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ELECTRICITY SUPPLY
APR. 1945 - APR. 1946

HEADQUARTERS
LORRAINE REGION LIAISON GROUP
ALLIED COMMISSION
APO 394

Tel. 12641-Ext. 2255

Ref. 102/87

CE/11.

1-4-1946

SUBJECT : Weekly and Monthly Reports

TO : Ferrovie dello Stato - Compartimento di Torino

Ufficio Impianti Elettrici e Segnalamento

With reference to your letter dated 29 March 1946 - 4995/T.L. we send you the requested weekly and monthly forms.

For the Chief Liaison Officer :

L. F. WHITE
Executive Officer

5056

Tel: 489081
Ext: 317

HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Sub-Commission

INL/co



28 FEB 1946

24 February 1946

158/PWU

SUBJECT: Conservation of Electric Power

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

1. Enclosed for your information is a copy of directive AG 675-C, dated 19 February 1946, concerning limitations on the use of electric power by Allied Military installations in Italy.

GEORGE F. PARKER,
Colonel, Infantry,
Chief, Electrical Division

cc: Allied Commission
Chief Liaison Officer
Lombardia Region
Milan
(Attn: Maj. A. Naban)

Prof. Bottani
(c/o Maj. Naban)

Enclosure - Directive AG 675-C, dated 19 February 1946

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C O P Y

ALLIED FORCE HEADQUARTERS
APO 512

AG 675 -0

19 February 1946

SUBJECT: Conservation of Electric Power.

TO : All Concerned.

1. The following publications are hereby rescinded:

a. Letter, this headquarters file AG 675/055 GDS-0 dated 18 October 1944, subject: "Electricity Control".

b. Letter, this headquarters file AG 675/047'Q' (Maint)-0 dated 17 July 1945, subject: "Conservation of Electric Power".

2. While the electric power situation generally has improved, there is still a serious shortage throughout Italy. In order to conserve the supply of electric power available and to meet the military and essential civilian requirements, it is necessary that a strict watch is kept by both Military and Civilian Authorities over its use. For the purposes of this instruction the country is divided into two portions North and South and the dividing line shall be the Northern boundaries of the Provinces of Lucca, Pistoia, Firenze, Arezzo, and Pesaro e Urbino.

3. It will be necessary continually to exchange power between North, Central, and Southern Italy and also between districts and corps within those areas in order that the country's legitimate demands for electric power may be met. This will enable national or local shortages of electric power to be evened out over the country as a whole.

4. a. The generation, transmission, distribution and allocation of electric power is now the responsibility of the Italian Government Provincial committees have been and are being set up which will present the civil demands in their areas to one of two commissions. These two Commissions are the North Italy Inter-Regional Commission which is now being set up in Milan under the presidency of Professor Engineer Ercole Bottani and the Central Commission in Rome under the presidency of Professor M. Visentini (Inspector General of Electricity Water and Gas).

b. The Central Commission is responsible for electric power supply policy in Central and Southern Italy and also ratifies the arrangements made by the Milan Commission over which it has over-riding authority. The Milan Commission deals with all electric power supply policy in North Italy. The addresses of these two Commissions are: Rome - Italian Control Commission for the Distribution and Utilization of Electric Power, Ministry of Public Works, Via Nomentana No. 1 Rome; Milan - Ufficio Idrografico del Po, Via Vincenzo Monti No. 25 Milan. Both these Commissions meet monthly, and General Headquarters, each military district, and corps will have technical representation to ensure that Military interests are met.

c. All matters concerning the allocation of electric power for military installations will in the first instance be referred to appropriate CE district, corps, or to Peninsular Base Section which will ensure that

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Ltr, AFHQ, AG 675 -O, dtd 19 Feb 46. (Con'd)

the demands are reasonable and that the spirit of decrees issued by the Italian Government, and Allied Military Government Regional Orders concerning electricity rationing are honoured by military users in so far as is reasonable and compatible with the local situation at the time.

5. South of the boundary referred to in paragraph 2 above, the following steps will be taken by Military consumers 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 the most economical utilization 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 and one (1) lamp per bathroom will 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 sixty (60) watt rating. Lighting, when permitted in living tents of military personnel, will be limited to one (1) lamp of sixty (60) watt rating in pyramidal or small wall tent.
- (4) Public Space in Hotels, Cafes, Clubs, and Public Buildings - Wattage will be reduced to a bare essential commensurate with area, use, and occupancy. All electric signs or display lighting will be discontinued.
- (5) Other Military Facilities - Lighting of mess halls, kitchens, work shops, etc. will not exceed the following scale:

<u>Type of Accommodation</u>	<u>Watts per sq. ft.</u>
Store Room, latrine	0.2
Mess hall, post exchange, hospital ward, bath house	0.3
Kitchen, recreation building	0.5

- (6) Outdoor Areas - Guarded areas, Prisoner of War enclosures, storage areas, streets, etc. will be lighted only in accordance with necessity.
- (7) Lights Not in Use - All lights not being used will be turned off. Signs will be posted conspicuously to make every individual economy-minded in the use of electricity.

Ltr, AFHQ, AG 675 -Ø, dtd 19 Feb. 46. (Con'd)

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) Elevators will be operated by electric power only for movement of hospital patients or for heavy freight.

(2) Electric motors will not be allowed to idle for extended periods.

6. Departure from these instructions will take place only on the written authority of AFHQ, Headquarters MTOUSA, CE 2 District, CE 3 District, CE 13 Corps, or PBS.

7. North of the boundary referred to in paragraph 2 above, similar provisions to those in paragraph 5 will pertain. These general restrictions may be lifted during June to November each year when hydrological conditions are normally more favourable for the generation of electric power. This will be done on AFHQ authority only.

BY COMMAND OF LIEUTENANT GENERAL MORGAN:

EDMUND R. SHUGART
Colonel, AGD
Adjutant General

DISTRIBUTION:

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En. 12641
Ext. 2255

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HEADQUARTERS
LOMBARDIA REGION LIASON GROUP
ALLIED COMMISSION
APO 394

Industry and Utilities Sub Commission - Milan Office

Ref. 103/70

21, January, 1946

SUBJECT : WEEKLY REPORT

TO : S.I.T. - MEMO - Via Alfieri, 6.

Since 23rd of December 1945, we have not received your weekly reports.
Please, send them as soon as possible.

Enclosed :
Weekly Reports

ANDREW HABAN Jr.
Major C.A.C.
Deputy Chief
Industry & Utilities S.C.
Milan Office

Produzione :

Del 23 Dicembre 1945 non riceviamo i vostri rapporti settimanali.
Vi preghiamo di inviarli subito.

Allegati :

Rapporti settimanali.

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Th. 12541
Ext. 2255

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HEADQUARTERS
LOMBARDIA REGION - LIAISON GROUP
ALLIED COMMISSION
APO 394

Industry and Utilities Sub Commission - Milan Office

Ref. 103/71

21, January, 1946

SUBJECT : WEEKLY REPORT

TO : A.E. CONSORZIALE DI BOLZANO E MERANO - BOLZANO -

Since 2 January we have not received your Weekly Reports.
Please, send them, as soon as possible.

ANDREW HARRAN JR.
Major G.A.C.
Deputy Chief
Industry & Utilities S.C.
Milan Office

Enclosed :
Weekly Reports.

Traduzione :

Dal 2 Gennaio non riceviamo i vostri rapporti settimanali.
Vi preghiamo di inviarceli subito.

Allegati :
Rapporti settimanali

Ref. 163/71

21, January, 1946

SUBJECT : WEEKLY REPORT

TO : A.E. CONSOZIALE DI BOLZANO E MERANO - BOLZANO -

Since 2 January we have not received your Weekly Reports.

Please, send them, as soon as possible.

Enclosed :
Weekly Reports.ANDREW BARAN JR.
Major C.A.C.
Deputy Chief
Industry & Utilities S.C.
Milan OfficeTraduzione :Dal 2 Gennaio non riceviamo i vostri rapporti settimanali.
Vi preghiamo di inviarceli subito.Allegati :
Rapporti settimanali

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th. 12641
Ext. 2255

HEADQUARTERS
LOMBARDIA REGION LIAISON GROUP
ALLIED COMMISSION
APO 394

10/11.

Industry and Utilities Sub. Commission - Milan Office

Ref. 108/72

SUBJECT : WEEKLY REPORTS

21, January, 1946

TO : S.I.M.A. - BUSSOLENO (Verona)

Since you have begun your working again we have not received your weekly reports.

We therefore beg you to send it continually .

Enclosed :
Weekly Reports

ANDREW HARSH JR.
Major C.A.C.
Deputy Chief
Industry & Utilities S.O.
Milan Office

Traduzione :

Da quando avete ripresa la produzione non abbiamo ricevuto il rapporto settimanale.

Vi preghiamo di inviarcelo continuamente.

Allegati :
Rapporti settimanali.

Ref. 108/72

21 January, 1946

SUBJECT : WEEKLY REPORTS

TO : S.I.M.A. - BUSSOLINGO (Verona)

Since you have begun your working again we have not received your weekly reports.

We therefore beg you to send it continually .

Enclosed :
Weekly Reports

ANDREW HADAN Jr.
Major C.A.C.
Deputy Chief
Industry & Utilition S.O.
Milan Office

Traduzioni :

Da quando avete ripresa la produzione non abbiamo ricevuto il rapporto settimanale.

Vi preghiamo di inviarcelo continuamente.

Allegati :
Rapporti settimanali.

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To 12641
ext. 2255

CE/11.

HEADQUARTERS
LOMBARDIA REGION LIAISON GROUP
ALLIED COMMISSION
APO 594

Industry and Utilities Sub. Commission - Milan Office

Ref. 108/73

21, January, 1946

SUBJECT : WEEKLY REPORT

TO : SOC. ILL. COGES - Dir. Esorcizi Impianti Elettrici -
- TORINO -

Since 30 of December we have not received your weekly reports.
Please, send them as soon as possible.

ANDREW HARMAN JR.
Major C.A.C.
Deputy Chief
Industry & Utilities S.C.
Milan Office

Enclosed :
Weekly Reports

Traduzione :

Dal 30 Dicembre non riceviamo i vostri rapporti settimanali.
Vi preghiamo inviarli subito.

Allegati :
Rapporti settimanali.

Ref. 108/73

21, January, 1946

SUBJECT : WEEKLY REPORT

TO : SOC. IMA. COGE - Dir. Esercizi Impianti Elettrici -
- TORINO -

Since 30 of December we have not received your weekly reports.
Please, send them as soon as possible.

Enclosed :
Weekly Reports

ANDREW TABAN JR.
Major C.A.C.
Deputy Chief
Industry & Utilities S.c.
Milan Office

Traduzione :

Dal 30 Dicembre non riceviamo i vostri rapporti settimanali.
Vi preghiamo inviarli subito.

Allegati :
Rapporti settimanali.

5048

SUBJECT: ENERGY DEFICIT

179/048 HRS.
1614-12289
REF: 179/048/380
7 Jan. 46.

Report of Conference on 4 Jan. 1946 at 179
CNS Works.

Present: Maj Jackson 179 C.E. Works.
Capt. Burn 179 C.E. Works.
Ing. Romagnoli Edison
Ing. Interleghi A.E.M.
Ing. Bille A.E.M.

1. POSITION OF A.E.M.

1) The reservoir contained on 3 Jan. 1946 16,000,000 kWh.
To avoid emptying reservoirs prematurely daily production should
be 125,000 kWh. to last throughout the winter.

2) Production balance.

Running water production	500,000 kWh/day
Thermal	100,000 kWh/day
Braining reservoirs admissible production	125,000 kWh/day
Edison Supply to A.E.M.	500,000 kWh/day
Pulck " " "	200,000 kWh/day

Consumption as per decree

1,525,000 kWh/day
2,300,000 kWh/day

Deficit..... 775,000 kWh/day

2. CHECKING HIS CONSUMERS IN VIENNA.

1) A.E.M. and Edison will check the consumption over December
and to the 15 January of all consumers with and installed on-

Present: Maj. Jackson 173 A.E. Corps.
 Capt. Burn 173 A.E. Corps.
 Ing. Remagnoli Edison
 Ing. Interlenghi A.E.C.
 Ing. Bluff A.E.C.

1. DEFICIENCY OF A.E.C.

1). The reservoir contained on 3-Jan. 1946 16,000,000 kWh.
 To avoid emptying reservoir prenaturoly daily production should
 be 125,000 kWh. to last throughout the winter.

2). Production balance.

Running water production	500,000 kWh/day
Thermal	100,000 kWh/day
Draining reservoirs adiabatic	
production	125,000 kWh/day
Edison Supply to A.E.C.	600,000 kWh/day
Ellick " " "	200,000 kWh/day

Consumption as per decree

1,525,000 kWh/day
2,300,000 kWh/day

Deficit..... 775,000 kWh/day

2. CHECKING BIG CONSUMERS IN MILAN.

- 1). A.E.C. and Edison will check the consumption over December
 and to the 15 January of all consumers with and installed ca-
 pacity above 50 KW.
- 2). A.E.C. has only 250 such consumers.
- 3). Both the companies will cut off on 15-Jan. those '5047 consumers'
 whose consumption over December and to the 15-January exceeds
 150% of the November consumption.

4). Cutting off will be operated in following ratio

0 - 10% excess	1 Week
10, 15-20%	2 "
20, 1 - 30%	3 "
30, 1% and higher	4 "

-2-

3. RATIONING OF CIVILIAN SUPPLY BY PRIORITY CABLES.

A.E.M. and Edison will inform by letter all civilian consumers who are getting continuous el. supply because they are on the same line as priority consumers, that they will not use electricity on rationed days although their line is alive. If they use, they will be cut off for 1 to 4 weeks.

4. MILITARY CONSUMERS.

1. The following Edison consumers will be rationed:

YMOA. HOTEL REGINA

BANCO DI NAPOLI - Via T. Grossi 5

14 L. OF C. SIGNALS - Via Della Posta 8

VARIOUS

- Via Cantù 3

} As and when alternative
} arrangements are made.
} Capt. Burn to notify Edison

2). Maj Jackson will investigate whether MFI Bakery Via Vitruvio can be rationed.

3). Edison will investigate whether 59 P.T.O. MAP Caserma Adriatica can be supplied by a separate line.

5. RATIONING LIGURIA REGION.

1). Genoa, Savona etc are not rationed according to decree.
V.e.f. 4.1.46 decree will be observed and S/Sgt. Davik will check Genoa.

2). Edison will reduce by 50% weekly average supply to Genoa.

6. RATIONING N.Y. ITALY REGION.

1). Edison will check the rationing and send a report to 172 N.E. Yorks and copy to 179 ONE Yorks.

2). It is known that Bolzano does not ration. If rationing is introduced a supply of 50,000 kWh/day could be fed into the Edison Grid Eng. Romagnoli to check this figure.

3). Maj Jackson will send a letter to the power companies involved and order them:

a) to observe decree

b) to supply power surplus into Edison grid.

7. EDISON SUPPLY TO A.E.M.

1). After having rationed all the N.Y. Italy Area, Edison will be

27. Maj Jackson will investigate whether any bakery Via Vitruvio can be rationed.

3). Edison will investigate whether 59 P.T.O. RAF Caserma Adriatica can be supplied by a separate line.

5. NATIONING LIGURIA REGION.

1). Genoa, Savona etc are not rationed according to decree.

4.9.46 4.1.46 decree will be observed and S/sgt. Dawik will check Genoa.

2). Edison will reduce by 50% weekly average supply to Genoa.

6. RATIONING N.W. ITALY REGION.

1). Edison will check the rationing and send a report to 172 C.E. Works and copy to 179 CRE Works.

2). It is known that Volzeno does not ration. If rationing is introduced a supply of 50,000 kWh/day could be fed into the Edison Grid Ing. Romagnoli to check this figure.

3). Maj Jackson will send a letter to the power companies involved and order them:

a) to observe decree

b) to supply power surplus into Edison grid.

7. EDISON SUPPLY TO A.E.M.

1). After having rationed all the E.W. Italy Area, Edison will be able to supply to A.E.M. more electricity.

2). Will Monday 7. Jan. 46 A.E.M. has to make additional interruptions to the decree. In the meantime Edison will investigate para 5. item 2.

5045

(J.P. BURN) Capt. RE
for Lt. Col. RE
179 CRE Works.

JPB/AV.

Distribution.

C.E. 2 Distr.

Società Edison, Foro Bonaparte, 31

A.E.M. - Via Della Signora, 8

A.E. Milan.

-1-
CLASSIFIED

Ma fede il testo inglese.

175/100000
Vol: 11/1959
Ref: 179/1000/380
7. Jan. 16.

CAUTION: - INFORMATION SOURCE: CLASSIFIED

Rapporto della conferenza tenuta il 4 gennaio 1946
presso 179 U.S. Works.

Presente: Maj Jackson 172 U.S. Works.
Capt. Barn 179 U.S. Works.
Ing. Ronnegoli Edison
Ing. Antocchini A.S.N.
Ing. Ricci A.S.N.

1. RUSIAZIONE DELLA A.S.N.

1) I serbatoi contenevano al 3. Gen. 46 16,000,000 kWh.
Per evitare il prelievo avvenimento del serbatoio, la produzione
giornaliera dovrebbe essere 125,000 kWh per assicurare la pro-
duzione durante il periodo dell'inverno.

2) Bilancio di produzione.

Produzione idrica 500,000 kWh/per giorno
" termica 100,000 kWh/per giorno
" per svuotamento (25,000 kWh/per giorno)
(amministrabile)

Fornitura della Edison alla A.S.N. 600,000 kWh/per giorno
" Falck 200,000 kWh/per giorno

Consumo come a decreto
1,525,000 kWh/per giorno
2,300,000 kWh/per giorno

Deficit 775,000 kWh/per giorno

2. RUSIAZIONE DELLA A.S.N.

-2-

3. RAZIONAMENTO DELL'ELETTRICITA' PER I CONSUMATORI.

La E.E.U. e la Edison interverranno per lettera tutti i consumatori civili che ricevono servizio continuativo, perché sono sulla stessa linea dei consumatori preferiti, che essi non devono usare la corrente nei giorni razionati anche se la loro linea è sotto tensione. Se essi la usano si toglierà loro energia per un periodo da 1 a 4 settimane.

4. UTENTI MILITARI.

1). I seguenti utenti della Edison saranno razionati:

Via Hotel Regina

Banco di Napoli, Via T. Grossi, 5

14 L. of M. Signals, Via della Porta 2

vari

Via Santa 3

}} con e quando diversi accordi
}} verranno presi. Il Capt. Burn
}} lo renderà noto alla Edison.

2). Maj Jackson farà delle indagini se il pianificio del 221 Via Vitruvio può essere esentato.

3). La Edison è interessata se il 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

2). La Edison è interessata se il 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

5. RAZIONAMENTO DELLA LUCE PUBBLICA.

1). Genova Savona ecc. non razionano come è decretato. A cominciare dal 4/1/46 il decreto sarà osservato e l'ing. Lewis controllerà Genova.

2). La Edison ridurrà del 50% il rifornimento della illuminazione di Genova.

6. RAZIONAMENTO DEL NOME OFICE ITALIA.

1). La Edison controllerà il razionamento e manderà un rapporto al 172 U.S. Works e una copia al 173 U.S. Works.

2). Si sa che a Bologna non c'è razionamento. Se il razionamento fosse imposto a 50,000 kWh. al giorno potrebbero essere fornite della rete della Edison.

L'ing. Monagnoli deve controllare questa cifra.

3). Il Maggiore Jackson manderà una lettera alle compagnie elettriche interessate ordinando loro:

a) di osservare il decreto

b) di fornire la corrente in efficienza nella rete della Edison.

7. RAZIONAMENTO DELLA LUCE PUBBLICA.

veri
Via
2). Maj Jackson fece delle indagini se il pianificio del RTT Via Vitruvio
può essere esente.
3). La Edison e' interessata se il 55 F.L. A.A.P. Caserma Adriatica
può essere esente da un cavo separato.

5. RAZIONAMENTO DELLA EDISON

- 1). Genova Savona ecc. non razionano come è decretato. Il consiglio dal
4/1/15 il decreto sarà osservato e 7/15. L'edison controllerà Genova.
- 2). La Edison ridurrà del 50% il razionamento medio settimanale di
Genova.

6. RAZIONAMENTO DELLA EDISON ALLA EDISON

- 1). La Edison controllerà il razionamento e manderà un rapporto al
172 1.8. Yorks e una copia al 179 C.A. Yorks.
- 2). La Edison non c'è razionamento. Se il razionamento
fosse imposto 50,000 kWh. al giorno potrebbero essere fornite
nella rete della Edison.
- 3). Ing. Konopoff deve controllare questa cifra.

- 3). Il Maggiore Jackson manderà una lettera alla compagnia elettrica
interessante ordinando loro:
a) di osservare il decreto

- b) di fornire la corrente in efficienza nella rete della Edison.

7. RAZIONAMENTO DELLA EDISON ALLA A.S.I.

- 1). Dopo il razionamento dell'Italia S.C. sarà in effetto la Edison
sarà in grado di poter fornire maggior quantità di corrente alla
A.S.I.
- 2). Fino a lunedì 7 Gennaio 1945 in A.S.I. dove effettuerà interruzioni
addizionali oltre a quelle decretate, nello stesso tempo la Edison
consegnerà le indagini come a perseguito 3 art. 2.

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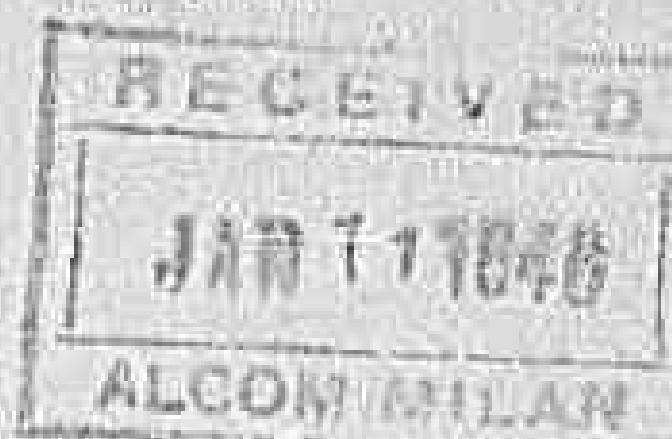
12/1/47.

W.C. J. P. PUGH Capt. R2
for Lt. Col. R2
179 C.A. Yorks.

Tel: 489081
Ext: 317

P.W.U.
LWL/cc
108
HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Sub-Commission

LWL/cc



214/PWU

8 January 1946

SUBJECT: Bids for Electric Power in Northern Italy

TO : Economic Commissioner for Northern Italy
Milan Office
(Attn: Major A. Haban)

1. Enclosed for your information is a copy of a letter addressed to the XIII Corps, no. 2 District.

2. When the Regional Commission of Northern Italy is formed at Milan, would you see that the Commission, XIII Corps, and no. 2 District are notified.

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

Enclosure: Letter to XIII Corps, No. 2 District, dated
December 31, 1945

5043

C O P Y

ALLIED FORCE LOCAL RESOURCES SECTION
AFHQ

LRS/215B/299

SUBJECT: Bids for Electric Power

TO : HQ XIII Corps.
HQ No. 2 District.

Postal Address:
AFLBS, Rome Area Allied Command
C.M.F.

Tel: ROME 66275

31 December 1945

1. AFHQ Adm. Memo No. 54 of 1945 provides for your inclusion in the military membership of the Italian Central Commission for the Distribution and Utilization of Electric Power.
2. A local Power Commission subsidiary to the Central Commission is in process of being established in North Italy. This Commission when established will receive your bids for electric power. A copy of this Section's LRS/215B/296 dated 15 Dec 45, setting out the procedure in Central and Southern Italy, is forwarded for information.
3. It is understood from HQ ALCOM Industry & Utilities Sub-Commission that the AMG and Italian officials responsible for the establishment of the Power Commission for North Italy are maintaining close liaison with you and will notify you when the Commission is ready to start.

S.J.B. Loudon, Major, DAQMG,
Chief of Section (Br)
A.F.L.R.S.

WALTER G. GREAVY, Major, QMC
Chief of Section (US)
A.F.L.R.S.

Copy to: HQ ALCOM, Industry & Utilities Sub-Commission

5042

Tel: 489081
Ext: 317

LWL/cc

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HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Sub-Commission

P.W.U.

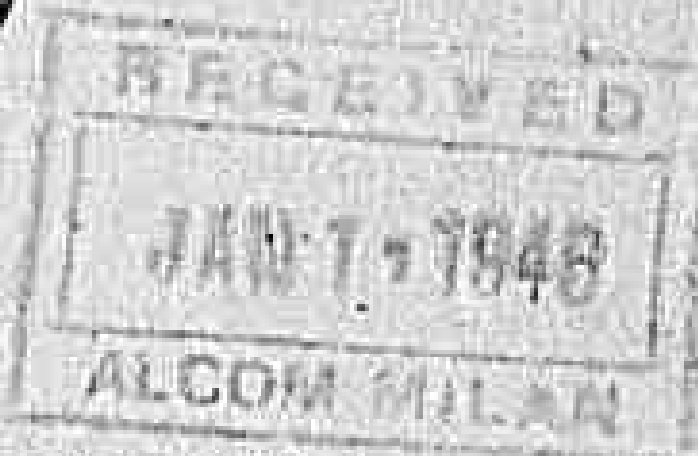
[Signature]

214/PWU

8 January 1946

SUBJECT: Bids for Electric Power in Northern Italy

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



1. When the Regional Commission for the electric power in Northern Italy is formed at Milan, please see that XIII Corps and Chief Engineer, No. 2 District, are considered as military representatives on the Commission in Milan and on the Central Commission in Rome.

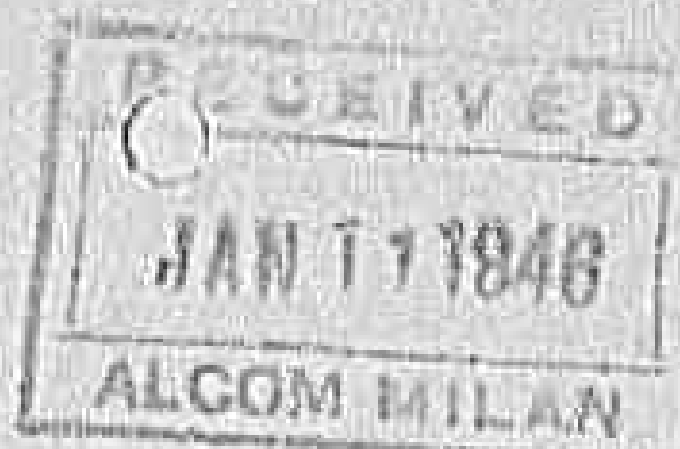
GEORGE F. PARKER,
Colonel, Inf.,
Chief Elec. Div.

Copy to: Economic Commissioner for Northern Italy
Milan Office
(Attn: Major A. Haban)

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108
Tel: 489081
Ext: 317

P.W.U.



LWL/cc

HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Sub-Commission

214/PWU

8 January 1946

SUBJECT: Electric Power for Northern Italy

TO : Economic Commissioner for Northern Italy
Milan Office
(Attn: Major A. Haban)

1. Enclosed for your information and guidance are copies of two telegrams, one from AMG, Venezic Region and reply by the Economic Commissioner, Lombardia Region and Milan, dated 31 December, together with a memorandum to the Acting Vice-President, Economic Section, dated January 7.

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

Enclosures--3

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HEADQUARTERS ALLIED COMMISSION
APO 394
ECONOMIC SECTION

ROUTING AND WORK SHEET

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

SUBJECT: Electrical Rates, North Italy

No	Date	To	REMARKS	From
2	7/2	AVP Economic Section through (1) Dir., Industry and Utilities sub-Commission (2) Chief, Supply Group	1. During the latter part of November the rapid increase in power consumption and system loads indicated emergency measures would have to be taken. It was found necessary to institute a program of rationing in order to avoid emptying the storage reservoirs upon which Northern Italy depends for its winter electric power supply. 2. In addition, it was deemed necessary to immediately place into operation the thermal plants in Northern Italy to also provide additional electric energy and arrangements were made to allocate sufficient coal to operate them. 3. Without these two measures being taken it became apparent in December that Northern Italy would be practically without power by the middle of February 1946. Normally the melting snows and rains do not begin to refill the reservoirs until sometime in March which would mean about one and one-half months of extreme shortage.	

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Page 3

No	Date	To	REMARKS	From
			4. Since all of the electric power of Northern Italy is now in a common pool, it was considered proper that the cost of operating the thermal plants be spread over all consumers in Northern Italy on the basis of energy actually used rather than requiring the power companies with the thermal plants to bear the entire cost. 5. The surcharge was determined jointly by the representatives of the Italian Ministry and all power companies concerned. This was checked by and in agreement with the Price Fixing Committee of Northern Italy and by the Northern Italy Industrial Committee. The surcharge was intended to cover only the increase in cost of the energy produced by the steam plants over the cost of hydro power. 6. With respect to the rationing program, it is anticipated that there will be enforcement difficulties and non-compliance by many users. The Italian Government is aware of this situation, but it will be entirely up to them to enforce the control measures to the best of their ability. This matter has been discussed at considerable length with the representatives of the Ministry of Public Works who are fully aware of the situation. 7. It is believed that the explanation in Economic Commissioners' cable 31 Dec. clarifies the questions raised by ANO Venetia Region in their cable 31 Dec. and that XIII Corps will take necessary steps to make rate increase applicable in that area.	

DO NOT WRITE BELOW THIS LINE

HEADQUARTERS ALLIED COMMISSION
APO 394
ECONOMIC SECTION

ROUTING AND WORK SHEET

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

SUBJECT: Electrical Rates, North Italy

No	Date	To	REMARKS	From
			Page 3 8. Major A. Haban, Electrical Officer, A.C., stationed in Milan, has been instructed to coordinate this matter with Major Cook, Electrical Engineer with XIII Corps GEORGE F. PARKER, Colonel, Inf. Chief Elec. Div.	

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Page

No	Date	To	REMARKS	2033 From

DO NOT WRITE BELOW THIS LINE

C O P Y

INCOMING MESSAGE
Headquarters Allied Commission

Originator's Ref.:

Message Centre No.: G/6557
Date Time Rec'd: Jan. 01 230
Precedence: Immediate

Date/Time of Origin: Dec. 31

From: Economic Commissioner c/o Lombardia Region AMG Milan

To: AMG Venezia Region Inf: HQ A C - Vice President Economic Section
Rome - HQ AMG 13 Corps

UNCLASSIFIED.

Reference is your cable 31012.

1. Paragraph 4 of letter ref ecnielec/108/63 does not infer that all thermal electric power terminates at Milan but indicates that thermal electric power is inadequate to fulfil electric deficit.
2. 15-20 percent of thermal electric power for North Italy is or will be generated at Mestre and Porta Marghera in Venezia Region and said power is or will be on the Adriatica grid system.
3. Regional order N. 16 this HQ Art. 9 provides for pooling of all electrical energy.
4. Subject price decree was made in collaboration with Italian Ministry of Rome.
5. Labor and Industry were represented in formulating the price decree on a North Italy scale by CIAI and CGIL.
6. Over-charge rates will be adjusted if price of fuel improves.
7. Cost of operation of steam plants was calculated jointly by the electrical engineer this HQ, by the representative of the Italian Ministry from Rome by all power camp ones concerned said figures were checked by the price fixing committee of North Italy and by the North Italy industrial committee.

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C O P Y

G 6499

RXII/036

DEC 311500

DEC 310930A

ROUTINE

AMG VENEZIE REGION

ECONOMIC COMMISSIONER C/O LOMBARDIA REGION AND MILAN

INFO : HQ ALCOM ATTENTION VICE PRESIDENT ECONOMIC SECTION HQ

AMG 13 CORPS

UNCLASSIFIED:

Reference your regional order 17 in respect electricity rates which is already published in your press. Submit there is error in reference to Tre Venezie. Regulations affecting Italy are not automatically applicable to Venezie Giulia. AM submitting your proposals to AMG 13 Corps but they must decide on merits of case in Venezia Giulia. AM issuing order today as regional order covering Venezia Euganea and Venezia Tridentina but with reluctance and only to support uniform action. Dislike any agreement raising Public Service costs without proper representation Public consumer interests. Cost of electricity already raised 150 per cent since liberation. Understand no representative of Veneto Public interests present at meeting though 1 main result is to compel 5 million Veneti mostly consuming water electricity to contribute to cost of steam electricity to city of Milan. Recommending most desirable Italian Government Authorities review position soonest possible date to secure actual costs operating thermal plants during this winter. This especially important in view present observed favourable signs

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decreased price level consumer goods and foreign currencies.

Fear this desirable tendency may be checked by rise electricity costs.

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Tel: 489081
Ext: 317

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P.W.U.
[Signature]

LWL/cc

HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Sub-Commission



214/PWU

7 January 1945

SUBJECT : Control of Electric Power in Northern Italy

TO : Economic Commissioner for Northern Italy
Milan Office
(Attn: Major A. Haban)

1. Enclosed for your information and guidance is a copy of a telegram from AFHQ dated 25 December 1945, no. C-49768, together with a copy of our reply dated 5 January, 1946, no. 9957.

2. Upon formation of the Central Commission for the control of electric power for Northern Italy and Milan, be certain that XIII Corps Rear and C. E. II District are notified of meetings and are placed on the mailing list for agendas and minutes.

George F. Parker
GEORGE F. PARKER,
Colonel, Inf.,
Chief Elec. Div.
L

Enclosures: Telegram no. C-49768 from AFHQ, 25 Dec. 1945
Telegram to AFHQ no. 9957, 5 January 1946

5034

C O P Y

Incoming Message

Headquarters Allied Commission

Originator's Ref.: C 49768

Message Centre No: 6213

Date/Time of Origin: 241859A

Date Time Rec'd: Dec. 25 1000

From: AFHQ RE GHQ

Precedence: Immediate

To: ALCOM Elect Div. PW & US/C

UNCLASSIFIED:

CONTROL OF ELECTRIC POWER IN ITALY IS SUBJECT. THIS CONFIRMS TELEPHONED MESSAGE FOR COL. PARKER THIS MORNING.

1. HOW DO ITALIAN GOVERNMENT PROPOSE TO CONTROL ELECTRICITY IN NORTH ITALY WHEN THIS REVERTS TO THEIR CONTROL IN IMMEDIATE FUTURE.

2. WILL THEY EXTEND FUNCTION OF CENTRAL COMMISSION AND APPOINT LOCAL COMMISSIONS AS IN CENTRAL AND SOUTHERN ZONES. IF SO WHERE WILL THEY BE SITUATED PARTICULARLY THE COMMISSION THAT WOULD CONTROL PART 13 CORPS AREA LESS UDINE AND VENEZIA GIULIA WHICH UNDERSTOOD WILL NOT BE HANDED BACK YET.

3. ASSURANCE IS REQUESTED THAT NO MAIN FEEDER CUTS WILL BE MADE AFFECTING 13 CORPS AREA WITHOUT DUR AND TIMELY WARNING TO 13 CORPS REAR AND THIS HQ.

4. HOW LONG IS THIS RATIONING GOING TO BE NECESSARY IN NORTH ITALY.

5. INVITATIONS NOT YET RECEIVED TO ATTEND CENTRAL COMMISSION MEETING IN ROME 29 BY DW OR CE 3 DIST BUT REPS WILL ATTEND. UNDERSTOOD AT LAST MEETING YOU WOULD ADVISE ALL CONCERNED.

6. CE 2 DIST AND CE 13 CORPS REPS ARE REQUIRED ON CENTRAL COMMISSION WHEN ITALIAN GOVERNMENT TAKE OVER IN THEIR AREAS. 7.

5033

IF YOU ARE UNABLE TO ANSWER MAY ABOVE POINTS BE PUT ON AGENDA FOR THE MEETING PLEASE. 8. INFORMATION REQUIRED MOST URGENTLY IN ORDER THAT 13 CORPS COMDT CAN BE ADVISED SITUATION.

AC DIST

5032

PUBLIC WORKS AND UTILITIES DEPARTMENT

5

1908

JAN 4

AFHQ RE OHQ

No 9957

UNCLASSIFIED

SUBJECT IS CONTROL OF ELECTRIC POWER IN ITALY PD

PARA ONE PD THIS REFERS TO YOUR TELEGRAM CHARLIE FOUR NINE SEVEN SIX EIGHT DATED TWO FIVE DECEMBER ONE NINE FOUR FIVE PD THIS ALSO CONFIRMS TELEPHONE CONVERSATION WITH MAJOR DAVY OF DIRECTORATE OF WORKS AND MAJOR LAURENCE OF ELECTRICAL DIVISION ALCON AND ALSO CONVERSATION WITH HIM IN ROME PD

PARA TWO PD THE ITALIAN GOVERNMENT IS ESTABLISHING A REGIONAL COMMISSION IN MILAN SIMILAR TO THOSE ESTABLISHED IN NAPLES CNA ROME CNA FLORENCE AND WILL BE A PART OF AND RESPONSIBLE TO THE CENTRAL COMMISSION FOR THE CONTROL OF ELECTRIC POWER BY THE ITALIAN GOVERNMENT LOCATED IN ROME PD

PARA THREE PD THE REGIONAL COMMISSION TO BE ESTABLISHED IN MILAN WILL HANDLE ALL MATTERS RELATING TO ELECTRIC POWER IN NORTHERN ITALY CNA EXCEPTING THE AREA UNDER THIRTEENTH CORPS DASH CONTROL IN WHICH CASE THE COMMISSION WILL COORDINATE TO INSURE THE SUPPLY OF ELECTRIC POWER TO THAT AREA PD MAJOR HABAN CNA ELECTRICAL OFFICER ALCON HAS BEEN INSTRUCTED TO COORDINATE WITH MAJOR COOK CNA THIRTEENTH CORPS

5031

PAGE TWO

REAR TRIESTE AND CHIEF ENGINEER DISTRO TO ENSURE THE SUPPLY OF
ELECTRICITY TO ESSENTIAL MILITARY INSTALLATIONS AND AREAS UNDER
MILITARY CONTROL PD

PARA FOUR PD THE RATIONING PROGRAM NOW IN EFFECT DOES NOT REQUIRE
THAT MAIN FEEDERS BE DISCONNECTED AND ANY SUCH MAJOR INTERRUPTIONS
ARE BELIEVED TO BE IN ERROR PD MAJOR NABAN WILL COORDINATE WITH
THE THIRTYNINTH CORPS AND DISTRO IF FURTHER REDUCTIONS BECOME
NECESSARY PD

PARA FIVE PD IT IS EXPECTED THAT RATIONING IN NORTHERN ITALY WILL
BE NECESSARY UNTIL SPRING THAW AND RAINS START SOMETIME IN LATE
MARCH OR EARLY APRIL PD

PARA SIX PD INVITATIONS TO ATTEND CENTRAL COMMISSION MEETING CMA
ROME CMA TWO NINE DECEMBER BY DIRECTORATE OF WORKS AND CHIEF
ENGINEERING DISTROBE WERE IMPLIED IN MINUTE ONE FIVE ALLIED FORCE
ELECTRIC POWER COMMITTEE MEETING CMA TWO FOUR NOVEMBER AND THEIR
LETTER ONE FIVE DECEMBER ONE NINE FOUR FIVE FILE LOVE ROGER
SUGAR SLANT TWO ONE FIVE BAKER SLANT TWO NINE SIX AND CONFIRMED
BY TELEPHONE INVITATION FROM MAJOR LAUGHLIN PD. THE MILAN

5030

PAGE THREE

REGIONAL COMMISSION OF THE CENTRAL COMMISSION ~~OF THE CENTRAL~~
~~COMMISSION~~ FOR NORTHERN ITALY WILL NOTIFY THIRTYSEVENTH CORPS AND CHIEF
ENGINEER DISTRICT OF ALL MEETINGS AND PROCEEDINGS PD IN ADDITION CMA
THEY WILL BE PLACED ON MAILING LIST AND BE INCLUDED WITH MILITARY
REPRESENTATIVES ON CENTRAL COMMISSION CMA ROME PD

PARA SEVEN PD REFERENCE YOUR PARA SEVEN AND EIGHT CMA NO ANSWER
REQUIRED PD

PARA EIGHT PD MAJOR ^{WZ}MAHER IS LOCATED IN MONTAGATINI BUILDING MILAN
PD MAILING ADDRESS IS ECONOMIC COMMISSIONER FOR NORTHERN ITALY CMA
MILAN OFFICE PD

DISTRIBUTION
Major Maher

5029

Tel: 489081
Ext: 317

FILE
Huber
LWL/cc

108
HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Sub-Commission

214/PWU

7 January 1946

SUBJECT: Electric Power Control, Italian Government, North Italy

TO : Economic Commissioner for Northern Italy
Milan Office
(Attn: Major A. Haben)

1. Enclosed herewith for your information is a copy of a letter dated 24 December 1945 which was sent to all Prefects in North Italy by the Minister of Public Works.

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

Enclosure: Translation of letter from Minister of Public Works, dated 24 Dec. 1945

5028

SUBJECT: Rationing of Electric Power Consumption
TO : All Prefects in Northern Italy

With the returning of that Province to the Italian Administration, it will be in force, among the others, the Royal Legislative Decree April 3 1944 - no. 95 published in the Gazzetta Ufficiale of April 5 1944, containing the instructions for the limitation of electric power consumption.

Disregarding the amount of curtailments considered in that decree, which were and are subjected to variations, according to local and temporary necessities, it is necessary that the decree be enforced as far as Article no. 8 is concerned, that is the appointment of Provincial Commissions.

With regard to that Article I am now pointing out that, according to instructions now being issued, in the place of the official of Consiglio Provinciale dell'Economia, two other officials, one of the local Chamber of Commerce and the other from the Ispettorato del Lavoro, will be appointed members of the Commission.

Coepted members, having specific knowledge in some technical branches, may be invited to join the Commission when required by the importance of the matter to be discussed, but in this case it would be advisable to inform the Central Commission, at the Ministry of Public Works. The Central Commission may also, when it will be necessary, appoint its own representative to attend to the meetings of any Provincial Commission.

The Commissions of Genova, Turin, Milan and Venice may also, from time to time, be requested by the Central Commission, to operate as Regional Commissions, for the coordination of the Provincial Commissions work.

Since it is now necessary that, at the end of this month, all the instructions for the electric power rationing agreed by those interested together with the responsible Italian Authorities and issued by A.M.G. with separate decrees for Liguria, Piemonte, Lombardia and Veneto be confirmed, this will be done by that Prefettura in the area in which it is responsible, with the only difference that the supervision and control attributed, by that decree, to the Economic Commission of A.M.G. are now handed over to the Central Commission at this Ministry.

2--

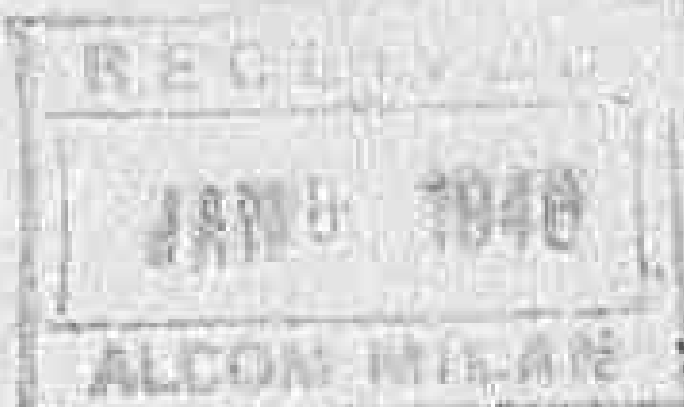
I beg to draw the attention of that Prefecture on the importance of quickly confirming the Allied instructions concerning the rationing of electric power in order to avoid any discontinuity in the handing over of this matter by A.M.G. to us. Will you also please inform this Ministry on the measures taken, possibly specifying the names of the officials appointed members of the Provincial Commission.

signed by the
Minister of Public Works

5026

Tel: 489081
Ext: 317

108



LWL/co

HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Sub-Commission

P.W.U.
Ludde

197/PWU

4 January 1946

SUBJECT: Electric Power at Verona-Vicenza Workshops of ISR.

TO : Transportation & Shipping Sub-Commission, AC
(Rail Division)
c/o Transportation (Br) Main, C.M.F.

1. In reply to your letter dated 28 December 1945, reference AC/227/MECH/Tn4, the control of electric power is now the responsibility of the Italian Government under the Ministry of Public Works.

2. The electric power for North Italy is in short supply and it has been necessary to put into effect rationing measures effecting all users. However, it has been recommended that those industries which are engaged on the rebuilding and the manufacture of electric power plant and railway equipment be given a high priority and be permitted to carry on continuous operations.

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

Copies to: Ministry of Public Works (ATT: Eng. Asta)
Economic Commissioner for Northern Italy, Milan Office
(ATT: Maj. A. Haban)
Director General ISR

5025

C O P Y

TRANSPORTATION & SHIPPING SUB-COMMISSION, AC
(RAIL DIVISION)
c/o Transportation (Br) Main
C.M.F.

Tel: 843403
Ref: AC/227/MECH/Tn4

SUBJECT : Electric Power at Verona-Vicenza Workshops of ISR.

TO : Lt. Col. Parker
P.W. & U. - Allied Commission
Chairman, Electricity Board.

1. The ISR Workshops at Verona and Vicenza report that, by order of the Provincial Authorities, the consumption of electric power must be reduced owing to the shortage of supply.
2. By such reduction the Verona workshop will be compelled to reduce its output by 30% while the Vicenza workshop will be without power for three full days of each week entailing a complete stoppage of production on those days.
3. These workshops are fully engaged on repairs to rolling stock and also on reconstruction and rehabilitation of all working Departments of the ISR and the serious consequences of such a reduction in power supply need not be stressed.
4. The ISR have given an assurance that every possible step is being taken to economise as far as possible in the use of power at these plants or it is therefore requested that they may not be subjected to a reduction in the supply of power.

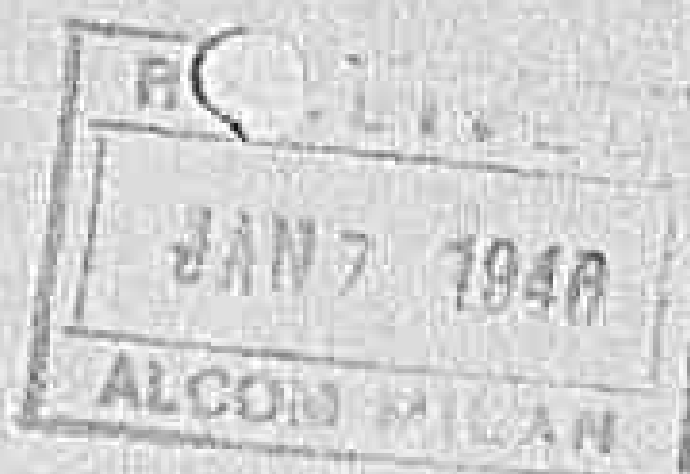
for Director

Copy to: Director General. ISR

5024

TEL: 489081
Ext: 317

1088



P.O.U

LWL/cc

[Signature]

HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Sub-Commission

197/PWU

3 January 1946

SUBJECT: Electric Power for Ansaldo Works

TO: Economic Commissioner for Northern Italy
Milan Office
(Att: Maj. A. Haban)

1. Enclosed are copies of two telegrams requesting preferential power service to the Ansaldo Works, which were received by this office from the Transportation Sub-Commission (Rails) Genoea.
2. This is for your information in connection with previous instructions with respect to preferential treatment on electric power service for those industries engaged on electrical rehabilitation work.

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

Enclosures: Telegram 22064 - 22 December 1945
Telegram 20036 - 21 December 1945

5023

C O P Y

MABA V MEKS RL 25 ROUTINE A. MEPK 22064
FROM CONWAY TN S.C. (RAILS) GENOVA - 22,1030A
TO TN INC MAIN ROME.

UNCLASSIFIED (.) FURTHER MY 20/1100A AND YOUR 0.3/21/1130 DETAILS
ELECTRIC POWER FOR ANSALDO AS FOLLOWS(.) PRIOR TO CUT CONSUMPTION
65000 TO 70000 KWH PER MONTH NOW CUT TO 45000 KWH PER MONTH (.)
LIMITED TO 44 HRS PER WEEK WITH TWO COMPLETE DAYS NO WORKING (.)
ACTUALLY NEED 54 HRS PER WEEK TO COMPLETE CONTRACTS (.) LOCATION
FOR I.S.R. WORK STABILIMENTO COSTRUCIONI CARPENTERIA GENOVA
CORNIGLIANO (.) URGENTLY REQUIRE THE TWO EXTRA DAYS IN WEEK 31 DEC
6 Jan (.) TO COMPLETE STEEL WORK FOR ZOAGLI VIADUCT (.) OSTIGLIA
BRIDGE (.)

22.12.45

5022

C O P Y

MABA V NEXS SRL 45 A/MEPK 20036
FROM CONWAY TN S.C. (RAILS) GENOVA - 201100A
TO TN INC MAIN ROME (ATTN) BUCKLEY)

UNCLASSIFIED (.) REF YOUR 0.2.17.1700A ELECTRIC POWER SHORTAGE
DETAILS ARE BEING DISCUSSED WITH ANSALDO AND WILL INFORM YOU
CEMENT SHORTAGE MAINLY DUE TO TRANSFER OF ALLOCATING FROM AMG
TO COMITATO PIETRE E TERRE (.) GENOVA COMP WILL BE OBTAINING
RELEASE NEXT WEEK (.) TURIN COMP BEHIND FOR SAME REASON PLUS
WAGGON SHORTAGE (.) AM INTERVENING TO EXPEDITE ACTION (.)

5021

TEL: 489081
Ext: 317

P.W.U

LWL/ac

HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Sub-Commission

FILE
[Signature]

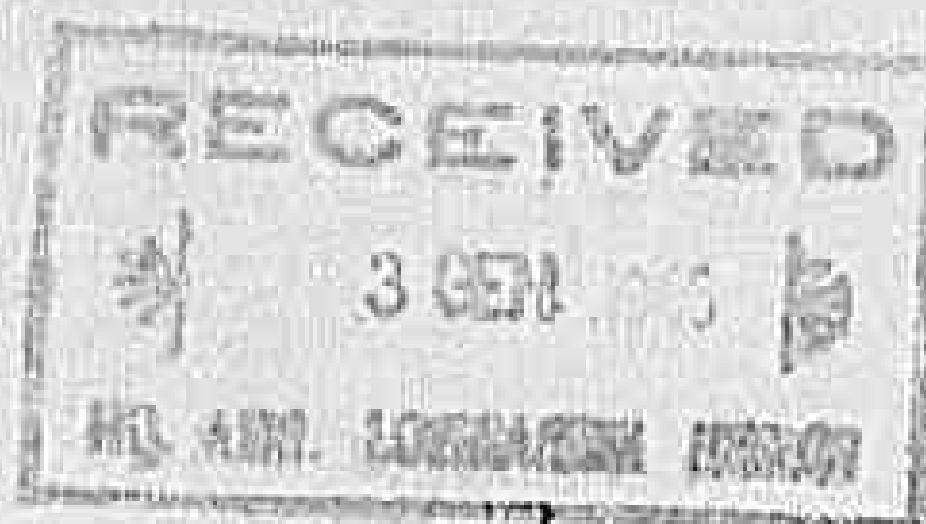
108 | 197/PWU

28 December 45

SUBJECT : Industrial Current.

TO : Economic Commissioner for North Italy, AMG.
Milan Office.
(Attn. Major Haban).

1. The attached letter from Transportation S/C., A.C., Rail Division requesting priority for electric service to the Ferrobeton shops, who are engaged on the rehabilitation of the Bormida R.R. bridge on the Genoa - Turin R.R. is passed to you in order that it may be given consideration on the priority lists.



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

Copy to: Transportation S/C.
Rail Division.

Enclosure: Letter Transportation S/C.
AC/Tn/5/30/CE - 19 December 45.

5020

TRANSPORTATION SUB-COMMISSION, A.C.,
(RAIL DIVISION)
c/o Transportation (Br) Main,
C.M.F.

19th December 1945

Tel : 843239
Ref : AC/Tn/5/30/C.E.

SUBJECT : Industrial current.

TO : Col. Parker
Chairman Electricity Board.

1. Messrs. Ferrobeton who are Contractors for major reconstruction works on the Italian State Railways are making a caisson for underwater work at the Bormida Railway Bridge on the main line, Genoa-Turin.

2. When this Bridge is complete, it will open up the direct route and so save about four hours coal per train.

3. Under this new Electricity Decree they have cut the power to

I Sigg. Ferrobeton sono gli appaltatori per grandi lavori per le Ferrovie dello Stato Ital. e stanno attualmente costruendo un cassone per lavoro sub-acque del ponte Ferrov. sulla Bormida sulla line principale Genova-Torino.

Quando il ponte sarà completato sarà aperto la linea diretta con un risparmio di circa 4 ore di carbone per treno.

Sotto i nuovi decreti sul consumo di corrente elettrica

5019

Tel. Ext. 317

GFP/ct

HEADQUARTERS ALLIED COMMISSION

Inter Office Memo

218/PWU

29 Nov 45

SUBJECT : Personnel to attend meeting at 1000 hrs.,
5 December 1945 in Milan

TO : Mr. A.H. Sullivan

FROM : Pub Wks & Util Dept.

The following is a list of personnel that should be present at meeting to be held in Milan at 1000 hours 5 Dec 45, for the purpose of discussing rationing of Electric Power in Northern Italy :

Mr. A.H. Sullivan	Director, Industry & Utilities S/C, Rome
Mr. M.C. Farmer	Industry Dept.
Mr. T.B. Allerdice	Coal Division
Lt-Col. G.F. Parker	Electrical Division
Lt-Col. W. Knight	Regional Engineer Venezia Region
Capt. T.R. Brownlee	Regional Engineer Liguria Region
1st Lt. W.J. Alsop	Regional Engineer Piemonte Region
Major A.J. Evans	Regional Engineer Lombardia Region
Major A. Jr Haban	Industry S/C, AC, Milan
Major Jackson	Elec. & Mech. Officer for No 2 Dist. Milan
Prof. M. Visentini	Insp. Gen. for Elec., Water & Gas, Ministry of Public Works, Rome.
Prof. A. Aste	Office of the Minister of Pub Wks, Rome
Prof. Tremelloni	Council of Industry for North Italy, Milan
Eng. F. Benedetto (Edison Co.)	Chairman Advisory Comm. Elec. Power N. Italy, Milan.
Eng. L. Selmo (SIP Elec. Co.)	Turin.
Eng. R. Marin	Adriatic Elec. Co., Venice.

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

5018

108/68

HYDROELECTRIC POWER IN NORTH ITALY

NAME OF COMPANY	Effective Installed kW.	Yearly Energy MkWh	Storage Capacity MkWh.
Edison (over 5,000 KW)	1,427,650	5,161.0	961.28
(under " ")	100,979	686.9	----
S.I.P. (over " ")	522,080	1,684.1	237.38
(under " ")	24,658	168.8	----
SADE (over " ")	372,310	1,475.0	82.50
(under " ")	16,887	114.8	----
MONTECATINI	206,600	1,131.1	----
A.L. FALCK	176,100	288.5	61.97
AEM MILANO	129,500	450.0	81.50
AEM TORINO	97,200	177.0	78.30
(7) SIMA	(70,000)	(430.0)	----
COGNE	68,700	372.0	----
S I T	47,800	210.9	13.35
PONALE	45,000	80.0	53.10
CISMON	40,000	169.0	----
A.C. BOLZANO	33,000	187.0	----
CARTIERE BURGO	19,500	80.0	----
S.N. ALLUMINIO	17,200	92.2	----
S. ILVA	12,200	63.1	----
S. ALLUMINIO ITALIANA	10,000	54.0	----
LINIF.E CANAP.Naz.	8,500	45.0	----
ALTO SERIO	8,500	40.0	----
ACC.TRAF.CRAVETTO	7,560	42.0	----
CAFFARO	7,000	41.0	----
IDROGRAPPA	6,800	38.0	----
FF.SS.	6,500	29.0	----
CRESPI	5,500	11.8	10.10
DEZZO	5,000	18.0	----
MINOR PLANTS (under 5,000 KW)	100,396	683.9	----
TOTALE	3,593,200	14,224.1	1,579.48
Y			

(I) Not operating due damaged diversion dam. (Excepted operation dated December 15-1945)

Milano, November, 15, 1945

5017

N. 6

COAL NOW REQUIRED FOR STEAM PLANTS, LISTING BY PLANTSJANUARY 1946

EDISON - Concenter Genova -	25.000 KW	6.000 Tons
S I P - Turbigo	15,000 "	7.000 "
S A D E- Marghera	15.000 "	7.000 "
A E M - Milano	10.000 "	3.500 "
FALCK - Sesto S. Giovanni	10.000 "	3.500 "
MONTECATINI -San Giuseppe	15,000 "	7.000 "
A E M - Torino	10.000 "	4.000 "

TOTAL

40.000 "

5016

LIST OF THE PRINCIPAL HOLDING COMPANIES AND TERRITORY IN WHICH
THEY OPERATE AND PRINCIPAL CITIES
SERVED.

EDISON GROUP

- a) - Edison - Milan Town and part of Milan. Province and part of Verona and Bolzano Province.
- b) - Comacina - Como Province -
- c) - Prealpina - Varese Province in part -
- d) - Verbanese - Varese " " "
- e) - Dinamo - Valsesia " " "
- f) - Ovesticino - Novara "
- g) - Esticino - Pavia "
- h) - Cieli - Liguria " except Genoa Town
- i) - O.E.G. - Genova " in part
- l) - SAIES - Genova " " "
- m) - Piacentina - Piacenza "
- n) - Orobis - Bergamo "
- o) - Bresciana - Brescia Province
- p) - Parma, Reggio and Modena Provinces

S.I.P.

- a) - SIP - Piemonte Province except Novara and Vercelli and in part Alessandria.
- b) - Vizzola - Part of Milan and Varese and Valtellina
- c) - Piemonte Centrale - Complementary S.I.P.
- d) - Cardano Plant.

S.A.D.E.

Three Venezie Regions

MONTECATINI supplies his own Factories

A.F.L. FALCK " " " "

A.E.M. MILANO - Milan Town

A.E.M. TORINO - Torino Town

S.I.M.A. - 1/3 Edison, 1/3 S.I.P., 1/3 SADE

COGNE - supplies his own Factories

S.I.T. - Municipal Trento

2.

PONALE - 1/2 SIP, 1/2 Adriatic

CISMON - Area of Vicenza Province

A.C. BOLZANO - Municipal Bolzano

5014

**LIST OF THE PRINCIPAL HOLDING COMPANIES AND TERRITORY IN WHICH
THEY OPERATE AND PRINCIPAL CITIES SERVED.**

EDISON GROUP

- a) Edison - Milan town and part of Milan Province and part of Verona and Bolzano Province
- b) Comacina - Como Province -
- c) Prealpina - Varese Province and part -
- d) Verbanese - Varese " " "
- e) Dinamo - Valsesia
- f) Ovesticino - Novara Province
- g) Esticino - Pavia Province
- h) Cieli - Liguria Province except Genoa Town
- i) O.E.G. - Genoa Province in part.
- l) SAIES - Genoa " " "
- m) Piacentina - Piacenza 2
- n) Orobia - Bergamo Province
- o) Bresciana - Brescia Province
- p) Emiliana - Parma, Reggio and Modena Province

S.I.P. GROUP

- a) SIP - Piemonte Province except Novara and Vercelli and in part Alessandria
- b) Vizzola - Part of Milan and Varese and Valtellina
- c) Piemonte Centrale & Complementary S I P
- d) Cardano Plants

S.A.D.E. Three Venezia Regions

MONTECATINI supplies his own factories

N. 4

AMOUNT OF POWER NORMALLY SHIPPED TO CENTRAL ITALY

By contract :

69.000 kW peak - 74,0 Million KWh in the Winter,
during Nov. Dec. Febr. March. April.

79.000 kW peak - 165,0 in the Summer.

N. 5

AMOUNT OF POWER NOW BEING SHIPPED TO CENTRAL ITALY

65.000 kW peak - 1 million daily.

5012

HYDROELECTRIC POWER IN NORTH ITALY

NAME OF COMPANY		Effective Installed kW.	Yearly Energy MkWh	Storage Capacity MkWh.
Edison	(over 5,000 KW)	1,427,650	5,161.0	961.28
	(under " ")	100,979	686.9	-----
S.I.P.	(over " ")	522,080	1,684.1	237.38
	(under " ")	24,658	168.8	-----
SADE	(over " ")	372,310	1,475.0	82.50
	(under " ")	16,857	114.8	-----
MONTECATINI		206,600	1,131.1	-----
A.L. FALCK		176,100	288.5	61.97
AEM MILANO		129,500	450.0	81.50
AEM TORINO		97,200	177.0	78.30
(7) SIMA		(70,000)	(430.0)	-----
COGNE		68,700	372.0	-----
S I T		47,800	210.9	13.35
PONALE		45,000	80.0	53.10
CISMON		40,000	169.0	-----
A.C. BOLZANO		33,000	187.0	-----
CARTIERE BURGO		19,500	80.0	-----
S.N. ALLUMINIO		17,200	92.2	-----
S. ILVA		12,200	63.1	-----
S. ALLUMINIO ITALIANA		10,000	54.0	-----
LINIF.E CAHAP.Naz.		8,500	45.0	-----
ALTO SERIO		8,500	40.0	-----
ACC.TRAF.CRAVETTO		7,560	42.0	-----
CAFFARO		7,000	41.0	-----
IDROGRAPPA		6,800	38.0	-----
FF.SS.		6,500	29.0	-----
CRESPI		5,500	11.8	10.10
DEZZO		5,000	18.0	-----
MINOR PLANTS (under 5,000 KW)		100,396	683.9	-----
TOTALE		3,593,200	14,224.1	1,579.48
Y				

(I) Not operating due damaged diversion dam. (Excepted operation dated December 15-1945)

Milano, November, 15, 1945

5011

108
TEL: 489081
Ext: 317

LWL/ac

HEADQUARTERS ALLIED COMMISSION
APO 394
Industry and Utilities Sub-Commission

FILE
paper

197/PWU

28 December 45

SUBJECT : Industrial Current.

TO : Economic Commissioner for North Italy, AMG. —
Milan Office.
(Attn. Major Haben).

1. The attached letter from Transportation S/C.,
A.C., Rail Division requesting priority of service to Ansaldo
Works, who are engaged on rehabilitation work on bridges on
The Genoa - La Spezia R.R. is passed to you in order that it
may be given proper consideration on the priority lists.

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

Copy to: Transportation S/C.
Rail Division.

Enclosure: Letter Transportation S/C.
AC/Tn5/29/CE-19 December 45.

5010

197

TRANSPORTATION SUB-COMMISSION, A.C.
(RAIL DIVISION)
c/o Transportation (Br) Main,
C.M.F.

Tel : 843239
Ref : AC/Tn5/29/C.E.

19th December 1945

SUBJECT : Industrial Current

TO : Col. Parker
PW & U - A.C.
Chairman Electricity Board

1. We have a trouble on our hands- owing to the new decree.
2. I.S.R. Reconstruction Bridge spans on the line Genoa-La Spezia, which is a main line that is urgently required for essential operation, are being delayed owing to Electric current restrictions, affecting Ansaldo works, who are repairing these steel spans.
Capt. Conway is our Officer i/c TN/AC/RAILS GENOA and is seeing what can be done from that end.
3. As these are works of Priority, to rehabilitate the main railway lines, would you see if the original current can be restored please.

For A.H. STREET, Lt. Col.

S. P. Buckley
S. P. BUCKLEY, Major RE

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
LOMBARDIA REGION

APG 394

OFFICE OF THE ECONOMIC COMMISSION FOR NORTH ITALY.

Milan 27 December '45

SUBJECT : Violation of Decree, Luna Park.

TO : Azienda Elettrica Municipale
Via Della Signora, 8
MILANO
(Attn. Ing. Interlenghi.)

1. Reference is to illumination and power supply for public amusement parks.
2. In accordance with Allied Military Government Regional Order No 16 Lombardia Region, effective 13, December 1945, Article No 76, the use of electrical energy is forbidden for amusement parks and play grounds.
3. Luna Park, corner Via Lecco, Viale Piave has not responded to provisions of the decree, par. 2, despite warnings from this Headquarters.
4. The electrical service to this establishment will be suspended without any further delay.

For the Economic Commissioner for North Italy.

Andrew Habin
ANDREW HABIN, JR.
Major C.A.C.

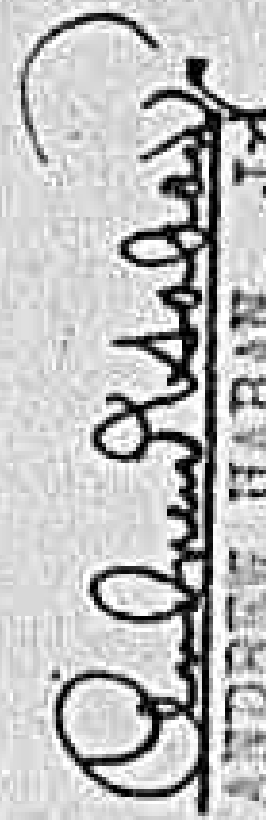
Milan 27 December '45

SUBJECT : Violation of Decree, Luna Park.

TO : Azienda Elettrica Municipale
Via Della Signora, 8
MILANO
(Attn. Ing. Interlenghi.)

1. Reference is to illumination and power supply for public amusement parks.
2. In accordance with Allied Military Government Regional Order No 16 Lombardia Region, effective 13, December 1945, Article No 75, the use of electrical energy is forbidden for amusement parks and play grounds.
3. Luna Park, corner Via Lecco, viale Piave has not responded to provisions of the decree, par. 2, despite warnings from this Headquarters.
4. The electrical service to this establishment will be suspended without any further delay.

For the Economic Commissioner for North Italy.



ANDREW HABAN, JR.

Major C.A.C.

Utilities Officer

Economic Commission?

5008

H. DQUARTERS
ALLIED MILITARY GOVERNMENT
LOMBARDIA REGION
APO 394

Office of the Economic Commission for North Italy

Tel:

Ref: ECN 1/322/108/63

AHJ/so

29 - Dec 45

SUBJECT: Electric Power

To: Regional Commissioners
LIGURIA Region
PIEMONTE "
VENEZIA "

1. The situation of electric power supply for North Italy is very serious and will not be alleviated before mid-April.
2. The Municipal Electric Company of Milano which formerly generated 70% of its own power, will have its hydroelectrical power supply completely exhausted January 6th. The Edison Company is unable to supply the total power requirements of the city of Milan unless measures are taken to augment its own supply.
3. It is therefore necessary that all electric energy of North Italy be pooled. In this case, at the present rate of electrical consumption, hydroelectric energy of North Italy will be completely exhausted before mid-February.
4. The sum total of all electric power to be produced in thermal stations is barely adequate to supply only the city of Milan.
5. Electric power supply is vitally important to military requirements, as well as to civilian, and the military authorities of No. 2 District emphasize that the provisions of the power rationing order be rigidly enforced, and if necessary, the civilian electric supply be cut to a greater extent than provided in the present decree.
6. The technical results of the present decree show a reduction of about 10 % and it is absolutely necessary that the reduction will total 25 % of the November consumption.
7. It is necessary that the most stringent action be taken to enforce the provisions of the present rationing Decree. It will be

(over)

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necessary that a few arrests be made in extreme cases of violation and application be made of the provisions of Proclamation n.1 while still in force, for disciplinary action.

8. If the rationing under present Decree does not meet the expected reductions; it will be necessary to suspend electric power supply for 3 or 4 days weekly.

9. Enclosed herein is copy of Regional Order which is to be published and given effect immediately within 31st December 1945.

Col. A.N. HANCOCK
Economic Commissioner
for North Italy.

5006

HEADQUARTERS
ALLIED MILITARY GOVERNMENT
LOMBARDIA REGION

Office of the Economic Commission for North Italy

28 December 1945

SUBJECT: Sur-charge on Electric Rates of North Italy.

TO : Economic Commissioner -
Office of Economic Commissioner for North Italy -
(Attn: Col. Hancock).

1. Reference is to necessary sur-charge to compensate financially for the high price of coal incurred by the Electric Power companies for generation of thermo-electric power, and to compensate for the inherent higher cost of electricity produced thermally for expenses other than coal consumption.

2. Because 88% of the thermal electric power generated in North Italy will be dispatched to the city of Milano directly, or indirectly, and said power will be generated at a cost of 3.4 lire per kilowatt hour at the generating station and said power costs in excess of 4.6 lire per kilowatt hour at the consumer's outlet; it was decided at a conference with and agreed by Maj. Haban of this office, Prof. Asta of the Ministry of Public Works of the Italian Government, and the electric power companies of North Italy, that the thermal-electric power be pooled in all of North Italy and that the extra financial expense of thermal generation and hydro-electric generation be met by all consumers of North Italy with a uniform sur-charge.

3. The following is a list of thermal electric stations now in operation, or which will be in operation within a few days of this date. Listed is the available generation capacity in kilowatts and the January coal allotment of each station:-

Station	Society	Kw	Kwh/daily	Coal
a) Porto Marghera	S A D E	15000	300 x 10 ³	8000
b) Concordo Genova	EDISON	29000	500	6000
c) S. Giuseppe	MONTECATINI	15000	300	7000
d) Turbigo	S I P	15000	360	8000
e) P. Trento Milano	AEM Milano	10000	190	4000
f) Sesto S. Giov.	FALCK	10000	200	4000
g) Torino	AEM Turin	10000	190	3000
				<u>40000</u>

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- 2 -

4. During the conference, par.2, it was decided that electric companies will themselves finance amortization, renewal, extraordinary maintenance, interest on capital, war damages, and other general compensation. Sur-charge rates will cover the cost of fuel plus operating expenses for: personnel, ordinary maintenance, lubricants etc., and for such other expenses that are in excess of the cost for equivalent hydro-electric generation.

5. At the conference, (par.2) it was calculated that the operating cost of thermal electric generating stations, not including coal, but including personnel plus other variable expenses, is .96 lire per thermal-generated kilowatt hour measured at the thermal station. The cost of hydro-electric power at high tension at load center is listed at .675 lire per kilowatt hour. Therefore, the difference, .96 lire minus .675 lire equals .285 lire per kilowatt hour which is excess cost of thermal-electric energy, not including coal. Instead of .285 lire the companies have agreed to a settlement of .25 lire per kilowatt hour to be collected from consumers' revenues for electrical energy generated by steam.

6. The coal allotment for thermal-electric generation for the season is a total of 120,000 tons. The average cost of coal delivered to the boiler-rooms is 3650 lire per ton, and the cost of coal for the season will thus be 438,000,000 for the season.

7. The average coal consumption per kilowatt hour was calculated to be .85 kg. per kwh, therefore, it is calculated that approximately 140,000,000 kwh will be generated with the allotted coal supply.

8. The total cost of thermal-electric power may be summed up as follows:-

a) As in par.5 the cost of .25 lire per kwh for 140,000,000 total generation will cost 35,000,000 lire for expense other than coal.

b) As in par.6 the cost of coal at 3650 lire per ton for 120,000 tons will cost 438,000,000 lire.

c)	35,000,000	par.a)
	<u>438,000,000</u>	" b)
	473,000,000 lire,	<u>total cost of 140,000,000 kwh power</u>
		<u>for the thermal-electric season,</u>
		(or 3.4 lire/kwh at the thermal station).

9. Because the coal delivered must be paid in advance of delivery or at delivery, it is necessary that the sur-charge be retro-active to 1 December 1945. It was decided that the sur-charge be divided through 5 months of electric consumer payments.

./.

- 3 -

10. It is estimated that the following will be the total generation for the 5 months period during the sur-charge.

$600 \times 10^6 \times 5 \text{ months} = 3,000,000,000 \text{ produced}$

$450 \times 10^6 \times 5 \text{ months} = 2,250,000,000 \text{ consumed}$

(allowing 25% transmission losses).

11. Because coal prices are variable, transmission losses are difficult to calculate accurately during the overloaded season, the fuel value of the coal is variable, it is impossible to calculate accurately the sur-charge for the 5 months period, but, based on figures in par.8 and par.10 it is calculated that the sur-charge will need to be at the rate of .25 lire to be collected for each kwh consumed during the 5 month season. For the 5th month the sur-charge will not necessarily be .25 lire per kwh but may be less according to the amount of money necessary to balance the cost of thermal-electric generation.

12. It was suggested that the sur-charge be divided as follows:-

$1,350 \times 10^6 \text{ kwh} \times .15 \text{ L/kwh} = 202,5 \times 10^6 \text{ lire}$

$900 \times 10^6 \text{ kwh} \times .30 \text{ L/kwh} = 270 \times 10^6 \text{ lire}$

$2,250 \times 10^6 \text{ kwh consumed} \quad 472,500,000 \text{ lire.}$

Therefore, the sur-charge suggested is:-

- a) .30 lire/kwh for energy for first 15000 kwh monthly,
- b) .15 lire/kwh for energy if used in excess of 15000 kwh monthly.

13. In cases where fuel oil was allotted in lieu of coal the cost per kwh is substantially the same as production of electric power with coal.

14. Enclosed is copy of suggested ordinance and its suggested sur-charges.


 ANDREW HABAN JR.,
 Major, C.A.C.,
 Utilities Officer
 Economic Commission.

Encl:
 copy of ordinance

5003

Th.632141
Ext. 33

EC/11.

MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB. COM.
ALLIED COMMISSION
APO 394

Ref. 108/60

Subject : Weekly Report
To : See Distribution

5, November, 1945

1. In the parag. 2 of the weekly report (weekly Production), add the figures that show how many KWh are produced with stream-water, reservoir storage and, eventually, thermal.

2. In a separate letter forward the mentioned figures for the weeks from 1st September, 1945 until to-day.

G.F. PARKER Lt. Col.
Chief Electrical Div.
Milan Office
P.W.&U. S/C. Elec.Div.

Distribution to :
Edison Co.
S.I.P.
S.A.D.E.
A.F.L. FALCK
A.M. Torino
A.EM. Milano.
S.I.T. Trento.

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Th.632141

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MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB. COM.
ALLIED COMMISSION
APO 394

Ref. 108/53

28, November, 1945

Subject : Hydroelectric Power in North Italy

To Chief : Chief Elec. Div., P.W.&U. S/C. A.C.
APO 394 U.S. Army

1. In reporting operation of Northern Italian Electrical Companies, it has been found necessary to assume an arbitrary demarkation between major and minor energy production. The total number of independent agencies generating power in North Italy number several hundred. The enclosed table enumerates the most important of these.

2. The routine reports emanating from this office will include only the Companies having a total installed capacity of over 20,000 kilowatts; these include over 90% of all North Italy installations.

3. Additional data on minor Companies is on file in this office and can be made available upon demand.

C.S. WILCOX
Major Ord.
Chief Milan Office
P.W.&U. S/C. Elec.Div.

1. Incl.
Table of North Italy
Electrical Companies.

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HYDROELECTRIC POWER IN NORTH ITALY

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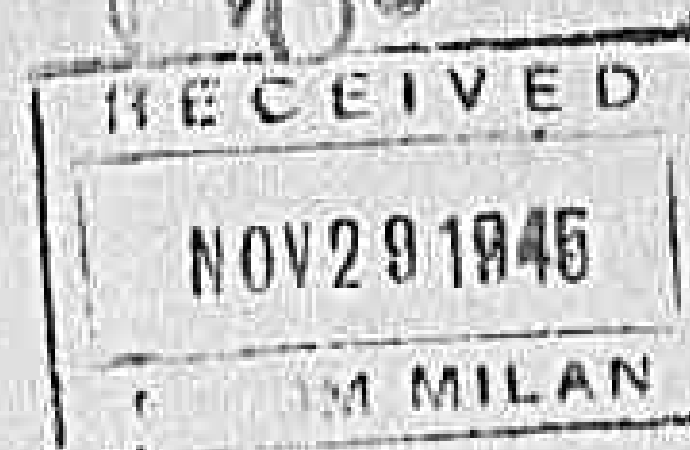
NAME OF COMPANY	Effective Installed kW	Yearly Energy MkWh	Storage Capacity MkWh
EDISON (over 5,000 kW)	1,427,650	5,161.0	961.28
(under " ")	100,979	686.9	---
S.I.P. (over " ")	522,080	1,684.1	237.38
(under " ")	24,658	168.8	---
S.A.D.E. (over " ")	372,310	1,475.0	82.50
(under " ")	16,867	114.8	---
MONTECATINI	206,600	1,131.1	---
A.P.I. PALCO	176,100	288.5	61.97
A.E.M. MILANO	129,500	450.0	81.50
A.E.M. TORINO	97,200	377.0	78.30
*) S.I.M.A.	(70,000)	(430.0)	---
COGNE	68,700	372.0	---
S.I.T.	47,800	210.9	13.35
PONALE	45,000	80.0	53.10
CISON	40,000	169.0	---
A.C. BOLZANO	33,000	187.0	---
CARTIERE BURGO	19,500	80.0	---
S.N. ALLUMINIO	17,200	92.2	---
S. ILVA	12,200	63.1	---
S. ALLUMINIO ITALIANO	10,000	54.0	---
LINIF. & CANAP. NAT.	8,500	45.0	---
ALTO SERIO	8,500	40.0	---
ACC. TRAP. CRAVETTO	7,560	42.0	---
CAFFARO	7,000	41.0	---
IDROGRAPPA	6,800	38.0	---
FF. SS.	6,500	29.0	---
CRESPI	5,500	11.8	10.10
DEBIO	5,000	18.0	---
MINOR PLANTS (under 5,000 kW)	100,396	683.9	---
TOTAL	3,593,200	14,224.1	1579.48

*) Not operating due damaged diversion dam. (Expected operation date Dec. 15, '45).

MILAN, Nov. 15, 1945

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ADVANCED HEADQUARTERS
REME INSPECTORATE



Subject:- Electricity Supplies.

HELENHEIM 345.

RI/1/15.

To:- Allied Commission,
HQ, MILAN Area.
(Public Works & Utilities).

28 Nov 45.

Confirming telephone conversation, WILCOX - FELGATE, of
28 Nov 45.

1. Details are given below of the two projects in the Milan area which are repairing engines and vehicles for the WD.
2. These projects should not be subject to the rationing of electricity by cutting off supplies.
3. The two projects are:-

(i)

(a) REME (TALIEDO) Vehicle Repair Project,
at the TALIEDO factory of 'Aeroplani
Caproni' S.A., Milano.

(b) The Electricity Supply is from,
Edison,
Milano, Soro Bonoparte, 31.
Tel: 83752.

(ii)

(a) REME (SARRONNO) Engine Repair Project,
at the CEMSA works at Saronno.

(b) The Electricity Supply is from,
Soc. Lombarda Distribuzione Energia Elettr.
Milano, Via Carducci, 14.
Tel: 80951/52/53.

[Signature]
Lt. Col.,
Senior Inspector.
REME Inspectorate.
ATTD HQ NO.2.DISTRICT.

~~(O.L. POLICE)~~

4999

Th. 632141
Ext. 33

MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB-COMM.
ALLIED COMMISSION
APO 394

CSW/ee.

Ref. : 108/59 (29-11-45)
Subject : Monthly Report concerning operation
of Northern Italian Electrical Companies.
To : Chief Electrical Division P.W. & U. S/C.
Allied Commission APO 394, U.S. Army.

JULY 31st. 1945

In accordance with HQ Alcom letter, dated 19 Sept. 1945, file n. 197/PWU. above subject, the following information relative to Electrical Companies connected to the North Italy grid, is submitted for the month of July 1945.

1. Generator & Transformer capacity repaired during the month:

Company	Name of Plant	Location	Capacity	Date
Edison	Ligonchio P.S.	Ligonchio	9.900 KVA. Tran.	End July
"	Sonico P.S.	Edolo	16.000 " "	"
"	Reggio Emilia S.S.	Reggio Emilia	18.000 " "	"
S.I.P.	Isarco P.S.	Cardano	36.000 " "	"
A.E.M. Torino	Oreo Valley	Oreo Valley	13.500 " "	22/7

2. Transmission system of 30 KV and over, repaired during the month:

Company	Transmission Line	KV	Km.	Date
FF.SS.	Collegno-Torino A.E.M.	60	7	11/7
"	Collengo-Pianezza S.I.F.	60	5	11/7
Edison	S. Michele-Reggio-S. Paolo (1 circ)	140	96	End July
"	Ligonchio -Galliciano (1 ")	70	25	" "
"	Novara-Magenta (1 ")	50	5	" "
Falck	Bovio-Genova (1 ")	75	63.4	12/7
A.E.M. Milan	Grosatto -Limite	130	138	23/7
A.E.M. Torino	Rosone-Torino	90	1.6	22/7

3. Any changes in estimates of available energy or requirements:

None



G.S. WILCOX
Maj. Ord.
Chief Milan Office.

4998

Th. 632141
Ext. 33

MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB-COMM.
ALLIED COMMISSION
APO 394

CSW/cc

Ref : 108/58 (29 Nov. 1945)
Subject : Monthly Report concerning operation
of Northern Italian Electrical Companies.
To : Chief Electrical Division P.W. & U. S/C
Allied Commission, APO 394, U.S. Army.

MAY 31st 1945

In accordance with Hq Alcom letter, dated 19 Sept. 1945, file no. 197/PWU, above subject, the following information relative to Electrical Companies connected to the North Italy grid, is submitted for the month of May 1945.

1. Generator and transformer capacity repaired during the month:

Company	Name of Plant	Location	Capacity	Date
FF.SS.	Bardonecchia P.S.	Bardonecchia	7,000 KVA Gen.	14/5
"	" "	"	7,000 " "	18/5
Edison	Reggio Emilia S.S.	Reggio Emilia	18,600 " Tra.	31/5

2. Transmission system of 30 KV and over repaired during the month:

Company	Transmission Line	KV	Km	Date
FF.SS.	Sangone-Possions (Circuit A)	60	16	4/5
"	Asti-Alessandria (" B)	60	40	10/5
"	Sangone-Afrasca	60	25	10/5
"	Bardonecchia-Collegno (1 Circ.)	60	74	14/5
"	Ceva-Garressio (1 ")	60	36	17/5
"	Carmagnola-Marzoletto (1 ")	60	30	21/5
Edison	S.Polo-Rubiera-Bologna (1 ")	140	4	19/5
"	Gorlago-Polesine-Parma (1 ")	140	13	19/5
"	Usseglio-Serni (2 ")	130	42.5	19/5
Montecat.	Mori-S. Giuseppe	130	310	6/5
A.E.Tor.	Chiamonte-Torino	50	4.5	28/5
SI.P.	Verres-Torino	130	72.5	1/5
"	Covalou-Verres	130	16.5	3/5
"	Mongiove-Pont	70	20.4	5/5
"	Ivrea-Viverone	70	14.5	5/5
"	Mirafiori-Isorolla	70	49.3	9/5
"	Venaus-Torino	70	52.2	23/5
"	Pont-Torino (Circuit A)	70	58.3	25/5
"	Pianezza-Mortara	70	4.3	27.5
"	Various Derivations Vizzola	50	20	—

3. Any changes in estimates of available energy or requirements:
None

C. S. WILCOX
Maj. Ord.
Chief Milan Office

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M. 632141
Ect. 33

MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB-COMM.
ALLIED COMMISSION
APO 394

CSW/co

Ref: : 108/57 (Nov. 29 1945)
Subject : Monthly Report concerning operation
of Northern Italian Electrical Companies.
To : Chief Electrical Division P.W. & U. S/C.
Allied Commission, APO, 394, U.S. Army.

JUNE 3rd 1945

In accordance with Hq Alcom letter, dated 19 Sept. 1945, file n. 197/PWU, above subject, the following information relative to Electrical Companies connected to the North Italy grid, is submitted for the month of June 1945.

1. Generator and transformer capacity repaired during the month:

Company	Name of Plant	Location	Capacity	Date
FF. SS.	Bardonecchia P/S	Bardonecchia	1,800 KVA Tran.	4/6
Edison	Vigevano S/S	Vigevano	3,000 " "	26/6
S.P.P.	Stella S/S	Macello	3,500 " "	6/6

2. Transmission system of 30 KV and over, repaired during the month:

Company	Transmission Line	KV	Km	Date
FF. SS.	Sangone-Collegno	60	15	1/6
"	Possione-Asti (Circuit A)	60	28	8/6
"	Narsole-Fossano	60	16	9/6
FF. SS.	Limone-S. Dalmazzo (Circuit 1)	60	26	13/6
Falck	Pintinvrea-Genova (1 Circ.) (prov.)	75	48	1/5
"	Bobbio-Pontremoli (1 ") (")	75	62.95	21/5
"	Tavazzano-Bobbio (1 ") (")	75	130.9	3/5
A.E.M. Torino	Resona-Torino	90	1.4	26/6

3. Any changes in estimates of available energy or requirements:

None



C. S. WILCOX
Maj. Gen.
Chief Milan Office.

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Th. 632141
Ext. 33

MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB-COMM.
ALLIED COMMISSION
APO 394

CSW/ec.

Ref. : 108/56 (29-11-45)
Subject: : Monthly Report concerning operation
of Northern Italian Electrical Companies.
To : Chief Electrical Division P.W. & U. S/C.
Allied Commission, APO 394 U.S. Army.

SEPTEMBER 30th. 1945

In accordance with HQ, Alcom letter, dated 19 Sept. 1945, file n. 197/PWU.
above subject: the following information relative to the Electrical Companies
connected to the North Italy grid, is submitted for the month of September 1945.

1. Generator & Transformer capacity repaired during the month:

Company	Name of Plant	Location	Capacity	Date
Edison	Bovisio S.S.	Bovisio	18.000 KVA Tran	30/9
"	Salorno P.S.	Valsavoire	1.800 " Gen.	30/9
"	Reggio Emilia S.S.	Reggio Emilia	18.800 " Tra,	30/9
"	Borgomanero S.S.	Borgomanero	5.000 " "	30/9
"	Lessona S.S.	Lessona	2.000 " "	30/9
S.I.P.	3° Salto Marmore	Castiglione Dora	25.000 " "	6/9

2. Transmission system of 30 KV and over, repaired during the month:

Company	Transmission Line	KV	Km.	Date.
Edison	Breccia-Corbatta-Arquata S. (1 oiro)	140	15	30/9
S.I.P.	Torino-Asti	70	17.3	27/9
Falok	Pontinvrea-Genova	75	96	19/9
Torino	Chiomonte-Torino	50	.3	23/9

3. Any changes in estimates of available energy or requirements:

None.



C.S. Wilcox
Maj. Ord.
Chief Milan Office.

4995

Th. 632141
Ext. 33

MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB-COMM.
ALLIED COMMISSION
APO 394

CSW/so.

Ref. : 108/55 (29-11-45)
Subject : Monthly Report concerning operation
of Northern Italian Electrical Companies
To : Chief Electrical Division P.W. & U, S/C.
Allied Commission APO 394, U.S. Army.

OCTOBER 31st 1945

In accordance with HQ. Acom letter, dated 19 Sept. 1945, file n. 197/PWU, above subject, the following information relative to the Electrical Companies connected to the North Italy grid, is submitted for the month of October 1945.

1. Generator & Transformer capacity repaired during the month:

Company	Name of Plant	Location	Capacity	Date.
Edison	Ceretti P/S	Montorese	3,200 KVA Gen.	5/10
"	Ligonchio P/S	Ligonchio	16,000 " Tran.	9/10
"	Cedegolo P/S.	Cedegolo	11,000 " "	12/10
"	Strettara P/S	Monteoreto	3,500 " Gen.	18/10
A.E.M. Torino	Rosone P/S	Valle Orco	13,500 " "	5/10

2. Transmission system of 30 KV and over, repaired during the month:

Company	Transmission Line	KV	Km.	Date.
Edison	Reggio-Rubbiera-Bologna (1 ciro.)	140	14	31/10
"	Valenza-Mede	50	14.2	31/10
"	Casalmaggiore-Colorno	60	6.6	31/10
Falok	Bobbio-Pontremoli (2° ciro.)	75	125.9	21/10

3. Any changes in estimate of available energy or requirements:

None.



C.S. WILCOX
Maj. Ord.
Chief Milan Office.

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Th. 632141
Ext. 33

MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB-COMM.
ALLIED COMMISSION
APO 394

CSW/so.

Ref. : 108/54 (29-11-45)
Subject: Monthly Report concerning operation
of Northern Italian Electrical Companies
To : Chief Electrical Division P.W. & U. S/C.

AUGUST 31st. 1945

In accordance with HQ Alcom letter, dated 19 Sept. 1945 file n. 197/PWU. above subject, the following information relative to the Electrical Companies connected to the North Italy grid, is submitted for the month of August 1945.

1. Generator & Transformer capacity repaired during the month:

Company	Name of Plant	Location	Capacity	Date.
Edison	Cividate	Cividate	22,500 KVA Tran.	31/8
"	S. Michele	Pievepelago	280. " "	31/8

2. Transmission system of 30 KV and over, repaired during the month:

Company	Transmission Line	KV	Km.	Date.
FF.SS.	Limone-S. Dalmazzo (Circ. 2°)	60	25	28/8
"	Sangone-Bussoleno (" 2°)	60	54	1/8
"	Cuneo-Limone (" 2°)	60	56	7/8
Edison	Ligonchio-Aulla (" 1)	70	20	31/8
"	Breccia-Corbetta-Castelnuovo S.	140	2	31/8
S.I.P.	Castelnuovo-Dora-P.S. Martino	130	28	18/8
Falck	Pontinvrea-Genova	75	48	11/8
Torino	Rosone-Torino	90	1.3	13/8

3. Any changes in estimate of available energy or requirements:

None:



G.S. WILSON
Maj. Ord.
Chief Milan Office.

4993

Th. 632141

Ext. 33

CSW/11.

MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB. COM.
ALLIED COMMISSION
APO 394

Ref. 108/50

26, November, 1945

Subject : Information desired from Eng. Benedetto
on electrical situation in North Italy

To : Chief Elec.Div., PW&U S/C.
A.C. APO 394 U.S. Army

1. In accordance with telephone conversation with Lt.Col. Renton, Elec.Div., on 18 October 1945, Eng. Benedetto, President of the North Italy Electrical Advisory Committee, was requested to furnish the following information :

- a) KW of available generating capacity in North Italy by months of May 1944 to present date, and an estimate of available generating capacity by months to May 1946; (this capacity to be based upon availability of water)
- b) KW demand by months from May 1944 to present date and an estimate of demand to May 1946.
- c) KWh generated by months from May 1944 to present date, and estimate by months to May 1946.
- d) Estimated KWh required by months to May 1946.
- e) Breakdown of monthly KWh generated by types of users; i.e. industrial, domestic, etc., from May 1943 to date.
- f) KWh in storage in North Italy by months from 1941 to present date. Estimate of storage to May 1946.

2. In accordance with the above request, the enclosed letter and appended reports as received by this office are forwarded for your information.

C.S. WILCOX
Major Ord.
Chief Milan Office
P.W.&U.S/C. Elec.Div.

Ino.:
Letter "Comitato Consultivo per
l'energia elettrica" 20 Nov. 1945

4992

Hereby the following tables are enclosed :

- Efficient hydroelectric power of the plants in the principal Groups of North Italy.
- Efficient termoelectric power of the plants in the principal Group of North Italy.
- Maximum load of last not-holiday Wednesday of the month of plants in the principal Groups of North Italy.
- Production of hydroelectric and termoelectric energy of the principal Groups of North Italy.

Besides we add the statistic data of Edison requested from " Public Works Ministry and delivered to Prf. Asta of Rome.
Namely :

Monthly production and purchasings out-Group in the years 1941 and 1945.

Monthly maximum peak of load from 1941 to 1945
Bimestrial saled to the users divided into cathegories - year 1941 " 1945

id. year 1941 in total percent.

" " 1945 " " "

" " 1941 and 1944 in absolute value

" " 1941 " 1944 in total percent.

Dyagram of complexive load of the net in the working day like January like August.

id. id. monthly avarage of January (exxcept Satur.

id. id. and holydays.

id. id. monthly avavage of August (" "

id. id. and holydays

Storage energy in the season-reservoirs.

File 108

ELECTRICAL MEETING

MILANO

5 November 1945

(chairman)	Prof. Visentini	Ital. Ministry
	Prof. Asta	" "
	Maj. Wilcox	P.W.A.U. S/C.
	Ing. Cipriani	" "
	Maj. Jackson	2nd D.
	Capt. Burns	110 CRE
	Ing. Benedetto	Edison Co.
	Ing. Interlenghi	A.E.M. Milano
	Ing. Chierichetti	" "
	Ing. Castellani	Montecatini
	Ing. Berni	"
	Ing. Merla	Hydrographic Service

1. Prof. Visentini called the meeting to discuss the present electrical situation in Lombardia so that existing conditions could be presented at the advisory committee meeting on 15 Nov. 1945.

2. Eng. Benedetto explained that the Edison Co. would have been confronted with a deficit of 120 million KWh even if all reservoirs had been full on the first of November. At the present date storage capacity showed an additional 160 Million KWh storage or a total winter shortage for the Edison Co. of 280 million KWh.

This estimate is made with the assumption that two hour periods of gas will be available for cooking purposes. He did not consider the deficit in KWh as important as the deficit in installed capacity. The effective installed capacity of Northern Italy is approximately 3.5 million KWh of which only approximately 60 per cent. is available to supply power during the winter months. He believes that there is a deficit in North Italy of approximately 200,000 KW which would be needed to maintain existing contracts with Valcamino and provide standard voltage and frequency.

Information about lines and plants included the following :
 the penstock of the Cinigo plant (5,500 KW) is damaged, 60 Km. of copper are needed to repair the Mori-Goito 150 KV line, 15 Km. of copper are needed to repair the Castelnuovo Scrivia-Arquate Scrivia 130 KV line to Genoa. Bussolengo and Chievo plants can be started in operation after peak flow of the Adige river is passed, probably late in November. Normal winter flow of water is 50 cubic meters in canal which is about one-half of full output. It is expected to start this winter with 10 cubic meters which will be increased to 25 cubic meters by the end of December and will generate

4990

2.

approximately one-fourth full power. At that time the 150 KV line Mori-Coito should be completed.

3. Eng. Castellani explained that Montecatini Co. would have an excess of power that could be put at Edison Co. disposal. 20 million KWh in November and 5 million KWh in the first 10 days of December are expected to be surplus. Factory production can be reduced if necessary to eliminate any deficit of power later on. He states that it is possible that Falck might be short of power.

4. Eng. Interlunghi explained that the A.E.M. Milano now had 50 million KWh in storage, last year at this date the figure was 76 million KWh. Present daily production is 300,000 KWh from storage and 600,000 KWh run of stream. Present daily load is 1,900,000 KWh of which one million KWh are purchased from Edison Co. He estimates a shortage of 150 million KWh for the winter. Municipal services including street lights, street cars, and water pumping are normally 400,000 KWh daily but at present rate are only 275,000 KWh daily. One plant of 50,000 KW capacity operates entirely from storage. He explained that a serious shortage in capacity would exist if this reservoir were allowed to run dry as the present capacity of 130,000 KW would be reduced to 80,000 KW.

5. Prof. Visentini suggested that Edison Co. help the A.E.M. Milano (no contracts exist between these Companies) during the next few days so that reservoir conditions would not be any worse on 15 Nov. when the Advisory Committee would meet. After that date it is expected that conditions would be fixed as no more water could be expected in the reservoirs due to cold weather. Plans for rationing or curtailment of power would be presented at that time.



Distribution :

Lt. Col. Parker

Maj. Jackson *[initials]*

Capt. Burns

File

C. S. Wilcox
C.S. WILCOX
Major Ord.
Chief Milan Office
P.W.&U. S/C. Elec. Div.

4989

MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB.COM.
ALLIED COMMISSION
APO 394

Ref. 108/49

21, November, 1945

Subject : Power Allocation

To : Comitato Consultivo per l'Energia
Elettrica - Via Bocaccio, 11 - Milano

1. The allocation of electricity in Italy has so far been confined to Southern and Central Italy. It has now been found to be necessary to include Northern Italy in the overall allocation plant.

2. The military Electric Power Committee in making allocation for the Month of December has decreed that a demand of 60,000 KW and a maximum energy of 30,000,000 KWH will be made available to the Central Italy grid from Northern Italy through the Ligonchio transmission network. This is expected to be a daytime load and may have the total energy decreased by 5,000,000 KWH being returned to the North from Terni during night off-peak hours.

3. The above information will be brought to your attention officially by the Italian Ministry of Public Works.

C.S. WILCOX
Major Ord.
Chief Milan Office
P.W.&U. S.C.

Th. 532141
Ext. 33

CSW/11.

MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB.COM.
ALLIED COMMISSION
APO 394

Ref. 108/43 ✓

November 2, 1945

Subject : Weekly electrical Reports

To : Regional Engineer, Venezia Region,
A.M.G., APO 394

1. Weekly reports from S.A.D.E. are being received direct through the North Italy Electric Committee. It is desired that reports continue to be forwarded to this office from S.I.T., MONTECATINI, ISARCO, BOLZANO, RONALE, CISMON, and S.I.M.A.

2. Numerous other reports from minor companies that were formerly required by the Venice Office and now are reaching this office may be discontinued.

C.S. WILCOX
Major Ord.
Chief Milan Office
P.W.&U. S/C. Elec.Div.

4987

108/42

FLORENCE

29 October 1945

Attendance :

(chairman)

Lt. Col. Cooley PHS
 Major Penachione "
 Eng. Molenni "
 Lt. Col. Renton A.C.
 Major Wilcox "

Captain Vannoy A.C.
 Dr. Landucci Valdarno
 Prof. Asta Roma Ministry
 Eng. Benedetto Edison Co.
 Eng. Legnane Valdarne

Col. Cooley explained that there was a serious water problem due to low voltage and low frequency. Conditions had been good, except for a number of service interruptions, until the early part of October. The military were anxious to withdraw all controls as soon as possible but must continue to insure adequate power for necessary installations.

Eng. Asta stated that electrical meetings were scheduled in Torino on 2 and 3 Nov.; in Milano on 4 and 5 Nov.; and in Rome on 9 Nov. to formulate plans for easing the electrical situation during the coming winter months.

Dr. Landucci stated that the Valdarno Co. had received 28,000,000 KWh during October from the Edison Co. but that according to the terms of the existing contract only 12,000,000 KWh would be available during November.

Eng. Benedetto explained that a serious water shortage threatened in North Italy and that frequencies had been dropped on both the 50 and 42 cycle networks in order to conserve power available from storage reservoirs.

Keeping frequencies constant on the present peak load of approximately 2,000,000 KW would require an additional 200,000 KW capacity. He guaranteed that the voltage at Ligonchio would not fall below 116,000 Volts and that the frequency would not fall below a minimum of 47 cycles on the 50 cycle system.

An agreement was reached whereby an additional 6,000,000 KWh would be furnished by Edison to Valdarno during the first two weeks in November. This energy to be replaced when the fourth unit at Galleto (Terni) comes into production (estimated date 15 Nov. 1945)

c.c.

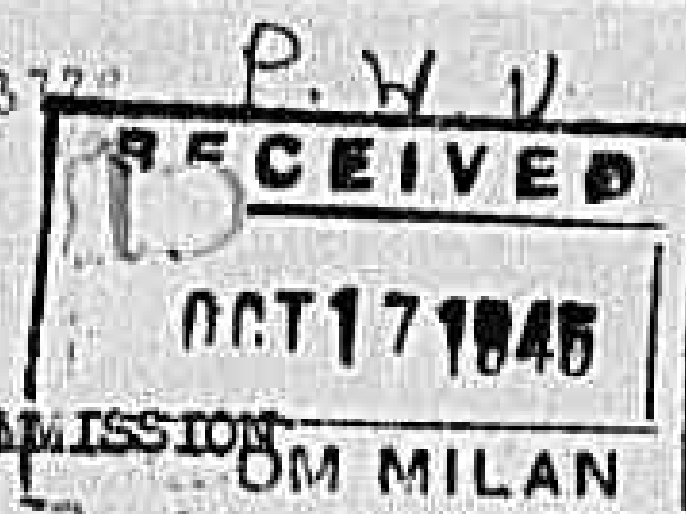
Col. Parker
 Major Ryan
 Major Jackson

C.S. WILCOX
 Major Ord.
 Chief Milan Office
 P.W.A.U.S/C. Elec. Div.

4986

Tel: 478906

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



VSR/bb

108
158/FWU

15 Oct 45

SUBJECT: Transmittal of notes covering
Electricity Supply Meetings in
Florence, 12 - 14 October.

TO : Milan Office, Electrical Division.

Transmitted herewith for your information are copies of notes,
made in connection with recent meetings in Florence, covering electricity
availability in Southern and Central Italy.

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

Incl.

Notes of 12/10 meeting.

4985

Tel : 489081 HEADQUARTERS ALLIED COMMISSION VSR/sg
 Ext : 317 APO 394
 Public Works and Utilities Sub-Commission

158/PWU.

14 October 1945

AVAILABILITY AND
 INTERCHANGE OF ELECTRICITY
 CENTRAL AND SOUTHERN ITALY
 NOTES ON MEETING 12 OCT. 1945

1. To discuss sources of additional electricity for Central Italy, and the possibility of interchanging energy between North and Central Italy, a meeting was held in the Florence Advanced Office, Electrical Division, 12 October 1945, with representatives of the Electrical Division, Allied Commission, the Italian Ministry of Public Works, and several electric companies present, as follows :

Lt.Col. V.S. Renton	) Electrical Division) Allied Commission
Major E.J. Barry	
Captain P.M. Vannoy	

Prof. A. Asta	Italian Ministry of P.Wks.
Prof. Angelini	- Terni Company
Ing. Benedetto	- Edison Company
Ing. Landucci	) Selt Valdarno Company
Ing. Lanigioli	
Ing. Pietromarchi	Central Control Room

2. Summarized below are the points brought out in the meeting :

- a. The Edison Company representative said that unless rains in North Italy start by 10 November, there will be a shortage of electricity in the north this winter, and consequently, he thought, there would be little for export.
- b. The Edison Company representative reported that arrangements are now being made to utilize some North Italy run-of-stream plants, which formerly went unused.

c. The Edison Company representative said that every effort would be made to fulfill one of their contracts with the Valdarno Company, namely to furnish 68,200,000 kilowatt-hours between 1 November and 30 April. If rains do not come, he thought that even this contract figure will be difficult to meet.

d. The Edison Company representative repeated his previous statements that the length of the transmission line between North and Central Italy would make actual prolonged interconnection a dangerous problem. In view of certain other disclosures at the meeting, this point was not pushed.

e. The Terni representative stated that the Terni Company has 30,000 kilowatts available between 2230 and 0630 hours each night, which could be used to feed the Valdarno area, and thus make up part of the Valdarno deficit which, if conditions were good, might have been supplied from the north. At the present time, the Valdarno area can absorb between 25 and 30,000 kilowatts. (At 80 percent load factor, this is about 4,800,000 kilowatt-hours per month).

f. Agreement was reached between Valdarno and Terni to carry out the scheme mentioned in e, of the foregoing, beginning on the night of 13 October. Each night at 2230 hours, the Valdarno and Terni systems will be paralleled at Villa Valle, and the Valdarno system will subsequently be disconnected from the Edison system at Pian della Rocca. Each morning at 0630 hours, the Valdarno and Edison systems will be paralleled at Pian della Rocca, and the Valdarno system will be subsequently disconnected from the Terni system at Villa Valle.

g. It was agreed to obtain the maximum energy output from the Larderelle plants during the period that the electricity shortage exists in the Valdarno system. Random daily load charts indicated the energy output of the

Larderello stations to be about 80 percent of maximum. The Valdarno Company estimates that they will be able to obtain 9 million kilowatt-hours from the Larderello Company in November. This quantity is near to the maximum energy available from the plants.

b. Additional generating facilities are scheduled to begin operations at Larderello during the ensuing months. At a meeting on 13 October, Ing. Mussi of Larderello indicated that under favourable circumstances, 22,000 kilowatts of additional capacity could enter into service by the end of the year. The construction work at the Larderello plants will be covered in a separate report.

i. After the meeting Valdarno submitted the following estimate of requirements and availability of electricity for November:

REQUIREMENTS

	<u>Maximum Kilowatts</u>	<u>Kilowatt-hours</u>
Measured At Plants	96,000	48,000,000
Measured At Customers	80,000	40,000,000

AVAILABILITY

	<u>Kilowatt-hours</u>
Edison Company	11,500,000
Larderello Company	9,000,000
Selt-Valdarno Company	8,000,000
Deficit.	19,500,000
	48,000,000

As mentioned in point e, of the foregoing, 4,800,000 kilowatt-hours of the quantity included in the deficit can be supplied from Terni at night. Valdarno estimates that the deficit should be supplied at a maximum load of between 30 and 35,000 kilowatts.

j. The 50 cycle part of the Edison system sometimes operates at 45 cycles in order to save water. Furthermore, the voltage on the receiving end at Florence is frequently low.

k. Because the Central Italy system is frequently outloaded, its frequency and voltage are also below normal.

3. This report was prepared primarily to set down the facts as brought forth in the Florence meeting. Additional study will be needed, and made, to consider the electricity availability for all of Central Italy for the coming months. However from this report, the following conclusions stand out:

a. North Italy interests are pessimistic about the availability of electricity there this winter. A better estimate of the situation can be made by 10 November, at which time, a very dry season can be expected if the rains have not started by then.

b. If the Valdarno Company's estimate of its electricity requirements are met, for November about 30 percent of the energy will have to be furnished from Central Italy (in addition to the energy now being sent from Terni each night).

DISTRIBUTION :

- 1 - B.Col. G.F. Parker
- 1 - Lt.Col.V.S. Renton
- 1 - Major E.J. Barry
- 1 - Major Wilcox
- 1 - Prof. Asta
- 1 - Ing. Pietromarchi
- 1 - File
- 1 - Float.

Tel. 632 141
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MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES S/C
ALLIED COMMISSION
APO 394

18th Oct. 1945

NOTES ON TELEPHONE CALL FROM LT. COL. RENTON, Elect. Div.,
P.W. & U. S/C ROME.

Information desired from Eng. Benedetto on electrical situation in North Italy.

1. Kw of available generating capacity in North Italy by Months of May 1944 to present date, and an estimate of available generating capacity by months to May 1946; (This capacity to be based upon availability of water).
2. Kw demand by months from May 1944 to present date and an estimate of demand to May 1946.
3. Kwh generated by months from May 1944 to present date, and estimate by months to May 1946.
4. Estimated Kwh required by months to May 1946.
5. Breakdown of monthly Kwh generated by types of users, i.e. industrial, domestic, etc., from May 1943 to date.
6. Kwh in storage in North Italy by months from 1941 to present date. Estimate of storage to May 1946.

Clarence S. WILCOX
Maj; Ord.
Chief Milan Office

4980

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CS7/11.

MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB.COM.
ALLIED COMMISSION
APO 394

(17-10-1945)

Ref.108/38

Subject : Weekly Report concerning operation
of Northern Italian Electric Companies

(Week ending)

To : Chief Electrical Division, P.W.&U. S/C.
Allied Commission, APO 394, U.S. Army.

1. In accordance with Hq. Alcom letter, dated 19 Sept. 1945, file no.197/PWU, above subject, the following information relative to electrical Companies connected to the North Italy grid, is submitted for the week ending as of the above date.

Company	15 minute Demand KW	Generation Million KWH	Storage Million KWH
Gruppo Edison			
S I P			
Adriatica			
Enel			
AEI Milano			
AEI Torino			
Montecatini			
Trentino (SIT)			
Cismon			
Ponale			
SIFA			
TOTAL			4979

Th.632141

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MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB. COM.
ALLIED COMMISSION
APO 394

CSW/11. *dyw*

Ref. 108/37

October, 15, 1945

Subject : Power shortage in North Italy.

To : Chief of Elec.Div., PW&U S/C.
Allied Commission APO 394

1. The electrical situation in Northern Italy is potentially serious. Load increases in the past month have raised energy consumption considerably above last years figures. The continued dry weather with diminishing stream flow has started withdrawal from reservoirs at an earlier date and in greater quantity than for last year.

2. Under present conditions a critical power shortage will develop before the winter is over. Of course this situation can change rapidly if any amount of rainfall is received within the next thirty days.

3. Preparing plans toward alleviating the situation as developed by the power companies consist of the following :

- a. Local governmental help in urging the evacuation of people from congested areas into the country where wood, charcoal and other forms of fuel are available to a greater extent.
- b. Co-operation of the large manufacturing companies with the power companies to change their morning working hours to an hour earlier in order to reduce peak load and increase efficiency of generation and distribution.

4. In addition to the above it is proposed to accelerate the repair work at Bussolengo in order to provide some additional output by starting generation at the Medio Adige plants. Edison and SABB Companies are co-operating in exchange of energy to provide for the gradual withdrawal of water from all reservoirs on an equal basis,

4978

for C.S. WILCOX

Major Ord.

Chief Milan Office

P.W.U.S/C. Elec.Div.

Cin

Th. 632141
Ext. 33

MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB. COM.
ALLIED COMMISSION
APO 394

CSW/11.

October, 15, 1945

Ref. 108/36 ✓

Subject : Report on hydro plants of Dro, Fies and Riva,
north of Lake Garda.

To : Chief of Elec. Div., P.W. & U. S/C.
Allied Commission, APO 394

1. At present the Riva plant of Ponale as well as the Dro and Fies plants of SIT are supplying energy to the Bresciana Co. of Edison Group. Dro and Fies, being run of stream plants with only sufficient pondage available for regulation of daily load variation, are operating at maximum stream utilization. The Riva plant with a potential storage of 53 million kWh is only producing enough energy to carry peak loads. Present storage is approximately 43 million kWh.

2. The generation from these plants for the week ending 6 October 1945 is as follows :

<u>Plant</u>	<u>kWh</u>
Riva	49,700
Dro	683,300
Fies	782,600

3. The Riva plant at present has a reduced capacity do to the large unit (35,700 KVA) being dismantled in preparation of installing pumping equipment. The remaining capacity of the two smaller units total 42,000 KVA, or approximately 33,000 KW.

4. The Edison Company plans to immediately make greater use of the Riva plant with a corresponding decrease in its stored energy.

for C.S. WILCOX
Major Ord.
Chief Milan Office
Elec. Div. P.W. & U. S/C.

4977

Cox

MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB.COM.
ALLIED COMMISSION
APO 394

OCTOBER 2, 1945

Ref. : 103/34

Subject : Information concerning operation and construction activities of northern Italian Companies.

To : Società Elettrica Crespì - BERGAMO - Via della Stazione -

1. Although a considerable amount of information concerning the operation and construction activities of the northern Italian Electric Companies has already been received at this office as well as at Regional AMG Offices, it is desired at this time to standardize on the nature of the data to be furnished in the future.
2. It is desired that your Company furnish information as out-lined in the enclosed weekly and monthly reports.
 - a) Weekly reports should be made out for each week ending on Sunday from the date of liberation (May 1945) to the present time. Max demand must exclude purchased energy.
 - b) Monthly reports should be closed as at the end of the month and should be made for the months of May, June, July, August and September.
 - c) Future weekly reports should be forwarded to this office as soon as completed, future monthly reports must be mailed in time to reach this office not later than the last day of the month reported.
3. Additional supplies of forms may be obtained from this office upon request as well as any further information regarding the technical data wanted. Thanking you for your consideration in furnishing the above, I remain.

C.S. WILSON
Major Ord.
Chief Milan Office
P.W.&U. S/C. Elec.Div.

2. Incl.

Weekly Report form
Monthly Report form.

4976

TRADUZIONE

1. Benché siano state fino ad oggi, da parte di questo ufficio ricevute una notevole quantità di informazioni riguardanti i lavori e le attività delle Società Elettriche dell'alta Italia, come anche negli uffici Regionali dell'A.M.C. si desidera adesso normalizzare quali dati dovranno essere forniti in futuro.

2. Si desidera che la vostra Società fornisca le informazioni come mostrato nella pagina posteriore degli stampati acclusi per i rapporti settimanali e mensili.

- a) Il rapporto settimanale sarà compilato per la settimana che finisce alla Domenica, a partire dalla data della liberazione (Maggio 1945), fino al presente;
- b) Il rapporto mensile sarà compilato alla fine del mese, e sarà fatto per il mese di Maggio, Giugno, Luglio, Agosto e Settembre.
- c) I futuri rapporti settimanali dovranno essere inviati a questo ufficio non appena compilati e quelli mensili dovranno essere spediti in tempo in modo che possano raggiungere questo ufficio non più tardi dell'ultimo giorno del mese di cui si tratta.

3. Si potranno avere altri stampati da questo ufficio come ogni altra informazione riguardante i dati tecnici richiesti.

Ringraziando per la vostra considerazione di fornirci quanto sopra rimango,

F.to C.S. WILCOX
Major Gen.
Chief Milan Office
P.W.S.U. S.C. Elec.Div.

Nota ;
Dal carico massimo settimanale bisogna escludere l'energia acquistata.

Th. 632141
Ext. 33

MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB. COM.
ALLIED COMMISSION
APO 394

CSW/11

October, 2, 1945

Ref. : 108/34

Subject : Information concerning operation and construction activities of northern Italian Electric Companies.

To : FERROVIE DELLO STATO = MILANO =
(Att. Capo Ufficio Impianti elettrici e segnalamento)

1. Although a considerable amount of information concerning the operation and construction activities of the northern Italian Electric Companies has already been received at this office as well as at Regional AMG Offices, it is desired at this time to standardize on the nature of the data to be furnished in the future.

2. It is desired that your Company furnish information as outlined in the enclosed weekly and monthly reports.

- a) Weekly reports should be made out for each week ending on Saturday from the date of liberation (May 1945) to the present time. ~~exclude~~ Max Demand must be purchased Energy.
- b) Monthly reports should be closed as of the 23rd day of the month and should be made for the months of May, June, July, August and September.
- c) Future weekly reports should be forwarded to this office as soon as completed, future monthly reports must be mailed in time to reach this office not later than the last day of the month reported.

3. Additional supplies of forms may be obtained from this office upon request as well as any further information regarding the technical data wanted. Thanking you for your consideration in furnishing the above, I remain.



C. S. Wilcox
C.S. WILCOX
Major Ord.
Chief Milan Office
P.W. & U. S/C Elec. Div. 4975

2 Incl.

Weekly Report Form
Monthly Report Form

TRADUZIONE

1. Benchè siano state fino ad oggi, da parte di questo ufficio ricevute una notevole quantità di informazioni riguardanti i lavori e l'attività delle Società Elettriche dell'Alta Italia, come anche negli uffici Regionali dell'A.M.G., si desidera adesso normalizzare quali dati dovranno essere forniti in futuro.
2. Si desidera che la vostra Società fornisca le informazioni come mostrato nella pagina posteriore degli stampati acclusi per i rapporti settimanali e mensili:
 - a) Il rapporto settimanale sarà compilato per la settimana che finisce il sabato, a partire dalla data della liberazione (Maggio 1945), fino al presente;
 - b) Il rapporto mensile sarà compilato chiudendo il mese al giorno 25 incluso e sarà fatto per i mesi di Maggio, Giugno, Luglio, Agosto e Settembre.
 - c) I futuri rapporti settimanali dovranno essere inviati a questo ufficio non appena compilati e quelli mensili dovranno essere spediti in tempo in modo che possano raggiungere questo ufficio non più tardi dell'ultimo giorno del mese di cui si tratta.
3. Si potranno avere altri stampati da questo ufficio come ogni altra informazione riguardante i dati tecnici richiesti. Ringraziandovi per la vostra considerazione di fornirci quanto sopra rimango.

F.to C.S. WILCOX
Major Ord.
Chief Milan Office
P.W. & U. S/C Elect.Div.

Soldato
Nota: Dal Carico Massimo Giornaliero bisogna escludere
l'Energia acquistata.

Soc. Adriatica di ElettricitàMese che finisce il 25 August 19

Oggetto : Rapporto Mensile

A : Electrical Division, Public Works & Utilities Sub.Com.
Allied Commission, Milan Office, /PO 394 U.S.Army.

1. Capacità di produzione riparata dopo la liberazione, nel mese con la ubicazione.

Nome dell'impianto	Ubicazione	Capacità riparata	Data
None			

2. Rete di trasmissione a 30 KV e oltre, riparate dopo la liberazione, e loro sviluppi in Km.

Linea di trasmissione	KV.	Km.	Data
Portomaggiore - Forlì	50	60	6 Aug.

3. Qualsiasi cambiamento intervenuto nella stima preventiva della disponibilità di energia e richieste.

None

Nota: Il presente fac-simile serve
di guida per compilare il rap-
porto nella pagina posteriore.4974
(Firma)

(Titolo)

Subject : Monthly Electrical Report
 To : Electrical Division, Public Works & Utilities Sub. Com.
 Allied Commission, Milan Office, APO 394 U.S. Army

Month ending _____ (date)

(Name of reporting Co.) _____

1. Generating capacity repaired since liberation, by months, with location

Name of Plant	Location	Capacity Repaired	Date

2. Transmission system of 30 KV and over, repaired since liberation by months, together with lengths.

Transmission Line	KV	Km.	Date

3. Any changes in estimates of available energy or requirements.

(Signature) _____

(Title) _____

MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUE. COM.
ALLIED COMMISSION
APO 394

September, 27, 1945

Ref. IO8/33

Alla : Società Elettrica Trentina

Oggetto : Dati Statistici

I. Abbiamo la vostra del 10/9/45

2. Vi facciamo notare che ci avete esposto la produzione del Mese di Agosto soltanto, e solo il complessivo del mese.

3. Dovete invece darci per lettera la produzione settimanale ed a partire dal 1 Lug io. Ci occorrono inoltre i dati di serbatoio (se ne avete), riportati in KWh.

4. Restiamo quindi in attesa :

- a) - dei dati di carico del mese di luglio, e del primo Settembre fino ad oggi.
- b) - dei dati di produzione e di serbatoio settimanali del mesi di luglio, agosto, e delle prime settimane di Settembre.

5. I dati di carico del Mese di Agosto vanno bene.

Per ordine del Maj. C.S. WILCOX
Capo dell'Ufficio di Milano

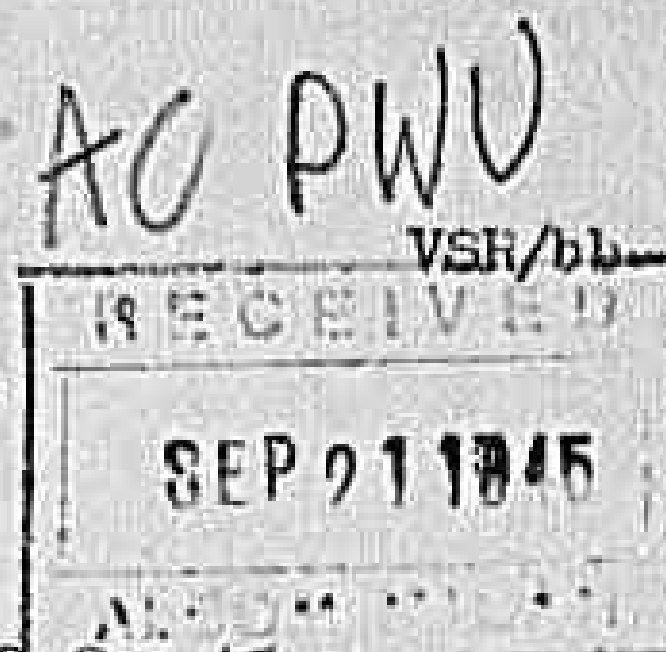
P. Cipriani
Ing. Cipriani
P. W. & U.S.C.

4973

108 ✓

Tel: 489081 Ext: 317

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



197/PWU

SUBJECT: Information concerning Operation
and Construction Activities of
Northern Italian Electric Companies.

TO : Milan Office, Electrical Division,
Public Works & Utilities Sub-Commission,

1. Although much information concerning the operation and construction activities of the Northern Italian Electric Companies is already received from the Milan Office, and the Regional Electrical Offices, it is desired at this time to standardize on the nature of the data to be furnished in the future.

2. It is contemplated that the Milan Office serve as a collecting and collating point for information covering the North Italy electric companies, and that data of the nature described below be furnished to this office from Milan. It is not intended that the Milan Office collect large quantities of data in anticipation of answering still unasked questions, since, it is believed, answers to detailed problems arising from time to time can be obtained from the electric companies concerned.

3. The information needed in this office for S.I.P., Adriatica, Edison, and independent companies, not included in the three big holding companies, but located North of the provinces of Pisa, Pistoia, Firenze and Pesaro, is shown below. It is suggested that the facilities of the companies be utilized to collect information from the smaller ones, such as Adriatica collecting from Medio Adige, Alto Veneto and Idrograppa, Edison from S.I. Trentina, Ionale and Montecatini from Bolzano and Merano.

WEEKLY

(a) Maximum demand, (one day only) preferably of fifteen minute duration.

(b) Weekly generation, Kilowatt-hours.

(c) Weekly total reservoir position (expressed in Kilowatt-hours).

4972

./.

- (d) Areas in which load is reaching maximum limit, with reason for limit, such as overloaded transmission or distribution system. Also, areas in which causes of maximum limits have been eliminated.
- (e) Reports of serious outages to important equipment, such as burn-outs of large transformers, etc.

MONTHLY

- (a) Generating capacity repaired since liberation, by months, with location.
- (b) Transmission systems of 30 KV and over, repaired since liberation by months, together with lengths.
- (c) Any changes in estimates of available energy or requirements.

4. The information to be furnished weekly may be supplied on the day found most convenient by the Milan Office. The information to be furnished monthly, should be collected so as to be collated in Milan and submitted to this office to be received by the fifth of the following month, notwithstanding the fact that for this date to be met, the data will probably have to be obtained as of say, the 25th of the previous month.

By Command of Rear Admiral STONE:

George F. Parker
GEORGE F. PARKER,
Lt-Col., Inf.,
Chief, Elec. Division.

4971

108 ✓

0 0 EW

ABOUT Lt.Col. RENTON'S QUESTIONS
on Fridat Spet. 1945

Q.- Availability of Energy to Central Italy from Edison Soc.
in the period Oct. 1945 - Apr. 1946 -

A.- It is impossible to foresee exactly, until the autumnal rains will finish, i.e. at the end of October.
In all case Edison has a contract with Valdarno Co. for 80,000 kW (peak) during the Oct. month and 70,000 kW from Nov. 945 until April 946. Through the line Ligonchio-Galliano-Tavernuzze (4 circuits now operatingn 2x130 kV and 2 x 60kV) Edison guarantees for delivery the contract quantity. Now Valdarno Co. takes only 50,000 kW (about) for lack of load.
Emiliana Co. (Edison Group) also has a contract with Valdarno Co. for 47,000 kW in Oct. Month and 30,000 kW in Nov. 1945 until April 1946, but they can't delivery Energy because the line Parneta'-Tavernuzze is still under repairing. The works in this line delay for lack of transportation. If Emiliana had two trucks and the necessary fuel the line should be ready in two months. But also, perhaps, Emiliana can't delivery all the energy of the contract because not all the Emiliana P.S. are working.
The Edison Line Brennero - S. Polo d'Enza, 1 circuit 130 KV. is operating.

Q.- Can Edison parallel with Terni System ?

A.- No - Because the line Bologna-Terni FF.SS. is not operating. Too long distance without synchronous motor between would be if this line worked.
It should be possible to supply Terni through the Valdarno network. It is necessary then to ask Valdarno too if they can do it.

Information from Ing. Maggi - Edison Co.

10/9/945

4970

Th. 12641
Ext. 2521

CSW/11.

MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB. COM?
ALLIED COMMISSION
APO 394

September 11, 1945

Ref. 108/30 ✓

Subject : Edison Co. Energy Supply to Central Italy
To : Chief Elec.Div., P.W.&U. S/C., A.C.
APO 394, U.S. Army

1. The following information relative to the availability of energy to Central Italy for the period Oct. 1945 Apr. 1946 was obtained from Eng. Maggi of the Edison Co.

a) Present Edison Co. contract with Valdarno Co. calls for :

Date	Demand kW.	Energy kWh.
October	80,000	31,000,000
Nov.-Apr.	70,000	74,800,000

Energy to be furnished through Ligornio on two 130 KW and two 60 KV circuits. Present Valdarno demand is approximately 50,000 kW.

b) The Emiliana Cp. of Edison Group has a contract with Valdarno Co. to supply :

Date	Demand kW.	Energy kWh.
October	17,000	(none)
Nov.-Apr.	10,000	25,000,000

Energy to be furnished through the Farnetta line.*
At present this line is not in operation. Two months time required for repairs. There is also some doubt as to whether the energy called for in the contract could be delivered.

c) The Edison Co. 130 KV line Brennero-S. Polo d'Enza (one circuit) is now in operation.

2. Eng. Maggi, Edison Co. states that his Company is unable to parallel with Terni system because of the long transmission line involved without synchronous machinery for voltage control. He also states that the non-operation of the Bologna-Terni FF.SS. line is an additional reason for not paralleling.

C. S. WILCOX
Major Ord.
Chief Milan Office
P.W.&U.S/C. Elec. Div.

O.S. WILCOX
Major Ord.
Chief Milan Office
Elec. Div. P.W.&U.S/C.

1. Order transmitted to Milano representative of Translators
e Laminator at Metall 20 August 1945.

Milan Office Elec. Div. P.W.&U.S. A/C. 20 August 1945
To : Chief Elec. Div. P.W.&U.S. A/C. APO 394 U S Army

1st Ind.

5968

108/95

RECEIVED Tel: 478906

7 AUG 1945

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

VSR/bb

HQ AND MEMBERSHIP

300/FWU

4 Aug 45.

SUBJECT: Purchase of Almalec Conductor for Cisterna
Electricity Supply.TO : Milano Office, Electrical Division,
Public Wks. & Util. Sub-Commission,
Att: Major Clarence Wilcox.

1. Confirming the telephone conversation today between Ing. Toscano of this office and your office, the Societa Romana di Eletticità has requested that an order be placed with the Trafilene Laminatoi di Metalli for Almalec conductor needed for the transmission line feeding Cisterna, under the following conditions:

Cross Section:	50 sq. mm.
Quantity:	4,000 Kg.
Price for redrawing:	42,50 Lire for Kg.
Payment to be made by:	Societa La Centrale, Via S. Damiano 4, Milano.

2. Within the next few days, the actual order prepared by the Societa Romana di Eletticità will be sent to you for transmission to the Trafilene Laminatoi di Metalli.

3. It is intended that all actual transactions take place between the Societa Romana di Eletticità, Societa La Centrale, and Trafilene Laminatoi di Metalli, and that the Public Works and Util. Sub-Commission will endeavor to expedite the order by utilizing means of communications at its disposal, and by aiding in securing available transportation.

for *George Parker H. Col.*
W. M. LAFPER,
Lieut-Colonel,
Chief, Elec 4907



MINISTERO DEI TRASPORTI
 PROPRIE COMUNICAZIONI
 FERROVIE DELLO STATO
 COMPARTIMENTO DI MILANO

Tipo 5

N. 1R.IE. 46811.T.808

di N. Ref. 108.21 del 26.7.45

OGGETTO: Statistica consumo
 energia elettricaUFFICIO IMPIANTI ELETTRICI
 E DI SEGNALAMENTO
 MILANO (Staz. Centrale)
 Milano // agosto 1945 - A.A Milan Office
 Electrical Division
 Public Works & Utilities
 Allied Commission
 APO 394

P.W.V.

16 AUG 1945

Non torna possibile trasmettere i dati richiesti con la circolare
 suscitata perche' l' unica Officina di produzione energia elettrica ge-
 stita da questa Amministrazione Ferroviaria nel Compartimento di Milano
 che e' quella di Morbegno, e' inutilizzata essendo stata sinistrata da
 cause di guerra. =

L'Ingegnere Capo dell'Ufficio
 Impianti Elettrici e Segnalamenti

4966

MINISTERO DEI TRASPORTI
FERROVIE DELLO STATO

Compartimento di Milano

Ref. 108/21 ✓

Milano 4/8/1945

Subject : Electric Generation Statistic

It is not possible to send the data requested with the above mentioned letter as the only power station managed by this Ferrovie dello Stato in Milano Compartiment, that is the one of Morbegno, is not working, having been damaged by caused of war.

The Chief Engineer of the
Electrical Plants Office

Illegible signature

4965

RECEIVED

D.W.O.

1 AUG 1945

Mail Office, Allied Commission
Northern H.Q., Industry Sub-Commission

NO

Date

From	To	Initials	Date
✓ Lt. Col. W. J. MASKREY			
Maj. E. MacDermot			
Maj. F. W. Tooby			
Maj. A. MacNaughton-Wright			
Maj. W. Finlayson			
Dr. Signora			
Dr. Zoro			
Dr. Gardenghi			
Mrs. A. M. Cavalli			
Industrial Liaison Officer			
Chief Clerk			

Information _____
 Action _____
 Discuss _____
 File _____
 u/F _____
 Signature _____

4963

Remarks To Message Center
Rm 123
This goes to Reg Comm.
Lombardia

Tel. 489081
Ext. 317

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

LWL/ac

Ind.

RECEIVED

Reference : 214/PWU

27 July 1945

31 JUL 1945

Subject : Power allocation for the
month of August 1945

TO AND FROM REGIONAL

To

: REGIONAL COMMISSIONER LOMBARDIA REGION
(Att. Maj. C.S. Wilcox) ✓

1. Enclosed herewith for information is copy of power allocation for the month of August 1945.

By Command of Rear Admiral, STONE,

1 enclosure

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

4962

COPY NO. 87

ALLIED FORCE LOCAL RESOURCES SECTION
AFHQ

Postal Address:
AFARS (RAMC), 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
JOHN T. WHITTAKER, Major, INF,
Secretary,
A. F. L. R. (ITALIAN) BOARD.

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

4961

COPY NO. 87

ALLIED FORCE LOCAL RESOURCES SECTION
AFHQPostal Address:
AFHQ (P&C), APO 512.

Telephone: ROME 66063

21 July 1945

LRS/215A

ALLIED FORCE LOCAL RESOURCES (ITALIAN) BOARDELECTRIC 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 AFHQ (AFHQ) Conference Room, Rome.

PRESENT:

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

Representatives of:

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

In Attendance:

Chief of Section (US), AFHQ, AFHQ
ACG, AFHQ, AFHQ

77. MINUTES OF LAST MEETING.

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

78. ALLOCATION OF POWER - AUGUST.

.. report was received from HQ ALCON on the amount of power

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 AFPS (AFHQ) Conference Room, Rome.

PRESENT:

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

Representatives of:

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

In attendance:

Chief of Section (US), AFPS, AFHQ
AFPS, AFHQ

77. MINUTES OF LAST MEETING.

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

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.

4960

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.....

- 2 -

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 LCOM 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 LCOM 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 AFHQ (AFHQ) Conference Room, ROME.

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

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
Spolito	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
Aquila	1.50	.70	1.00	.25

P.B.S.

Civitavecchia	5.50	2.00	5.00	1.00
Loghorn	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

4959

APPENDIX "A"ALLOCATION OF ELECTRIC POWER - AUGUST 1945SOUTHERN ITALY

<u>AREA SERVED</u>	<u>RESPONSIBILITY OF</u>	<u>PERMISSIBLE 15 Minute Peak KW x 10³</u>	<u>PERMISSIBLE ENERGY KWH x 10⁶</u>
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.	P.B.S.	3.50	2.20
(i) Frattamaggiore	3 District	1.50	1.00
(ii) Pomigliano	3 District	19.00	10.50
(iii) Salerno-Torre-Cast.	3 District	3.25	1.40
(iv) Benevento	3 District	1.00	0.60
(v) Colore	3 District	5.50	2.80
(vi) Santa Maria	P.B.S.		
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.	ALCOH	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

DISTRIBUTIONCOPY NO.

1/2	C-in-C Med.
3/5	Comdr., US Naval Forces North West African Waters
6	MAAF (A)
7	MAAF (B)
8	CAO, AFHQ
9	D/CAO, AFHQ
10/17	G-4 (A), AFHQ
18	G-4 (B), AFHQ (For D/MG)
19/20	G-5, AFHQ
21	Q(LE), 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	AFSC/ITO
38/39	HQ, 214 Group, RAF.
40	FA, RAF
41/43	CE, FES
44/45	BPA, FBS
46	BPA, FBS (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	SEN. LUSNO, 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

4957

Th. 12641
Ext. 2521

MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB. COM.

Ref. 108/21

26 July 1945

Subject : Electric Generation Statistic

To : See Distribution

- 1) - Statistical information pertaining to electric generation by your Company and subsidiary Companies is requested.
 - a) The total kilowatt demand at 1200 hours each day for all generating plants to be consolidated and sent to this office by phonogram.
 - b) Weekly report of kilowatt hours generated by all plants to be consolidated and mailed to this office.
 - c) Weekly report of potential electric power expressed in kilowatt hours in storage reservoirs operated by your Company to be mailed to this office.
- 2) - These reports should be started as of the first of July 1945 and continue until further notice.

Distribution :
Montecatini - Servizi Energia
Edison
SADE
SIP
FF.SS.
A.F.L. FALCK
A.M. MILANO
A.M. TORINO
A.M. BOLOGNA
SOC. PONALE
SOC. CONIEL
SOC. CISON
SOC. SIRAT
SOC. TRENTINA DI ELETTRICITA'

A2. Consorzio di Bohan
77. SS. Verona

C.S. Wilcox
C.S. WILCOX
Major Ord.
Chief Milan Office
Elec. Div. P.W. & U.S/C.

4956

Copia

CSW/11.

Ref. 108/18

23 July, 1945

Subject : Non ferreous Metals

To : War Material Disposal Section,
Lombardia Region
(Att. Capt. Booth)

1) Confirming verbal request of this date the following non-ferreous metals are required by the Edison Company and subsidiaries for rehabilitation of electric facilities :

<u>Metals</u>	<u>Tons/</u>
Copper	600
Lead	810
Aluminum	730
Zinc	51
Magnesium	2
Tin	2
Soldering Alloy	12

2) Approximately one-third of the total weights of the above materials are needed urgently. The remainder is needed prior the end of the year.

C.S. WILCOX
Major Ord.
Chief Milan Office

Distributed : Edison

4955

Th. 12641
Ext. 2521

OSW/11.

MILAN OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB. COM.
ALLIED COMMISSION
APO 394

Ref. 108/18

23, July, 1945

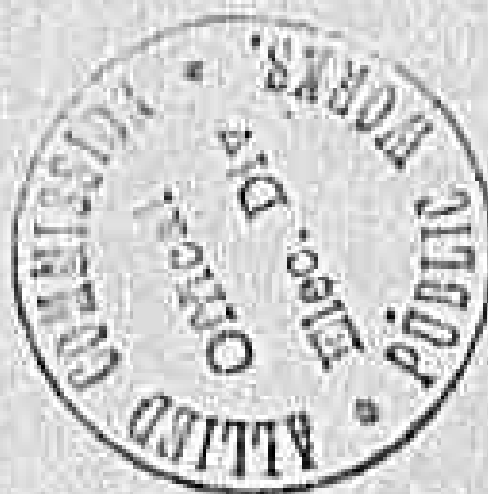
Subject : Non Ferreous Metals

To : War Materials Disposal Section,
Lombardia Region
(Att.: Capt. Booth)

1) Confirming verbal request of this date the following non-ferreous metals are required by the Edison Company and subsidiaries for rehabilitation of electric power facilities :

<u>Metal</u>	<u>Tons.</u>
Copper	600
Lead	810
Aluminum	730
Zinc	51
Magnesium	2
Tin	2
Goldering alloy	12

2) Approximately one-third of the total weights of the above raw materials are needed urgently. The remainder is needed prior the end of the year.



G. S. WILCOX 4954
Major Ord.
Chief of Milan Office

Distributed :
Edison

108

PROPOSED EDISON SUPPLY TO BOLOGNA ANDSOUTH ITALY

Originally Edison had two 120 KV lines to their S/s at Bologna, and installed in this S/S were 2 x 25,000 KVA 120/15/3 KV transformers. Both these transformers are destroyed, and now one of their 120 KV circuits is supplying the Madonna S/S (Bolognese Co.) where 1 x 15,000 KVA 120/50/15 KV transformer is working.

Edison propose to rehabilitate their S/S with the two transformers rewound for 120/50/15 KV. This will entail the creation of about 1 Km of 50 KV line to the Madonna.

The repair of the transformers is likely to be slow (about 4 months for the first), therefore they propose to use a 18,000 KVA 120/60 KV transformer already installed at Reggio and supply 50 KV to Bologna over the second 120 KV line, after repair.

It was originally estimated that 6 tons. of copper would be sufficient to repair this line, but further inspection has shown that about 13 tons. extra will be required. This, it is anticipated, can be obtained locally.

If this scheme is pursued, it will remove the possibility of supplying 50 cycles over their network for supply South.

Originally Edison had two 120 KV lines to their S/s at Bologna, and installed in this S/S were 2 x 25,000 KVA 120/15/3 KV transformers. Both these transformers are destroyed, and now one of their 120 KV circuits is supplying Tre Madonne S/S (Bolognese Co.) where 1 x 15,000 KVA 120/50/15 KV transformer is working.

Edison propose to rehabilitate their S/S with the two transformers rewound for 120/50/15 KV. This will entail the creation of about 1 Km of 50 KV line to Tre Madonne.

The repair of the transformers is likely to be slow (about 4 months for the first), therefore they propose to use a 18,000 KVA 120/60 KV transformer already installed at Reggio and supply 50 KV to Bologna over the second 120 KV line, *after repair.*

It was originally estimated that 6 Tons. of copper would be sufficient to repair this line, but further inspection has shown that about 13 Tons. extra will be required. This, it is anticipated, can be obtained locally.

If this scheme is pursued, it will remove the possibility of supplying 50 cycles over their network for supply South.

In this connection there are two alternatives :

- 1) -- Use of FF.SS line from Bolzano to Bologna.
- 2) -- Repair of Valdarno 120 KV line Ligonchio-Sperandio-Tavernuzze.

Edison state they are in a position to assist Valdarno in this work if required.

4953

Emiliana Co. have been commenced work of repairing their 60 KV section of the Farneta Pian della Rocca line and estimate 4 months will be required. This line could carry about 16,000 KW if Valdarno can repair their section.

In view of the lack of rain this year, Edison state they are already using their storage water, and are doubtful if

- 2 -

100,000 KW can be made available for export during the whole winter.

H. G. BEST

H G BEST Capt.

Milan Office

Distributed to :

Lt. Col. Lapper

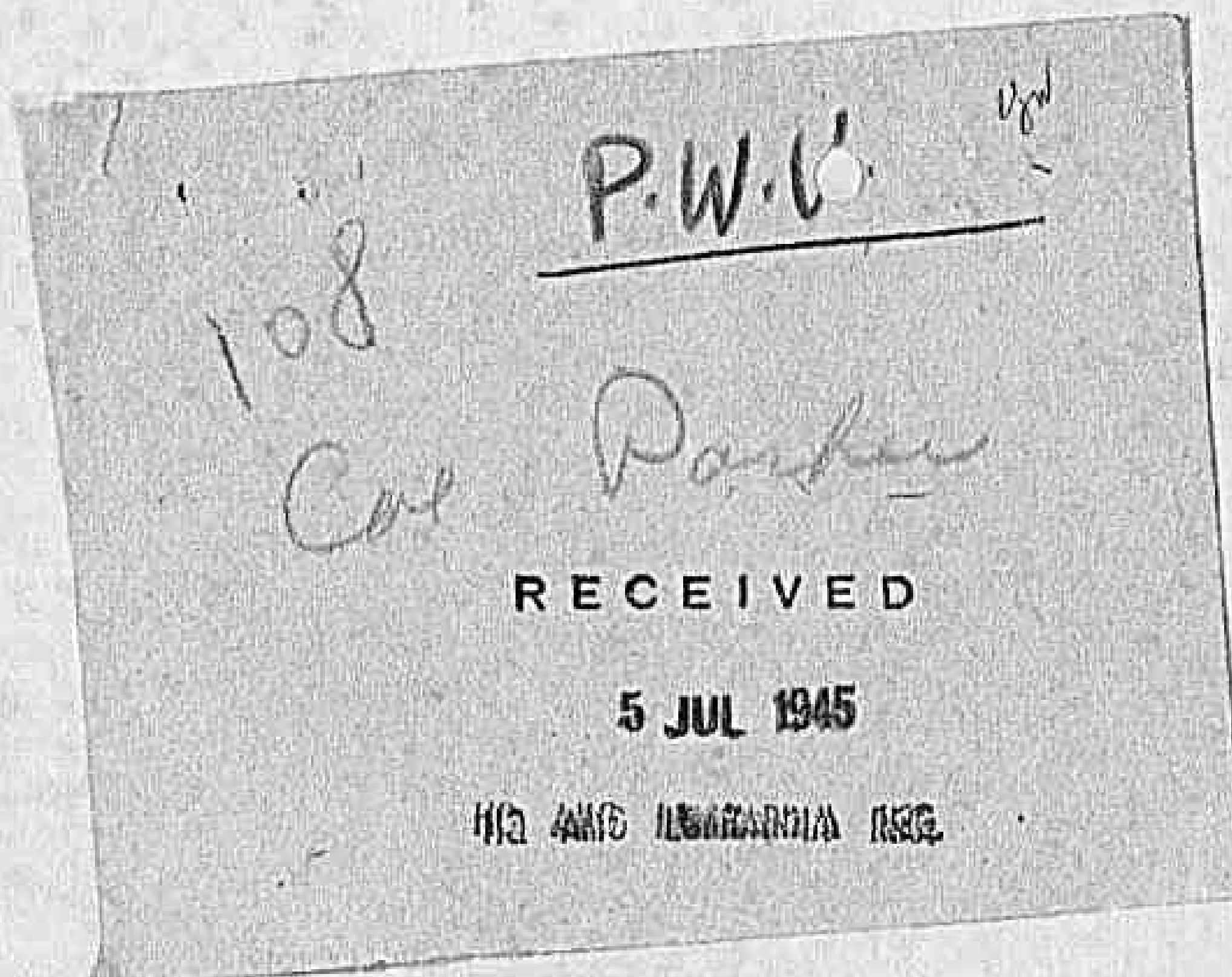
Lt. Col. Renton

Lt. Col. Parker

Major Wilcox

Major Barry

4952



108
Tel. 478906

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

1123
VSR/ac
P

Reference : 197/PWU

3 July 1945

Subject : Electricity Supply - North Italy

To : Chief Milano Office - Electrical Division
Public Works and Utilities Sub-Commission

1. Transmitted herewith for your information are copies of correspondence between Engineer Section (Br) AFHQ and the Public Works and Utilities Sub-Commission, pertaining to the subject of electricity supply in North Italy.

2. The suggestion has been made that some tyres are presently stored at the Pirelli Factory in Milan. In the event that these are not useable or available it is requested that this office be informed of the essential requirements of the North Italy electric companies.

W. M. Lapper
W.M. LAPPER
Lieut-Colonel,
Chief Elec. Div. 4951

Enclosures

Tel. 478906

HEADQUARTERS ALLIED COMMISSION.
APO 394
Public Works and Utilities Sub-CommissionHVB
VSR/ao

Reference : 197/PWU

3 July 1945

Subject : Electricity Supply North Italy
To : E. & M. Representative, Engineer
Section (Br) D.W. - A.F.H.Q.

1. Acknowledgement is made of the receipt of your letter dated 30 June 1945, subject : "Electric Power Supply - North Italy". This letter transmitted information concerning electric power facilities in North Italy. Your assistance in making this data available is very much appreciated.
2. The Electrical Division - Public Works and Utilities Sub-Commission is aware of the transportation and tyre shortage in the north and is endeavoring to relieve the situation.

For the Chief Commissioner,

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

HVB

COPY

ENGINEER SECTION (BR)
A.F.H.Q.
Tel. No. Freedom 818

Subject : Electric Power Supply - North Italy

ENG/2002

To : HQ AC - Public Utilities Section

30 June 1945

1. During the first half of this month, the E & M representative of this Directorate was obtaining information on Transmission Lines to complete our Records - APP I and II of ADW (E & M's) Tour Notes attached for your information.
2. At BOLOGNA - VERONA - MILAN - TURIN - PARMA - the directors of the Power Companies all expressed how very urgently they were in need of transport and tyres to enable them to function and continue to repair the damaged lines. At PARMA the Director stated that unless he obtained some help, he would not be able to do any service at all, in two months time. He was also experiencing difficulty as his passes for circulation were from day to day and this was a great restriction for servicing lines.
3. No doubt you are fully conversant with the above.

(signed)

G.J.S. DEURY
Lt.Col. RE
for Brigadier
Director of Works

Encl.

4950

APPENDIX C

MESSAGE FOR

Date :-13 June 45

FROM :- DISTONE

TO :- A,F,H,Q, D.T. (E & I)

AD7/E/1. Subject Electrical Transmission Sitrep NORTH ITALY

1. BOLOGNA (.) Lines unchanged (.) Load 15,000 K.W.
2. VERONA (.) 120 K.V. RIVA/ARCO OK (.) MECO/ROVERETO Slight damage (.) One line BUSOLENCO/BOLOGNA in service (.) 120 K.V. Line RIV VERONA/PADUA slight damage
3. TURINO (.) FERRATES/COVILLOU 120 KV O.K. (.) COVILLOU/STURA 120 KV O.K. one line, second line, 40 days (.) 60 KV GRESSANBI/P.S. MARTINO/VIVERONE/BIELLA/VALLE MOSSO/P.S. MARTINO/BIELLA OK (.) 60 KV VIVERO/TUREN/CHIVASSO/STURA OK (.) 60 KV P. RETI/VERCELLI OK (.) 60 KV one line P.S. MARTINO/STURA OK 2nd line in 40 days (.) 60 KV VERVALZIO/PIANEZZO/STURA OK (.) 60 KV STURA/INAFIORI OK (.) STURA/MARTINETTO OK (.) INAFIORI/STELLA/VERZUOLA/CALCINERE 60 KV OK line SE from VERZUOLA damaged (.) 60 KV MIRAFIORI/ISORELLA/ASTI OK (.) 60 KV SPIGNO/SAVONA OK (.) 230 KV to CARDANO OK (.) 120 KV LAVIS/VILLAS 2 lines OK (.) 120 KV CARDONA/LAVIS OK (.) 120 KV CROTTI/BAZZOLA OK (.)
4. Rly TURINO 60 KV 2 lines CHIOMANTE/TURIN OK (.) BAIDONECCHIA/TURINO 1 line OK (.) BUSOLENCO/ATRASCA destroyed on portion running NORTH from ATRASCA (.) SANGONE/TURIN 2 lines OK (.) SANGONE/FOSSANA/CUNEO OK (.) CUNEO/SAL D'AZZAZZO one line OK (.) BUSCA/CHEVA not yet through (.) SANGONE/ASTI/ALESSANDRIA one line OK (.) ASTI/NIZZA/ACQUI/OVADA/ACQUI/CAIRO OK (.) SANGONE/ATRASCA 2 lines O.K. (.) ATRASCA/PINEROLO O.K. (.)
5. EDISON GROUP (.) Infor from MILANO (.) 120 KV and 60 KV TURBIGO/SISTO OK (.) 60 KV Group of VIZZOLA/CASSANO/TURBIGO/PARABIAGO OK (.) 120 KV BORGOMANERO/MAGENTA/BUGGIO OK (.) All circular lines round MILANO OK (.) All lines BORGOMANERO/NOVARA/GARLASCO OK (.) Line not indicated on our map GARLASCO/SIN GUISSEPPE (near STELLA) 120 KV OK (.) 60 KV MAGENTA/PAVIA/GARLASCO OK (.) GARLASCO/MESSANO/ERONI/TORTONA/ALESSANDRIA/NOVARA/VALENZA/NOVARA/BAZZOLA/TRINO/SEPRALUNGA/VERCELLI/ROVERA/P. RETI OK (.) 60 KV MAGENTA/NOVARA/NORTA OK (.) 60 KV PLACENZA/LUDI/MELEGNO/DALMINE/LECCO and to the NORTH OK (.) 120 KV PESCENCO/CREMA OK (.) 120 KV PESCENCO/GALLARDO OK (.) 120 KV GALLARDO/ISOLA OK (.) TIU/SAN MICHELE 120 KV OK (.) REGGIO EMILIA/BORRATA/RIVALLI OK but not working conductor missing from RIVALLI to ORI (.) S. POLI/DEVAL/BRETTIO OK not working (.) MORI/S. MICHELE working (.) S. MICHELE/FORESTA OK (.) 60 KV FORESTA/PRATI OK (.) S. MICHELE/BOZZOLAGO/MILANO 60 KV OK (.) 60 KV one line CORFINO/GALLIGANO OK (.) One line GALLIGANO/DESETOLE OK (.) Edison Group supplying 8,000 KW. 50 cycles into FLORENCE (.)

- One line BUSSOLENGO/BOLOGNA in service
- VERONA/PADUA slight damage
3. TURINO (.) TURIN/COVILLO 120 KV O.K. (.) COVILLO/TURINO (.) TURIN/COVILLO line 40 days (.) STURA 120 KV O.K. one line, second line 40 days (.) 60 KV GRESSONE/P.S. MARTINO/VIVERONE/BIELLA/VALLE MOSSO/P.S. MARTINO/BIELLA OK (.) 60 KV VIVERONE/TUREN/CHIVASSO/STURA OK (.) 60 KV STURA/P.PRETI/VERCELLI OK (.) 60 KV one line P.S. MARTINO/STURA OK 2nd line in 40 days (.) 60 KV VERVALZIO/PIAVEZZO/STURA OK (.) 60 KV STURA/INAFIORI OK (.) STURA/MANTOVATO OK (.) INAFIORI/STELLA/VERZUOLA/CALCINETE 60 KV OK line SE from VERZUOLA damaged (.) 60 KV MIRAFIORI/ISORELLA/ASTI OK (.) 60 KV SPIGNO/SAVONA OK (.) 230 KV to CARDANO OK (.) 120 KV LAVIS/VILLAS 2 lines OK (.) 120 KV CARDANO/LAVIS OK (.) 120 KV CROTTI/BALZOLLA OK (.)
4. Rly TURINO 60 KV 2 lines CHIOMATE/TURIN OK (.) BADONECCHIA/TURINO 1 line OK (.) BUSSOLENGO/ATRASCA destroyed on portion running NORTH from ATRASCA (.) SANGONE/TURIN 2 lines OK (.) SANGONE/FOSSANA/CUNEO OK (.) CUNEO/SAL DALL'INIZIO one line OK (.) BUSCA/CHIVA not yet through (.) SANGONE/ASTI/ALESSANDRIA one line OK (.) ASTI/NIZZA/ACQUI/OVADA/ACQUI/CAIRO OK (.) SANGONE/ATRASCA 2 lines O.K. (.) ATRASCA/PINEROLO O.K. (.)
5. EDISON GROUP (.) Infor from MILANO (.) 120 KV and 60 KV TURBIGO/SISTO OK (.) 60 KV Group of VIZZOLA/CASANO/TURBIGO/PALMIGLIO OK (.) 120 KV BORGOMANERO/INTRA/BUGGIO OK (.) All circular lines round MILANO OK (.) All lines BORGOMANERO/NOVARA/GALLARDO OK (.) Line not indicated on our map GALLARDO/SAN GIUSEPPE (near STELLA) 120 KV OK (.) 60 KV INTRA/PAVIA/GALLARDO OK (.) GALLARDO/BRESSANO/ERONI/TORTONA/ALESSANDRIA/TOLO/VALENZA/NOVARA/BALZOLLA/TRINO/SETRALUNGA/VERCELLI/ROVERETO OK (.) 60 KV INTRA/NOVARA/NOVARA OK (.) 60 KV PLACENZA/LUDI/MELEGHINO/DALL'INIZIO/LECCO and to the NORTH OK (.) 120 KV BRESOTTO/GOGLIO OK (.) 120 KV GOGLIO/ISOLA OK (.) TEN/ST. MICHELE 120 KV OK (.) REGGIO EMILIA/BOLOGNA/RIVALLI OK but not working conductor missing from RIVALLI to GRI (.) S. POL. DERZL/BRESCIO OK not working (.) MORI/S. MICHELE working (.) S. MICHELE/FORESTA OK (.) 60 KV FORESTA/PRATI OK (.) S. MICHELE/BOZZOLAGO/MILANO 60 KV OK (.) 60 KV one line CORFINO/GALLIGANO OK (.) One line GALLIGANO/DESTEROLI OK (.) Edison Group supplying 8,000 KW. 50 cycles into FLORENCE (.)
6. PIRLA EMILIANE ESERCIZI (.) 60 KV PIRLA/COLENO/PROVIGLIO/GUASTRELLA OK (.) PROVIGLIO/R. EMILIA OK (.) PIRLA/TRECCHELLO/R. EMILIA OK (.) 120 KV ISOLA DI PALANZARO/SILVANIZZIL/R. EMILIA OK but working at 60 KV (.) 60 KV R. EMILIA/GARRI/INDINE/IRANDOL/VILLA FOLLA/SIN SIRO/MODENE OK (.) 60 KV R. EMILIA/MODENA OK (.) R. EMILIA/LE PLANE OK (.) MODENA/LE PLANE OK (.) MODENA/CRIVALCORE/ST. PIETRO IN C./MODENA OK (.) CREVALCORE/IRANDOLA OK (.) 130 KV FARNET/POLINARGO/LE PLANE OK but working at 60 KV (.) 60 KV FARNET/POLINARGO/LE PLANE OK (.) POLINARGO/STRETTARE/SAN MICHELE 60 KV OK (.)
7. FERARA Electrica Padana (.) 120 KV Line DOLO/PORTO MAGGIORE repaired with exception one pylon, in service in one week (.) 50 KV PORTO MAGGIORE/BOLOGNA in service at 15 KV owing to 3 temporary pylons in service at 50 KV in one week (.) 50 KV FERRARA/BOLOGNA/BOLOGNA OK using Rly Bologna to BOLOGNA (.) FERRARA/BOLOGNA/BOLOGNA OK (.) service in one week at 50 KV (.) 50 KV PORTO MAGGIORE/BOLOGNA OK (.) 50 KV BOLOGNA/BOLOGNA OK working at 10 KV (.) PORTO MAGGIORE/BOLOGNA OK (.) 50 KV BOLOGNA/BOLOGNA OK (.) 50 KV BOLOGNA/BOLOGNA OK in service 30 days (.)

(Signed) G.J.S. DAVID, Lt. Col. R.E.
A.D.T. (E & H)

APPENDIX 2.MESSAGE FORM

FROM: DISTONE

DATE: 14 JUNE 45

TO : D.7. A.F.H.Q.

ADT/EM/2. SUBJECT: Electrical Trans. Sitrep NORTH ITALY.

VENICE ADRIATICA (.) 120 KV Line DOLO/PORTOLEGHORE now repaired working 10 KV supplied by small network from ROVIGO (.) This net also feeds ADRIA/CODOGNÈ at 10 KV (.) 60 KV BATTAGLIA/PONTIUNTO/CHIOGGIA O.K. (.) 120 KV SORIO/DOLO/LARGHERIO O.K. Jumps on to 120 KV line and feeds BATTAGLIA at 120 KV (.) 50 KV PADOVA/LESTRE/VENICE O.K. (.) 120 KV FADAITO/LARGHERA O.K. 60 KV CAIENA/VENICE O.K. (.) 50 KV NOVE/CASTEL-LETO/CANE 2 lines to MAFESIO/UDINE/VILLA OPICINA O.K. (.) 120 KV CLEVA/REDIPUGLIA/OPICINA O.K. (.) 50 KV MONFALCONE/GORIZ O.K. (.) 120 KV VILLA OPICINA/DUELLARI O.K. working at 10 KV owing to steel conductors in places (.) 60 KV VILLA OPICINA/LITTUGLIE one line ALBONA/POLLA/S.VINCENTI one line O.K. 120 KV FADAITO/PELOS/LUS/CINCETIGNE/VILLAI O.K. (.) 120 KV LAVIS/VELLI repaired both lines not operating power NOT required (.) 50 KV POZZOLIGO/LIRANO O.K. (.) 50 KV LIRANO/VICENZA/PADOVA/BASSANO/PIEDALTO O.K. (.) 120 KV VILLAI/LARGHERA 1 circuit O.K. (.) 120 KV SAN SILVESTRO/MOLINE/LARGHERA one circuit O.K. but not working power NOT required (.) 50 KV MOLINETTO/TREVISO O.K. (.) 50 KV SORIO/OSTIGLIA O.K. operating 10 KV (.) 50 KV OSTIGLIA/VILLAI POLLA PO crossing destroyed (.) 50 KV LEHLIGO/TORRIGELLA (.) 50 KV RIVA/VOSARNO O.K. (.)

SITREP ends (.) Proceeding Rear Eighth today

(SGA) G.J.S. DRURY, Lt. Col., R.E.
A.D.7. (E & L)

Ph. 12641

Ext. 2521

G.H.B./11.
lot Parker

MILAN OFFICE

ELECTRICAL DIVISION

PUBLIC WORKS & UTILITIES SUB. COM.

ALLIED COMMISSION

A P O 394

July, 3, 1945

108/11

Subject : Electricity supply to South Italy

TO : Electrical Division P.W.&U.
(Attention Lt. Col. Lapper)

- 1) - Attached are some notes on the various stages of export of energy to South Italy compiled in conjunction with the Edison Co.
- 2) - The majority of materials are now on site for the completion of the 120 KV line Ligonchio-Galliano and it is hoped to be ready for 9 July.
- 3) - With regard to the 5th stage, Edison propose to visit Bologna and discuss the alternatives available with the EFSS and Bolognese Co. It would appear, for a long term policy, to be advantageous for Edison to have a 120 KV link with the EFSS, rather than a second line to the Bolognese Co. Edison have the necessary towers available.
- 4) - Edison are very concerned about the availability of synchronous machinery in the Terni area when a line of about 500 km length is employed. They would very much like to have a meeting with the *Edison Co.* in the next month or

July, 3, 1945

108/11

Subject : Electricity supply to South Italy

: Electrical Division P.W.&U.

To : Lt. Col. Lenny
(Attention Lt. Col. Lenny)

- 1) - Attached are some notes on the various stages of export of energy to South Italy compiled in conjunction with the Edison Co.
- 2) - The majority of materials are now on site for the completion of the 120 KV line Ligonchio-Galliano and it is hoped to be ready for 9 July.
- 3) - With regard to the 5th stage, Edison propose to visit Bologna and discuss the alternatives available with the FESS and Bolognese Co. It would appear, for a long term policy, to be advantageous for Edison to have a 120 KV link with the FESS, rather than a second line to the Bolognese Co. Edison have the necessary towers available.
- 4) - Edison are very concerned about the availability of synchronous machinery in the Terni area when a line of about 500 Km length is employed. They would very much like to have a meeting with the Terni Co. in the connection within the next month or two.

Distributed to :
Maj. Barry
Maj. Wilcox

GEORGE T. PARKER
Lt. Col. Inf.

CHIEF OF MILAN 1945
Elco. Div. P.W.&U. S/O.S.

NOTES ON 50 CYCLE SUPPLY TO SOUTH ITALY

1st Stage 42 cycles from North at 120 KV to S. Polo
 (12,000 KW) S. Polo 20,000 KVA 120/60 transformer
 10 June Line 544 60 KV to Predare
 20,000 KVA frequency converters (42/50 cycles)
 50 cycles lines 218 and 217 (Valdarno) 60 KV to Pian d. Rocca
 (Note losses in converters are large)

2nd Stage Stage I, and in addition :
 24,000 KW 50 cycles (20,000 KVA) direct from Civitate at 60 KV over
 120 KV lines 565,553 and 543 to Ligonchio
 One circuit 60 KV line 540 (Edison) to Pian della Rocca
 (note this circuit is paralleled at Predare with synchronous
 machinery)

1 July

3rd Stage Stage I, and in addition :
 52,000 KW 50 cycles (40,000 KW) direct from Civitate at 120 KV over
 9 July lines 565,553,543 and 541 to Pian della Rocca

4th Stage Stages I and III, and in addition :
 10 July Repair of 2 x 10,000 KVA 120/70/7 KV transformers at
 Ligonchio will allow 1 x 9,000 and 1 x 15,000 KVA
 Synchronous condensers to operate, and also energize 60 KV
 line 540 (Edison) .
 This combination should increase the capacity somewhat,
 depending on the Power Factor of the load.

60,000 KW ?

5th Stage Stages I, III and IV, and in addition :
 100,000 KW 50 cycles direct from Trento area at 120 KV over one Edison
 Circuit under repair between Mori and Reggio Emilia.
 Reggio-Bologna second Edison 120 KV line after repair.
 New 120 KV line from Edison S/s to Tre Madonnae (10 Km),
 or from Edison S/s to S. Viola (2.5 Km). ^{along} SADE
 If via Tre Madonnae the line would continue ~~along~~
 120 KV line towards Forlì until the crossing point of
 the FFSS line.
 Edison would however much prefer to erect a permanent

2nd Stage
24,000 KW

1 July

Stage I, and in addition :
50 cycles (20,000 KVA) direct from Civitate at 60 KV over
120 KV lines 565,553 and 543 to Ligonchio
One circuit 60 KV line 540 (Edison) to Pian della Rocca
(note this circuit is paralleled at Predare with synchronous
machinery)

3rd Stage
52,000 KW
9 July

Stage I, and in addition :
50 cycles (40,000 KW) direct from Civitate at 120 KV over
lines 565,553,543 and 541 to Pian della Rocca

4th Stage
10 July
60,000KW?

Stages I and III, and in addition :
Repair of 2 x 10,000 KVA 120/70/7 KV transformers at
Ligonchio will allow 1 x 9,000 and 1 x 15,000 KVA
Synchronous condensers to operate, and also energize 60 KV
line 540 (Edison).
This combination should increase the capacity somewhat,
depending on the Power Factor of the load.

5th Stage
100,000 KW

Sept.

Stages I, III and IV, and in addition :
50 cycles direct from Trento area at 120 KV over one Edison
Circuit under repair between Meri and Reggio Emilia.
Reggio-Bologna second Edison 120 KV line after repair.
New 120 KV line from Edison 3/s to Tre Madonne (1.0 Km),
or from Edison 3/s to S. Viola (2.5 Km). ~~along~~ SADE
If via Tre Madonne the line would continue ~~along~~
120 KV line towards Forlì until the crossing point of
the FFSS line.

Edison would however much prefer to erect a permanent
line to S. Viola, if the FFSS can repair their Refredì-S. Viola
line. (Edison are willing to assist the FFSS).

4946

-2-

Alternatively the EFSS 120 KV line may be repaired from Trento to Bologna before the Edison lines. In any case, about 15,000 IVA of synchronous equipment should be available at Terni, if this line is proceeding beyond Florence.

Distributed to :

Lt. Col. Lapper ✓
Lt. Col. Parker
Maj. Wilcox
Maj. Barry

4945

108
Tel. 489082
Ext. 317

RECEIVED
HEADQUARTERS ALLIED COMMISSION
APO 394
Public Works and Utilities Sub-Commission
16 JUN 1945

WHL/cc
HVB
P
PWU

197/PWU HQ Army Liaison REG.

15 June 45.

SUBJECT: Electricity North Italy.

TO : Lt. Col. G.F. PARKER,
A.C., Milan Office,
Electrical Divn., P.W. & U. S/C.
APO 394, U.S. Army.

1. We are anxious to know the position with regard to the supply of electricity in North Italy for the 6 months ending December 31st 1945.
2. Would you please ask the S.I.P., Edison and Adriatica to let you have their estimate of the generating plant capacity, together with their estimate of the demand and units for each of the months July to December inclusive.
3. Do not include thermal stations in your calculations, as I am anxious to see whether the companies can meet the demand of electricity without the use of thermal stations, and thus save importing coal for electricity purposes. Coal, as you know, is a very critical item and is in very short supply, and we might even consider the rationing of electricity, if it were found that coal was needed to supplement the hydro-electric generation.
4. This is a matter which can only be studied after receiving your information, and as you will possibly obtain the Edison information first, please forward this to me without waiting for the other companies.
5. If the companies state they are unable, owing to the industrial disturbance due to war-time conditions, to give you an estimate of the demand and units for the above mentioned months, I suggest that you should discuss it with them and press them for some kind of estimate, as they are obviously in a much better position than we are to make estimates of this kind.

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

S.I.P. GROUP -- PIEMONTE REGIONHYDROELECTRIC POWER

<u>Month</u>	<u>Consumption</u> <u>1944</u>	<u>Estimated</u> <u>Consumption</u> <u>1945</u>	<u>Estimated</u> <u>Availability</u> <u>1945</u>
June	115.945.000	84.000.000	125.000.000
July	116.810.000	85.000.000	130.000.000
August	105.455.000	80.000.000	130.000.000
September	85.230.000	90.000.000	125.000.000
October	94.293.000	90.000.000	125.000.000
November	98.826.000	95.000.000	120.000.000
December	113.511.000	100.000.000	115.000.000

Turin, June 20th, 1945

(°) - Power actually produced during the nights hours and fe

S.I.P. GROUP -- PIEMONTE REGIONHYDROELECTRIC POWER3767
1943

<u>Month</u>	<u>Consumption</u> <u>1944</u>	<u>Estimated</u> <u>Consumption</u> <u>1945</u>	<u>Estimated</u> <u>Availability</u> <u>1945</u>	<u>Differential</u> <u>1945</u>	(*) Demand / GEN. <u>KW</u> / <u>KW</u>
June	115.945.000	84.000.000	125.000.000	41 mil.	
July	116.810.000	85.000.000	130.000.000	45 "	
August	105.455.000	80.000.000	130.000.000	50 "	
September	85.230.000	90.000.000	125.000.000	35 "	
October	94.293.000	90.000.000	125.000.000	35 "	
November	98.826.000	95.000.000	120.000.000	25 "	
December	113.511.000	100.000.000	115.000.000	15 "	

urin, June 20th, 1945

(*) - Power actually produced during the nights hours and feast days

TABELLA I.

DISPONIBILITA' MENSILE DI ENERGIA ELETTRICA DA LUGLIO A DICEMBRE 1945

Mesi	Gruppo Edison	A. E. M. Milano d i l l i o n i	Montecatini kWh	Falck (°)
Luglio 1945	544,5	58	132	
Agosto "	480,5	56	140	
Settembre "	443,7	48	120	
Ottobre "	434,6	41	95	
Novembre "	439,0	35	70	
Dicembre "	392,6	31	50	

(°) Dati non ancora pervenuti.

Mesi	Gruppo Edison	A.E.M. Milano	Montecatini	Palck (°)
		W i l l i o n i d i	kWh	
Luglio 1945	544,5	58	132	
Agosto "	480,5	56	140	
Settembre "	443,7	48	120	
Ottobre "	434,6	41	95	
Novembre "	439,0	35	70	
Dicembre "	392,6	31	50	

(°) Dati non ancora pervenuti.

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1.

Copy taken of H-Ad Parker

TABELLA II.PROBABILE RICHIESTA MENSILE DI ENERGIA ELETTRICA DA PARTE
DEI CONSUMATORI DA LUGLIO A DICEMBRE 1945

Mesi	Gruppo (°) Edison	A.E.M. Milano M i l i o n i d i	Montecatini	Palck (°)
Luglio 1945	234.6	42	40	
Agosto "	217.2	40	50	
Settembre "	196.8	42	70	
Ottobre "	219.8	48	70	
Novembre "	240.6	57	70	
Dicembre "	270	76	70	

(°) Dati non ancora pervenuti.

Mei	Gruppo (°) Edison	A.E.M. Milano	Montecatini	Falck (°)
	Millioni di kWh			
Luglio 1945	234.6	42	40	
Agosto "	217.2	40	50	
Settembre "	196.8	42	70	
Ottobre "	219.8	48	70	
Novembre "	240.6	57	70	
Dicembre "	270	76	70	
(°) Dati non ancora pervenuti.				

4941

Copy taken of 21. ed. Parker

M O N T E C A T I N I

SERVIZI DELL'ENERGIA

MONTHLY OUTPUT AND DEMAND OF ELECTRIC POWER

MONTH	MONTHLY DEMAND : 1943 KW/h	MONTHLY DEMAND : 1944 KW/h (.)	MONTHLY OUTPUT : 1945 KW/h	PROBABLE MONTHLY DEMAND 1945 KW/h	
JULY	123.518.000	90.439.000	132.000.000	40.000.000	+
AUGUST	126.350.000	89.871.000	140.000.000	50.000.000	+
SEPTEMBER	97.250.000	79.965.000	120.000.000	70.000.000	+
OCTOBER	92.300.000	62.455.000	95.000.000	70.000.000	+
NOVEMBER	81.514.000	55.920.000	70.000.000	70.000.000	
DICEMBER	70.320.000	54.380.000	50.000.000	70.000.000	-

(.) The low figures on the 1944 are due to the minor production of our works in accordance with the Industrial sabotage during the German occupation.

MONTECATINISERVIZI DELL'ENERGIA

MONTHLY OUTPUT AND DEMAND OF ELECTRIC POWER

0767
4940

MONTHLY DEMAND	MONTHLY OUTPUT	PROBABLE MONTHLY DEMAND	DIFFERENCE	MONTHLY OUTPUT
1944	1945	1945		KW
KW/h	KW/h	KW/h		
(.)				
				177.420
90.439.000	132.000.000	40.000.000	+ 92.000.000	188.170
89.871.000	140.000.000	50.000.000	+ 90.000.000	166.660
79.965.000	120.000.000	70.000.000	+ 50.000.000	127.690
62.455.000	95.000.000	70.000.000	+ 25.000.000	97.220
55.920.000	70.000.000	70.000.000	" " " "	67.200
54.380.000	50.000.000	70.000.000	- 20.000.000	
330.000				

the 1944 are due to the minor production of our works in accordance with the war situations and to
age during the German occupation.

Copy taken of 26-11-1944

COPY OF THE LETTER :

Tel. 4829081

Ext. 317

HEADQUARTERS ALLIED COMMISSION

WML/co

APO 394

Public Works and Utilities Sub-Commission

15 June 1945

197/PWU

Subject : Electricity North ItalyTo : Lt. Col. G.F. Parker
A.C. Milan Office
Electrical Div. P.W. & U. S/C
APO 394 U.S. Army

1) We are anxious to know the position with regard to the supply of electricity in North Italy for the 6 months ending December 31 st 1945.

2) Would you please ask the S.I.P., Edison and Adriatica to let you have their estimate of the generating plant capacity, together with their estimate of the demand and units for each of the months July to December inclusive.

3) Do not include thermal stations in your calculations, as I am anxious to see whether the companies can meet the demand of electricity without the use of thermal stations, and thus save importing coal for electricity purposes. Coal, as you know, is a very critical item and is very short supply, and we might even consider the rationing of electricity, if it were found that coal was needed to supplement the hydro-electric generation.

4) This is a matter which can only be studied after receiving your information, and as you will possibly obtain the Edison information first, please forward this to me without waiting for the other companies.

5) If the companies state they are unable, owing to the industrial disturbance due to war-time conditions, to give you an estimate of the demand and units for the above mentioned months, I suggest that you should discuss it with them and press them for some kind of estimate, as they are obviously in a much better position than we are to make estimates of this kind.

W.M. LAPPER,
Lt. Col.
Chief Electrical Div.

4939

108
File
Power Supply

Tel. 489081
Ext. 317

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

P W U

LWL/ac
(Att Lt Col PARKER)

f HB

Reference : 158/PWU

1 June 1945

Subject : Power allocation for the
RECEIVED month of June 1945

To : REGIONAL COMMISSIONER LOMBARDIA REGION
4 JUN 1945 (Att. Lt.Col. Parker)

BO AUG LOMBARDIA REG.

1. Enclosed herewith for information is copy of power allocation for the month of June 1945.

By Command of Rear Admiral STONE,

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

1 enclosure

4938

COPY NO: 86

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

Postal Address:
AFERS (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 AFERS (AFHQ) Conference Room, ROME.

PRESENT:

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

Representatives of:

D. W., AFHQ
DAR, ITALY
CC, PES
HQ, No. 1 District
HQ, No. 3 District
CG, ROME Area Allied Command
HQ, ALCOM
Electrical Reconstruction Committee

In Attendance:

Chiefs of Section, AFERS, AFHQ

59. MINUTES OF PREVIOUS MEETING:

The minutes of the eighteenth meeting held on 17 April 1945 were approved.

60. MINUTES OF BOARD MEETING:

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, ALCOM on the amount of power available in Central and Southern Italy. Demands from Base Sections, Districts, etc. were

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CC, ROIE Area Allied Command
HQ, ALCOM
Electrical Reconstruction Committee

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The minutes of the eighteenth meeting held on 17 April 1945 were approved.

60. MINUTES OF BOARD MEETING:

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, 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.

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 - CROTONA:

It was agreed by the Committee that the supply of power to the Montecatini Works at Crotona for the manufacture of fertilizers should continue for the month of June but that due to the low level of water in the SIDA reservoirs it would not be possible to continue the supply after June unless:

/(a).....

- 2 -

- (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 10³ (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.

65. SUPPLY OF ELECTRIC POWER FROM THE NORTH:

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 AFPS (AFHQ) Conference Room, Rome.

S. J. B. Loudon

S. J. B. LOUDON, Major, DAQAC,

(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, ALCOA.

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67. NEXT MEETING:

The next meeting of the Committee will be held at 0930 hours on Saturday, 23 June 1945, in the AFPS (AFHQ) Conference Room, ROLE.



S. J. B. LOUDON, Major, DAQIG,
Secretary,
A.F.L.R. (ITALIAN) BOARD.

4937

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 URS	3 District	40.00	19.50
Naples District	3 District	4.00	1.50
Campania Co.	PBS	41.00	20.50
(i) Frattamaggiore	PBS	4.00	2.50
(ii) Pomigliano	3 District	2.00	1.25
(iii) Salerno-Torre-Castellamare	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	URS	1.50	1.10
Foggia Benevento	URS	4.50	1.70
Salerno Torre	URS	2.00	1.10
TOTAL 150 KV at Sub Stations		134.50	66.55
Calabria 60 KV System.			
(i) Calabria Co.	ALCOI	8.50	2.00
(ii) Crotona Plant	ALCOI	10.00	6.50
(iii) Railways	URS	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 KW x 10 ³	to 2200 hours KW x 10 ³	to 0600 hours KWH x 10 ⁶
------------------------------------	------------------------------------	---------------------------------------	--

DISTRICT 1.

(i) Frattamaggiore	PBS	4.00	2.50
(ii) Pomigliano	3 District	2.00	1.25
(iii) Salerno-Torre-Castellamare	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	IRS	1.50	1.10
Foggia Benevento	IRS	4.50	1.70
Salerno Torre	IRS	2.00	1.10
TOTAL 150 KV at Sub Stations		<u>154.50</u>	<u>66.55</u>

Calabria 60 KV System.			
(i) Calabria Co.	ALCCL	8.50	2.00
(ii) Crotona Plant	ALCCL	10.00	6.50
(iii) Railways	IRS	<u>3.00</u>	<u>1.70</u>
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

<u>AREA SERVED & RESPONSIBILITY OF</u>	<u>0600 hours to KW x 10³</u>	<u>2200 hours to KW x 10³</u>	<u>0600 hours to KW x 10³</u>
<u>DISTRICT I.</u>			
Terni	19.00	7.30	17.00
Terni Carbide	-	-	10.00
Perugia & Foligno	4.60	1.90	4.40
Spoleto	3.00	1.20	3.00
Ancona & Adriatic Coast to North exclusive of Fano	6.60	2.50	4.10
Rimini & Adriatic Coast to South inclusive of Fano	1.00	0.40	0.50
Arezzo & District	4.00	1.60	3.20
Sienna & District	0.80	0.40	1.00
Orvieto & District	2.00	0.80	1.50
Adriatic South to Pescara	1.00	0.40	1.50
TOTAL DISTRICT I	<u>40.00</u>	<u>16.50</u>	<u>46.20</u>
			8.90
<u>DISTRICT III</u>			
Prosinone		1.00	1.020
Rieti		.50	1.150
Viterbo		.50	1.010
Rome		.40	0.820
Accumula		.40	1.000
TOTAL DISTRICT III	<u>7.00</u>	<u>2.80</u>	<u>5.00</u>
			1.00

/P.B.S.....

CENTRAL ITALY - GRID (Cont'd)

<u>AREA SERVED & RESPONSIBILITY OF</u>	<u>0600 hours to KW x 10³</u>	<u>2200 hours KW x 10³</u>	<u>2200 hours to 0600 hours KW x 10³</u>	<u>to 0600 hours KWH to 10⁶</u>
<u>P.B.S.</u>				
Civitavecchia - Littoria	5.00	2.00	5.50	1.00
<u>5 AREA</u>				
Florence & District	16.00	6.30	16.00	3.00
<u>R.A.A.C. Area</u>				
	52.00	20.30	35.00	6.70
<u>M.R.S. Railways</u>				
	<u>10.00</u>	<u>4.00</u>	<u>10.00</u>	<u>2.00</u>
<u>GRAND TOTAL</u>	132.00	51.90	117.70	22.60

CENTRAL ITALY - LEGHORN GRID

<u>AREA SERVED</u>	<u>RESPONSIBILITY OF 15 Minute Peak KW x 10³</u>	<u>PERMISSIBLE ENERGY KWH x 10⁶</u>
Leghorn Area		
Lucca Area	PBS	6.00
Piombino	PBS	3.00
Grosseto	PBS	1.00
Lardicello	PBS	2.00
	<u>1.00</u>	<u>.50</u>
<u>TOTAL Leghorn Grid</u>	21.00	12.50

1001

Railways		<u>10.00</u>	<u>4.00</u>	<u>10.00</u>	<u>2.00</u>
	<u>GRAND TOTAL</u>	132.00	51.90	117.70	22.60
CENTRAL ITALY - LEGHORN GRID					
AREA SERVED	RESPONSIBILITY OF	PERMISSIBLE		PERMISSIBLE	
		15 Minute Peak		ENERGY	
		KWH x 10 ³		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	
Livorno	PBS	1.00		.50	
TOTAL Leghorn Grid		21.00		12.50	

1000

9865

C O P Y

APPENDIX "B"

Tel. 489081
Ext. 317HEADQUARTERS 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 KW of 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.

For the Chief Commissioner:

s/ W.H. LAPPER,
t/ W.H. LAPPER,
Lieut-Colonel,
Chief Elect.Div.

4935

DISTRIBUTION

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7	MAAF (B)
8	CAO, AFHQ
9	A/CAO, AFHQ
10/17	G-4 (A), AFHQ
18	G-4 (B), AFHQ (For DQMG)
19/20	G-5, AFHQ
21	Q(AS), AFHQ
22	Engineer Section, AFHQ
23	Enges, (B), AFHQ
24/25	Director of Engr. Prodn. & Stores, AFHQ
26	QM. Cont Section, AFHQ
27	HEME, AFHQ
28	Fiscal Director, AFHQ
29	FA, AFHQ
30	C.G., MTOUSA
31	C.P.A., MTOUSA
32	C.G., Fifth Army (Attn: G-4 Rear)
33/34	D.M.R., Italy
35	Tn. Increment, C.M.F.
36/37	LA.FSC/MFO
38/39	HQ, 214 Group, R.A.F.
40	F.A., R.A.F.
41/43	C.E., IBS
44/45	B.F.A., IBS
46	B.F.A., IBS (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	C.G., ROCE Area Allied Command
59	Flag Officer, TARANTO & Adriatic
60	SENAUSNO, Italy
61	C.G., 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
91	Chairman, Electrical Reconstruction Committee
92	File
93/130	Spares.

4934

Tel. 489081
Ext. 317

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

LWL/ac

Reference : 158/PWU

1 June 1945

Subject : Power allocation for the
month of June 1945

To : REGIONAL COMMISSIONER LOMBARDIA REGION
(Att. Lt.Col. Parker)

1. Enclosed herewith for information is copy of power
allocation for the month of June 1945.

By Command of Rear Admiral STONE,

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

1 enclosure

4933

Tel. 469081
Ext. 317

D r a f t

HEADQUARTERS ALLIED COMMISSION

APO 394

Public Works and Utilities Sub-Commission

WHL/ac

File
8W

Reference : 197/PWU

3 April 1945

Subject : Electricity Supplies

To : REGIONAL COMMISSIONER PIEDMONT REGION
(Att Reg. Engineer) LOMBARDIA REGION
VENEZIA REGION

1. (a) The following is an outline of the policy which will be adopted by the Electrical Division of this Sub-Commission with reference to the restoration of electricity supplies, and the rehabilitation of electric power plants and transmission systems ~~in Northern Italy upon liberation.~~

(b) There are two types of electrical officers, those in the Regions dealing with hundreds of problems associated with the distribution of electricity and those engaged on the reconstruction of electric power plants and high voltage transmission systems.

2. - Regional Electrical Officers

The Regional Electrical Officers are assigned to the Region and are responsible to the Regional Engineer for dealing with and advising on the many problems connected with electricity supply within the region. Experience shows that their main duties will be to make arrangements for the rationing of electricity in the various townships, arrange for the issue of permits for utility workers and to screen and give assistance in the procurement of materials essential to the operation of the plants and systems.

3. There are many other matters which the Regional Electrical Officers will have to attend to. Not the least being that of answering questions as to when the power will be made available for civilian services such as factories, domestic, tramways, street lighting etc. If electricity is in short supply the Military Engineer Service will instruct the Electric Companies to maintain supplies to Military and essential civilian establishments which will be specified. What is done with the surplus is a matter for A.C. to decide and could very well be dealt with in a manner as shown in "Appendix A". Uniformity as between regions would be of great benefit as all officials of Electric Companies and all A.C.

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4. - Electrical Reconstruction Teams

The reconstruction of the electrical facilities in Northern Italy, which may be damaged by the enemy, will be handled by Electrical Reconstruction Teams operating directly under instructions from the Electrical Division of the Public Works and Utilities Sub-Commission. These teams, (there are two of these with four officers to each team) have proved most successful in the rehabilitation work which is making good progress in Central Italy. One team will be attached to Liguria and the other to Venezia Region immediately on liberation.

./.

- 2 -

5. Lt.Col.G.F.Parker a representative from this Headquarters will coordinate the activities of the reconstruction teams, and effect the necessary liaison with the Electric Power Companies and Military Authorities. He will see that plans are put into effect and will decide as to the best location for the teams to suit the changing conditions. He will also summarize the reports from the electrical teams and send copies to this Headquarters and keep the Regional Engineer informed regarding the work being done in his Region. Lt.Col. Parker will be located at Lombardia Regional Headquarters.

6. While any work which the Regional Engineer can put in hand in the first phase will be appreciated, it must be recognized that, until the Electrical Reconstruction Teams have carried out their first survey, which may take seven to ten days, it may not be possible to formulate a proper concerted plan of action, which is essential, in order to see that supplies of electricity are made available to the high priority demands. Also that some power stations in one region may be quickly repaired, but that, for Military Reasons, their power will have to be transmitted into other regional areas.

7. A copy of this letter will be given to each officer engaged on electrical reconstruction work. Additional copies are enclosed herewith and it is suggested that each regional electrical officer be given a copy.

By Command of Rear Admiral STONE,

4931

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

100-001

2