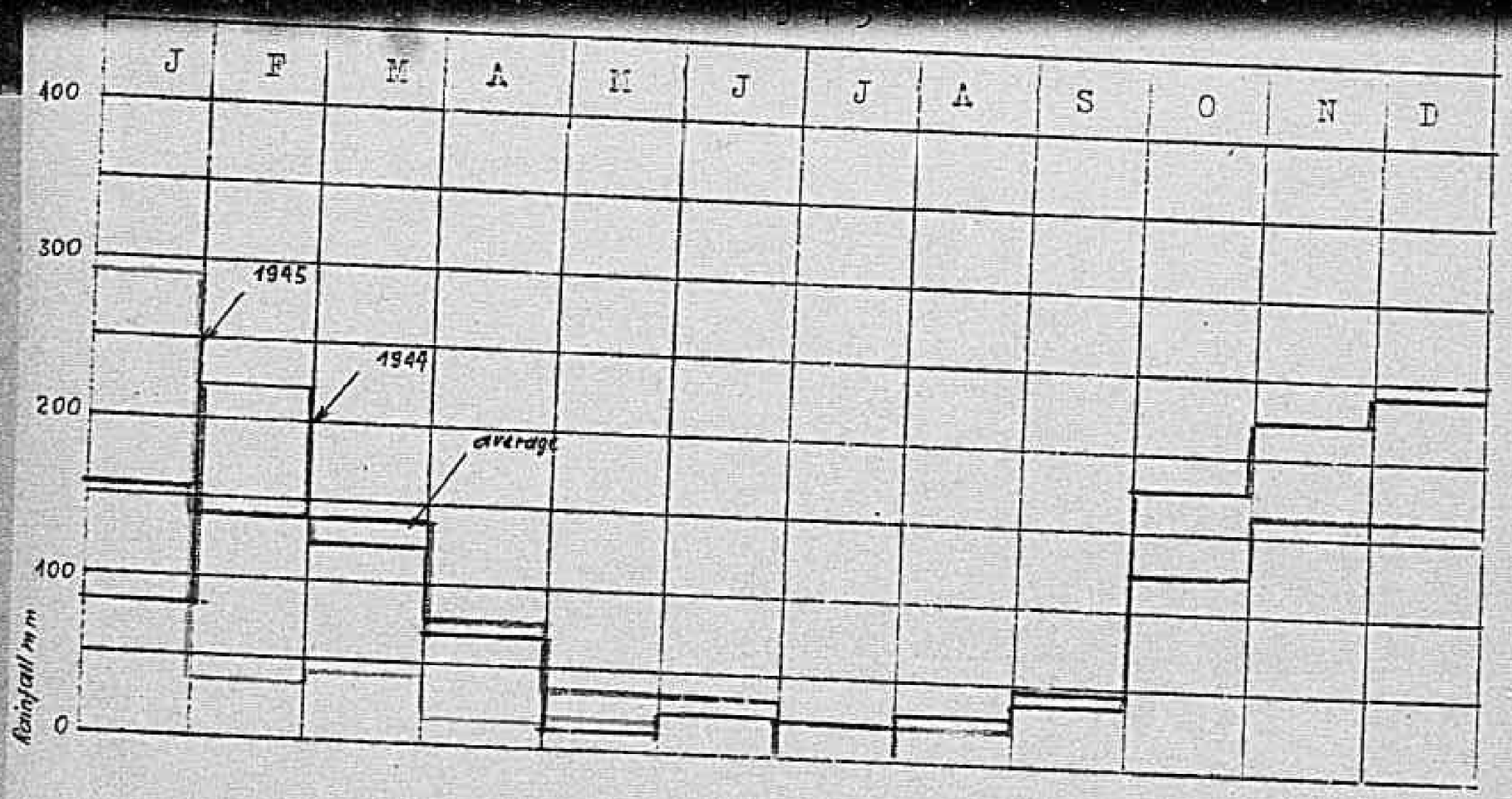
RAINFALL IN CALABRIA



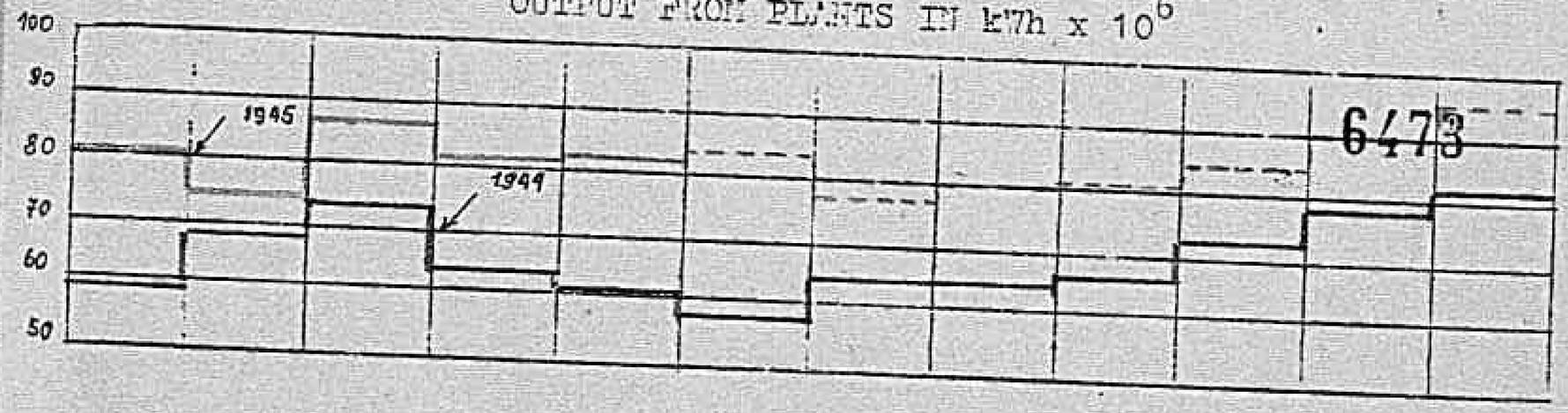
OUTPUT FROM PLANTS IN kWh x 10^6

6473

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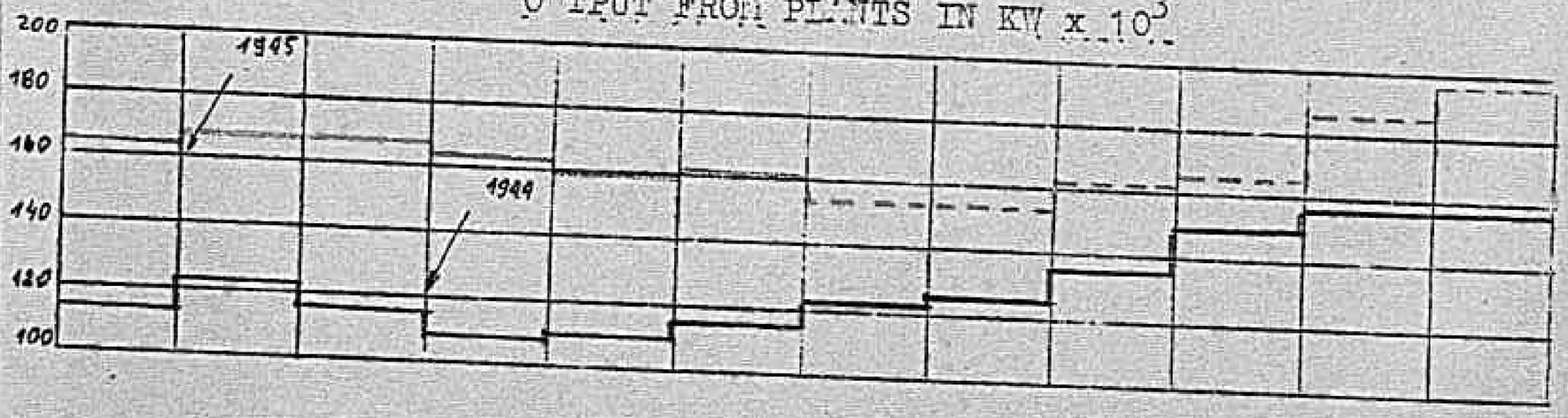


OUTPUT FROM PLANTS IN kWh x 10^6



6473

OUTPUT FROM PLANTS IN KW x 10^3



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ELECTRICITY SOUTHERN ITALY

ALLOCATION IN $kWh^r \times 10^6$

Area	Actual Allocation June	Estimated Allocation July
Apulia Company	21.0	20.2
Naples District	20.5	19.0
Campania Company	19.65	18.0
Lucania Company	1.5	1.3
Railways	3.9	5.2
Calabria	10.2	5.2
TOTAL AT SUB-STATIONS TOTAL AT PLANTS	76.75 87.00	69.0 78.0

ALLOCATION IN KW $\times 10^3$

Apulia Company	44.0	38.0
Naples District	41.0	37.0
Campania Company	37.0	33.0
Lucania Company	4.5	4.0

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Campania Company	19.65	18.0
Lucania Company	1.5	1.3
Railways	3.9	5.2
Calabria	10.2	5.2
TOTAL AT SUB-STATIONS TOTAL AT PLANTS	76.75 87.00	69.0 78.0

ALLOCATION IN KW x 10^3

Apulia Company	44.0	38.0
Naples District	41.0	37.0
Campania Company	37.0	33.0
Lucania Company	4.5	4.0
Railways	8.0	11.0
Calabria	21.5	13.0
TOTAL AT SUB-STATIONS TOTAL AT PLANTS	156.0 170.0	136.0 155.0

6472

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COPY NO: 89

ALLIED FORCE LOCAL RESOURCES SECTION
A.F.H.Q.

Postal Address:
AFLRS (RAAC), APO 512.

Telephone: ROME 66275.

29 May 1945.

LRS/215A

ALLIED FORCE LOCAL RESOURCES (ITALIAN) BOARD

ELECTRIC POWER COMMITTEE - MINUTES

58. The nineteenth meeting of the Electric Power Committee was held at 0930 hours on Tuesday 29 May 1945, in the AFLRS (AFHQ) Conference Room, ROME.

PRESENT:

Chairman
Brig. B. B. EDWARDS, Engrs (B), AFHQ

Representatives of:

D.W., AFHQ
DMR, ITALY
CG, PBS
HQ, No. 1 District
HQ, No. 3 District
CG, ROME Area Allied Command
HQ, ALCCH
Electrical Reconstruction Committee

In Attendance:
Chiefs of Section, AFLRS, AFHQ

59. MINUTES OF PREVIOUS MEETING:

The minutes of the eighteenth meeting held on 17 April 1945 were approved.

60. MINUTES OF BOARD MEETING:

6471

No matters arose for discussion from the meeting of the Board held on 5 May 1945.

61. ALLOCATION OF POWER - JUNE:

A report was received from Hq. ALCCH on the amount of power available in Central and Southern Italy. Demands from Base Sections, Districts, etc. were received and allocations were made as per Appendix "A" attached.

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

58. The nineteenth meeting of the Electric Power Committee was held at 0930 hours on Tuesday 29 May 1945, in the AFLRS (AFHQ) Conference Room, RCME.

PRESENT:

Chairman
Brig. B. B. EDWARDS, Engrs (B), AFHQ

Representatives of:

D.W., AFHQ
DMR, ITALY
CG, PBS
HQ, No. 1 District
HQ, No. 3 District
CG, RCME Area Allied Command
HQ, ALCCM
Electrical Reconstruction Committee

In Attendance:
Chiefs of Section, AFLRS, AFHQ

59. MINUTES OF PREVIOUS MEETING:

The minutes of the eighteenth meeting held on 17 April 1945 were approved.

60. MINUTES OF BOARD MEETING:

6471

No matters arose for discussion from the meeting of the Board held on 5 May 1945.

61. ALLOCATION OF POWER - JUNE:

A report was received from Hq. ALCCM on the amount of power available in Central and Southern Italy. Demands from Base Sections, Districts, etc. were received and allocations were made as per Appendix "A" attached.

62. ELECTRIC POWER SITUATION - NORTHERN ITALY:

A report on the Electric Power situation in Northern Italy was received from Hq. Allied Commission and is attached at Appendix "B".

The Committee recommended to the Board that in that part of Italy lying north of the northern boundaries of the provinces of LUCCA, PISTOIA, FIRENZE, and RAVENNA, no allocation of electric power should be made by the Committee in view of the supply being sufficient to meet all military and civilian demands.

63. MONTECATINI FERTILIZER PLANT - CROTONE:

It was agreed by the Committee that the supply of power to the Montecatini Works at Crotone for the manufacture of fertilizers should continue for the month of June but that due to the low level of water in the SILA reservoirs it would not be possible to continue the supply after June unless:

/(a).....

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(a) additional energy is made available from Northern Italy, or

(b) existing loads (military and civilian) in Southern Italy are reduced by an amount equivalent to the demand of the Montecatini Works.

The supply of power to the Crotone plant will be reviewed at the next meeting of the Committee. Hq. Allied Commission reported that investigations were being made into the possibility of producing an equivalent amount of fertilizer to the Crotone production at the Nera Montero Chemical Works at Terni. Such a production would necessitate the allocation of an additional 16 KW x 10^3 (approximately) and the situation regarding the loading of the transmission lines to the factory is being investigated by the Public Works and Utilities Sub-Commission, ALCOM.

64. CIVILIAN DEMANDS FOR POWER IN ITALIAN GOVERNMENT TERRITORY:

It was reported that the procedure regarding the submission of civilian demands for electric power in Italian Government territory as notified to the Committee at the meeting held on 20 March 1945 (Minute 48 refers) was working satisfactorily.

65. SUPPLY OF ELECTRIC POWER FROM THE NORTH:

Public Works and Utilities Sub-Commission, Hq. ALCOM, undertook to notify the Committee at its next meeting of the progress made in the reconstruction of power lines to permit of a supply of Electric Power from Northern to Central and Southern Italy.

66. MEMBERSHIP:

The Committee recommended to the Board that, in the event of the Electrical Reconstruction Committee being dissolved, representation on the Committee be given to the Director of the Public Works and Utilities Sub-Commission, Hq. ALCOM.

67. NEXT MEETING:

The next meeting of the Committee will be held at 0930 hours on Saturday, 23 June 1945, in the AFLRS (AFHQ) Conference Room, ROME.

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(approximately) and the situation regarding the loading of the transmission lines to the factory is being investigated by the Public Works and Utilities Sub-Commission, ALCCM.

64. CIVILIAN DEMANDS FOR POWER IN ITALIAN GOVERNMENT TERRITORY:

It was reported that the procedure regarding the submission of civilian demands for electric power in Italian Government territory as notified to the Committee at the meeting held on 20 March 1945 (Minute 48 refers) was working satisfactorily.

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Public Works and Utilities Sub-Commission, Hq. ALCCM, undertook to notify the Committee at its next meeting of the progress made in the reconstruction of power lines to permit of a supply of Electric Power from Northern to Central and Southern Italy.

66. MEMBERSHIP:

The Committee recommended to the Board that, in the event of the Electrical Reconstruction Committee being dissolved, representation on the Committee be given to the Director of the Public Works and Utilities Sub-Commission, Hq. ALCCM.

67. NEXT MEETING:

The next meeting of the Committee will be held at 0930 hours on Saturday, 23 June 1945, in the AFLRS (AFHQ) Conference Room, ROME.

S. J. B. LOUDEN, Major, DAQMG,
Secretary,
A.F.L.R. (ITALIAN) BOARD.

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APPENDIX "A"

ALLOCATION OF ELECTRIC POWER - JUNE 1945

SOUTHERN ITALY

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
Apulia Co.			
To UNES	3 District	40.00	19.50
Naples District	3 District	4.00	1.50
Campania Co.	PES	41.00 41.00	20.50 21.00
(i) Frattamaggiore	PES	4.00	2.50
(ii) Pomigliano	3 District	2.00	1.25
(iii) Salerno-Torre-Castelamare	3 District	21.00	11.00
(iv) Benevento	3 District	3.25	1.40
(v) Calore	3 District	1.25	0.70
(vi) Santa Maria	PES	5.50	2.80
Lucania Co.	3 District	4.50 34.00	1.50 19.65
Railways, Naples Area	LRS	1.50	1.10
Foggia Benevento	LRS	4.50 8.0	1.70 3.0
Salerno Torre	LRS	2.00	1.10
TOTAL 150 KV at Sub Stations		134.50 1.00	66.55 3.90
Calabria 60 KV System.			
(i) Calabria Co.	ALCOA	8.50	2.00
(ii) Crotone Plant	ALCOA	10.00	6.50
(iii) Railways	LRS	3.00	1.70
		21.50 21.50	10.20 10.20
TOTAL 60 KV at Sub Stations		156.00	76.75 73
TOTAL 150 KV & 60 KV		170.00	87.00
TOTAL at Plants			

Diversity factor for June 0.91
Losses Factor 1.20
Energy Loss 13%

CENTRAL ITALY - GRID

AREA SERVED & RESPONSIBILITY OF	0600 hours to 2200 hours KW x 10^3	0600 hours to 2200 hours KWH x 10^6	2200 hours to 0600 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6 6.70
DISTRICT 1.				
Terni	19.00	7.30	17.00	3.20
Terni Carbide	-	-	10.00	2.00
Perugia & Foligno	4.60	1.90	4.40	.80
Spoleto				

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[illegible]	3 District	4.00		1.50	
Naples District	PBS	41.00	44.00	20.50	21.00
Campania Co.					
(i) Frattamaggiore	PBS	4.00		2.50	
(ii) Pomigliano	3 District	2.00		1.25	
(iii) Salerno-Torre-Castelamare	3 District	21.00		11.00	
(iv) Benevento	3 District	3.25		1.40	
(v) Calore	3 District	1.25		0.70	
(vi) Santa Maria	PBS	5.50		2.80	
Lucania Co.	3 District	4.50	39.00	1.50	19.65
Railways, Naples Area	LRS	1.50		1.10	
Foggia Benevento	LRS	4.50	8.0	1.70	3.0
Salerno Torre	LRS	2.00		1.10	
TOTAL 150 KV at Sub Stations		134.50	91.00	66.55	3.90
Calabria 60 KV System.					
(i) Calabria Co.	ALCOA	8.50		2.00	
(ii) Crotone Plant	ALCOA	10.00		6.50	
(iii) Railways	LRS	3.00		1.70	
			21.50		10.20
TOTAL 60 KV at Sub Stations		21.50		10.20	
TOTAL 150 KV & 60 KV		156.00		76.75	73
TOTAL at Plants		170.00		87.00	

Diversity factor for June 0.91
Losses Factor 1.20
Energy Loss 13%

CENTRAL ITALY - GRID

AREA SERVED & RESPONSIBILITY OF	0600 hours to 2200 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6	KW x 10^3	KWH x 10^6
DISTRICT 1.				
Terni	19.00	7.30	17.00	3.20
Terni Carbide	-	-	10.00	2.00
Perugia & Foligno	4.60	1.90	4.40	.80
Spoleto	3.00	1.20	3.00	.60
Ancona & Adriatic Coast to North exclusive of Fano	6.60	2.50	4.10	.80
Rimini & Adriatic Coast to South inclusive of Fano	1.00	0.40	0.50	.10
Arezzo & District	4.00	1.60	3.20	.60
Siena & District	0.80	0.40	1.00	.20
Orvieto & District	2.00	0.80	1.50	.30
Adriatic South to Pescara	1.00	0.40	1.50	.30
TOTAL DISTRICT 1	40.00	16.50	46.20	8.90
DISTRICT III				
Frosinone		1.00	1.020	.20
Rieti		.50	1.150	.20
Viterbo		.50	1.010	.20
Rome		.40	0.820	.20
Aquila		.40	1.000	.20
TOTAL DISTRICT III	7.00	2.80	5.00	1.00

/P.B.S.....

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CENTRAL ITALY - GRID (Cont'd)

AREA SERVED & RESPONSIBILITY OF	0600 hours to 2200 hours KW x 10^3	0600 hours to 2200 hours KWH x 10^6	2200 hours to 0600 hours KW x 10^3	2200 hours to 0600 hours KWH to 10^6
P.B.S.				
Civitavecchia - Littoria	5.00	2.00	5.50	1.00
5 ARMY				
Florence & District	16.00	6.30	16.00	3.00
R.A.A.C.				
Rome	52.00	20.30	35.00	6.70
M.R.S.				
Railways	10.00	4.00	10.00	2.00
GRAND TOTAL	132.00	51.90	117.70	22.60

CENTRAL ITALY - LEGHORN GRID

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
Leghorn Area	PBS	10.00	6.00
Lucca Area	PBS	5.00	3.00
Piombino	PBS	2.00	1.00
Grosseto	PBS	3.00	2.00
Larderello	PBS	1.00	.50
TOTAL Leghorn Grid		21.00	12.50

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Rome	52.00	20.30	35.00	6.70
M.R.S. Railways	10.00	4.00	10.00	2.00
GRAND TOTAL	132.00	51.90	117.70	22.60

CENTRAL ITALY - LEGHORN GRID

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
Leghorn Area	PBS	10.00	6.00
Lucca Area	PBS	5.00	3.00
Piombino	PBS	2.00	1.00
Grosseto	PBS	3.00	2.00
Lardcrello	PBS	1.00	.50
TOTAL Leghorn Grid		21.00	12.50

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COPY

APPENDIX "B"

Tel.489081
Ext. 317

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

214/PWU.

26 May 45

SUBJECT: Electric Power North Italy.

TO : Secretary, Electric Power Committee
- A.F.L.R. (I) B. -

1. A survey of the electrical power situation in Northern Italy has been made and it is now possible to determine the amount of power available for all services.

2. As the city of Bologna is at present being supplied with 12,000 KW. from Northern Italy, it is recommended that for the present the area of Northern Italy be considered to a line just south of Bologna.

3. In Northern Italy there is approximately 400,000 KWof generating plant out of service due to enemy action or Partisan activities. 50% of this will be back in service within three months. The plant out of service at the present time is approximately 10% of the total capacity in Northern Italy.

4. In view of the fact that the reduction in load in North Italy due to war-damage to factories will for some time be reduced, and also bearing in mind that Northern Italy normally had surplus energy for transmittal to Central Italy, it is considered that ample supply of electricity will be available to meet all services.

5. It is recommended that the Electric Power Committee of the A.F.L.R. (I.) B. take no action in connection with the allocation of electricity in Northern Italy at the present time.

6. You are further advised that every effort is being made to repair the transmission system between North and Central Italy, and arrangements have already been made for a flow of 100,000 KW. to be exported to Central Italy by the end of July, when it is anticipated the transmission system repairs will be completed.

6469

For the Chief Commissioner:

s/ W.H. LAPPER,
t/ W.H. LAPPER,
Lieut-Colonel,
Chief Elect.Div.

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22	Engineer Section, AFHQ
23	Engrs, (B), AFHQ
24/25	Director of Engr. Prodn. & Stores, AFHQ
26	QM, Coal Section, AFHQ
27	REME, AFHQ
28	Fiscal Director, AFHQ
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60	SENALUSNO, Italy
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62	COMNOB, Palermo
63	Chief Commissioner, ALCOM
64	HQ, ALCOM
65	Vice-President, Economic Section
66/71	Economic Section
72/73	Industry Sub-Commission
74/89	Public Works & Utilities Sub-Commission
90	Chairman, Electric Power Committee
91	Chairman, Electrical Reconstruction Committee
92	File
93/130	Spares.

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

ALLIED FORCE LOCAL RESOURCES SECTION
A.F.H.Q.

LRS/215B/

Postal Address :
AFLRS, ROME AREA
ALLIED COMMAND,
C.M.F.

SUBJECT : Electricity Control.

TEL : ROME 66275

TO : CG, 15 Army Group
CG, MTOUSA
GOC, No 1 District
GOC, No 2 District
GOC, No 3 District
CG, Rome Area Allied Command.

30 May, 1945

1. Reference Allied Force Headquarters letter AG 675/055 GDS-O dated 18 OCT 44, subject as above.

2. In accordance with para 3, enclosed herewith is the revised schedule of allocation of electric power for the month of JUNE 1945.

THOMAS R. GIBBON, Colonel, AUS,
Chief of Section (US),
A.F.L.R.S.

W.B.S. SHELDON, Colonel,
Chief of Section (Br),
A.F.L.R.S.

SJBL/gs.

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6467

ALLOCATION OF ELECTRIC POWER - JUNE 1945

SOUTHERN ITALY

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
Apulia Co.	3 District	40.00	19.50
To UNES	3 District	4.00	1.50
Naples District	PBS	41.00	20.50
Campania Co.			
(i) Frattamaggiore	PBS	4.00	2.50
(ii) Pomigliano	3 District	2.00	1.25
(iii) Salerno-Torre-Castelamare	3 District	21.00	11.00
(iv) Benevento	3 District	3.25	1.40
(v) Calore	3 District	1.25	0.70
(vi) Santa Maria	PBS	5.50	2.80
Lucania Co.	3 District	4.50	1.50
Railways, Naples Area	LRS	1.50	1.10
Foggia Benevento	LRS	4.50	1.70
Salerno Torre	LRS	2.00	1.10
TOTAL 150 KV at Sub Stations		134.50	66.55
Calabria 60 KV System.			
(i) Calabria Co.	ALCO	8.50	2.00
(ii) Crotone Plant	ALCO	10.00	6.50
(iii) Railways	LRS	3.00	1.70
TOTAL 60 KV at Sub Stations		21.50	10.20
TOTAL 150 KV & 60 KV		156.00	76.75
TOTAL at Plants		170.00	87.00

Diversity factor for June 0.91
Losses Factor 1.20
Energy Loss 13%

CENTRAL ITALY - GRID

AREA SERVED & RESPONSIBILITY OF	0600 hours to 2200 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6	2200 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6
DISTRICT 1.				
Terni	19.00	7.30	17.00	3.20
Terni Carbide	-	-	10.00	2.00
Perugia & Foligno	4.60	1.90	4.40	.80
Spoleto	3.00	1.20	3.00	.60

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(ii) Tenagliano	3 District	2.00	1.25
(iii) Salerno-Torre-Castelamare	3 District	21.00	11.00
(iv) Benevento	3 District	3.25	1.40
(v) Calore	3 District	1.25	0.70
(vi) Santa Maria	PBS	5.50	2.80
Lucania Co.	3 District	4.50	1.50
Railways, Naples Area	LRS	1.50	1.10
Foggia Benevento	LRS	4.50	1.70
Salerno Torre	LRS	2.00	1.10
TOTAL 150 KV at Sub Stations		134.50	66.55
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TOTAL 150 KV & 60 KV		156.00	76.75
TOTAL at Plants		170.00	87.00

Diversity factor for June 0.91
Losses Factor 1.20
Energy Loss 13%

CENTRAL ITALY - GRID

AREA SERVED & RESPONSIBILITY OF	0600 hours to 2200 hours KW x 10^3	0600 hours to 2200 hours KWH x 10^6	2200 hours to 0600 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6
DISTRICT 1.				
Terni	19.00	7.30	17.00	3.20
Terni Carbide	-	-	10.00	2.00
Perugia & Foligno	4.60	1.90	4.40	.80
Spoleto	3.00	1.20	3.00	.60
Ancona & Adriatic Coast to North exclusive of Fano	6.60	2.50	4.10	.80
Rimini & Adriatic Coast to South inclusive of Fano	1.00	0.40	0.50	.10
Arezzo & District	4.00	1.60	3.20	.60
Siena & District	0.80	0.40	1.00	.20
Orvieto & District	2.00	0.80	1.50	.30
Adriatic South to Pescara	1.00	0.40	1.50	.30
TOTAL DISTRICT 1	40.00	16.50	46.20	8.90
DISTRICT III				
Frosinone		1.00	1.020	.20
Rieti		.50	1.150	.20
Viterbo		.50	1.010	.20
Rome		.40	0.820	.20
Acquila		.40	1.000	.20
TOTAL DISTRICT III	7.00	2.80	5.00	1.00

/P.B.S.....

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CENTRAL ITALY - GRID (Cont'd)

AREA SERVED & RESPONSIBILITY OF	0600 hours to 2200 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6	KW x 10^3	KWH to 10^6
P.B.S. Civitavecchia - Littoria	5.00	2.00	5.50	1.00
5 ARMY Florence & District	16.00	6.30	16.00	3.00
R.A.A.C. Rome	52.00	20.30	35.00	6.70
M.R.S. Railways	10.00	4.00	10.00	2.00
GRAND TOTAL	132.00	51.90	117.70	22.60

CENTRAL ITALY - LEGHORN GRID

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
Leghorn Area	PBS	10.00	6.00
Lucca Area	PBS	5.00	3.00
Piombino	PBS	2.00	1.00
Grosseto	PBS	3.00	2.00
Larderello	PBS	1.00	.50
TOTAL Leghorn Grid		21.00	12.50

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1896

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June 1943

8

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

Date of next meeting

BIDS FOR ELECTRIC POWER FOR THE MONTH OF JUNE 1945
Southern Italy

Area Served	Responsibility of	Permissible 15 minute peak demand KW x 10^3			Permissible	
		May Allocation	June Bid	June Allocation	May Allocation	J
Apulia Co.	3 District	40.00	40.00		20.50	1
To Unes	3 District	4.00	4.00		1.75	
Naples District	P.B.S.	40.00	40.00		20.00	2
Campania Co.						
(i) Frattamaggiore	P.B.S.	-	4.00		-	
(ii) Pomigliano	3 District	4.00	2.00		2.50	
(iii) Salerno-Torre-Cast:	3 District	21.00	21.00		11.00	1
(iv) Benevento	3 District	3.25	3.25		1.40	
(v) Calore	3 District	1.25	1.25		0.70	
(vi) Santa Maria	P.B.S.	5.50	5.50		5.50	
Lucania Co.	3 District	4.00	4.50		1.50	
Railways, Naples Area	M.R.S.	1.50	1.50		1.10	
Foggia Benevento	M.R.S.	4.50	4.50		1.70	
Salerno Torre	M.R.S.	2.00	2.00		1.10	
TOTAL 150 KV at Sub Stations		131.00	133.50		66.05	6
Calabria 60 KV System.						
(i) Calabria Co	ALCOM	8.50	8.50		2.00	
(ii) Crotone Plant	ALCOM	9.00	10.00		5.80	
(iii) Railways	M.R.S.	3.00	3.00		1.70	
TOTAL 60 KV at Sub Stations		20.50	21.50		9.50	1
TOTAL 150 KV & 60 KV		151.50	155.00		75.55	7
TOTAL at Plants		168.00	169.00		87.00	8

C9479

Diversity factor for May 0.91
Losses Factor 1.20
Energy Loss 13%.

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

Date of next meeting 23. June 1945

BIDS FOR ELECTRIC POWER FOR THE MONTH OF JUNE 1945
Southern Italy

e r v e d	Responsibility of	Permissible 15 minute peak demand KW x 10^3			Permissible energy KWH x 10^6		
		May Allocation	June Bid	June Allocation	May Allocation	June Bid	June Allocation
	3 District	40.00	40.00		20.50	19.50	
	3 District	4.00	4.00		1.75	1.50	
	P.B.S.	40.00	40.00		20.00	20.00	
iore	P.B.S.	-	4.00		-	2.50	
	3 District	4.00	2.00		2.50	1.25	
rre-Cast:	3 District	21.00	21.00		11.00	11.00	
	3 District	3.25	3.25		1.40	1.40	
	3 District	1.25	1.25		0.70	0.70	
	P.B.S.	5.50	5.50		5.50	2.80	
	3 District	4.00	4.50		1.50	1.50	
irea	M.R.S.	1.50	1.50		1.10	1.10	
Benevento	M.R.S.	4.50	4.50		1.70	1.70	
Torre	M.R.S.	2.00	2.00		1.10	1.10	
b Stations		131.00	133.50		66.05	66.05	
tem.							
	ALCOM	8.50	8.50		2.00	2.00	
nt	ALCOM	9.00	10.00		5.80	6.50	
	M.R.S.	3.00	3.00		1.70	1.70	
Stations		20.50	21.50		9.50	10.20	
KV		151.50	155.00		75.55	76.25	
		168.00	169.00		87.00	87.00	

G939

Diversity factor for May 0.91
Losses Factor 1.20
Energy Loss 13%.

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

BIDS FOR ELECTRIC POWER FOR THE MONTH OF JUNE 1945
CENTRAL ITALY - GRID

Area Served	Responsibility of	0600 - 2200 hours						22	
		KW x 10^3			KWH x 10^6			KW x 10	
		Allocated for MAY	Bid for JUNE	Allocated for JUNE	Allocated for MAY	Bid for JUNE	Allocated for JUNE	Allocated for MAY	Bid for JUN
Terni	1 District	19.00	19.00			7.30			17.0
Terni Carbide	"	-	-		-	-			10.0
Perugia & Foligno	"	4.60	5.00			1.90			4.4
Spoleto	"	3.00	3.50			1.30			3.0
Ancona & Adriatic Coast to North exclusive of Fano	"	6.60	6.60			2.50			4.1
Rimini & Adriatic Coast to South inclusive of Fano	"	1.00	1.00			.40			0.5
Arezzo & District	"	4.00	4.50			1.70			3.2
Siena & District	"	.80	1.10			.40			1.0
Orvieto & District	"	2.00	2.00			.80			1.5
Adriatic South to Pescara	"	1.00	1.50			.60			1.5
		42.00	44.20		16.50	16.90		46.00	46.2
Frosinone	3 District		2.375			.90			1.0
Rieti	"		1.320			.50			1.1
Viterbo	"		1.285			.50			1.0
Rome	"		1.060			.40			0.8
Acquila	"		0.960			.40			1.0
		7.00	7.00		2.80	2.70		5.00	5.0
Civitavecchia - Littoria	P.E.S.	5.00	5.50		2.00	3.00		5.00	5.5
Florence & District	5 Army	16.00	16.00		6.30	6.30		16.00	16.0
Rome	R.A.I.C.	52.00	52.00		20.30	20.30		30.00	35.0
Railways	M.R.S.	10.00	10.00		4.00	4.00		10.00	10.0
TOTAL		132.00	134.70		51.90	53.20		112.00	117.7

7970

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BIDS FOR ELECTRIC POWER FOR THE MONTH OF JUNE 1945
CENTRAL ITALY - GRID

Responsibility of	0600 - 2200 hours						2200 - 0600 hours					
	KW x 10^3			KWH x 10^6			KW x 10^3			KWH x 10^6		
	Allocated for MAY	Bid for JUNE	Allocated for JUNE	Allocated for MAY	Bid for JUNE	Allocated for JUNE	Allocated for MAY	Bid for JUNE	Allocated for JUNE	Allocated for MAY	Bid for JUNE	Allocated for JUNE
District	19.00	19.00			7.30			17.00			3.20	
"	-	-		-	-			10.00			2.00	
"	4.60	5.00			1.90			4.40			.80	
"	3.00	3.50			1.30			3.00			.60	
"	6.60	6.60			2.50			4.10			.80	
"	1.00	1.00			.40			0.50			.10	
"	4.00	4.50			1.70			3.20			.60	
"	.80	1.10			.40			1.00			.20	
"	2.00	2.00			.80			1.50			.30	
"	1.00	1.50			.60			1.50			.30	
	42.00	44.20		16.50	16.90		46.00	46.20		8.90	8.90	
District		2.375			.90			1.020			.20	
"		1.320			.50			1.150			.20	
"		1.285			.50			1.010			.20	
"		1.060			.40			0.820			.20	
"		0.960			.40			1.000			.20	
	7.00	7.00		2.80	2.70		5.00	5.00		1.00	1.00	
P.E.S.	5.00	5.50		2.00	3.00		5.00	5.50		1.00	1.00	
5 Army	16.00	16.00		6.30	6.30		16.00	16.00		3.00	3.00	
A.A.C.	52.00	52.00		20.30	20.30		30.00	35.00		5.70	6.70	
M.R.S.	10.00	10.00		4.00	4.00		10.00	10.00		2.00	2.00	
	132.00	134.70		51.90	53.20		112.00	117.70		21.60	22.60	

9796

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BIDS FOR ELECTRIC POWER FOR THE MONTH OF JU

LEGHORN GRID

Area Served	Responsibility of	Permissible 15 Minute peak KW x 10^3			
		May Allocation	June Bid	June Allocation	Al
Leghorn Area	P.B.S.	8.50	10.00		
Lucca Area	"	2.00	5.00		
Piombino	"	1.00	2.00		
Grosseto	"	2.00	3.00		
Lerderello	"	1.00	1.00		
		14.50	21.00		

6963

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BIDS FOR ELECTRIC POWER FOR THE MONTH OF JUNE 1945

LEGHORN GRID

Responsibility of	Permissible 15 Minute peak KW x 10^3			Permissible energy KWH x 10^6		
	May Allocation	June Bid	June Allocation	May Allocation	June Bid	June Allocation
P.B.S.	8.50	10.00		5.10	6.00	
"	2.00	5.00		2.00	3.00	
"	1.00	2.00		0.60	1.00	
"	2.00	3.00		1.20	2.00	
"	1.00	1.00		0.60	.50	
	14.50	21.00		9.50	12.50	

6763

27-4-1945

Al momento fanno parte dell'Ispettorato Generale Elettricità Acque e Gas oltre gli Ingegneri distaccati presso la A.C. (Prof.Ing.ASTA ed Ing.BORSARI) i seguenti:

- Prof.Ing.SENSIDONI = Piani tecnici e centrali.
- Ing.FERRARA = Centrali.
- Ing.ROTA = Esercizio.
- Ing.MELE = Approvvigionamenti.
- Ing.PALMIERI = Finanziamenti.
- Ing.UNGARO = Tariffe e Gas.
- Ing.DELLA TORRE = Studi idraulici.
- Prof.Ing.FROSINI = Acquedotti.

L'ISPETTORE GENERALE
(Marco Visentini)
M. Visentini

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(Prof.Ing.ASTA ed Ing.BORSARI) i seguenti:

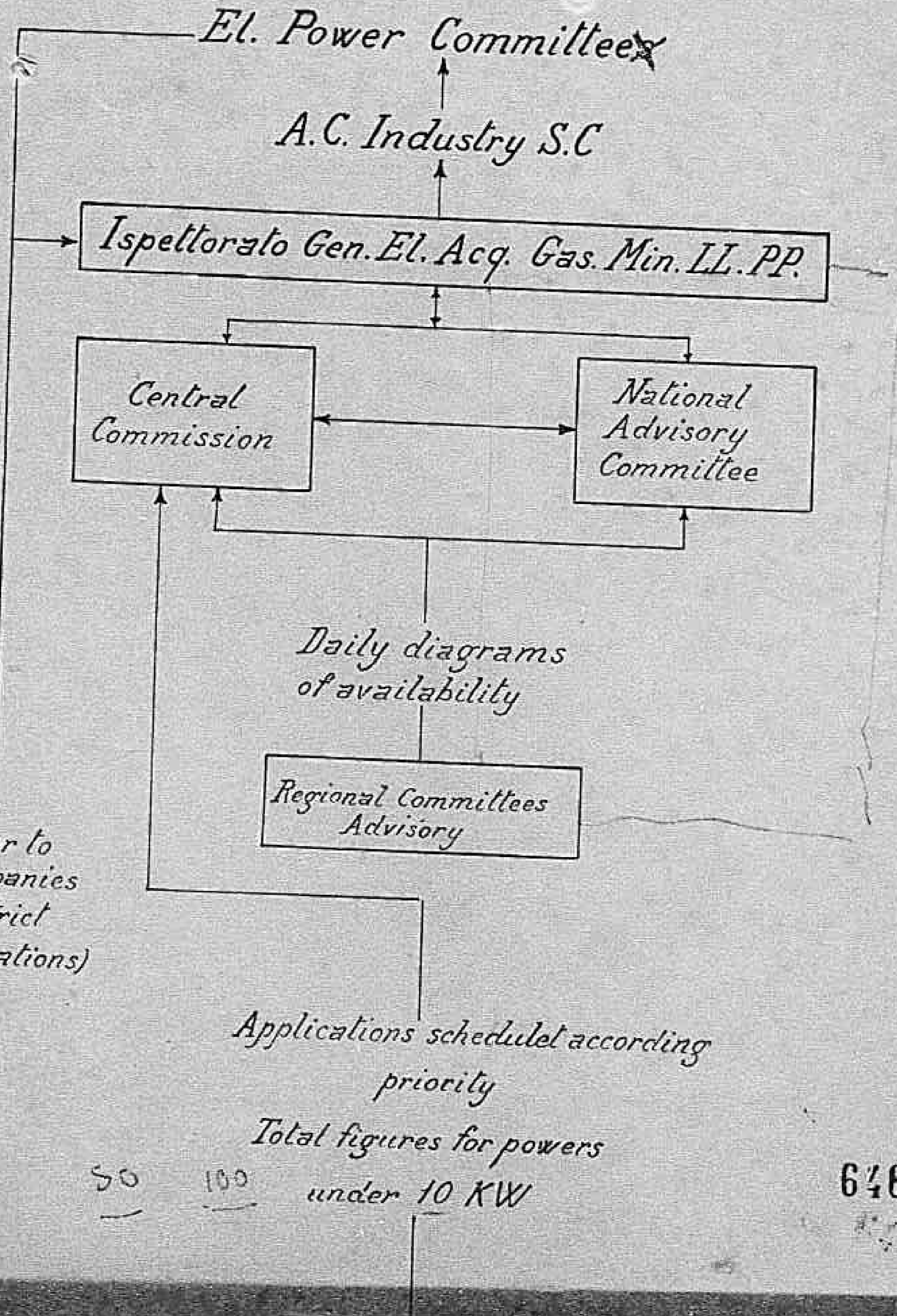
- Prof.Ing.SENSIDONI = Piani tecnici e centrali.
- Ing.FERRARA = Centrali.
- Ing.ROTA = Esercizio.
- Ing.MELE = Approvvigionamenti.
- Ing.PALMIERI = Finanziamenti.
- Ing.UNGARO = Tariffe e Gas.
- Ing.DELLA TORRE = Studi idraulici.
- Prof.Ing.FROSINI = Acquedotti.

L'ISPETTORE GENERALE
(Marco Visentini)

M. Visentini

6462

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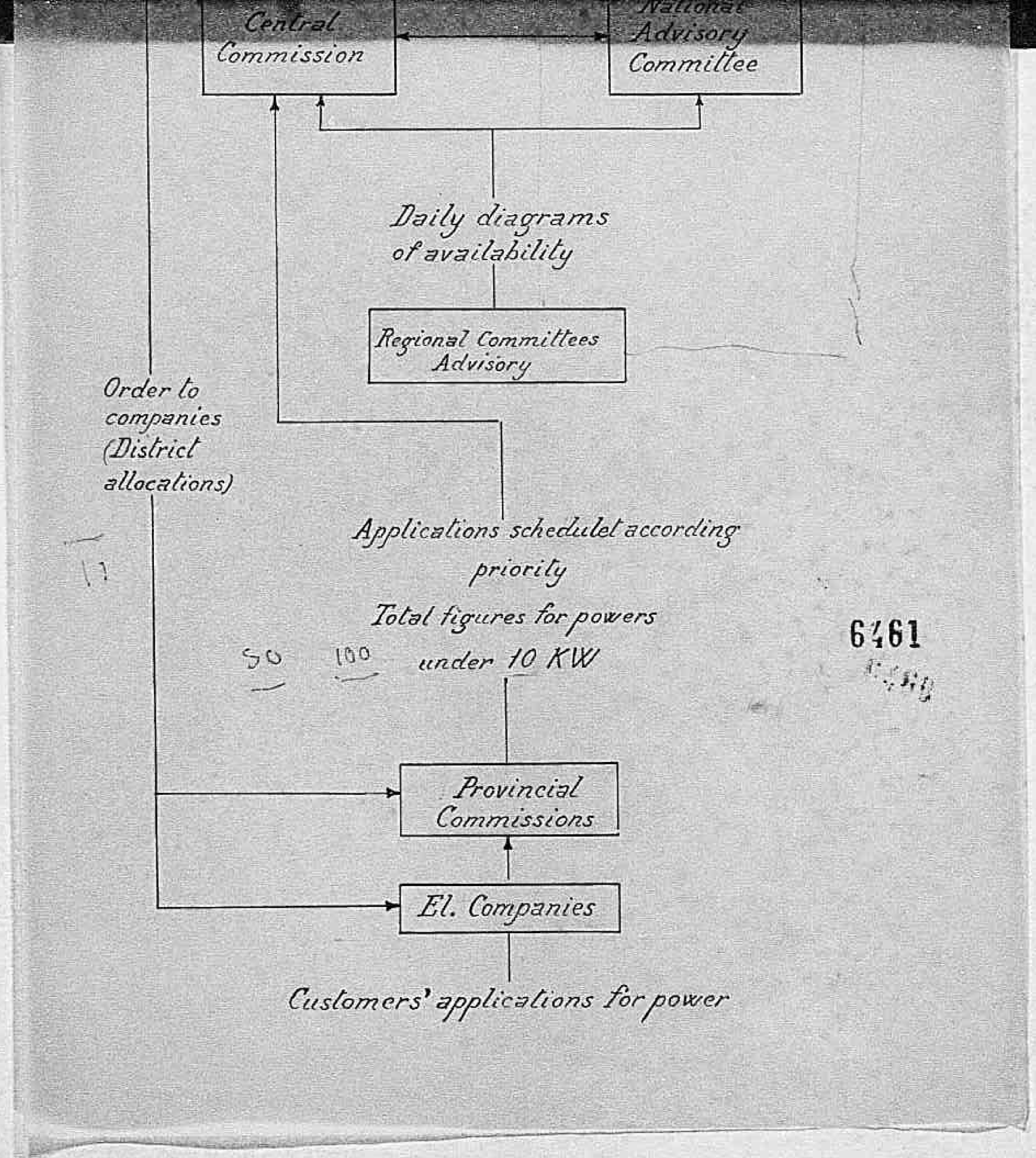


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6461

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Schema di ordinamento dei servizi elettricità acqua e gas presso il [illegible]

6480

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...o dei servizi elettricità acqua e gas presso il Ministero LL.PP.

6460

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D r a f t

Subject: Coordination and supervision on electrical, water and gas plants rehabilitation operation and development.

1. In view of the with/drawal of A.C. regional Engineers from Sicily, Sardinia, Southern Italy and some regions of Central Italy, arrangements were made for the "Ispettorato Generale" for Electricity, Water and Gas of the Ministry of P.W. might take actions relating to coordination and supervision of rehabilitation operation and development of electrical plants, aqueducs, and gas plant, which were preceedingly taken by the A.C.

2. The scheme of a decree giving to the Ministry of P.W. any power necessary to provide coordination and supervision on rehabilitation, operation and development of electrical water and gas plants was agreed by the A.C. HQ.

   Discussions were also carried out on the english and american organisation about this matter and agreements were taken on the details of organisation and constitution of the "Ispettorato Generale".

3. Advisory Committees on Electric Power, in which Electric Companies and "Ispettorato Generale" for Electricity, Water and Gas are represented were formed, in order that a more intimate collaboration might be stabilished beetween Companies and Government organisation and an efficient help might be given by the latter to the formers in carrying out their rehabilitation and operation programs.

   Sich Committees are now satisfactorily operating in Sicily, Sardinia, Southern Italy, Central Italy. A similar Committee is thought to be usefully started in Northern Italy as soon as this region will be liberated; a National Advisory Committee is thought to be formed soon after.

4. As the mentioned withdrawal of A.C. regional Engineers is now taking place, any delay in starting the action of the "Ispettorato Generale" might stop rehabilitation works

6459 ./.

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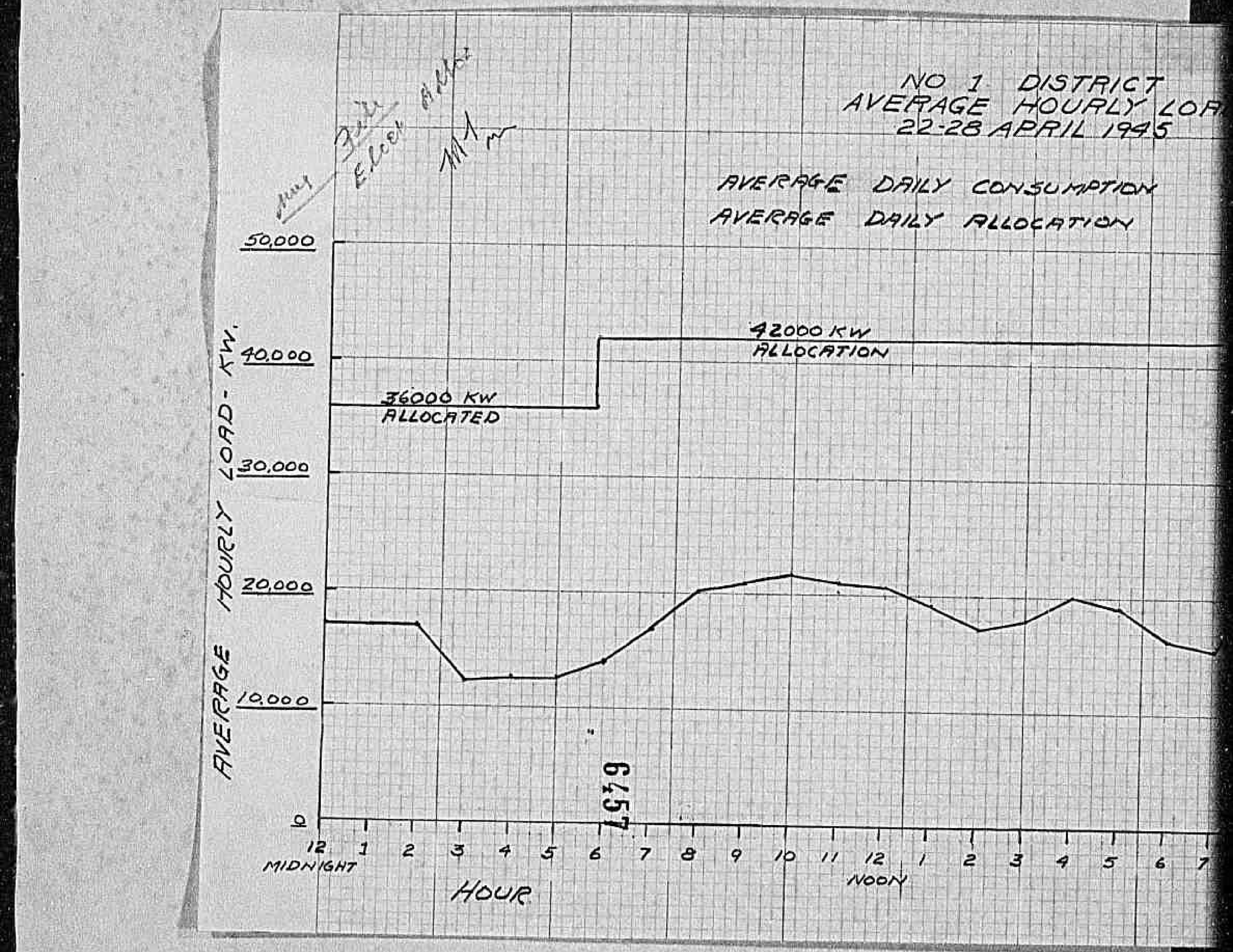
and hamper operation of electric plants. This would be particularly dangerous in this moment in which the maximum power is to be rendered available to supply Northern Italy liberated districts.

5. Therefore it is thought to be necessary that the Italian Government may legally establish the "Ispettorato Generale" for Electricity, Water and Gas approving the mentioned decree, and quickly start its operation.

6. As it is thought that the "Ispettorato Generale" wants to have the best engineers and technicians in Italy to be able to carry out successfully the supervision on electrical, water and gas plants, the Italian Government is also recommended to give particular attention to the problem of economic conditions of the "Ispettorato Generale" Staff.

6458

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NO 1 DISTRICT
AVERAGE HOURLY LOAD.
22-28 APRIL 1945

AVERAGE DAILY CONSUMPTION 436,200 KW-HR.

AVERAGE DAILY ALLOCATION 780,000 KW-HR.



Copy No 47

ALLIED FORCE LOCAL RESOURCES SECTION
A.F.H.Q.

Postal Address:
AFLRS, (R&C), APO 512.

Telephone: ROME 66275.

17 April 1945.

LRS/215A

ALLIED FORCE LOCAL RESOURCES (ITALIAN) BOARD

ELECTRIC POWER COMMITTEE - MINUTES

51. The eighteenth meeting of the Electric Power Committee was held at 0930 hours on Tuesday, 17 APRIL 1945, in the AFLRS (AFHQ) Conference Room, ROME.

PRESENT:

Chairman
Colonel R. M. EDGAR, Engineer Section, AFHQ.

Representatives of:

D.W., AFHQ
D.M.R., ITALY
HQ, No.1 District
HQ, No.2 District
HQ, No.3 District
CG, Rome Area Allied Command
CG, P.B.S.
HQ, ALCOM
Electrical Reconstruction Committee

In Attendance:

Chiefs of Section, AFLRS, AFHQ

52. MINUTES OF PREVIOUS MEETING:

The minutes of the previous meeting held 20 MARCH 1945 were approved.

53. MINUTES OF BOARD MEETING:

No matters arose for discussion from the meeting of the Board held on 7 APRIL 1945.

6456

54. ALLOCATION OF POWER - MAY:

A report was received from HQ, ALCOM on the amount of power available in Central and Southern ITALY. Demands from Base Sections, Districts, etc. were received and allocations were made as per Appendix "A" attached.

55. ITALIAN ELECTRICITY SITUATION:

HQ, ALCOM reported that the second of the large generating units

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PRESENT:

Chairman
Colonel R. M. EDGAR, Engineer Section, AFHQ.

Representatives of:

D.W., AFHQ
D.M.R., ITALY
HQ, No.1 District
HQ, No.2 District
HQ, No.3 District
CG, Rome Area Allied Command
CG, P.B.S.
HQ, ALCOM
Electrical Reconstruction Committee

In attendance:

Chiefs of Section, AFLnS, AFHQ

52. MINUTES OF PREVIOUS MEETING:

The minutes of the previous meeting held 20 MARCH 1945 were approved.

53. MINUTES OF BOARD MEETING:

No matters arose for discussion from the meeting of the Board held on 7 APRIL 1945.

6456

54. ALLOCATION OF POWER - MAY:

A report was received from HQ, ALCOM on the amount of power available in Central and Southern ITALY. Demands from Base Sections, Districts, etc. were received and allocations were made as per Appendix "A" attached.

55. ITALIAN ELECTRICITY SITUATION:

a. HQ, ALCOM reported that the second of the large generating units at the Galleto Power Station, Terni came into operation on the 10th April 1945. The increased allocations agreed at the last meeting of the Committee became effective as from the same date. (Appendix "A" to Minutes of Meeting of 20 March 1945 refers).

b. The Livorno Grid will be connected to the Central Italy Grid as from 1st May 1945. This will complete the inter connected grid system in Central Italy, which will be controlled from the Rome Master Control Center.

c. HQ, ALCOM reported that the abnormally dry season is showing signs of reducing the generating capacity in Southern and Central Italy. The present capacity will be maintained but subsequently reactivated capacity may not be fully available during the critical summer months.

d. It was recommended to the Board that the attention of all Services and ALCOM, operating factories utilizing electric power, be drawn to the increased production which could be attained if the maximum availability of power could be

/used.....

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used between 2200 hours and 0600 hours daily. Potential electric power is at present being wasted during the night hours due to the non-utilization of the stream flow.

56. ELECTRICITY SUPPLY FOR IRRIGATION PURPOSES:

The figures of the estimated requirements of electric power for irrigation purposes in liberated Italy throughout the summer season were received.

The only compartimenti on the Central Italy Grid requiring an allocation during May were Marche, Abruzzi and Molise and an additional night allocation of 2,000 KW was made to No. 1 District to meet this demand.

It was stated that on the Southern Italy system sufficient power was available, within the allocations authorized, to meet the irrigation demands.

57. NEXT MEETING:

The next meeting of the Committee will be held at 0930 hours on Tuesday, 22 MAY 1945, in the AFHQ (AFHQ) Conference Room, RCME.

S. J. B. LOUDEN, Major, DCMG,
Secretary,
A. F. L. R. (ITALIAN) BOARD.

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5	A/CaO	74/75	HQ, 214 Group, RAF
6/13	G-4 (A), AFHQ	76	F.A., RAF
14	G-4 (B), AFHQ (For DCMG)	77/78	HQ 1 District
15/16	G-4 (B), AFHQ (Spares)	79	CE 1 District
17/18	G-5, AFHQ	80	HQ 2 District
19	QM, Coal Section, AFHQ	81	CE 2 District
20	Q(Maint), AFHQ	82/83	HQ 3 District
21	Q(AE), AFHQ	84	CE 3 District
22	Engr. AFHQ	85/89	CG, RAAC
23	DCE, AFHQ	90	G-4, 5th Army Rear
24	MGRE, AFHQ	91/93	CE, PBS
25	S & T, AFHQ	94/95	BPA, PBS
26	REME, AFHQ	96	BPA, PBS South
27/28	MRS, Italy	97/98	HQ, Adriatic Base Co
29	Fiscal Director, AFHQ		

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

57. NEXT MEETING:

The next meeting of the Committee will be held at 0930 hours on Tuesday, 22 MAY 1945, in the AFLRS (AFHQ) Conference Room, RCME.

S. J. B. LOUDEN, Major, DAMG,
Secretary,
A. F. L. R. (ITALIAN) BOARD.

DISTRIBUTION

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5	A/CAO	74/75	HQ, 214 Group, RAF
6/13	G-4 (A), AFHQ	76	F.A., RAF
14	G-4 (B), AFHQ (For DAMG)	77/78	HQ 1 District
15/16	G-4 (B), AFHQ (Spares)	79	CE 1 District
17/18	G-5, AFHQ	80	HQ 2 District
19	QM, Coal Section, AFHQ	81	CE 2 District
20	Q(Maint), AFHQ	82/83	HQ 3 District
21	Q(AE), AFHQ	84	CE 3 District
22	Engr. AFHQ	85/89	CG, RAAC
23	DCE, AFHQ	90	G-4, 5th Army Rear
24	MGRE, AFHQ	91/93	CE, PBS
25	S & T, AFHQ	94/95	BPA, PBS
26	REME, AFHQ	96	BPA, PBS South
27/28	MRS, Italy	97/98	HQ, Adriatic Base Command
29	Fiscal Director, AFHQ	99	Electrical Reconstruction Committee
30	F.A., AFHQ	100	Chairman, Electric Power Committee
31	Tn. Increment, CMF	101	AFLRS, Tuscany Region
32	CG, MTOUSA	102	AFLRS, Naples Area
33	GPA, MTOUSA	103	AFLRS, (S.E.) Area
34/35	Director of Eng. Prod. & Stores, AFHQ	104	AFLRS, Sicilian Area
36	HQ, ALCOM	105	AFLRS, c/o G-4 5th Army Rear
37	Vice-President, Economic Section, ALCOM	106	AFLRS, PBS Area
38/43	Economic Section, ALCOM	107	AFLRS, Eighth Army
44/45	Industry Sub-Commission, ALCOM	108	AFLRS, c/o APO Ravenna
45/60	Public Works & Utilities Sub-Commission, ALCOM	109	AFLRS, c/o HQ 1 District
61	C.S., TARANTO	110	RN (FONAM)
62/64	Comdr. U.S. EIGHTH Fleet	111	RN (FOTALI)
65	SENALUSNO, ITALY	112	File
66	COMNOB, Palermo	113/130	Spares
67	Co. Nav. Det. Naples		

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APPENDIX "A"

ALLOCATION OF ELECTRIC POWER - MAY 1945.

SOUTHERN ITALY

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
APULIA CO.			
To UNES	3 DISTRICT	40.00	20.50
NAPLES DISTRICT	3 DISTRICT	4.00	1.75
CAMPANIA CO.	PBS	40.00	20.00
(i) Pomigliano	3 DISTRICT	4.00	2.50
(ii) Salerno-Torre-Castelamare	3 DISTRICT	21.00	11.00
(iii) Benevento	3 DISTRICT	3.25	1.40
(iv) Calore	3 DISTRICT	1.25	0.70
(v) Santa Maria	PBS	5.50	2.80
LUCANIA CO.	3 DISTRICT	4.00	1.50
		123.00	62.15
CALABRIA 60 KV SYSTEM			
(i) Calabria Co.	ALCOM	8.50	2.00
(ii) Crotone Plant	ALCCH	9.00	5.80
		17.50	7.80
RAILWAYS, NAPLES AREA	IMRS	1.50	1.10
" FOGGIA-BENEVENTO	IMRS	4.50	1.70
" SALERNO-TORRE	IMRS	2.00	1.10
TOTAL Railway load on 150 KV System		8.00	3.90
RAILWAYS, CALABRIA on 60 KV System	IMRS	3.00	1.70
TOTAL 150 KV at Sub-Stations		131.00	66.05
TOTAL 60 KV at Sub-Stations		20.50	9.50
TOTAL 150 KV and 60 KV		151.50	75.55
TOTAL at Plants		168.00	87.00

NOTES: Diversity factor for May - 0.92
Losses factor for May - 1.21
Energy Loss - 17%

CENTRAL ITALY - GRID

AREA SERVED & RESPONSIBILITY OF:	0600 hours to 2200 hours KW x 10^3	0600 hours to 2200 hours KWH x 10^6	2200 hours to 0600 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6
DISTRICT I (including irrigation)	42.00 +	16.50	36.00	6.90
DISTRICT III	7.00	2.80	5.00	1.00
5th ARMY	16.00	6.30	16.00	3.00

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(v) Santa Maria	PBS	5.50	2.80
LUCANIA CO.	3 DISTRICT	4.00	1.50
		123.00	62.15
CALABRIA 60 KV SYSTEM			
(i) Calabria Co.	ALCOM	8.50	2.00
(ii) Crotone Plant	ALCOM	9.00	5.80
		17.50	7.80
RAILWAYS, NAPLES AREA	AMRS	1.50	1.10
" FOGGIA-BENEVENTO	AMRS	4.50	1.70
" SALERNO-TORRE	AMRS	2.00	1.10
TOTAL Railway load on 150 KV System		8.00	3.90
RAILWAYS, CALABRIA on 60 KV System	AMRS	3.00	1.70
TOTAL 150 KV at Sub-Stations		131.00	66.05
TOTAL 60 KV at Sub-Stations		20.50	9.50
TOTAL 150 KV and 60 KV		151.50	75.55
TOTAL at Plants		168.00	87.00

NOTES: Diversity factor for May - 0.92
Losses factor for May - 1.21
Energy Loss - 13%

CENTRAL ITALY - GRID

6455

AREA SERVED & RESPONSIBILITY OF:	0600 hours to 2200 hours KW x 10^3	0600 hours to 2200 hours KWH x 10^6	2200 hours to 0600 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6
DISTRICT I (including irrigation)	42.00 +	16.50	36.00	6.90
DISTRICT III	7.00	2.80	5.00	1.00
5th ARMY	16.00	6.30	16.00	3.00
R.A.A.C.	52.00	20.30	30.00	5.70
M.R.S.	10.00	4.00	10.00	2.00
Terni Carbide (ALCOM)	-	-	10.00	2.00
P.B.S.	19.50	11.50	5.00	1.00
TOTAL	146.50	61.40	112.00	21.60

+ This figure includes 8.00 KW x 10^3 which is earmarked for BOLOGNA and will be withdrawn from DISTRICT I when required there. 5th Army representative undertook to notify AFLRS as soon as the date is known by which the transmission lines to BOLOGNA are able to carry the load and the power is required to be made available.

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COPY NO: 45

ALLIED FORCE LOCAL RESOURCES SECTION
A.F.H.Q.

LRS/215A.

Postal Address :
AFLRS, Rome Area
Allied Command,
C.M.F.
TEL : ROME 66275

20 March 1945.

ALLIED FORCE LOCAL RESOURCES (ITALIAN) BOARD

ELECTRIC POWER COMMITTEE - MINUTES

42. The seventeenth meeting of the Electric Power Committee was held at 0930 hours on Tuesday, 20 March 1945, in the AFLRS (AFHQ) Conference Room, ROME.

PRESENT:

Chairman

Colonel R. M. EDGAR, Engineer Section, AFHQ

Representatives of:

HQ, A.C.
DMR, ITALY
HQ, No.1 District
HQ, NO.2 District
HQ, No.3 District
CG, ROME Area Allied Command
CG, P.B.S.
Electrical Reconstruction Committee

In Attendance:

Chiefs of Section, AFLRS, AFHQ
Representative of D.W., AFHQ

43. MINUTES OF PREVIOUS MEETING:

The Minutes of the previous meeting held on 20 February 45 were approved.

44. MINUTES OF BOARD MEETING:

No matters arose for discussion from the meeting of the Board held on 3 March 45.

6454

45. ALLOCATION OF POWER - APRIL:

A report was received from HQ AC on the amount of power available in Central and Southern ITALY. Demands from Base Sections, Districts, etc., were received and allocations were made as per Appendix "A" attached.

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

42. The seventeenth meeting of the Electric Power Committee was held at 0930 hours on Tuesday, 20 March 1945, in the AFLRS (AFHQ) Conference Room, ROME.

PRESENT:

Chairman

Colonel R. M. EDGAR, Engineer Section, AFHQ

Representatives of:

HQ, A.C.
DMR, ITALY
HQ, No.1 District
HQ, NO.2 District
HQ, No.3 District
CG, ROME Area Allied Command
CG, P.B.S.
Electrical Reconstruction Committee

In Attendance:

Chiefs of Section, AFLRS, AFHQ
Representative of D.W., AFHQ

43. MINUTES OF PREVIOUS MEETING:

The Minutes of the previous meeting held on 20 February 45 were approved.

44. MINUTES OF BOARD MEETING:

No matters arose for discussion from the meeting of the Board held on 3 March 45.

6454

45. ALLOCATION OF POWER - APRIL:

A report was received from HQ AC on the amount of power available in Central and Southern ITALY. Demands from Base Sections, Districts, etc., were received and allocations were made as per Appendix "A" attached.

46. ITALIAN ELECTRICITY SITUATION:

A report was received from the Electrical Reconstruction Committee (ITALY) on the Italian electricity situation for the month of APRIL and is attached at Appendix "B".

47. ELECTRICITY SUPPLY FOR IRRIGATION PURPOSES:

It was not found possible to decide on a general policy for dealing with demands for power for irrigation purposes in the absence of details of their extent. On submission of such details the Committee would consider the problem.

48. CIVILIAN DEMANDS FOR POWER IN ITALIAN GOVERNMENT TERRITORY:

A draft procedure submitted by HQ AC regarding the submission of civilian demands for electric power in Italian Government territory was received by the Committee and is attached at Appendix "C" for the information of all members.

/EMBERSHIP.....

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

49. MEMBERSHIP:

It was recommended to the Board that D.W., AFHQ, or his representative, be elected to membership of the Committee.

50. NEXT MEETING:

The next meeting of the Committee will be held at 0930 hours on Tuesday, 17 April 1945, in the AFLRS (AFHQ) Conference Room, ROME.

S. J. B. LOUDEN, Major, DAQMG,
Secretary,
A.F.L.R. (ITALIAN) BOARD.

SJBL/dght

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14	G-4 (B), AFHQ (For DQMG)	66/69	AAFSC/MTO
15/16	G-4 (B), AFHQ (Spares)	70/71	HQ 214 Group, RAF
17/18	G-5, AFHQ	72	F.A., RAF
19	QM, Coal Section, AFHQ	73/74	HQ 1 District
20	Q(Maint), AFHQ	75	CE 1 District
21	CE, AFHQ	76	HQ 2 District
22	DCE, AFHQ	77	CE 2 District
23	MGRE, AFHQ	78	HQ 3 District
24	DST, AFHQ	79	CE 3 District
25	DME, AFHQ	80/84	CG, RAC
26/27	DMR, ITALY	85/87	CE, PBS
28	Fiscal Director, AFHQ	88/89	BPA, PENBASE
29	F.A., AFHQ	90	BPA, PENBASE South
30	Tn. Increment, CMF	91/92	HQ, Adriatic Depot
31	CG, MTOUSA	93	Electrical Reconstruction Ctee.
32	GPA, MTOUSA	94	Chairman, Electric Power Committee.
33	Director of Engineer Production & Stores, AFHQ	95/100	AFLRS AFHQ (Adv Ech).
34	HQ, AC	101	AFLRS NAPLES Area
35	Vice-President, Economic Section, AC	102	AFLRS (S.E.) Area
36/41	Economic Section, AC	103	AFLRS SICILIAN Area
42/43	Industry Sub-Commission,	104	AFLRS LEGHORN Area
		105	AFLRS AFHQ (CASERTA)

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

SJBL/dght

S. J. B. LOCKE, Major, R.E.,
Secretary,
A.F.L.R. (ITALIAN) BOARD.

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6/13	G-4 (A), AFHQ	65	NAAF (B)
14	G-4 (B), AFHQ (For DQMG)	66/69	AAFSC/MTO
15/16	G-4 (B), AFHQ (Spares)	70/71	HQ 214 Group, RAF
17/18	G-5, AFHQ	72	F.A., RAF
19	QM, Coal Section, AFHQ	73/74	HQ 1 District
20	Q(Maint), AFHQ	75	CE 1 District
21	CE, AFHQ	76	HQ 2 District
22	DCE, AFHQ	77	CE 2 District
23	MGRE, AFHQ	78	HQ 3 District
24	DST, AFHQ	79	CE 3 District
25	DME, AFHQ	80/84	CC, RAMC
26/27	DMR, ITALY	85/87	CE, PBS
28	Fiscal Director, AFHQ	88/89	BPA, PETRASE
29	F.A., AFHQ	90	BPA, PETRASE South
30	Tn. Increment, CMF	91/92	HQ, Adriatic Depot
31	CG, MTOUSA	93	Electrical Reconstruction Ctee.
32	GPA., MTOUSA	94	Chairman, Electric Power Committee.
33	Director of Engineer Production & Stores, AFHQ	95/100	AFLRS ANNT (Adv Ech).
34	HQ, AC	101	AFLRS NAPLES Area
35	Vice-President, Economic Section, AC	102	AFLRS (S.E.) Area
36/41	Economic Section, AC	103	AFLRS SICILIAN Area
42/43	Industry Sub-Commission, AC	104	AFLRS LEGHORN Area
44/58	Public Works & Utilities Sub-Commission, AC	105	AFLRS AFHQ (CASERTA)
		106	R.N. (FONAF)
		107	R.N. (FOTMLI)
		108/111	War Diary
		112	File
		113/130	Spares

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

April 1945

APPENDIX "A"

SOUTHERN ITALY

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
APULIA CO			
To UNES	3 DISTRICT	40.00	20.50
NAPLES DISTRICT	3 DISTRICT	4.00	2.50
CAMPANIA CO.	PBS	40.00	21.50
(i) Pomigliano	3 DISTRICT	4.00	2.50
(ii) Salerno-Torre-Castelamare	3 DISTRICT	20.00	12.00
(iii) Benevento	3 DISTRICT	3.00	1.70
(iv) Calore	3 DISTRICT	1.50	1.10
(v) Santa Maria	PBS	5.50	2.80
LUCANIA CO.	3 DISTRICT	5.00	1.80
		123.00	66.40
CALABRIA 60 KV SYSTEM			
(i) Calabria Co.	AC	9.50	3.20
(ii) Crotone Plant	AC	9.00	5.80
		18.50	9.00
RAILWAYS, NAPLES AREA	DGMRS	1.50	1.10
" FOGGIA-BENEVENTO	DGMRS	4.50	1.70
" SALERNO-TORRE	DGMRS	2.00	1.10
TOTAL Railway load on 150 KV System		8.00	3.90
RAILWAYS, CALABRIA on 60 KV System	DGMRS	3.00	1.70
TOTAL 150 KV at Sub-Stations		131.00	70.30
TOTAL 60 KV at Sub-Stations		21.50	10.50
TOTAL 150 KV and 60 KV		152.50	80.80
TOTAL at Plants		178.00	93.00

CENTRAL ITALY

AREA SERVED & RESPONSIBILITY OF:	0600 hours to 2200 hours KW x 10^3	0600 hours to 2200 hours KWH x 10^6	2200 hours to 0600 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6
GRID				
DISTRICT 1.				
Terni				
Spoleto				
Perugia & Foligno				
Ancona				
Arezzo				
Siena				
Ovieto				
TOTAL DISTRICT 1	22.2	8.39	15.2	3.06
DISTRICT III				
Ceprano				
Frosinone				

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LUCANIA CO.	3 DISTRICT	5.00	1.00
		123.00	66.40
CALABRIA 60 KV SYSTEM			
(i) Calabria Co.	AC	9.50	3.20
(ii) Crotone Plant	AC	9.00	5.80
		18.50	9.00
RAILWAYS, NAPLES AREA	DG.RS	1.50	1.10
" FOGGIA-BENEVENTO	DG.RS	4.50	1.70
" SALERNO-TORRE	DG.RS	2.00	1.10
TOTAL Railway load on 150 KV System		8.00	3.90
RAILWAYS, CALABRIA on 60 KV System	DG.RS	3.00	1.70
TOTAL 150 KV at Sub-Stations		131.00	70.30
TOTAL 60 KV at Sub-Stations		21.50	10.50
TOTAL 150 KV and 60 KV		152.50	80.80
TOTAL at Plants		178.00	93.00

CENTRAL ITALY

AREA SERVED & RESPONSIBILITY OF:	0600 hours to 2200 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6	KW x 10^3	KWH x 10^6
GRID				
DISTRICT 1.				
Terni				
Spoleto				
Perugia & Foligno				
Ancona				
Arezzo				
Siena				
Ovieto				
TOTAL DISTRICT 1	22.2	8.39	15.2	3.06
DISTRICT III				
Ceprano				
Frosinone				
Rieti				
Viterbo				
TOTAL DISTRICT III	4.0	1.62	2.0	0.41
5th ARMY				
Florence				
Pistoia				
TOTAL 5 ARMY	10.0	4.05	8.0	1.61

6453

/PBS.....

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CENTRAL ITALY CONT'D

AREA SERVED & RESPONSIBILITY OF:	0600 hours to 2200 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6	KW x 10^3	KWH x 10^6
GRID				
P.B.S.				
Littoria				
Civitavecchia				
TOTAL PBS	2.0	0.81	2.5	0.41
ROME AREA ALLIED COMD				
TOTAL ROME AREA ALLIED COMMAND	48.0	19.85	25.0	5.04
MILITARY RAILWAY				
TOTAL D.M.R.	5.0	1.98	5.0	1.00
GRAND TOTAL	91.2	36.70	57.7	11.53

CENTRAL ITALY (LEGHORN GRID)

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
Leghorn	PBS	8.50	4.20
Lucca	PBS	2.00	1.20
Piombino	PBS	1.00	.60
Grosseto	PBS	2.00	1.20
Lardarello	PBS	1.00	.60
TOTAL Leghorn Grid		14.50	7.80

The above allocations for Central Italy will be effective until receipt from AFLRS, AFHQ of notification of the date from which the following increased allocations can be utilized. (This date is anticipated to be in the neighborhood of 10 APRIL 1945)

AREA SERVED & RESPONSIBILITY OF:	0600 hours to 2200 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6	KW x 10^3	KWH x 10^6
GRID				
DISTRICT 1.				
Terni				
Spoleto				
Perugia & Goligno				
Ancona				
Arezzo				
Siena				

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

CENTRAL ITALY (LEGHORN GRID)

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
Leghorn	PBS	8.50	4.20
Lucca	PBS	2.00	1.20
Piombino	PBS	1.00	.60
Grosseto	PBS	2.00	1.20
Lardarello	PBS	1.00	.60
TOTAL Leghorn Grid		14.50	7.80

The above allocations for Central Italy will be effective until receipt from AFLRS, AFHQ of notification of the date from which the following increased allocations can be utilized. (This date is anticipated to be in the neighborhood of 10 APRIL 1945)

AREA SERVED & RESPONSIBILITY OF:	0600 hours to 2200 hours KW x 10^3	0600 hours to 2200 hours KWH x 10^6	2200 hours to 0600 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6
GRID				
DISTRICT 1.				
Terni				
Spoleto				
Perugia & Goligno				
Ancona				
Arezzo				
Siena.				
Ovieto				
TOTAL DISTRICT 1	33.5	12.86	25.0	4.80
DISTRICT III				
Ceprano				
Frosinone				
Rieti				
Viterbo				
Rome				
Aquila				
Campobasso				
Chieti				
Pescara				
Teramo				
TOTAL DISTRICT III	7.4	2.84	4.0	.77

/5th ARMY.....

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AREA SERVED & RESPONSIBILITY OF:	0600 hours to 2200 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6	KW x 10^3	KWH x 10^6
5th ARMY				
Florence				
Prato				
Pistoia				
TOTAL 5 ARMY	16.0	6.14	10.0	1.92
P.B.S.				
Littoria				
Civitavecchia				
TOTAL PBS	5.5	2.11	4.5	.86
ROME AREA ALLIED COMMAND				
TOTAL ROME AREA ALLIED COMMAND	50.5	20.00	29.0	5.57
MILITARY RAILWAY				
TOTAL D.M.R.	8.0	3.07	8.0	1.54
GRAND TOTAL	120.9	47.02	80.5	15.46

Plant Cap Ent I Grid .

" " Leptom " .

Street Lighting Est .4% of Total units.

Used only from Naples plant

Fuel used at Rome Thermal — 200 Tons a day

Fuel oil in quantities, Nil.

	KW.	KW.	KW.
Diesel	22.2	33.8	11.3
" II	4.0	7.4	3.4
		6.0	6.0

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ALLIED COMMAND	50.5	20.00	29.0	5.57
MILITARY RAILWAY TOTAL D.M.R.	8.0	3.07	8.0	1.54
GRAND TOTAL	120.9	47.02	80.5	15.46

Plant Cap Ent I Grid ——————.

" " Leghorn " ——————.

Street lighting Est 4% of Total units.

used only from steam plant.

Fuel used at Rome Thermal —— 200 Tons per day

Fuel oil — practically nil

	KW.	KW.	KW.
Distl.	22.2	33.5	11.3
" II	4.0	7.4	3.4
S Army	15.0	16.0	6.0
PBS II	2.0	5.5	3.5
(Rome	42.0	50.6	2.5
M.R.O	5.0	2.0	3.0
	91.2	120.9	29.1

36% increase

Units	36.7	47.02
	11.52	15.46
	48.23	62.48
		48.23
		14.25

6452

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

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

Tel. 347

APPENDIX "B"

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

ERC/PWU

20 March 1945

SUBJECT : Italian Electrical Situation
as of 20th March 1945 (Central Italy).

TO : Electric Power Committee
Allied Force Local Resources Section RAAC CMF.

1. The second of the large generating Units at the Galleto Power Station, Terni, will be ready for operation about 10th April 1945. This will make a further 30,000 Kilowatts of power available on the Central Italy Grid.

2. A number of smaller plants have also been brought into operation but the output capacity is, to some extent, offset by the breakdown of other plants and the withdrawal of plants for normal maintenance.

3. Many of the Hydro-Electric Generating Stations will have to reduce their output during MAY due to reduced water flow. It is anticipated that this reduction in generating capacity will be replaced by restoration of additional plants.

(SIGNED)

W. M. LAPPER
Lieut-Colonel
Elect. Reconst.
Committee (Italy)

6451

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

Electrical Division

Application for supply of electricity for civilian purposes in Italian Government Territory

1) - Application for a supply of electricity for civilian purposes within the Italian Government territory should in all cases be made to the Local Office of the Eletricity Supply Company.

2) - Electricity Supply Companies will submit a list of all applications for electricity to the Provincial Commission within whose area the request is made.

3) - Provincial Commissions (included in the Italian Government electricity rationing decree dated 5 April 1944) will examine all applications for electricity, give priority rating and pass them to the Advisory Committee on Electric Power for the area concerned.

6450

4) - Advisory Committee on Electric Power is a technical body to advise the Ministry on matters connected with electric power. They are formed in Sardinia, Sicily, Southern and

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

1) - Application for a supply of electricity for civilian purposes within the Italian Government territory should in all cases be made to the Local Office of the Eletricity Supply Company.

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3) - Provincial Commissions (included in the Italian Government electricity rationing decree dated 5 April 1944) will examine all applications for electricity, give priority rating and pass them to the Advisory Committee on Electric Power for the area concerned.

6450

4) - Advisory Committee on Electric Power is a technical body to advise the Ministry on matters connected with electric power. They are formed in Sardinia, Sicily, Southern and Central Italy and will, for each of these areas, advise on the availability of electric power, passing the list of applications forward to the Central Commission.

5) - Central Commission in the Ministry of Public Works (included in the Italian Government electricity rationing decree dated 5th April 1944) will coordinate applications for electricity, make final decisions and apply to the Allied Commission representative on the Electric Power Committee of the Allied Force Local Resources (Italian) Board for the power to be made available.

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6) - Allied Commission ~~representative on~~ the Electric Power Committee will submit the applications for electricity to the Chief Engineer of the appropriate Military District who will include them in his bid on the Electric Power Committee of the A.F.L.R. (I) B. afterwards notifying the Electric Power Company direct regarding the power which is to be made available.

NOTE : By deleting (6) and altering (5) to read that the Central Commission will make request direct to the Electric Power Companies, the arrangements will be used at a later date by the Italian Government in their post war electricity rationing scheme.

19 March 1945

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

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

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

Tel. 317

WM1/bb

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

ERC/PWU

20 March 1945

SUBJECT: Italian Electrical Situation
as of 20th March 1945 (Central Italy).

TO : Electric Power Committee
Allied Force Local Resources Section MAAC CMF.

1. The second of the large generating Units at the Galleto Power Station, Terni, will be ready for operation about 10th April 1945. This will make a further 30,000 Kilowatts of power available on the Central Italy Grid.

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3. Many of the Hydro Electric Generating Stations will have to reduce their output during May due to reduced water flow. It is anticipated that this reduction in generating capacity will be replaced by restoration of additional plants.

W.M. LAPPER
Lieut-Colonel
Elect. Reconst.
Committee (Italy)

6449

COPY NO: 49

ALLIED FORCE LOCAL RESOURCES SECTION
A.F.H.Q.

LRS/215A

Postal Address :
AFLRS, Rome Area
Allied Command,
C.M.F.
TEL : ROME 66063

20 February 1945

ALLIED FORCE LOCAL RESOURCES (ITALIAN) BOARD

ELECTRIC POWER COMMITTEE - MINUTES

36. The sixteenth meeting of the Electric Power Committee was held at 0930 hours on Tuesday, 20 February 1945, in the Allied Force Local Resources Section AFHQ Conference Room, Rome.

PRESENT:

Chairman
Colonel B.C. SNOW, Engineer Section, AFHQ

Representatives of:

HQ, AC
DMR, Italy
Hq, No. 1 District
Hq, No. 2 District
Hq, No. 3 District
CG, Rome Area Allied Command
CG, PBS
Electrical Reconstruction Committee

In Attendance:

Chiefs of Section, AFLRS, AFHQ.

37. MINUTES OF PREVIOUS MEETING:

The minutes of the previous meeting held on 22 January 1945 were approved.

38. MINUTES OF BOARD MEETING:

6448

No matters arose for discussion from the meeting of the Board held on 3 February 1945.

The Committee considered its membership and decided to take no change.

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

was held at 0930 hours on Tuesday, 20 February 1945, in the Allied Force Local Resources Section AFHQ Conference Room, Rome.

PRESENT:

Chairman

Colonel B.C. SNOW, Engineer Section, AFHQ

Representatives of:

HQ, AC
DMR, Italy
Hq, No. 1 District
Hq, No. 2 District
Hq, No. 3 District
CG, Rome Area Allied Command
CG, PBS
Electrical Reconstruction Committee

In Attendance:

Chiefs of Section, AFLRS, AFHQ.

37. MINUTES OF PREVIOUS MEETING:

The minutes of the previous meeting held on 22 January 1945 were approved.

6448

38. MINUTES OF BOARD MEETING:

No matters arose for discussion from the meeting of the Board held on 3 February 1945.

The Committee considered its membership and decided to make no change.

39. ALLOCATION OF POWER - MARCH:

A report was received from Hq AC on the amount of power available in Central and Southern Italy. Demands from Base Sections, Districts, etc., were received and allocations were made as per Appendix "A" attached.

40. ITALIAN ELECTRICITY SITUATION:

A report was received from the Electrical Reconstruction Committee (Italy) on the Italian Electricity situation as at 20 February 1945, and is attached as Appendix "B".

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

41. NEXT MEETING:

The next meeting of the Committee will be held at 0930 hours on Tuesday 20 March 1945, in the AFLRS (ATHQ) Conference Room, Rome.

J. T. WHITTAKER, Major, INF,
Secretary,
A. F. L. R. (ITALIAN) BOARD.

JTW/nj

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15/16	G-4 (B), AFHQ (Spares)
17/18	G-5, AFHQ
19	QM, Coal Section, AFHQ
20	Q(Maint), AFHQ
21	Q(AE), AFHQ
22	CE, AFHQ
23	DCE, AFHQ
24	MGRE, AFHQ
25	DST, AFHQ
26	DOS, AFHQ
27	DME, AFHQ
28/29	DMR, ITALY
30	Fiscal Director, AFHQ
31	F.A., AFHQ
32	Tn. Increment, C.M.F.
33	CG, MTOUSA
34	GPA, MTOUSA
35/36	Director of Engineer Production & Stores, AFHQ
37	Hq AC
38	Vice-President, Economic Section, AC
39/44	Economic Section, AC
45/46	Industry Sub-Commission, AC
47/61	Public Works & Utilities Sub-Commission, AC
62	C.S., TARANTO
63/65	Comdr, U.S. Eighth Fleet
66	SENALUSNO, ITALY
67	MAAF (A)
68	MAAF (B)
69/72	AAFSC/MTO
73/74	HQ 214 Group, RAF
75	F.A., RAF
76/77	HQ 1 District
78	CE 1 District
79	HQ 2 District
80	CE 2 District
81/82	HQ 3 District
83	CE 3 District
84/88	CG, RAAC
89/91	CE, PBS

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20	Q(Maint), AFHQ
21	Q(AE), AFHQ
22	CE, AFHQ
23	DCE, AFHQ
24	MGRE, AFHQ
25	DST, AFHQ
26	DOS, AFHQ
27	DME, AFHQ
28/29	DMR, ITALY
30	Fiscal Director, AFHQ
31	F.A., AFHQ
32	Tn. Increment, C.M.F.
33	CG, MTOUSA
34	GPA, MTOUSA
35/36	Director of Engineer Production & Stores, AFHQ
37	Hq AC
38	Vice-President, Economic Section, AC
39/44	Economic Section, AC
45/46	Industry Sub-Commission, AC
47/61	Public Works & Utilities Sub-Commission, AC
62	C.S., TARANTO
63/65	Comdr, U.S. Eighth Fleet
66	SENALUSNO, ITALY
67	MAAF (A)
68	MAAF (B)
69/72	AAFSC/MTO
73/74	HQ 214 Group, RAF
75	F.A., RAF
76/77	HQ 1 District
78	CE 1 District
79	HQ 2 District
80	CE 2 District
81/82	HQ 3 District
83	CE 3 District
84/88	CG, RAAC
89/91	CE, PBS
92/93	BPA, PENBASE
94	BPA, PENBASE South
95/96	HQ Adriatic Depot
97	Electrical Reconstruction Committee
98	Chairman, Electric Power Committee
99/104	AFLRS, Adv. Ech.
105	AFLRS NAPLES Area
106	AFLRS (S.E.) Area
107	AFLRS SICILIAN Area
108	AFLRS, AFHQ (CASERTA)
109	RN (FONAM)
110	RN (FOTALI)
111	File
112/130	Spares

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MARCH 1945

APPENDIX "A"

SOUTHERN ITALY

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
APULIA CO			
To UNES	3 DISTRICT	42.00	22.00
NAPLES DISTRICT	3 DISTRICT	3.00	2.00
CAMPANIA CO.	PBS	40.00	22.00
(i) Pomigliano	3 DISTRICT	4.00	2.50
(ii) Salerno-Torre-Castelamare	3 DISTRICT	19.00	11.50
(iii) Benevento	3 DISTRICT	3.00	1.70
(iv) Calore	3 DISTRICT	1.50	1.10
(v) Santa Maria	PBS	5.50	2.90
LUCANIA CO.	3 DISTRICT	5.30	2.00
		123.30	67.70
CALABRIA 60 KV SYSTEM			
(i) Calabria Co.	AC	9.50	3.20
(ii) Crotone Plant	AC	2.00	1.30
		11.50	4.50
RAILWAYS, NAPLES AREA	DGMRS	1.50	1.10
" FOGGIA-BENEVENTO	DGMRS	4.50	1.70
" SALERNO-TORRE	DGMRS	2.00	1.10
TOTAL Railway load on 150 KV System		8.00	3.90
RAILWAYS, CALABRIA on 60 KV System	DGMRS	3.00	1.70
TOTAL 150 KV at Sub-Stations		131.30	71.60
TOTAL 60 KV at Sub-Stations		14.50	6.20
TOTAL 150 KV and 60 KV		145.80	77.80
TOTAL at Plants		170.60	90.00

CENTRAL ITALY

AREA SERVED & RESPONSIBILITY OF:	0600 hours to 2200 hours KW x 10^3	0600 hours to 2200 hours KWH x 10^6	2200 hours to 0600 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6
GRID				
DISTRICT 1.				
Terni				
Spoleto				
Perugia & Foligno				
Ancona				
Arezzo				
Siena				
Ovieto				

6446

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LUCANIA CO.	3 DISTRICT	123.30	67.70
CALABRIA 60 KV SYSTEM			
(i) Calabria Co.	AC	9.50	3.20
(ii) Crotone Plant	AC	2.00	1.30
		11.50	4.50
RAILWAYS, NAPLES AREA	DGMRS	1.50	1.10
" FOGGIA-BENEVENTO	DGMRS	4.50	1.70
" SALERNO-TORRE	DGMRS	2.00	1.10
TOTAL Railway load on 150 KV System		8.00	3.90
RAILWAYS, CALABRIA on 60 KV System	DGMRS	3.00	1.70
TOTAL 150 KV at Sub-Stations		131.30	71.60
TOTAL 60 KV at Sub-Stations		14.50	6.20
TOTAL 150 KV and 60 KV		145.80	77.80
TOTAL at Plants		170.60	90.00

CENTRAL ITALY

AREA SERVED & RESPONSIBILITY OF:	0600 hours to 2200 hours KW x 10^3	0600 hours to 2200 hours KWH x 10^6	2200 hours to 0600 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6
GRID				
DISTRICT 1.				
Terni				
Spoleto				
Perugia & Foligno				
Ancona				
Arezzo				
Siena				
Ovieto				
TOTAL DISTRICT 1	22.2	8.39	15.2	3.06
DISTRICT III				
Ceprano				
Frosinone				
Rieti				
Viterbo				
TOTAL DISTRICT III	4.0	1.62	2.0	0.41
5th ARMY				
Florence				
Pistoia				
TOTAL 5 ARMY	10.0	4.05	8.0	1.61

6446

/PBS.....

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CENTRAL ITALY CONT'D

AREA SERVED & RESPONSIBILITY OF:	0600 hours to 2200 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6	2200 hours to 0600 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6
GRID				
P.B.S.				
Littoria				
Civitavecchia				
TOTAL PBS	2.0	0.81	2.5	0.41
ROME AREA ALLIED COMD				
TOTAL ROME AREA ALLIED COMMAND	48.0	19.85	25.0	5.04
MILITARY RAILWAY				
TOTAL D.M.R.	5.0	1.98	5.0	1.00
GRAND TOTAL	91.2	36.70	57.7	11.53

CENTRAL ITALY

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
LEGHORN	PBS	8.00	4.00
LUCCA	PBS	0.80	0.50
PIOMBINO	PBS	1.50	0.80
GROSSETO	PBS	1.50	1.00
LARDARELLO	PBS	1.00	0.60
TOTAL		12.80	6.90

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APPENDIX "B"

ALLIED FORCE HEADQUARTERS
Electrical Reconstruction Committee (Italy)
APO 512

19 February 1945

Subject: Italian Electricity Situation
as of 20 February 1945 (Central Italy)

To : ELECTRIC POWER COMMITTEE,
Allied Force Local Resources Section, RAAC, C.M.F.

1. The operation of the interconnected electrical systems in Central Italy has been most successful. A great improvement in the maintaining of frequency and voltage of supply has been achieved in most areas due to the control of this system under the Master Control Centre in Rome.

2. Good progress is being made in the rehabilitation of electrical generating plant and transmission systems. There will however be no additional generating capacity available for the month of March over that already shown for February.

3. It is anticipated that a substantial increase in generating capacity will be available in Central Italy during the month of April.

(SIGNED)
W.M. LAPPER
Lt-Colonel
Elec. Reconst.
Committee (Italy)

6445

COPY

Subject: Allocation of Power - February

C.E. No. 1 District
(166 C.E.Works).
CE 3034/1
27 Jan. 45

Industry Sub-Commission,
H.Q. Allied Commission.

Copy to: Electricity Sub-Commission
H.Q. Allied Commission.

Reference your AC/5628/IND. dated 23 Jan. 45.

1. The original demands were based on known basic loads already supplied such as Military installations, and essential civilian requirements such as water-pumping and flour grinding etc., plus known factories which are waiting for an electricity supply before they can go into operation; information in regard to these is supplied by either, Regional Engineers of the A.C., representatives of A.F.L.R. sub-commissions or by Military authorities who require the output of specified factories. No. A.C. demand that reaches this H.Q. is rejected before the allocation meeting, but as up to the present only a proportion of our requirements have been met, it is obviously essential to reject many of these requests for power when the sub-allocation is made to provinces.

2. The provisional sub-allocation for February is:

TERNI District	
Steelworks	8,000 KW
Oxy. & Acetylene Plant	1,000 KW
Ammonia Plant	1,800 KW
Carbon Factory	150 KW
Carbide Plant	200 KW (repairs and drum making)
Interama Coy.	1,000 KW
Military Users	250 KW
	12,400 KW
SPOLETO	
Cement Works	1,500 KW
Lignite Mines	350 KW
Lighting & Misc.rural Industries	150 KW
	2,000 KW
ANCONA	
Supply to district towards Rimini	1,500 KW (Mil. Hospitals & essential industries in area at present without a supply)
ANCONA District	1,500 KW (To supply [illegible])

6444

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tion in regard to these is supplied by either, Regional Engineers of the A.C., representatives of A.F.L.R. sub-commissions or by Military authorities who require the output of specified factories. No. A.C. demand that reaches this H.Q. is rejected before the allocation meeting, but as up to the present only a proportion of our requirements have been met, it is obviously essential to reject many of these requests for power when the sub-allocation is made to provinces.

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TERNI District		
Steelworks	8,000 KW	
Oxy. & Acetylene Plant	1,000 KW	
Ammonia Plant	1,800 KW	
Carbon Factory	150 KW	
Carbide Plant	200 KW	(repairs and drum making)
Interama Coy.	1,000 KW	
Military Users	250 KW	
	12,400 KW	
SPOLETO		
Cement Works	1,500 KW	
Lignite Mines	350 KW	
Lighting & Misc.rural Industries	150 KW	
	2,000 KW	

6444

ANCONA		
Supply to district towards Rimini	1,500 KW	(Mil. Hospitals & essential industries in area at present without a supply)
ANCONA District	1,500 KW	(To replace output of PEDASO which is being released to give an increased supply to the ASCOLI region. 150 KW to go the Carbon factory).
	3,000 KW	

PERUGIA & FOLIGNO		
Foligno Rly. repair Wksp.	500 KW	
Brickworks	100 KW	
Water-pumping	40 KW	
Rural Industries	260 KW	
Mil.Installations	100 KW	
	1.000 KW	
Assisi Food-canning Plant	80 KW	
Mil.Installations	80 KW	
Water-pumping & rural industries	140 KW	
	300 KW	

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Perugia Lignite Mines	150 KW (Pietrafitta & S.Martino mines).
Match factory	30 KW
Emery Wheel material	40 KW (Mil. installations)
D.W. Sawmills	300 KW
Quarry	120 KW (Mil. & A.C. requirements).
Pottery works	140 KW (mainly for Military use)
Mil Hospitals etc.	150 KW
Mil. installations	150 KW
Lighting & Rural industries	120 KW
	1,200 KW

AREZZO & SAN GIOVANNI	
Castel Nuovo Mines	200 KW (should be 550 KW)
Nail factory	100 KW
Brickworks	100 KW (for D.E.P.S.)
Mil. Installations	150 KW
Lighting & Local industries	250 KW
	800 KW

ORVIETO (to include CHIUSI, ORTE & NARNI)	150 KW (Mil. & Civil Prison Wksp etc.)
	130 KW (Store quarry for Railway)
	80 KW Mil. Hospitals and Bks.
	440 KW Rural Industries and Lighting
	800 KW
SIENA	100 KW Military installations.
	400 KW Lighting and rural industries, should be able to supply ULISSE CRUCCHI, but great difficulty is found in keeping them within their allotment.
	500 KW

3. This re-allocation is only provisional as it is dependent on the allotment given by A.F.H.Q.; at the sub-committee meeting No. 1 District and Rome Command could not agree to the allocation proposed.

4. Of your first priority lists:
(a) Should be able to operate if the local provincial commissioner will cut off an equivalent existing load.
(b) The supply to JESI is inadequate because transmission lines are under repair, it gets a modified supply at present which will be maintained and improved later.
(c) Will continue to be supplied.
(d) Not possible to supply.
(e) Will get a supply.
(f) Will get 1,800 KW for partial operation.

6443

5. ,There is a basic minimum of requirements of electric energy to supply essential civilians needs such as flour grinding, water-pumping, brick-making etc., and in my opinion the whole of No. 1 District is receiving

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Brickworks	100 KW
Mil. Installations	100 KW (for D.E.P.S.)
Lighting & Local industries	150 KW
	250 KW
	800 KW

ORVIETO
(to include CHIUSI, ORTE & MARNI)

150 KW	(Mil. & Civil Prison Wksp etc.)
130 KW	(Store quarry for Railway)
80 KW	Mil. Hospitals and Bks.
440 KW	Rural Industries and Lighting
800 KW	

SIENA

100 KW	Military installations.
400 KW	Lighting and rural industries, should be able to supply ULISSE CRUCCHI, but great difficulty is found in keeping them within their allotment.
500 KW	

3. This re-allocation is only provisional as it is dependent on the allotment given by A.F.H.Q.; at the sub-committee meeting No. 1 District and Rome Command could not agree to the allocation proposed.

4. Of your first priority lists:
(a) Should be able to operate if the local provincial commissioner will cut off an equivalent existing load.
(b) The supply to JESI is inadequate because transmission lines are under repair, it gets a modified supply at present which will be maintained and improved later.
(c) Will continue to be supplied.
(d) Not possible to supply.
(e) Will get a supply.
(f) Will get 1,800 KW for partial operation.

6443

5. ,There is a basic minimm of requirements of electric energy to supply essential civilians needs such as flour grinding, water-pumping, brick-making etc., and in my opinion the whole of No. 1 District is receiving less than the required minimum with the result that it is not possible to rehabilitate productive industries as the rate we would like to even though they may be deemed essential.

6. This minimum is somewhere around 4 to 5 KW per hour per 1,000 inabitants and must be met before industries can function satisfactorily.

W.RIVETT
Major R.E.

WR/FJC.

Brig.
C.E.

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56

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ALLIED FORCE LOCAL RESOURCES SECTION
A.F.H.Q.

LRS/218.

Postal Address :
AFLRS, Rome Area
Allied Command,
C.M.F.
TEL : ROME 66275

22 January 1945.

ALLIED FORCE LOCAL RESOURCES (ITALIAN) BOARD

ELECTRIC POWER COMMITTEE - MINUTES

29. The fifteenth meeting of the Electric Power Committee was held at 0930 hrs on Monday, 22 JAN 45, in the Allied Force Local Resources Section AFHQ Conference Room, ROME.

PRESENT:

Chairman
Colonel B.C. SNOW, Engineer Section, AFHQ

Representatives of:

HQ, AC
DER, Italy
HQ, No 1 District
HQ, No 3 District
CG, Rome Area Allied Command
CE, PBS
Electrical Reconstruction Committee

In Attendance:

Chiefs of Section, AFLRS, AFHQ
and representatives of:
G-4(A) GPA, AFHQ
MGRE, AFHQ
Florence Command

30. MINUTES OF PREVIOUS MEETING:

The minutes of the previous meeting held on 18 DEC 44 were approved. 6442

31. MINUTES OF BOARD MEETING:

No matters arose for discussion from the meeting of the Board held on 23 DEC 44.

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

ELECTRIC POWER COMMITTEE - MINUTES

29. The fifteenth meeting of the Electric Power Committee was held at 0930 hrs on Monday, 22 JAN 45, in the Allied Force Local Resources Section AFHQ Conference Room, ROME.

PRESENT:

Chairman
Colonel B.C. SNOW, Engineer Section, AFHQ

Representatives of:

HQ, AC
DMR, Italy
HQ, No 1 District
HQ, No 3 District
CG, Rome Area Allied Command
CE, PBS
Electrical Reconstruction Committee

In attendance:

Chiefs of Section, AFLRS, AFHQ
and representatives of:
G-4(A) BPA, AFHQ
MGRE, AFHQ
Florence Command

30. MINUTES OF PREVIOUS MEETING:

The minutes of the previous meeting held on 18 DEC 44 were approved. 6442

31. MINUTES OF BOARD MEETING:

No matters arose for discussion from the meeting of the Board held on 23 DEC 44.

32. ALLOCATION OF POWER - FEBRUARY:

A report was received from HQ AC on the amount of power available in Central and Southern Italy. Demands from Base Sections, Districts, etc., were received and allocations were made as per Appendix "A" attached.

The position in Central Italy is as follows :-

	Peak KW demand x 10^3	Max. KW allocation x 10^3
1 District	28.9	22.0
3 District	5.0	4.0
5th Army	15.0	10.0
P.B.S.	7.0	2.0
Rome Area Allied Command	60.0	48.0
Military Rly.	5.0	5.0
Totals	120.9	91.0

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Rome Area Allied Command and No 1 District stated that the allocation would not permit them to satisfay their minimum essential requirements. As it was impossible to increase the total amount available for allocation, the Committee could not agree to step up their allocations at the expense of other areas.

33. ITALIAN ELECTRICITY SITUATION:

A report was received from the Electrical Reconstruction Committee (Italy) on the Italian Electricity situation as at 22 JAN 45 and is attached as Appendix "B".

34. MEMBERSHIP:

An application for membership in respect of GPA, MTOUSA was considered and not approved.

35. NEXT MEETING:

The next meeting of the Committee will be held at 0930 hours on Tuesday, 20 FEB 45 in the AFLRS (AFHQ) Conference Room, 63 Piazza dell'Esedra, Rome (2nd Floor).

S.J.B. LOUDEN, Major, D.C.M.G,
Secretary,
A. F. L. R. (ITALIAN) BOARD.

SJBL/gs.

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23/24	G-4 (B), AFHQ (Spares)
25/26	G-5, AFHQ
27	Q... Coal Section, AFHQ
28	Q (Maint), AFHQ
29	Q (AE), AFHQ
30	CE, AFHQ
31	DCL, AFHQ
32	MGRE, AFHQ
33	DST, AFHQ
34	DOS, AFHQ
35	DME, AFHQ
36/37	DMR, ITALY
38	Fiscal Director, AFHQ
39	FA, AFHQ
40	Tn Increment, CMF
41	CG, MTOUSA
42	GPA, MTOUSA
43	CAO, 15 Army Group
44/45	HQ 15 Army Group
46/47	D.E.P.& S., AFHQ ADV
48	HQ, AC
49	Vice-President, Economic Section, AC
50/51	Economic Section, HQ AC
52/53	Industry Sub-Commission, AC
54/68	Public Works & Utilities Sub-Commission, AC
69	CS, TARANTO
70	Comd., US Eighth Fleet
71	SENALUSNO, Italy
72	NAAF (A)
73	NAAF (B)
74/77	AAFSC/MTO
78/79	HQ 214 Gp. RAF
80	FA, RAF
81/82	HQ 1 District
83	CE 1 District
84/85	HQ 2 District
86	CE 2 District
87/88	HQ 3 District
89	CE 3 District
90/91	CG, PBS

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27 Q - Local Section, AFHQ
28 Q (Maint), AFHQ
29 Q (AE), AFHQ
30 CE, AFHQ
31 DCE, AFHQ
32 MGRE, AFHQ
33 DST, AFHQ
34 DOS, AFHQ
35 DME, AFHQ
36/37 MTR, ITALY
38 Fiscal Director, AFHQ
39 FA, AFHQ
40 Tn Increment, CMF
41 CG, MTOUSA
42 GPA, MTOUSA
43 CAO, 15 Army Group
44/45 HQ 15 Army Group
46/47 D.E.P.& S., AFHQ ADV
48 HQ, AC
49 Vice-President, Economic Section, AC
50/51 Economic Section, HQ AC
52/53 Industry Sub-Commission, AC
54/68 Public Works & Utilities Sub-Commission, AC
69 CS, TARANTO
70 Comd., US Eighth Fleet
71 SENALUSNO, Italy
72 MAAF (A)
73 MAAF (B)
74/77 AAFSC/MTO
78/79 HQ 214 Gp. RAF
80 FA, RAF
81/82 HQ 1 District
83 CE 1 District
84/85 HQ 2 District
86 CE 2 District
87/88 HQ 3 District
89 CE 3 District
90/94 CG, RAAC
95 PENBASE, Main
96 PENBASE, Forward
97/99 CE, PBS
100/102 BPA, PBS
103/104 HQ Adriatic Depot
105 Electrical Reconstruction Committee
106 Chairman, Electric Power Committee
107/111 LNS, c/o HQ 59 Area
112/113 AFLRS Naples Area
114/115 AFLRS S.E. Area
116 AFLRS Sicilian Area
117 File
118/146 Spares

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6441

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Feburary 1945

APPENDIX "A"

SOUTHERN ITALY

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
APULIA CO	3 DISTRICT	42.00	20.00
To UNES	3 DISTRICT	3.00	2.00
NAPLES DISTRICT	PBS	40.00	20.00
CAMPANIA CO.			
(i) Pomigliano	3 DISTRICT	4.00	2.30
(ii) Salerno - Torre - Cast	3 DISTRICT	19.00	10.50
(iii) Benevento	3 DISTRICT	3.00	1.50
(iv) Calore	3 DISTRICT	1.50	1.00
(v) Santa Maria	PBS	5.50	2.60
LUCANIA CO.	3 DISTRICT	5.30	1.80
		123.30	61.70
CALABRIA 60 KV SYSTEM			
(i) Calabria Coy.	AC	9.50	3.20
(ii) Crotone Plant	AC	2.00	1.30
		11.50	4.50
RAILWAYS, NAPLES AREA	DMR	1.50	0.70
" , FOGGIA-BENEVENTO	DMR	4.50	1.50
" , SALERNO-TORRE	DMR	2.00	1.00
TOTAL Railway load on 150 KV System		8.00	3.20
RAILWAYS, CALABRIA on 60 KV System	DMR	3.00	1.50
TOTAL 150 KV at Substations		131.30	64.90
TOTAL 60 KV at Substations		14.50	6.00
TOTAL 150 KV and 60 KV		145.80	70.90
TOTAL at Plants		170.60	83.00

CENTRAL ITALY

AREA SERVED & RESPONSIBILITY OF:	0600 hours to 2200 hours KW x 10^3	0600 hours to 2200 hours KWH x 10^6	2200 hours to 0600 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6
GRID				
DISTRICT 1.				
Terni				
Spoleto				
Perugia & Foligno				
Ancona				
Arezzo				

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(v) Santa Maria	PES	5.50	2.60
LUCANIA CO.	3 DISTRICT	5.30	1.80
		123.30	61.70
CALABRIA 60 KV SYSTEM			
(i) Calabria Coy.	AC	9.50	3.20
(ii) Crotone Plant	AC	2.00	1.30
		11.50	4.50
RAILWAYS, NAPLES AREA	EMR	1.50	0.70
" , FOGGIA-BENEVENTO	EMR	4.50	1.50
" , SALERNO-TORRE	EMR	2.00	1.00
TOTAL Railway load on 150 KV System		8.00	3.20
RAILWAYS, CALABRIA on 60 KV System	EMR	3.00	1.50
TOTAL 150 KV at Substations		131.30	64.90
TOTAL 60 KV at Substations		14.50	6.00
TOTAL 150 KV and 60 KV		145.80	70.90
TOTAL at Plants		170.60	83.00

CENTRAL ITALY

AREA SERVED & RESPONSIBILITY OF:	0600 hours to 2200 hours KW x 10^3	KWH x 10^5	2200 hours to 0600 hours KW x 10^3	KWH x 10^5
GRID				
DISTRICT 1.				
Terni				
Spoleto				
Perugia & Foligno				
Ancona				
Arezzo				
Siena				
Orvieto				
TOTAL DISTRICT 1	22.0	8.32	15.0	3.03
DISTRICT III				
Corano				
Frosinone				
Rieti				
Viterbo				
TOTAL DISTRICT III	4.0	1.62	2.0	0.41
5th ARMY				
Florence				
Pistoia				
TOTAL 5 ARMY	10.0	4.05	8.0	1.61

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/PES.....

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CENTRAL ITALY CONT'D

AREA SERVED & RESPONSIBILITY OF:	0600 hours to 2200 hours KW x 10^3	KWH x 10^6	2200 hours to 0600 hours KW x 10^3	KWH x 10^6
GRID				
P.B.S.				
Littoria				
Civitavecchia				
TOTAL PBS	2.0	0.81	2.5	0.41
ROME AREA ALLIED COMD				
TOTAL ROME AREA ALLIED COMMAND	48.0	19.85	25.0	5.04
MILITARY RAILWAY				
TOTAL D.M.R.	5.0	1.98	5.0	1.00
GRAND TOTAL	91.0	36.63	57.5	11.50
DISTRICT I				
Terni Carbide (which will come off in case of failure to GALLETO)	10.0	4.0	15.0	3.0

CENTRAL ITALY

NON GRID

PBS AREA SERVED BY	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
LEGHORN & PISA	PBS	6.00	3.00
LUCCA	PBS	0.80	0.50
PIOMBINO	PBS	0.50	0.30
GROSSETO	PBS	0.90	0.60
LARDARELLO	PBS	0.20	0.14
TOTAL		8.40	4.54

KW x 10^3 | KWH x 10^6

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APPENDIX "B"

ALLIED FORCE HEADQUARTERS
Electrical Reconstruction Committee (Italy)
APO 512

22 January 45.

Subject : Italian Electricity Situation
as of 22nd January 1945 (Central Italy).

To : Electric Power Committee,
Allied Force Local Resources Section, R.A.A.C., C.M.F.

1. The interconnection of the Electrical System of the Societa Romana di Elettricita, Azienda Comunale Elettricita ed Acque and "Terni" Societa per l'Industria e l'Elettricita have been completed and from 1st Feb. 1945 the whole of Central Italy, with the exception of the Leghorn Area, will be operated at 45 cycles.

2. A spare margin of capacity will be maintained on the system and it will now be possible to operate at the correct frequency and voltage.

3. The first of the Galleto Generating units comes into service during January.

(SIGNED)
W.M. LATTER
Lt-Colonel
Elec. Reconstruction
Committee (Italy)

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CENTRAL COMMISSION FOR THE REGULATION AND CONTROL
OF ELECTRIC POWER DISTRIBUTION

M I N U T E S

The monthly meeting of the Central Commission was held at 0930 hrs on Thursday March 28 1946 at the Ministry of Public Works Building.

Present :	Prof.Eng. M. Visentini	Chairman
	Dr. F. Fasciani	Member
	Dr. M. Valentini	"
	Dr. Eng. G. Pavia	"
	Dr. Eng. G. Silva	"
	Dr. Lupo	
	Col. G.F. Parker	Secretary in attendance
	Allied representatives of Military Districts	
	Dr. Eng. E. Virgili	"
	Dr. Eng. G. Moscardi	"
	Prof.Dr.Eng.A. Asta	"
	Dr. Eng. Corbino	"
	Dr. Eng. Rota	"

Prof. Visentini reported that the electricity situation is now much better in Northern Italy; power rationing has consequently been abolished.

Situation still serious in Central & Southern Italy despite some improvement in river flow due to recent rainfall. The operation programme for those two areas is practically unchanged since last month. Some arrangements will be discussed with Prof. Bottani (Commissioner for Electric Power in Northern Italy) in order to convey a larger block of power from Northern to Central Italy.

Eng. E. Virgili, recently appointed Commissioner for Electric Power in Central and Southern Italy, was introduced to the members of the Commission.

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Eng. Virgili reported on the setting up of suitable operation programmes for the month of April showing that UNES allocation had considerably been increased in order to make possible a better industrial rehabilitation in the twelve provinces which are served by that Company.

This was possible due to another 12,000 KW unit coming in at Castelnuovo; its output was equally divided between UNES and Romana - ACEA systems.

The steam and diesel plants at S. Paolo are no more operating now.

Eng. Rota reported that some improvement was also due to Morino and Acquoria units, which came into operation during the past weeks.

New application for power supply were then reviewed and the Commission approved the following allocations to industrial customers :

1) Società Metallurgica italiana (Toscana Works) - the present allotment of 6,000 KW will be raised to 9,000 KW.

2) Società Italia Forni Elettrici e dell'Elettrocarbonium - 240 KW 16 hrs a day from April 1 to July 15 for the production of 1,000 tons electrodes.

3) Carlo Brigida Works Bari; allocation increased by 26 Amps.

4) Ceprano & Atina Paper Mills: the Commission made it clear that the actual allocation (1450 KW) must not exceed 200,000 Kwh per week.

Complaints by customers against the measures taken by the Provincial Commission were then reviewed.

The next meeting of the Central Commission will be held at 0930 hrs. on Monday April 29 1946 at the Ministry of Public Works Building Rome.

6437

Free 20

REQUEST FOR ELECTRIC POWER - FEBRUARY 1945

Area Served	Responsibility of	Requested: 15 minute Peak KW x 10^3	Requested: energy Kwhx10^6
SOUTHERN ITALY			
Apulia Co	3 District	42.00	20.00
to UNES	"	3.00	2.00
Naples District	PBS	40.00 +	20.00
Campania Co.			
(I) Pomigliano	3 District	4.00	2.30
(II) Salerno-Torre-Cast	"	19.00	10.50
(III) Benevento	"	3.00	1.50
(IV) Calore	"	1.50	1.00
(V) Santa Maria	PBS	5.50	2.60
Lucania Co.	3 District	5.30	1.80
TOTAL		123.30	61.70
Calabria 60 KV System			
(I) Calabria Co.	AC	9.50	3.20
(II) Crotone Plant	AC	2.00	1.30
TOTAL		11.50	4.50
Railways			
Naples Area 150 KV Sys.	DMR	1.50	0.70
Foggia Benevento 150 " "	DMR	4.50	1.50
Salerno-Torre 150 " "	DMR	2.00	1.00
TOTAL RR Load on 150 KV Sys		8.00	3.20
Calabria on 60 KV System		3.00	1.50
TOTAL		11.00	4.70
TOTAL 150 KV at Substations .		131.30	64.90
TOTAL 60 KV at Substations .		14.50	6.00
TOTAL 150 KV and 60 KV		145.80	70.90
TOTAL at Plants		170.60	83.00
Increase from 35.000			
CENTRAAL ITALY			

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(II) Salerno-Torre-Cast	"	3.00	1.50
(III) Benevento	"	1.50	1.00
(IV) Calore	PBS	5.50	2.60
(V) Santa Maria	3 District	5.30	1.80
Lucania Co.		123.30	61.70
TOTAL			
Calabria 60 KV System			
(I) Calabria Co.	AC	9.50	3.20
(II) Crotone Plant	AC	2.00	1.30
TOTAL		11.50	4.50
Railways			
Naples Area 150 KV Sys.	DMR	1.50	0.70
Foggia Benevento 150 " "	DMR	4.50	1.50
Salerno-Torre 150 " "	DMR	2.00	1.00
		8.00	3.20
TOTAL RR Load on 150 KV Sys		3.00	1.50
Calabria on 60 KV System		11.00	4.70
TOTAL			
TOTAL 150 KV at Substations .		131.30	64.90
TOTAL 60 KV at Substations .		14.50	6.00
TOTAL 150 KV and 60 KV		145.80	70.90
TOTAL at Plants		170.60	83.00
Increase from 35.000			6436
CENTRAAL ITALY			
Leghorn and Pisa	PBS	6.00	3.00
Lucca.....	"	0.80	0.50
Piombino	"	0.50	0.30
Grosseto	"	0.90	0.60
Lardarello	"	0.20	0.14
TOTAL		8.40	4.54

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ALLIED FORCE LOCAL RESOURCES SECTION
A F H Q

Allotment of Electric Power for the Month of February 1945

Area served and responsibility of	hours 0600 to 2200		hours 2200 to 0600	
	Kwh x 10^6	Kwh x 10^3	Kwh x 10^6	Kw x 10^3
DISTRICT 1				
Terni				
Spoleto				
Perugia and Foligno				
Ancona				
Arezzo				
Siena				
Orvieto				
TOTAL DISTRICT 1	8,32	22,0	3,03	15,0
DISTRICT III				
Ceprano				
Frosinone				
Rieti				
Viterbo				
TOTAL DISTRICT III	1,62	4.0	0.41	2.0
5TH ARMY				
Florence				
Pistoia				
TOTAL 5TH ARMY	4,05	10,0	1,61	8,0
PENBASE				
Littoria				
Civitavecchia				
TOTAL PENBASE	0,81	2,0	0,41	2,0
ROTE A.A.C.				
Rome Area				
TOTAL ROTE A.A.C.	19,85	48,0	5,04	25,0

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Area served and responsibility of	0600 to 2200		2200 to 0600	
	Kgh $\times 10^5$	Kwh $\times 10^3$	Kwh $\times 10^6$	Kw $\times 10^3$
DISTRICT 1				
Terni				
Spoleto				
Perugia and Foligno				
Ancona				
Arezzo				
Siena				
Orvieto				
TOTAL DISTRICT 1	8,32	22,0	3,03	15,0
DISTRICT III				
Ceprano				
Frosinone				
Rieti				
Viterbo				
TOTAL DISTRICT III	1,62	4.0	0.41	2.0
5TH ARMY				
Florence				
Pistoia				
TOTAL 5TH ARMY	4,05	10,0	1,61	8,0
PENBASE				
Littoria				
Civitavecchia				
TOTAL PENBASE	0,81	2,0	0,41	2,0
ROME A.A.C.				
Rome Area				
TOTAL ROME A.A.C.	19,85	48,0	5,04	25,0
MILITARY RAILWAY				
D.M.R.				
TOTAL DMR	1,98	5,0	1,00	5,0
GRAND TOTAL	36,63	91,0	11,50	57,0
TERNI CARBIDE				
Carbide factory (which will come off in case of failure to Galleto)	4,0	10,0	3,0	15,0

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

LML/ms

ALLIED FORCE HEADQUARTERS
Electrical Reconstruction Committee (Italy)
APO 512

22 January 45

Subject : Italian Electricity Situation
as of 22nd January 1945 (Central Italy)

To : ELETRIC POWER COMMITTEE, ALLIED FORCE LOCAL RESOURCES SECTION, R.A.A.C. - C.M.F.

1. The interconnection of the Electrical Systems of the Societa' Romana di Elettricita', Azienda Comunale Elettricita' ed Acque and "Terni" Societa' per l'Industria e l'Elettricita' have been completed and from 1st Feb. 1945 the whole of Central Italy, with the exception of the Leghorn Area, will be operated at 45 cycles.

2. A spare margin of capacity will be maintened on the system and it will now be possible to operate at the correct frequency and voltage.

3. The first of the Galleto Generating units comes into service during February.

W.M.LAPPER
Lt-Colonel
Elec.Reconstruction
Committee (Italy)

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Spaak

LWL/ac

ALLIED FORCE HEADQUARTERS
Electrical Reconstruction Committee (Italy)

A P O 512

Subject : Italian Electricity Situation as of 1st December 1944 (Cen. Italy) 19 Dec. 44

To : ELECTRIC POWER COMMITTEE, ALLIED FORCE LOCAL RESOURCES SECTION, R.A.A.C. - C.M.F.

1) - The demand for electricity for Military and essential civilian needs continues to grow and at the present time there is no spare capacity available to meet any further demands.

2) - It is anticipated that further generating capacity will be available about the middle of January but the use of this for industrial purposes will depend largely on operational requirements and conditions of plants in the north.

3) - In order to secure safety of supplies the time has arrived when a margin of spare capacity should be maintained to guard against breakdowns and give flexibility to the system. This arrangement will considerably improve the voltage and frequency of the supply which will tend to increased production from the factories already being supplied.

4) - During the month of November the following progress was made :

Transmission lines repaired	163 Km
Generating plant repaired	23,120 KW.

W,M,LAPPER
Lt-Colonel
Elec.Reconstruction
Committee (Italy)

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R E S T R I C T E D

ALLIED FORCE HEADQUARTERS
APO 394

AC/675/171 GDS-O 31 October 1944

Subject : Conservation of electric power facilities of Italian Utilities

To : ALL CONCERNED

1) - A critical shortage of electric utility service exists through out wide sections of occupied Italy. In order to conserve the limited supply of electric power available, and in order to meet the increasing military and essential civilian requirements, it is necessary that all possible means be utilized to reduce non-essential electric consumption from utility sources, by both military and civilian users in Italy.

2) - The following steps will be taken to reduce loads on commercial electric systems :

(a) - LIGHTING

(1) Offices - No lights will be burned during daylight hours except in cases where natural lighting is insufficient for proper working conditions. Wattage of lamps will be limited to a minimum requirement, and fixtures will be located for most economical utilizations of light source.

(2) Halls and Stairways - Lamps in halls, corridors and stairways will be of the smallest wattage commensurate with safety, and a minimum number will be illuminated.

(3) Hotel rooms, and private living quarters - No more than two (2) lamps per private living room or one (1) lamp per bath room will be permitted to be connected. No more than one (1) lamp per private living room will be illuminated at the same time. The lamp bulb will not exceed 60 watt rating. Lighting, when permitted in living tents of military personnel, will be limited to one (1) lamp of 60 watt rating in pyr

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meet the increasing military and essential civilian requirements, it is necessary that all possible means be utilized to reduce non-essential electric consumption from utility sources, by both military and civilian users in Italy.

2) - The following steps will be taken to reduce loads on commercial electric systems :

(a) - LIGHTING

(1) Offices - No lights will be burned during daylight hours except in cases where natural lighting is insufficient for proper working conditions. Wattage of lamps will be limited to a minimum requirement, and fixtures will be located for most economical utilizations of light source.

(2) Halls and Stairways - Lamps in halls, corridors and stairways will be of the smallest wattage commensurate with safety, and a minimum number will be illuminated.

(3) Hotel rooms, and private living quarters - No more than two (2) lamps per private living room or one (1) lamp per bath room will be permitted to be connected. No more than one (1) lamp per private living room will be illuminated at the same time. The lamp bulb will not exceed 60 watt rating. Lighting, when permitted in living tents of military personnel, will be limited to one (1) lamp of 60 watt rating in pyramidal or small wall tent.

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(4) Public Space in hotels, cafes, clubs and public bld
Reduce wattage to a bare essential commensurate wit
area, use and occupancy. Discontinue all electric s
signs or display lighting.

(5) Other Military facilities - Lighting of mess halls, kitchens, work shops, etc. will not exceed the following scale :

Type of Accommodation	Watts per sq.ft.
- Store Room, Latrine	0,2
- Mess halls, Post Exchange, Hospital Ward, Bath House)	0,3
- Kitchen, Recreation Building	0,5

./.

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Tel. 489081
Ext. 317

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

WHL/ec

Reference : 158/PWU

22 June 1945

Subjtect : Electricity Central Italy

To : SECRETARY ELECTRIC POWER COMMITTEE AFLR(I) B

1. An estimate of the availability of electric power has been made for Central Italy for the months of July to December 1945 inclusive and details of this are shown in the attached sheets.

2. The electricity situation in Central Italy will become better during the month of July because of the two following factors :

(a) - Operation of the 120 KV transmission line between Ligonchio and Pian della Rocca, supplying 40,000 KW from the north.

(b) - Operation of the third 35,000 KW machine at Galleto (Terni).

3. Upon completion of the 120 KV line from the north the frequency of the Central Italy system will be increased from 45 to 50 cycles.

4. It is recommended that a maximum of 50,000 KW additional power be allocated to Central Italy for the month of July, but that this power not be taken until the projects mentioned in paragraph 2 in the foregoing are completed. It is recommended that the allocation of 50,000 KW additional not be exceeded based upon the following considerations :

(a) - The increase in frequency from 45 to 50 cycles will cause an increased power demand.

(b) - The generators on the Central Italy system are now heavily loaded, causing the system voltage to be low, and allowing no margin for spare capacity.

(c) - The output of the stream flow plants [illegible]

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1945 inclusive and details of this are shown in the attached sheets.

2. The electricity situation in Central Italy will become better during the month of July because of the two following factors :

(a) - Operation of the 120 KV transmission line between Ligonchio and Pian delle Rocce, supplying 40,000 KW from the north.

(b) - Operation of the third 35,000 KW machine at Galleto (Terni).

3. Upon completion of the 120 KV line from the north the frequency of the Central Italy system will be increased from 45 to 50 cycles.

4. It is recommended that a maximum of 50,000 KW additional power be allocated to Central Italy for the month of July, but that this power not be taken until the projects mentioned in paragraph 2 in the foregoing are completed. It is recommended that the allocation of 50,000 KW additional not be exceeded based upon the following considerations :

(a) - The increase in frequency from 45 to 50 cycles will cause an increased power demand.

(b) - The generators on the Central Italy system are now heavily loaded, causing the system voltage to be low, and allowing no margin for spare capacity.

(c) - The output of the stream flow plants in Central Italy has fallen off because of low rainfall.

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TOTAL ELECTRICITY AVAILABLE AT PLANTS IN CENTRAL ITALY

	July	Aug	Sept	Oct	Nov	Dec
kWh x 10^6	130.0	132.0	151.0	156.0	165.0	190.0
kW x 10^3	226.0	230.0	262.0	272.0	282.0	300.0

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

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ELECTRICITY CENTRAL ITALY

Operation programme for the six months
ending 31st December 1945

OUTPUT AVAILABLE FROM COMPANIES IN CENTRAL ITALY IN $kWhx10^6$

Name of Company	July	Aug	Sept	Oct	Nov	Dec
ACEA	2.0	2.6	4.2	4.4	10.0	10.5
EDISON	26.0	26.0	26.2	26.0	25.2	26.0
LARDARELLO	7.0	7.0	8.0	9.2	11.3	13.5
SELT-VALDARNO	7.3	7.2	9.0	9.9	11.5	12.5
S R E	27.0	27.0	28.2	29.8	31.4	45.3
TERNI	56.7	50.0	70.1	70.0	67.4	73.9
UNES	4.0	4.2	5.0	6.7	8.2	8.3
TOTAL	130.0	132.0	151.0	156.0	165.0	190.0

OUTPUT AVAILABLE FROM COMPANIES IN CENTRAL ITALY IN $KWx10^3$

ACEA	3.0	4.5	4.5	5.8	13.7	14.6
EDISON	50.0	50.0	50.0	50.0	50.0	50.0
LARDARELLO	12.0	12.0	12.0	15.0	18.0	21.0
SELT-VALDARNO	13.4	13.3	14.7	15.6	17.7	18.7
					6430	66.6

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ACEA	2.0	2.6	4.2	4.4	10.0	10.5
EDISON	26.0	26.0	26.2	26.0	25.2	26.0
LARDARELLO	7.0	7.0	8.0	9.2	11.3	13.5
SELT-VALDARNO	7.3	7.2	9.0	9.9	11.5	12.5
S R E	27.0	27.0	28.2	29.8	31.4	45.3
TERNI	56.7	58.0	70.1	70.0	67.4	73.9
UNES	4.0	4.2	5.0	6.7	8.2	8.3
TOTAL	130.0	132.0	151.0	156.0	165.0	190.0

OUTPUT AVAILABLE FROM COMPANIES IN CENTRAL ITALY IN KWx10^3

ACEA	3.0	4.5	4.5	5.8	13.7	14.6
EDISON	50.0	50.0	50.0	50.0	50.0	50.0
LARDARELLO	12.0	12.0	12.0	15.0	18.0	21.0
SELT-VALDARNO	13.4	13.3	14.7	15.6	17.7	18.7
S R E	38.6	39.4	39.3	40.9	49.8	66.6
TERNI	103.3	104.4	133.5	133.2	123.5	115.7
UNES	5.7	6.8	8.0	11.5	13.3	13.4
TOTAL	226.0	230.0	262.0	272.0	282.0	300.0

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ELECTRICITY CENTRAL ITALY

ALLOCATION IN kWh x 10^6

Area	Allocations		
	Actual for June	Estimated for July	Estimated with extra capacity for July
Civitavecchia, Littoria	3.0	3.0	
District 1	25.4	25.4	
District III	3.8	3.8	
Florence	9.3	9.3	
Railways	6.0	6.0	
R.A.A.C.	27.0	27.0	
VALDARNO (less Florence	12.5	12.5	
TOTAL AT SUB-STATIONS TOTAL AT PLANTS	87.0 95.0	87.0 95.0	111.0 130.0

ALLOCATION IN KW x 10^3

Civitavecchia, Littoria	5.0	5.0	
District I	40.0	40.0	
District III	7.0	7.0	
Florence	16.0	16.0	

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District 1	25.4	25.4	
District III	3.8	3.8	
Florence	9.3	9.3	
Railways	6.0	6.0	
R.A.A.C.	27.0	27.0	
VALDARNO (less Florence	12.5	12.5	
TOTAL AT SUB-STATIONS TOTAL AT PLANTS	87.0 95.0	87.0 95.0	111.0 130.0

ALLOCATION IN KW x 10^3

Civitavecchia, Littoria	5.0	5.0	
District I	40.0	40.0	
District III	7.0	7.0	
Florence	16.0	16.0	
Railways	10.0	10.0	
R.A.A.C.	52.0	52.0	
Valdarno (less Florence)	21.0	21.0	
TOTAL AT SUB-STATIONS TOTAL AT PLANTS	151.0 165.0	151.0 165.0	201.0 226.0

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

Tel. 489081
Ext. 317

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

158/PWU

13 August 1945

Subject : Transmittal of Electric Plant Rehabilitation Report

To : SEE DISTRIBUTION LIST BELOW

1. Transmitted herewith is a copy of a report for the month of June 1945, furnished by the Electrical Division of the Public Works and Utilities Sub-Commission detailing the production of electricity and the progress of repairs to electric generation and transmission facilities.

2. The office of the Ispettorato Generale per l'Elettricità, Acque e Gas, of the Ministry of Public Works of the Italian Government has, starting with this report, collected and assembled all of the data for the June 1945 Report and will continue to do so hereafter. This is in line with the policy of transferring to the Italian Government, details formerly performed by the staff of this Sub-Commission.

For the Chief Commissioner,

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

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

I.L/ac

Electrical Division

Report on Progress of Restoration of Electricel Plant and Transmission System in Italy

Month of June 1945

I N D E X

Page No. 1 - General Information

Page No. 2 - Summary of progress during June.

Page No. 3 - Six months estimate of restoration of generating facilities

Pages No. 4 - 7 - Details of progress of repairs to generating plants and associated equipment

Pages No. 8 - 12 - Details of progress of repairs to transmission system.

Note : - The area of Southern and Central Italy referred to in the attached report remains unchanged. Maps (pages 13 and 14), attached to May 1945 report, apply to June 1945 report.

1) - The Monthly Report covers the rehabilitation of electricity supplies for Southern and Central Italy with provision for Northern Italy.

2) - The Advisory Committees on Electric Power constituted of prominent officials connected with the electricity supply industry have fixed the areas of Sardinia, Sicily, Southern Italy and Central Italy. These areas are mainly bounderies of electric companies and will be used in all reports. Maps are attached to May Report showing the Southern and Central areas.

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I N D E X

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3) - As the output of the hydro electric plants is, in many cases affected by rainfall the nameplate or maximum capacity of the generating unit, except where otherwise stated, has been used. Figures for generating capacity are in megawatts (MW) i.e. thousands of kilowatts and length of transmission line in kilometers (Km.).

4) - Only generating plants of 1.0 MW and over are included in the progress details of this report. The large number of smaller plants under repair are not usually connected to the Grid System, their energy being available only to the locality in which they are situated.

George F Parker

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

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PUBLIC WORKS AND UTILITIES SUB-COMMISSION

Electrical Division

GENERAL INFORMATION

Position at 30 June 1945

No.		South Italy	Central Italy	North Italy
1	Nameplate capacity of generating plant restored to service during June 1945 MW	--	5,5	--
2	Output capacity expected from above plant during June 1945 MW	--	5,5	--
3	Maximum load carried to date MW	182,9	159,4	--
4	Present average weekly units being generated $kWhx10^6$	19,3	19,79	--
5	System load factor %	70%	79%	--
6	Percentage of units generated by hydro plants %	94%	85%	--

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	June 1945	MW	--	5,5	--
2	Output capacity expected from above plant during June 1945	MW	--	5,5	--
3	Maximum load carried to date	MW	182,9	159,4	--
4	Present average weekly units being generated	$kWhx10^6$	19,3	19,79	--
5	System load factor	%	70%	79%	--
6	Percentage of units generated by hydro plants	%	94%	85%	--
7	Length of transmission line restored in service during June 1945 (30 kV and above)	Km	--	270	--
8	Approximate number of civilian labour directly engaged on Electrical Rehabilitation Work.	Nos.	Data not yet available	Data not yet available	--

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PUBLIC WORKS AND UTILITIES SUB-COMMISSION

Electrical Division

Summary of Report on progress of Rehabilitation of Electrical Generating Stations and Transmission Systems in Peninsular Italy, as at 30 June 1945

GENERATING STATIONS

No.		South Italy MW	Central Italy MW	North Italy MW
1	Nameplate capacity of Generating Stations 31st December 1941	473,1	879,7	4683,3
2	Nameplate capacity available at time of occupation	172,4	105,5	--
3	Actual output available at time of occupation	111,8	51,8	--
4	Nameplate capacity available at June 1945	277,0	285	--
5	Actual output available at June 1945	180,3	203,9	--

TRANSMISSION SYSTEM

No.	(30 KV and above)	Km	Km	Km

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1	Nameplate capacity of Generating Stations 31st December 1941	473,1	879,7	4683,3
2	Nameplate capacity available at time of occupation	172,4	105,5	—
3	Actual output available at time of occupation	111,6	51,8	--
4	Nameplate capacity available at June 1945	277,0	285	--
5	Actual output available at June 1945	180,3	203,9	--

TRANSMISSION SYSTEM

No.	(30 KV and above)	Km	Km	Km
1	Length of transmission line in operation 31 December 1941	4493	9409	6425 25000
2	Length of transmission line avdlable at time of occupation	1393	829	--
3	Length of transmission line in operation at 30 June 1945	3409	4884	--

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DETAILS OF PROGRESS OF REPAIRS TO TRANSMISSION SYSTEM (Contin

Name of line	Company	Voltage of line kV	Expected date of completion	a) Pro c) Mat
CENTRALE VERDE CENTRALE AVENTINO	U.N.E.S.	30		Co
PONTEMAGLIO-ASCOLI	U.N.E.S.	65		C
PEDASO - PONTE CROCE ROSSA	U.N.E.S.	65	August '45	a) Nee b) Non c) Mat

6415

1982

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LS OF PROGRESS OF REPAIRS TO TRANSMISSION SYSTEM (Continued)

Company	Voltage of line kV	Expected date of completion	REMARKS a) Progress - b) Cause of delay c) Materials required
U.N.E.S.	30		Completed
U.N.E.S.	65		Completed
U.N.E.S.	65	August '45	a) Nearly completed b) None c) Materials

6215

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DETAILS OF PROGRESS OF REPAIRS TO TRANSMISSION SYSTEM (Con

Name of line	Company	Voltage of line kV	Expected date of completion	a) Progre c) Materi
FOLIGNO - FALCONARA (even)	FF.SS.	120	November '45	a) Up to b) None c) None
LARDARELLO-PONTICINO	FF.SS.	120	December '45	a) Works b) Lack c) Allum
ORTE - CHIUSI	FF.SS.	120	August '45	a) Up to b) None c) None
CHIUSI - CAMUCCIA	FF.SS.	120		One
PONTICINO-RIFREDI	FF.SS.	120	August '45	a) Compl b) None c) None
LARDARELLO - CASCINA	FF.SS.	120	December '45	a) Work b) Shor c) Allu
CASCINA - S. ROMANO	FF.SS.	120	October '45	a) Towe b) None c) Non
PONTICINO - RICCIONE	FF.SS.	120	January '46	Work

9179

1984

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DETAILS OF PROGRESS OF REPAIRS TO TRANSMISSION SYSTEM (Continued)

Company	Voltage of line kV	Expected date of completion	REMARKS a) Progress - b) Cause of delay c) Materials required
FF.SS.	120	November '45	a) Up to schedule b) None c) None
FF.SS.	120	December '45	a) Works begun b) Lack of conductors c) Alluminium conductors
FF.SS.	120	August '45	a) Up to schedule b) None c) None
FF.SS.	120		One circuit completed
FF.SS.	120	August '45	a) Completed 80% b) None c) None
FF.SS.	120	December '45	a) Works begun b) Shortage of conductors c) Alluminium conductors
FF.SS.	120	October '45	a) Towers to be built b) None c) None
FF.SS.	120	January '46	Work to be contracted for.

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DETAILS OF PROGRESS OF REPAIRS TO TRANSMISSION SYSTEM (Continu

Name of line	Company	Voltage of line kV	Expected date of completion	a) Progr c) Materi
ARCHI-FRATTAMAGGIORE	S.M.E.	150	September '45	a) Repair b) Materi c) Angle
LETE - AVENTINO	S.M.E.	88	September '45	a) One ci b) Materi c) Angle
GARIGLIANO-MARANOLA	S.M.E.	60	July '45	a) Repair b) None c) None
CINECITTA' - ALBANO	S.R.E.	60		Comp
ALBANO - PONTINIA	S.R.E.	60	July '45	a) Yet no b) None c) None
MORINO - CANTERNO CINECITTA'	S.R.E.	150	October '45	a) Slow b) Transp c) None
RIFREDI - GRIZZANO	FF.SS.	120	July '45	a) Comple b) None c) None
FOLIGNO -FALCONARA (Odd)	FF.SS.	120	Unknown	a) Up to b) None c) None

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1980

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S OF PROGRESS OF REPAIRS TO TRANSMISSION SYSTEM (Continued)

Company	Voltage of line kV	Expected date of completion	REMARKS a) Progress - b) Cause of delay c) Materials required
S.M.E.	150	September '45	a) Repaired 55% b) Materials and transport shortage c) Angle - bars and copper conductors
S.M.E.	88	September '45	a) One circuit repaired 65% b) Materials and transport shortage mines to be cleared c) Angle bars.
S.M.E.	60	July '45	a) Repaired 85% b) None c) None
S.R.E.	60		Completed
S.R.E.	60	July '45	a) Yet not begun b) None c) None
S.R.E.	150	October '45	a) Slow b) Transport shortage c) None
F.SS.	120	July '45	a) Completed 90% b) None c) None
F.SS.	120	Unknown	a) Up to schedule b) None c) None

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DETAILS OF PROGRESS OF REPAIRS TO TRANSMISSION SYSTEM (C

Name of line	Company	Voltage of line kV	Expected date of completion	a) P c) M
PIAN DELLA ROCCA FOCE AL GIOCO-FARNETA	SELT-VALDARNO	60	Unknown	a) U b) N c) N
FOLIGNO - CHIUSI	TERNI	120	July '45	a) S b) T c) T
COTILIA-PESCARA III	TERNI	120	August '45	a) S b) T c) T
VILLA VALLE-COTILIA	TERNI	120	Unknown	a) 2 b) No c) No
MANDELA - TIVOLI	A.C.E.A.	60	Unknown	a) Ne b) No c) No
TERNI - S. PAOLO PRENESTINA	A.C E.A.	60	Unknown	a) Up b) No c) No
COMUNACQUA - C.MADAMA	A.C.E.A.	75	Unknown	a) On c)
ALANNO - ARCHI	S.M.	150	September '45	a) Re b) Ma c) An

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LS OF PROGRESS OF REPAIRS TO TRANSMISSION SYSTEM (Continued)

Company	Voltage of line kV	Expected date of completion	REMARKS a) Progress - b) Cause of delay c) Materials required
SELT-VALDARNO	60	Unknown	a) Up to revised schedule b) None c) None
TERNI	120	July '45	a) Slow b) Transport shortage c) Trucksand alluminium iron conductors
TERNI	120	August '45	a) Slow. 39 towers repaired b) Transport shortage c) Trucks, angle-bars and alluminium iron conductors etc.
TERNI	120	Unknown	a) 2 towers repaired b) None c) None
A.C.E.A.	60	Unknown	a) Nearly completed b) None c) None
A.C E.A.	60	Unknown	a) Up to revised schedule b) None c) None
A.C.E.A.	75	Unknown	a) One circuit in service - The other circuit out of service
S.M. 8179	150	September '45	a) Repaired 35% b) Materials ande transport shortage c) Angle-bars, oxigen .

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DETAILS OF PROGRESS OF REPAIRS TO TRANSMISSION SYS

NAME OF LINE	Company	Voltage of Line kV	Expected date of completion	a) P b) M
ALTOPASCIO-PONTEDERA	SELT-VALDARNO	30	Unknown	a) U b) N c) N
RIFREDI - B.S.LORENZO	SELT-VALDARNO	30	Unknown	a) U b) N c) N
PIAN DELLA ROCCA - CORFINO	SELT-VALD. RNO	60		C
CORFINO-LIGONCHIO	SELT-VALDARNO	60		C
GALLICANO-LIGONCHIO	SELT-VALDARNO	60		C
PIAN DELLA ROCCA-PESCIA	SELT-VALDARNO	60	July '45	a) M b) N c) N
GALLICANO-LIGONCHIO (Edison property)	SELT-VALDARNO'	120	July '45	a) M b) N c) N
TAVERNUZZE-LIGONCHIO	SELT-VALDARNO	120	Unknown	a) U b) N c) N

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DETAILS OF PROGRESS OF REPAIRS TO TRANSMISSION SYSTEM

Company	Voltage of Line kV	Expected date of completion	REMARKS a) Progress - b) Cause of delay c) Materials required
ELT-VALDARNO	30	Unknown	a) Up to revised schedule b) None c) None
ELT-VALDARNO	30	Unknown	a) Up to revised schedule b) None c) None
ELT-VALDARNO	60		Completed
ELT-VALDARNO	60		Completed
ELT-VALDARNO	60		Completed
SELT-VALDARNO	60	July '45	a) Mines to be cleared b) None c) None
SELT-VALDARNO'	120	July '45	a) Mines to be cleared b) None c) None
SELT-VALDARNO	120	Unknown	a) Up to revised schedule b) None c) None

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DETAILS OF PROGRESS OF REPAIRS TO GENERATING PLANTS AND ASSOCIATED EQUIPME

Name of Station and Number of Unit	Company	Name plate size of unit under repair MW	Expected date of Completion	a) Pro… c) Mat…
FONTECUPA	S.R.E.	3,8	July '45	a) Nea… b) Non… c) Non…
PONTEFIUME	S.R.E.	3,4	July '45	a) Nea… b) Non… c) Non…
ACQUORIA N. 3	S.R.E.	14	December '45	a) Up … b) Non… c) Ins…
ALTO FARFA N. 2	S.R.E.	6	December '45	a) Up … b) No… c) Inc…
MORINO	S.R.E.	6	December '45	a) Up … b) Non… c) Inc…
CEPRANO N. 2	S.R.E.	5,5		
ANVERSA	FF.SS.	10	January '46	a) Sl… b) Sh… c) No…
BUSSI SUL TIRINO I e II	NOBEL	8,3 e 1,5	Unknown	a) Sl… b) Tr… c) Se…
VOLTURNO	E.A. VOLTURNO	4x5	Unknown	Repo…

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F REPAIRS TO GENERATING PLANTS AND ASSOCIATED EQUIPMENT (Continued)

ompany	Name plate size of unit under repair MW	Expected date of Completion	REMARKS a) Progress - b) Cause of delay c) Materials required.
S.R.E.	3,8	July '45	a) Nearly completed b) None c) None
S.R.E.	3,4	July '45	a) Nearly completed b) None c) None
S.R.E.	14	December '45	a) Up to schedule b) None c) Insulating materials
S.R.E.	6	December '45	a) Up to schedule b) None c) Insulating materials and cement
S.R.E.	6	December '45	a) Up to schedule b) None c) Insulating materials and cement
S.R.E.	5,5		Completed
F.SS.	10	January '46	a) Slow b) Shortage of transport c) None
OBEL	8,3 e 1,5	Unknown	a) Slow b) Transport and materials shortage c) Several materials
A.VOLTURNO	4x5	Unknown	Report not yet received

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DETAILS OF PROGRESS OF REPAIRS TO GENERATING PLANTS AND ASSOCI

Name of Station and Number of Unit	Company	Name plate size of unit under repair MW	Expected date of Completion	a o
SPERANDO N. 1	SELT-VALDARNO	4,4	July '45	a b c
LIVORNO	SELT-VALDARNO	11,-	Not yet accurately determined	a) b) c)
SALISANO	A.C.E.A.	8,-	September '45	a) b) c)
CASTEL MADAMA	A.C.E.A.	5,-	July '45	a) b) c)
MANDELA	A.C.E.A.	3,-	August '45	a) b) c)
GEROSA N. 1	U.N.E.S.	8,-	July '45	a) b) c)
VENAMARTELLO N. 1	U.N.E.S.	3,-	July '45	a) b) c)
VENAMARTELLO N. 2	U.N.E.S.	8,-	December '45	a) b) c)

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S OF PROGRESS OF REPAIRS TO GENERATING PLANTS AND ASSOCIATED EQUIPMENT (Continued)

	Company	Name plate size of unit under repair MW	Expected date of Completion	REMARKS a) Progress - b) Cause of delay c) Materials required.
	SELT-VALDARNO	4,4	July '45	a) Up to schedule b) None. c) None.
	SELT-VALDARNO	11,-	Not yet accurately determined	a) Up to schedule. b) None. c) None.
	A.C.E.A.	8,-	September '45	a) Up to schedule b) None. c) None.
	A.C.E.A.	5,-	July '45	a) Fault during testing b) None. c) None.
	A.C.E.A.	3,-	August '45	a) Up to schedule b) None. c) None.
	U.N.E.S.	8,-	July '45	a) Up to schedule b) None c) None
	U.N.E.S.	3,-	July '45	a) Up to schedule b) None c) None
	U.N.E.S.	8,-	December '45	a) Up to schedule b) None c) Insulating Materials.

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DETAILS OF PROGRESS OF REPAIRS TO GENERATING PLANTS AND ASSOCIATED

Name of Station and Number of Unit	Company	Name plate size of unit under repair MW	Expected date of Completion	a) c)
PESCARA II N.1	S.M.E.	6,0	Not yet accurately determined	Repo
PESCARA II N. 2	S.M.E.	6.0	Not yet accurately determined	Repo
PESCARA IV N. 1	S.M.E.	8,2	Jannuary '45	a) U b) N c) N
CORFINO	SELT-VALDARNO	4,8	Unknown	a) U b) N c) N
CASTELNUOVO GARF. N. 2	SELT-VALDARNO	2,4	July '45	a) U b) N c) N
GALLICANO	SELT-VALDARNO	19,6	Unknown	a) U b) N c) N
LIMA N. 2	SELT-VALDARNO	1,5	July '45	a) S b) N c) N
LIMA N. 3	SELT-VALDARNO	1,5	Unknown	a) T b) N c) N

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F PROGRESS OF REPAIRS TO GENERATING PLANTS AND ASSOCIATED EQUIPMENT (Continued)

	Company	Name plate size of unit under repair MW	Expected date of Completion	REMARKS a) Progress - b) Cause of delay c) Materials required.
	S.M.E.	6,0	Not yet accurately determined	Report not yet received
	S.M.E.	6.0	Not yet accurately determined	Report not yet received.
	S.M.E.	8,2	January '45	a) Up to revised schedule. b) None. c) None.
	SELT-VALDARNO	4,8	Unknown	a) Mounting and hydraulic work of the b) None. groups continue c) None.
2	SELT-VALDARNO	2,4	July '45	a) Up to schedule b) None. c) None.
	SELT-VALDARNO	19,6	Unknown	a) Up to schedule b) None. c) None.
	SELT-VALDARNO	1,5	July '45	a) Slow b) None. c) None.
2229	SELT-VALDARNO	1,5	Unknown	a) The group is ready in Florence b) None. c) None.

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DETAILS OF PROGRESS OF REPAIRS TO GENERATING PLANTS AND ASSOCIATED EQUIPMENT

Name of Station and Number of Unit	Company	Name plate size of unit under repair MW	Expected date of Completion	a)Progress - c)Materials
GALLETO N. 2	TERNI	34,4	September '45	a)Slow. b)Delay in d c)Insulating
GALLETO N. 3	TERNI	34,4	July '45	a)Up to revi b)Delay in d c)Insulating
COTILIA N. 2	TERNI	24,0	January '46	a)Slow. b)Delay in d c)Insulating
PAPIGNO-VELINO 5	TERNI	15,75	December '45	a)Works just b)None. c)None
AVENTINO N.1	S.M.E.	4,2	July '45	a)During the b)None. c)None.
PESCARA III N. 1	S.M.E.	10	October '45	a)Repaired b)None. c)None.
PESCARA III N.2	S.M.E.	10	December '45	a)Repaired b)None. c)None.
LETE	S.M.E.	6,4	July '45	a)Repaired b)Transport c)None.

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REPAIRS TO GENERATING PLANTS AND ASSOCIATED EQUIPMENT

Company	Name plate size of unit under repair MW	Expected date of Completion	REMARKS a)Progress - b)Cause of delay c)Materials required -
TERNI	34,4	September '45	a)Slow. b)Delay in delivering from Stab. Sid. of Terni and Mater Co. c)Insulating materials.
TERNI	34,4	July '45	a)Up to revised schedule. b)Delay in delivering from Stab. Sid. of Terni and Brown-Boveri Co. c)Insulating materials.
TERNI	24,0	January '46	a)Slow. b)Delay in delivering from Stab.of Terni c)Insulating materials.
TERNI	15,75	December '45	a)Works just begun. b)None. c)None
S.M.E.	4,2	July '45	a)During the tests fault in the water pressure tube. b)None. c)None.
S.M.E.	10	October '45	a)Repaired 35% b)None. c)None.
S.M.E.	10	December '45	a)Repaired 15% b)None. c)None.
S.M.E.	6,4	July '45	a)Repaired 95% b)Transport of the transformer from Matese delayed c)None.

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PUBLIC WORKS AND UTILITIES SUB-COMMISSION

Electrical Division

Estimate of additional generating plant expected to come into operation for the six months ending 30th September 1945
(Nameplate capacity)

Name of Station and Number of unit	Location	YEAR 1945					
		July 31th	August 31th	September 30th	October 31th	November 30th	December 31th.
		MW	MW	MW	MW	MW	MW
GALLETO N.2	TERNI			34,4			
GALLETO N.4	TERNI	34,4					
PAPIGNO-VELINO N. 5	TERNI						15,75
AVENTINO N.1	S.M.E.	4,2					
PESCARA III N.1	S.M.E.				10		
PESCARA III N2	S.M.E.						10,-
LETE	S.M.E.	6,4					
CASTELNUOVO GARF.N.2	SELT-VALD	2,4					
LIMA N. 2	SELT-VALD	1,5					
SPERANDO N.1	SELT-VALD	4,4					
SALISANO	A.C.E.A.				8		
CASTEL MAD.	A.C.E.A.	5,0					
MANDEIA	A.C.E.A.		3,0				
GEROSA N.1	U.N.E.S.	8					
	S.M.E.	3,0					

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		MW	MW	MW	MW		
GALLETO N.2	TERNI			34,4			
GALLETO N.4	TERNI	34,4					
PAPIGNO-VELINO N. 5	TERNI						15,75
AVENTINO N.1	S.M.E.	4,2					
PESCARA III N.1	S.M.E.				10		10,-
PESCARA IIIN2	S.M.E.						
LETE	S.M.E.	6,4					
CASTELNUOVO GARF.N.2	SELT-VALD	2,4					
LIMA N. 2	SELT-VALD	1,5					
SPERANDO N.1	SELT-VALD	4,4					
SALISANO	A.C.E.A.			8			
CASTEL MAD.	A.C.E.A.	5,0					
MANDEIA	A.C.E.A.		3,0				
GEROSA N.1	U.N.E.S.	8					
VENA MART.N.1	U.N.E.S.	3,0					8
VENA MART.N.2	U.N.E.S.						
FONTECUPA	S.R.E.	3,8				6424	
PONTEFIUME	S.R.E.	3,4					14,-
ACQUORIA N.3	S.R.E.						6,-
ALTO FARFA	S.R.E.						6,-
MORINO	S.R.E.						
Monthly Increase		76,5	3,0	42,4	10		59,75

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DISTRIBUTION

COPY NO.	
1/2	C-in-C Med.
3/5	Comdr. US Naval Forces North West African Waters
6	MAAF (A)
7	MAAF (B)
8	CAC, AFHQ
9	A/CAO, AFHQ
10/17	G-4 (L), AFHQ
18	G-4 (B), AFJQ (For DQMG)
19/20	G-5, AFHQ
21	Q (AE), AFHQ
22	Engineer Section, AFHQ
23	Engrs (B), AFHQ
24/25	Director of Engr.Prodn. & Stores, AFHQ
26	QM, Coal Section, AFHQ
27	REME, AFHQ
28	Fiscal Director, AFHQ
29	FA, AFHQ
30	CG, MTOUSA
31	GPA, MTOUSA
32	CG, Fifth Army (Attn: G-4 Rear)
33/34	D.M.R. ITALY.
35	Tn. Increment, CMF
36/37	AMSC/MTO
38/39	HQ 214 Gp. RAF
40	FA, RAF
41/43	CE, PBS
44/45	BPA, PBS
46	BPA, PBS (South)
47/48	HQ 1 District
49	CE, 1 District.
50	HQ, 2 District
51	CE, 2 District
52	HQ, 3 District
53	CE, 3 District
54/58	CG, Rome Area Allied Command
59	Flag Officer, TARANTO & Adriatic
60	SEMALUSMO, Italy
61	CS, TARANTO
62	COMNOB, Palermo
63	Chief Commissioner, ALCOM
64	HQ ALCOM
65	Vice-President, Economic Section HQ ALCOM
66/71	Economic Section HQ ALCOM

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21	Q (AE), AFHQ
22	Engineer Section, AFHQ
23	Engrs (B), AFHQ
24/25	Director of Engr.Prodn. & Stores, AFHQ
26	QA, Coal Section, AFHQ
27	PEIE, AFHQ
28	Fiscal Director, AFHQ
29	FA, AFHQ
30	CG, MTOUSA
31	CPA, MTOUSA
32	CG, Fifth Army (Attn: G-4 Recr)
33/34	D.M.R. ITALY
35	Tn. Increment, CMF
36/37	AMSC/MTO
38/39	HQ 214 Gp. RAF
40	FA, RAF
41/43	CE, PBS
44/45	BPA, PBS
46	BPA, PBS (South)
47/48	HQ 1 District
49	CE, 1 District.
50	HQ, 2 District
51	CE, 2 District
52	HQ, 3 District
53	CE, 3 District
54/58	CG, Rome Area Allied Command
59	Flag Officer, TARANTO & Adriatic
60	SENALUSNO, Italy
61	CS, TARANTO
62	COMNOB, Palermo
63	Chief Commissioner, ALCOM
64	HQ ALCOM
65	Vice-President, Economic Section HQ ALCOM
66/71	Economic Section HQ ALCOM
72/73	Industry Sub-Commission HQ ALCOM
74/89	Public Works & Utilities Sub-Commission HQ ALCOM
90	Chairman, Electric Power Committee
91	Chairman, Electrical Reconstruction Committee
92	File
93/130	Spares

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Allocations were agreed for the increased availability anticipated towards the end of July (Appendix 'C') and AFLRS AFHQ will notify all concerned by wire as soon as this power is available.

74. ALLOCATION OF POWER - JULY - LEGHORN GRID

Revised allocations (Appendix 'D') were agreed for the LEGHORN Grid.

75. NEXT MEETING

The next meeting of the Committee will be held at 0930 hrs on Saturday 21 JULY 45 in the AFLRS (AFHQ) Conference Room, ROME.

SJBL/rgT

S. J. B. LOUDEN, Major, DAQMG,
Secretary,
A.F.L.R. (ITALIAN) BOARD.

DISTRIBUTION - See over.

1) CROTONE - 4500 KW - Request 12000 - To receive load only
2) Necessary to keep plant from damage due to shut down is (4500 Kw)
Increase at RIMINI from 1,00 to 2.60 only if does not affect voltage at ANCONA.
3) South

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SJBL/rgf

S. J. B. LOUDEN, Major, DAQMG,
Secretary,
A.F.L.R. (ITALIAN) BOARD.

DISTRIBUTION - See over.

1) CROTONE - 4500 KW - Request 12000 - To receive load only
2) Necessary to help plant from damage due to shut down ie (4500 Kw)
   Macaroni at RIMINI from 1,00 to 2.60 only if does not
   affect rolling at ANCONA.
3) Southern Italy Bids for July remain 6473 August
   ie 137.25 instead of 145.30
4) Next meeting AFLRS Bd. 25 Inst.

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This reduction is caused by:-

(a) Breakdown of generating plant at SILA.
(b) Abnormally dry spring season which is now being felt on the Rivers & Reservoirs in Southern ITALY.

The availability reported for July by Public Works & Utilities Sub-Commission HQ ALCCM was the maximum considered possible and was such as would leave the SILA Reservoir in a dangerously low position at the end of December 1945.

Central ITALY

There is no increased availability of power for the first part of July. It is however hoped that about the 20th July the following additional power will be made available:-

61,000 KW peak load.
35,000,000 KWH

This increased availability will result from:-

(a) Operation of the 120 KV transmission line between LIGONCHIO and PIAN DELLA ROCCA, supplying 40,000 KW from the North.
(b) Operation of the third 35,000 KW machine at GALLETO (TERNI).

Upon completion of the 120 KV line from the north the frequency of the Central ITALY Grid System will be increased from 45 to 50 cycles and the LEGHORN Grid will be absorbed into the Central Italy Grid.

72. ALLOCATION OF POWER - JULY - SOUTHERN ITALY

In view of the reduced availability of power both PBS and 3 District submitted reduced bids for July. Their representatives stated that these reductions were the maximum possible without cutting off military installations or disconnecting civilian industrial concerns.

The total demands exceeded the estimated availability by 12,000 KW and 6,000,000 KWH.

In discussion on the cut which must necessarily be enforced the Committee agreed:

a) that the dispersal of military installations was such that no further feeder lines could be disconnected without depriving such installations of power.
b) That the cut would have to be made on civilian loads.

HQ ALCCM was unable to suggest any civilian firms that could be disconnected and the Committee recommended that the allocation (12,000 KW and 6,500,000 KWH) to the CROTONE fertiliser plant should be discontinued.

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There is no increased availability of power for the first part of July. It is however hoped that about the 20th July the following additional power will be made available:-

61,000 KW peak load.
35,000,000 KWH

This increased availability will result from:-

(a) Operation of the 120 KV transmission line between LIGONCHIO and PIAN DELLA ROCCA, supplying 40,000 KW from the North.
(b) Operation of the third 35,000/KW machine at GALLETO (TERNI).

Upon completion of the 120 KV line from the north the frequency of the Central ITALY Grid System will be increased from 45 to 50 cycles and the LEGHORN Grid will be absorbed into the Central Italy Grid.

72. ALLOCATION OF POWER - JULY - SOUTHERN ITALY

In view of the reduced availability of power both PBS and 3 District submitted reduced bids for July. Their representatives stated that these reductions were the maximum possible without cutting off military installations or disconnecting civilian industrial concerns.

The total demands exceeded the estimated availability by 12,000 KW and 6,000,000 KWH.

In discussion on the cut which must necessarily be enforced the Committee agreed:

a) that the dispersal of military installations was such that no further feeder lines could be disconnected without depriving such installations of power.
b) That the cut would have to be made on civilian loads.

HQ ALCOM was unable to suggest any civilian firms that could be disconnected and the Committee recommended that the allocation (12,000 KW and 5,500,000 KWH) to the CROTONE fertiliser plant should be discontinued. HQ ALCOM representative strongly opposed this recommendation on the grounds that the fertiliser requirement in ITALY was of vital importance and was tantamount to a military commitment. HQ ALCOM representative further requested that the above recommendation should be submitted to the Board without delay for a decision.

HQ ALCOM reported that the estimated completion date of the TERNI-PESCARA 150 KV transmission line for the supply of power from Northern & Central to Southern ITALY was November 1945. As a sufficient supply of labour necessary for the work and as many steel towers as were needed could be made available by HQ ALCOM the Committee recommended to the Board that, if possible, military assistance with transport and mine clearing be given to advance the completion date.

73. ALLOCATION OF POWER - JULY - CENTRAL ITALY

It was agreed that no changes should be made for the first part of July to the June allocation of electric power. (Appendix 'B').

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Lt. Col Parker

COPY NO: 75

ALLIED FORCE LOCAL RESOURCES SECTION
A.F.H.Q.

Postal Address:
AFLRS Rome Area Allied Command
C. M. F.

Telephone: ROME 66275

LRS/215A

23 June 45.

ALLIED FORCE LOCAL RESOURCES (ITALIAN) BOARD

ELECTRIC POWER COMMITTEE - MINUTES

68. The twentieth meeting of the Electric Power Committee was held at 0930 hrs on Saturday 23 June 45, in the AFLRS (AFHQ) Conference Room, ROME.

PRESENT:

Chairman

Colonel W. B. S. SHELDON. AFLRS (AFHQ)
(acting in absence of Brig. B. B. EDWARDS, Engrs (B) AFHQ)

Representatives of:

D.W., AFHQ
DMR, ITALY
CG, PBS
HQ No 1 District
HQ No 2 District
HQ No 3 District
CG, ROME Area Allied Command
HQ ALCOM
Public Works & Utilities Sub-Commission HQ ALCOM.

In Attendance:

Chief of Section (US) AFLRS AFHQ.

69. MINUTES OF LAST MEETING

The minutes of the nineteenth meeting held on 29 May 1945 were approved.

70. MINUTES OF BOARD MEETING

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

Telephone: Rome 66275

LRS/215A

23 June 45.

ALLIED FORCE LOCAL RESOURCES (ITALIAN) BOARD

ELECTRIC POWER COMMITTEE - MINUTES

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PRESENT:

Chairman

Colonel W. B. S. SHELDON. AFLRS (AFHQ)
(acting in absence of Brig. B. B. EDWARDS, Engrs (B) AFHQ)

Representatives of:

D.W., AFHQ
DMR, ITALY
CG, PBS
HQ No 1 District
HQ No 2 District
HQ No 3 District
CG, ROME Area Allied Command
HQ ALCOM
Public Works & Utilities Sub-Commission HQ ALCOM.

In Attendance:

Chief of Section (US) AFLRS AFHQ.

69. MINUTES OF LAST MEETING

The minutes of the nineteenth meeting held on 29 May 1945 were approved.

70. MINUTES OF BOARD MEETING

No matters arose for discussion from the meeting of the Board held on 2 June 1945.

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71. AVAILABILITY OF POWER - JULY

Reports were received from HQ ALCOM on the amount of power available in Southern & Central ITALY for the month of July, as follows:-

Southern ITALY

The availability of power in Southern ITALY during July is reduced as shown below:-

	JUNE Availability	JULY Availability
KW x 10^3	170.00	155.00
KWH x 10^6	87.00	78.00

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APPENDIX "A"

ALLOCATION OF ELECTRIC POWER - JULY 1945

SOUTHERN ITALY

AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE 15 Minute Peak KW x 10^3	PERMISSIBLE ENERGY KWH x 10^6
Apulia Co.	3 District	36.00	19.50
To UNES	3 District	3.50	1.20
Naples District	P.B.S.	37.00	18.50
Campania Co.			
(i) Frattamaggiore	P.B.S.	3.50	2.20
(ii) Pomigliano	3 District	1.50	1.00
(iii) Salerno-Torre-Cast.	3 District	19.00	10.50
(iv) Benevento	3 District	3.25	1.40
(v) Colore	3 District	1.00	0.60
(vi) Santa Maria	P.B.S.	5.50	2.80
Lucania Co.	3 District	4.00	1.30
Railways, Naples Area	M.R.S.	1.50	1.10
Foggia Benevento	M.R.S.	8.00	3.00
Salerno Torre	M.R.S.	2.00	1.10
TOTAL 150 KV at Sub Stations		125.75	64.20
Calabria 60 KV System		10	
(i) Calabria Co.	ALCOM	8.50	2.00
(ii) Railways	M.R.S.	3.00	1.70
TOTAL 60 KV at Sub Stations		11.50	3.70
TOTAL 150 KV & 60 KV		137.25	67.90
TOTAL at Plants		155.00	78.00

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APPENDIX "B"

CENTRAL ITALY - GRID

AREA SERVED & RESPONSIBILITY OF	KW x 10^3 0600 hours	KWH x 10^6 to 2200 hours	KW x 10^3 2200 hours	KWH x 10^6 to 0600 hours
DISTRICT 1				
Terni	19.00	7.30	17.00	3.20
Terni Carbide	-	-	10.00	2.00
Perugia & Foligno	4.60	1.90	4.40	.80
Spoleto	3.00	1.20	3.00	.60
Ancona & Adriatic Coast to N. exclusive of Fano	6.60	2.50	4.10	.80
Rimini & Adriatic Coast to S. inclusive of Fano	1.00	0.40	0.50	.10
Arezzo & District	4.00	1.60	3.20	.60
Orvieto & District	2.00	0.80	1.50	.30
Adriatic South to Pescara	1.00	0.40	1.50	.30
DISTRICT 3				
Frosinone	2.375	1.00	1.020	.20
Rieti	1.320	.50	1.150	.20
Viterbo	1.285	.50	1.010	.20
Rome	1.060	.40	.820	.20
Aquila	0.960	.40	1.000	.20
P.B.S.				
Civitavecchia	5.00	2.00	5.50	1.00
FIFTH ARMY				
Florence	16.00	6.30	16.00	3.00
R.A.A.C.				
Rome	52.00	20.30	35.00	6.70
M.R.S.				
Railways	10.00	4.00	10.00	2.00
TOTAL	131.20	51.50	116.70	22.40

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APPENDIX "C"

CENTRAL ITALY GRID (Including Leghorn Grid)

2nd Allocation to be operative on receipt of notification from AFLRO, AFHQ

AREA SERVED & RESPONSIBILITY OF	0600 hours to 2200 hours KW x 10^3	0600 hours to 2200 hours KWH x 10^6	2200 hours to 0600 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6
DISTRICT 1				
Terni	19.00	7.30	17.00	3.20
Terni Carbide	-	-	10.00	2.00
Perugia & Foligno	5.00	2.00	4.40	.80
Spoleto	3.50	1.40	3.00	.60
Ancona & Adriatic Coast to North exclusive of Fano	6.60	2.50	4.10	.80
Rimini & Adriatic Coast to South inclusive of Fano	2.00	0.80	2.00	.40
Arezzo & District	4.50	1.80	3.20	.60
Orvieto & District	2.00	0180	1.50	.30
Adriatic South to Pescara	1.50	0.60	1.50	.30
DISTRICT 3				
Frosinone	3.00	1.20	1.50	.35
Rieti	1.50	0.70	1.25	0.30
Viterbo	1.50	0.70	1.25	0.30
Rome	1.50	0.70	1.00	0.22
Acquila	1.50	0.70	1.00	0.23
FIFTH ARMY				
Florence	16.00	6.30	16.00	3.00
R.A.A.F.				
Rome	80.00	31.70	45.00	9.00
M.R.S.				
Railways	10.00	2.00	10.00	2.00
P.B.S.				
Civitavecchia - Littoria	5.50	2.00	5.00	1.00
Leghorn	10.00	4.00	5.00	1.00
Lucca	5.00	2.00	3.00	0.60
Piombino	2.00	0.70	1.00	0.20
Grosseto	3.00	1.40	2.00	0.40
Lardarello	1.00	0.35	1.00	0.20
Pistoia	3.00	1.20	2.00	0.40
Prato	5.00	2.00	3.00	0.60
Siena	2.00	.80	1.50	0.30
TOTAL	195.60	75.65	147.20	29.10

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APPENDIX "D"

CENTRAL ITALY - LEGHORN GRID

AREA SERVED & RESPONSIBILITY OF	0600 hours to 2200 hours KW x 10^3	0600 hours to 2200 hours KWH x 10^6	2200 hours to 0600 hours KW x 10^3	2200 hours to 0600 hours KWH x 10^6
P. B. S.				
Leghorn Area	10.00	4.00	5.00	1.00
Lucca Area	5.00	2.00	3.00	0.60
Piombino	2.00	0.70	1.00	0.20
Grosseto	3.00	1.40	2.00	0.40
Lardarello	1.00	0.35	1.00	0.20
Pistoia	3.00	1.20	2.00	0.40
Prato	5.00	2.00	3.00	0.60
Siena	2.00	.80	1.50	0.30
TOTAL	31.00	12.45	18.50	3.70

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BIDS FOR ELECTRIC POWER FOR THE MONTH OF AUGUST 1945
CENTRAL ITALY - GRID

AREA SERVED	Responsibility of	0600 - 2200 hours KW x 10^3 Allocated for JULY	Bid for AUGUST	Allocated for AUGUST	KWH x 10^6 Allocated for JULY	Bid for AUGUST	Allocated for AUGUST	KW Allocated for JULY	KW Bid for AUG
Terni	1 District	19 00	19.00		7 30	7.30		17.00	17.0
Terni Carbide	"	-	-		-	-		10.00	10.0
Perugia & Foligno	"	4.60	5.00		1.90	2.00		4.40	4.4
Spoleto	"	3.00	3.50		1.20	1.40		3.00	3.0
Ancona & Adriatic Coast to North exclusive of Fano	"	6.60	6.60		2.50	2.50		4.10	4.1
Rimini & Adriatic Coast to South inclusive of Fano	"	1.00	2.60		0.40	1.00		0.50	2.0
Arezzo & District	"	4.00	4.50		1.60	1.80		3.20	3.2
Orvieto & District	"	2.00	2.00		0.80	0.80		1.50	1.5
Adriatic South to Pescara	"	1.00	1.50		0.40	0.60		1.50	1.5
Frosinone	3 District	2.375	3.00		1.00	1.20		1.020	1.5
Rieti	"	1.320	1.50		.50	0.70		1.150	1.2
Viterbo	"	1.285	1.50		.50	0.70		1.010	1.2
Rome (District)	"	1.060	1.50		.40	0.70		.820	1.0
Acquila	"	0.960	1.50		.40	0.70		1.000	1.0
Civitavecchia	P.B.S.	5.00	5.50		2.00	2.00		5.50	5.0
Florence		16.00	16.00		6.30	6.30		16.00	16.0
Rome	R.A.A.C.	52.00	80.00		20.30	31.70		35.00	45.0
Railways	M.R.S.	10.00	10.00		4.00	4.00		10.00	10.0
Leghorn	P.B.S.	10.00	10.00		4.00	4.00		5.00	5.0
Lucca	"	5.00	5.00		2.00	2.00		3.00	3.0
Piombino	"	2.00	2.00		0.70	0.70		1.00	1.0
Grosseto	"	3.00	3.00		1.40	1.40		2.00	2.0
Lardarello	"	1.00	1.00		0.35	0.35		1.00	1.0
Pistoia	"	3.00	3.00		1.20	1.20		2.00	2.0
Prato	"	5.00	5.00		2.00	2.00		3.00	3.0
Siena	"	2.00	2.00		0.80	0.80		1.50	1.5
TOTAL		162.200	196.20		63.95	77.85		135.200	147.8

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BIDS FOR ELECTRIC POWER FOR THE MONTH OF AUGUST 1945
CENTRAL ITALY - GRID

Responsibility of	0600 - 2200 hours						2200 - 0600 hours					
	KW x 10^3			KWH x 10^6			KW x 10^3			KWH x 10^6		
	Allocated for JULY	Bid for AUGUST	Allocated for AUGUST	Allocated for JULY	Bid for AUGUST	Allocated for AUGUST	Allocated for JULY	Bid for AUGUST	Allocated for AUGUST	Allocated for JULY	Bid for AUGUST	Allocated for AUGUST
1 District	19.00	19.00		7.30	7.30		17.00	17.00		3.20	3.20	
"	-	-		-	-		10.00	10.00		2.00	2.00	
"	4.60	5.00		1.90	2.00		4.40	4.40		.80	.80	
"	3.00	3.50		1.20	1.40		3.00	3.00		.60	.60	
"	6.60	6.60		2.50	2.50		4.10	4.10		.80	.80	
"	1.00	2.60		0.40	1.00		0.50	2.60		.10	.50	
"	4.00	4.50		1.60	1.80		3.20	3.20		.60	.60	
"	2.00	2.00		0.80	0.80		1.50	1.50		.30	.30	
"	1.00	1.50		0.40	0.60		1.50	1.50		.30	.30	
3 District	2.375	3.00		1.00	1.20		1.020	1.50		.20	.35	
"	1.320	1.50		.50	0.70		1.150	1.25		.20	.30	
"	1.285	1.50		.50	0.70		1.010	1.25		.20	0.30	
"	1.060	1.50		.40	0.70		.820	1.00		.20	0.25	
"	0.960	1.50		.40	0.70		1.000	1.00		.20	0.25	
P.B.S.	5.00	5.50		2.00	2.00		5.50	5.00		1.00	1.00	
	16.00	16.00		6.30	6.30		16.00	16.00		3.00	3.00	
R.A.A.C.	52.00	80.00		20.30	31.70		35.00	45.00		6.70	9.00	
M.R.S.	10.00	10.00		4.00	4.00		10.00	10.00		2.00	2.00	
P.B.S.	10.00	10.00		4.00	4.00		5.00	5.00		1.00	1.00	
"	5.00	5.00		2.00	2.00		3.00	3.00		0.60	0.60	
"	2.00	2.00		0.70	0.70		1.00	1.00		0.20	0.20	
"	3.00	3.00		1.40	1.40		2.00	2.00		0.40	0.40	
"	1.00	1.00		0.35	0.35		1.00	1.00		0.20	0.20	
"	3.00	3.00		1.20	1.20		2.00	2.00		0.40	0.40	
"	5.00	5.00		2.00	2.00		3.00	3.00		0.60	0.60	
"	2.00	2.00		0.80	0.80		1.50	1.50		0.30	0.30	
TOTAL	162.200	196.20		63.95	77.85		135.200	147.80		26.10	29.25	

(6) Outdoor Areas - Guarded areas, POW enclosures, storage areas, streets, etc., will be lighted only in accordance with necessity.

(7) Turn off of all lights not in use - Post signs conspicuously and make every individual economy-minded in use of electricity.

(b) - HEATING AND COOKING

(1) Electric heating will be permitted only in essential industrial processes engaged in production for the military effort, and in hospitals for the treatment of patients.

(2) No electric cooking will be permitted.

(c) - POWER

(1) The use of electric power will be limited to :
a) Those industries contributing directly to the military effort or essential to the civilian economy

b) Installations necessary to sageguard public health.

(2) Elevators will be operated by electric power only for movement of hospital patients or for heavy freight

(3) No electric motors will be allowed to idle for extened periods.

(d) - ELECTRIC RAILWAY POWER
Will be utilized only on approval by the Electric Power Committee of the AFLR (Italian Board.

(e) - ELECTROLYTIC PROCESSES AND ELECTRIC ARC FURNACES
Will be utilized only on approval by the Electric Power Committee of the AFLR (Italian) Board.

3) - Military Commanders will be responsible that these instructions are carried out within their jurisdiction of military installations, and civilian authorities will be required to enforce similar measures in those civilian installations which are allowed to receive electric service.

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6407

By command of General WILSON,

(Sgd) H.V.ROBERTS
Colonel, AGD
Adjutant General

3 Oct 44

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2017