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HEADQUARTERS ALLIED COMMISSION
 APO 394

On 1
 PB/sg

Public Works and Utilities Sub-Commission

REFERENCE : 245/PWU.

4 July 1945.

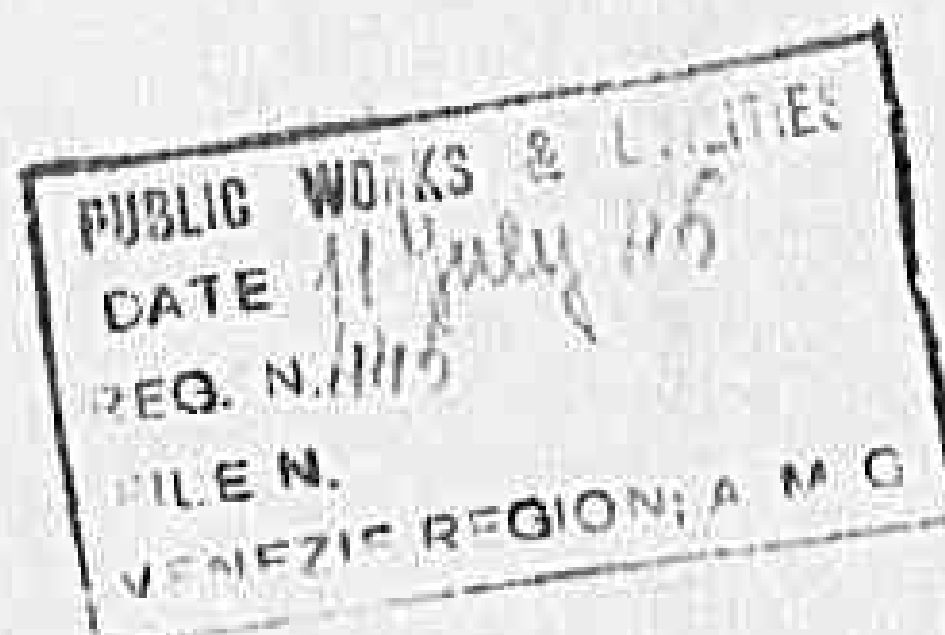
SUBJECT : Generating stations damaged.

TO : Regional Commissioner (Emilia Region
 Attention : Regional Engineer (Piemonte "
 (Liguria "
 (Lombardia "
 (Venezia "

1. It is necessary, in order to complete our records, to make a final check on the generating stations in your region, which were found in a damaged condition upon occupation.
2. The report should only include plants of 1,000 KW installed capacity and larger.
3. Prepare a list of the damaged plants only, together with the name of the operating company and the approximate date the plant resumed or will resume either partial or full operation.
4. Please furnish the information in the manner shown in the attached form.

W.M. Lapper

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



6327

DAMAGED GENERATING STATIONSVENEZIA REGION

<u>Name of Station</u>	<u>Original installed capacity</u>	<u>Capacity available on occupation</u>	<u>Approximate date the plant will resume or resumed operation.</u>	<u>Remarks</u>
6326				

DAMAGED GENERATING STATIONSVENEZIA REGION

<u>Name of Station</u>	<u>Original installed capacity</u> <u>KW</u>	<u>Capacity available on occupation</u>	<u>Approximate date the plant will resume or resumed operation</u>	<u>Remarks</u>

6325

SOCIETA' IDROELETTRICA CISMON - (Cismon Valley)

S. SILVESTRO	17000 kW	Hz 42/50	} 2 units operating in each plant, a third one (10.000 kVA) underway to be assembled
MOLINE	17000 kW	Hz 42/50	

S.I.A.V. - SOCIETA' IDROELETTRICA ALTO VENETO - Calalzo

Ciampato I ° & II °	1640 kW	} all in operation
S. Giovanni	1550 kW	
Versiacco	2000 kW	
Domegge I ° & II °	720 kW	
Voltago	260 kW	
Talbon	200 kW	
Molino	2000 kW	

PONALE Co. - SOCIETA' ADONIMA DI ELETTRICITA' "PONALE" - Verona

Riva	58000 kW in operation
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S.I.M.A. - SOCIETA' IDROELETTRICA MEDIO ADIGE - Bussolengo

Bussolengo	45000 kW damaged, reduced operation (15.000)
Chievo	30000 kW damaged, not operating

S.A.D.E. Società Adriatica di Elettricità-Venice

The hydro plants are all in operation. (see diagram)

The steam plant (Marghera-Venice) 55.000 kw capacity is not in operating condition. 15.000 kw of machinery will be ready on or about June 15. The plant is foreseen ready for full operation on or about ⁶³²Sept. 1945.

File R1

SOCIETA' IDROELETTRICA CISON - (Cison Valley)

S. SILVESTRO	17000 kW	Hz 42/50	} 2 units operating in each plant, a third one (10.000 kW underway to be assembled
MOLINE	17000 kW	Hz 42/50	

S.I.A.V. - SOCIETA' IDROELETTRICA ALTO VENETO - Calalzo

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S. Giovanni	1550 kW	
Versiacco	2000 kW	
Domegge I ° & II °	720 kW	
Voltago	260 kW	
Taibon	200 kW	
Molino	2000 kW	

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Chievo	30000 kW damaged, not operating

SOCIETA' ADRIATICA DI ELETTRICITA'

HYDROELECTRIC PLANTS

Gener. Plants	Capacity		Daily generating capacity-with the actual stream flow	
	normal kW.	present kW.	normal kWh.	present kWh.
Cellina (Malnisio-Giais-Par- titor)	14.500	14.500	300.000	300.000
Piave-S. Croce (Fadalto-Nove-S. Flo- riano-Castelletto- Caneva-Livenza)	195.000	195.000	2.000.000	2.000.000
Brentella (1) (Poderobba-Croce del Cullo-Caerano)	5.000	---	100.000	---
Piave Anziet (2) (Pelos)	30.000	---	450.000	---
Cordevole (2) (Cencenighe-Agordo- Stanga)	68.000	---	1.200.000	---
Isonzo (3) (Doblari-Plava)	46.500	4.000	800.000	90.000
Cismon (4) (Redoalto)	6.500	4.000	160.000	100.000
Passano	7.000	6.000	120.000	120.000
Ledra (5)	2.000	---	---	---
Adige (Sorio I & II)	12.000	12.000	220.000	220.000
Minors (6)	11.000	12.000	100.000	100.000
Brasinone (7) (S. Maria-Le Piave)	---	---	---	---
Totals	397.500	247.500	5.450.000	2.930.000

(1) Not operating - canal damaged by bombing

(2) The Piave-Anziet and Cordevole plants are not connected, due to damages on the 130 kV. line.

(3) The Doblari plant operates with one unit - at reduced load on the 10 kV. grid - the other units and the Plava units are not connected, due to damages on the 130 and 50 kV. lines.

(4) One unit not in use due to maintenance.

6321

2nd sheet

Adriatic hydroelectric plants

- (5) Not operating - due to electrical damage to the generators
- (6) Rodipuglia - Aidussina - Desedan - Acqua Mora - Vedronza - Resia and 51 small plants
- (7) The plants were destroyed during German occupation.

Venice, May 7th 1945

VENICE PROVINCE THERMAL PLANTS

Location	Co. operating	Generating capacity kw.
Venice-Marghera	S.A.D.E. Steam plant	55.000
" "	I.N.A. (Montecatini) Steam plant	2.000
" "	S.A.V.A. Steam plant	4.000
Venice	R.Navy Yard Steam plant	500
"	Junghans factory Steam plant	500

Venice, May 9th 1945

6319

9 mel #2

SOCIETA' ADRIATICA DI ELETTRICITA'VENICE - MESTRE STEAM PLANTMachinery installed

Boilers: 2 boilers - oil fired - 70.000 Kg. steam per hour each -
 one efficient - one under repairs
 3 boilers - imported coal fired - Riley grates -
 40.000 Kg. steam per hour each
 1 boiler - pulverized coal (Italian coal) -
 80.000 Kg. steam per hour

The total steam generating capacity - if the boilers are O.K. -

is :

with oil	70.000 Kg./hour
with imported coal	120.000 " "
with Italian coal	80.000 " "
	<u>270.000 Kg./hour</u>

In a continuous operation we may foresee only one half, it is.
 135.000 Kg. steam per hour - or 25.000 kW.

Turbine-generators : The following units are installed :

2 x 15.000 kW.
 1 x 25.000 kW.

The units can carry out the 25.000 kW. average power.

Transformers:

1 x 36.000 kVA - 130/50/10 - in operating condition
 1 x 36.000 kVA - 130/50/10 - damaged
 1 x 22.000 kVA - 10/50 - in operating condition
 1 x 22.000 kVA - 10/50 - damaged
 1 x 6.000 kVA - 50/10 - damaged

Present generating capacity:

- Boilers - We are installing all the auxiliary machineries hidden. The work is scheduled to be completed on or about May 31. Starting June the 1st we can operate 4 coal fired boilers and 1 oil fired boiler, with peak generation of 270.000 Kg. per hour of steam and continuous load of 135.000.
- Turbines - The hidden exciter and control switches are underway to be mounted on one 15.000 kW. unit, and are supposed to be in operation on May 31st. The completion of the second 15.000 kW. unit of the 25000 kW. unit - damaged by bombing - is supposed on or about three months.

./ . p.t.o.

2nd sheet

- Transformers - 1 x 22.000 kVA 10/50 kV, and 1 x 36.000 kVA 130/50/10 are in operating condition. The three other transformers - damaged - are supposed to be repaired during next summer.

We may foresee that the generating capacity will be :

15.000 kW. in June

55.000 kW. in August.

- Stores - 1.000 tons of coal (Italian - German) are stored. The two diesel oil tanks (1x7000 tons - 1x8000 tons) damaged by bombing may be repaired: one in June, the second one in December.

- Fuel required - The plant operates as emergency supply, when the transmission lines are damaged, and during the winter - during the dry season.

The plant is so organised that :

0,550 Kg. coal (7000 calories) per kWh

0,500 Kg. diesel oil (10.000 calories) per kWh

are required.

With 1x25.000 kW. unit foreseen ready June 1st, we may generate 10.000.000 kWh pro month.

The fuel required are :

Ton. 6.500 coal pro month

or Ton. 5.000 Diesel oil per month.

Venice, May, 8 1945

SOCIETA' ADRIATICA DI
ELETTRICITA' - VENICETransformers location : plants & substations

Location	Indoor or outdoor	N. of units	Capacity of each unit kVA	Transf. ratio kV	Preser
<u>Annexed to plants:</u>					
PADALTO	Indoor	3	22.000	6,3/65	In op
		2	22.000	6,3/130	"
		3	3.600	6/57	"
NOVE	Indoor & outdoor	1	7.200	6/57	"
		1	10.000	6/57	"
		1	22.000	6/57	"
		2	22.000	6,3/130	"
		3	3.600	6/57	"
CASTELISTO	Indoor	1	10.000	12/65	"
CANOVA	Indoor	1	16.500	6,3/65	"
		2	16.500	6,3/130	"
LIVENZA	Indoor	2	3.500	6,3/65	"
MADONIA	Indoor	1	3.800	4,8/62	"
		1	6.000	4,8/36	"
GIAIS	Indoor	2	3.300	4,8/62	"
		1	6.000	4,8/62	"
PANTIDOR	Indoor	2	2.000	4,4/56	"
PADEROBBA	Indoor	1	3.500	6/57	"
		1	1.000	6/12	"
CROCE DEL GALLO	Indoor	1	3.500	6/52	"
		1	2.000	6/12	"
		1	1.000	6/12	"
PEDESALTO	Indoor	3	2.800	5/60	"

9 nel # 4

Transformers location : plants & substations

Indoor	N. of units	Capacity of each unit kVA	Transf. ratio kV	Present condition	
				In operation	
	3	22.000	6,3/65	"	"
	2	22.000	6,3/130	"	"
	3	3.600	6/57	"	"
outdoor	1	7.200	6/57	"	"
	1	10.000	6/57	"	"
	1	22.000	6/57	"	"
	2	22.000	6,3/130	"	"
	3	3.600	6/57	"	"
	1	10.000	12/65	"	"
	1	16.500	6,3/65	"	"
	2	16.500	6,3/130	"	"
	2	3.500	6,3/65	"	"
	1	3.800	4,8/62	"	"
	1	6.000	4,8/35	"	"
	2	3.800	4,8/62	"	"
	1	6.000	4,8/62	"	"
	2	2.000	4,4/55	"	"
	1	3.500	6/57	"	"
	1	1.000	6/12	"	"
	1	3.500	6/52	"	"
	1	2.000	6/12	"	"
	1	1.000	6/12	"	"
	3	2.800	5/60	"	"

9 ml #4

2nd page

Location	Indoor or outdoor	N. of units	Capacity of each unit kVA	transf. ratio kV	Present condition
SORIO	Indoor	3	2.400	10/3,3	In operation
	Indoor & outdoor	1	3.000	10/3,3	" "
		1	4.000	51/11	" "
		1	5.100	63/11	" "
		1	8.000	10/50	" "
		3	15.000	125/56	2 in operation
PELOS	Indoor	3	21.300	8,5/135	In operation
SANTA MARIA	Indoor	2	2.600	5/3	Destroyed
LE PIANE	Indoor	3	2.500	5/5	Destroyed
CENCENIGHE	Indoor & outdoor	2	5.000	5/50	Destroyed
AGORDO	Indoor & outdoor	2	15.000	10/135	In operation
STANGA	Indoor & outdoor	2	15.000	10/135	" "
DOBLANI	Indoor & outdoor	2	17.500	10/135	" "
FLAVA	Indoor & outdoor	3	15.000	10/130	" "
POWER STATION BARCHERA	Indoor & outdoor	2	10.000	10/54	" "
		2	22.000	50/10	1 hidden, no report
		1	6.000	50/10	maged, no report
		2	36.000	130/50/10	damaged, under repair
Substation: <i>W3</i>					
PIUME	Indoor	2	8.000	50/10	No report
MATTUGLIE	Indoor & outdoor	3	12.000	130/50	No report
POLA	Indoor	3	2.000	50/10	In operation
		2	6.000	50/10	" "

2nd. page

Indoor or outdoor	N. of units	Capacity of each unit KVA	Transf. ratio KV	Present condition
Indoor	3	2.400	10/3,3	In operation
Indoor & outdoor	1	3.000	10/3,3	" "
	1	4.000	51/11	" "
	1	5.100	63/11	" "
	1	8.000	10/50	" "
	3	15.000	125/56	2 in operation, 1 hidden no report
Indoor	3	21.300	6,5/135	In operation
Indoor	2	2.600	5/3	Destroyed
	3	2.500	5/5	Destroyed
Indoor	2	5.000	5/50	Destroyed
Indoor & outdoor	2	15.000	10/135	In operation
Indoor & outdoor	2	15.000	10/135	" "
Indoor & outdoor	2	17.500	10/135	" "
Indoor & outdoor	3	15.000	10/130	" "
Indoor & outdoor	2	10.000	10/54	" "
Indoor & outdoor	2	22.000	50/10	1 hidden, no report - 1 damaged, no report
	1	6.000	50/10	damaged, under repair
	2	35.000	130/50/10	1 in operation - 1 damaged under repair
Indoor	2	8.000	50/10	No report
Indoor & outdoor	3	12.000	130/50	No report
	3	2.000	50/10	In operation
	2	6.000	50/10	" "

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Location	Indoor or outdoor	N. of units	Capacity of each unit kVA	Transf. ratio kV	Present co
SAN VINCENZI	Indoor & outdoor	1	1.000	50/10	Destroyed
CAROIDA	Indoor	2	1.000	50/10	In operati
ROZZOL-TRIESTE	Indoor	2	3.000	50/27	In operati
		1	6.000	50/27	" "
NOIANO(Trieste)	Indoor	3	3.000	50/27	" "
		1	6.000	50/27	" "
OPICINA	Indoor & outdoor	3	22.000	130/50	" "
		2	1.500	50/10	" "
MONFALCONE	Indoor	2	2.500	50/10	" "
GORIZIA	Indoor	3	3.000	50/27	" "
UDINE	Indoor	2	2.000	50/20	1 destroy
		2	4.000	50/20	1 in oper
PORCIA	Indoor	3	2.100	57/10	2 in oper
BUIS	Indoor	2	1.000	25/10	No report
PREVALLO	Indoor	1	300	27/10	No report
POSTUMIA	Indoor	1	300	27/10	No report
		1	100	27/10	No report
SAN PIETRO DEL CARSO	Indoor	2	500	27/110	No report
SUNDA	Indoor	1	100	33/10	In operat
SALIZZE	Indoor	2	750	31/10	2 hidden,
		1	2.000	31/10	1 in oper
SAN DONA' DI	Indoor	1	420	32/62	In operat
PIAVE (2)		3	360	32/62	In operat

3rd page

Indoor or outdoor	N. of units	Capacity of each unit KVA	Transf. ratio KV	Present condition
Indoor & outdoor	1	1.000	50/10	Destroyed
Indoor	2	1.000	50/10	In operation
Indoor	2	3.000	50/27	In operation
	1	6.000	50/27	" "
Indoor	3	3.000	50/27	" "
	1	6.000	50/27	" "
Indoor & outdoor	3	22.000	130/50	" "
	2	1.500	50/10	" "
Indoor	2	2.500	50/10	" "
Indoor	3	3.000	50/27	" "
Indoor	2	2.000	50/20	1 destroyed - 1 in operation
	2	4.000	50/20	1 in operation - 1 hidden n.r.
Indoor	3	2.100	57/10	2 in operation, 1 hidden - no report
Indoor	2	1.000	25/10	No report
Indoor	1	300	27/10	No report
Indoor	1	300	27/10	No report
	1	100	27/10	No report
Indoor	2	500	27/110	No report
Indoor	1	100	33/10	In operation
Indoor	2	750	31/10	2 hidden, no report
	1	2.000	31/10	1 in operation
Indoor	1	420	32/62	In operation
	3	360	32/62	In operation

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Location	Indoor or outdoor	N. of units	Capacity of each unit kVA	Transf. ratio KV	Pres
PORTOGRUARO	Indoor	1	400	32/62	In o
		1	420	32/62	Hidd
		1	360	32/62	In o
SAN MICHELE DEL QUARTO	Indoor	2	2.100	54/10	In o
MONASTIER	Indoor	2	5.300	50/30	In o
		1	200	30/10	In o
ODERZO	Indoor	2	1.000	50/10	In o
CONEGLIANO	Indoor	2	1.000	50/10	1 Hidd
FELTRE	Indoor	1	2.000	50/10	debr
		2	2.000	50/10	Hidd
TREVISO	Indoor	2	3.000	50/10	1 in
		1	6.000	50/10	repor
		1	1.500	11/10	In o
MESTRE	Indoor & outdoor	3	6.000	50/10	2 in
		2	22.000	130/50	no r
		1	6.000	11/10	no r
VENEGIA- San Tobbe CO 1	Indoor	1	4.300	50/6	Dama
		2	5.000	50/6	In o
		1	6.000	50/6	In o
VENEGIA- Sacca Pisola	Indoor	1	4.200	50/10	Dama
		1	5.000	50/6	In o

4th page

Indoor or outdoor	N. of units	Capacity of each unit kVA	Transf. ratio kV	Present condition
Indoor	1	400	32/62	In operation
	1	420	32/62	Hidden, no report
	1	350	32/62	In operation
Indoor	2	2.100	54/10	In operation
Indoor	2	5.300	50/30	In operation
	1	200	30/10	In operation
Indoor	2	1.000	50/10	In operation
Indoor	2	1.000	50/10	1 Hidden, no report - 1 under debris
	1	2.000	50/10	Hidden, no report
Indoor	2	2.000	50/10	1 in operation - 1 damaged, no report
Indoor	2	3.000	50/10	1 in operation - 1 hidden, no report
	1	6.000	50/10	In operation
	1	1.500	11/10	In operation
Indoor & outdoor	3	6.000	50/10	2 in operation - 1 hidden, no report
	2	22.000	130/50	1 in operation - 1 hidden, no report
	1	6.000	11/10	Damaged, no report
Indoor	1	4.800	50/6	In operation
	2	5.000	50/6	In operation
	1	6.000	50/6	In operation
Indoor	1	4.200	50/10	Damaged, no report
	1	5.000	50/6	In operation

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Location	Indoor or outdoor	N. of units	Capacity of each unit kVA	Transf. ratio kV	Present o
MIRA	Indoor	2 1	3.000 1.000	50/6 10/6	1 Damaged - In operation
PADOVA- Bassanello	Indoor	2	6.000	49/6,5	1 in opera report
PADOVA- Via Trieste	Indoor	3 1	3.000 6.000	49/6,5 49/6,5	1 hidden, operation In operati
PIAZZOLA	Indoor	2	1.000	50/6,5	In operati
BASSANO- ANGARANO	Indoor & outdoor	3 2	4.000 2.100	50/10 50/10	1 in opera report -? Hidden, no
MARANO	Indoor	2 1	4.000 2.000	50/10 50/10	1 in opera report Destroyed
NOVALE	Indoor	3	2.000	50/10	2 in opera report
BUSSOLENGO	Indoor & outdoor	3	4.000	50/10	2 in opera report
ARZIGNANO	Indoor	2	2.000	50/10	In operati
VICENZA  Porta Cavigliolo 	Indoor	1 1	4.000 1.250	50/10 50/10	In operati Hidden, no
VICENZA Porta Padova	Indoor	2 1	4.000 1.250	50/10 50/10	1 in operati Hidden, no

5th page

Indoor or outdoor	N. of units	Capacity of each unit kVA	Transf. ratio kV	Present condition
Indoor	2 1	3.000 1.000	50/6 10/6	1 Damaged - no report - 1 hidden In operation
Indoor	2	6.000	49/6,5	1 in operation - 1 hidden, no report
Indoor	3 1	3.000 6.000	49/6,5 49/6,5	1 hidden, no report - 2 in operation In operation
Indoor	2	1.000	50/6,5	In operation
Indoor & outdoor	3 2	4.000 2.100	50/10 50/10	1 in operation - 1 damaged, no report - 1 hidden, no report Hidden, no report
Indoor	2 1	4.000 2.000	50/10 50/10	1 in operation - 1 damaged, no report Destroyed
Indoor	3	2.000	50/10	2 in operation - 1 hidden, no report
Indoor & outdoor	3	4.000	50/10	2 in operation - 1 hidden, no report
Indoor	2	2.000	50/10	In operation
Indoor	1 1	4.000 1.250	50/10 50/10	In operation Hidden, no report
Indoor	2 1	4.000 1.250	50/10 50/10	1 in operation - 1 hidden no rep. Hidden, no report

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Location	Indoor or outdoor	N. of units	Capacity of each unit kVA	Transf. ratio kV.	Present condition
LOVIGO	Indoor	2	2.000	50/10	In operation
COLOGNA	Indoor	3	1.000	50/10	In operation
LEGHAGO	Indoor	2	4.000	50/10	1 in operation report
K		1	2.000	50/10	In operation
OSTIGLIA	Indoor	2	500	60/10	Hidden, no rep
		1	2.000	50/10	Hidden, no rep
TORRICELLA	Indoor	2	2.000	50/10	1 in operation report
LENDINARA	Indoor	3	2.000	49/11	2 in operation report
ROVIGO	Indoor	2	4.000	50/10	1 in operation report
		1	2.000	50/10	In operation
ESTE	Indoor & outdoor	2	4.000	50/10	In operation
BATTAGLIA	Indoor	2	2.000	50/10	In operation
PONTELONGO	Indoor & outdoor	2	4.000	50/10	1 hidden, no r ed, no report
CHIOGGIA (Brendolo)	Indoor & outdoor	2	3.000	50/10	1 in operation report
ADRIA	Indoor	2	4.000	50/10	In operation
CA' TIEPOLO	Indoor & outdoor	2	4.000	50/10	Hidden, no rep
CODIGORO	Indoor	3	4.000	50/10	2 destroyed -
FERRARA- Zona Industriale	Indoor & outdoor	2	5.000	50/10	In operation
FERRARA- S.Luca	Indoor	3	3.000	50/10	In operation

6.thth page

Indoor or outdoor	N. of units	Capacity of each unit kVA	Transf. ratio kV.	Present condition
Indoor	2	2.000	50/10	In operation
Indoor	3	1.000	50/10	In operation
Indoor	2	4.000	50/10	1 in operation - 1 hidden, no report
	1	2.000	50/10	In operation
Indoor	2	500	60/10	Hidden, no report
	1	2.000	50/10	Hidden, no report
Indoor	2	2.000	50/10	1 in operation - 1 hidden, no report
Indoor	3	2.000	49/11	2 in operation - 1 hidden, no report
Indoor	2	4.000	50/10	1 in operation - 1 hidden, no report
	1	2.000	50/10	In operation
Indoor & outdoor	2	4.000	50/10	In operation
Indoor	2	2.000	50/10	In operation
Indoor & outdoor	2	4.000	50/10	1 hidden, no report - 1 damaged, no report
Indoor & outdoor	2	3.000	50/10	1 in operation - 1 hidden, no report
Indoor	2	4.000	50/10	In operation
Indoor & outdoor	2	4.000	50/10	Hidden, no report
Indoor	3	4.000	50/10	2 destroyed - 1 no report
Indoor & outdoor	2	6.000	50/10	In operation
Indoor	3	3.000	50/10	In operation

7.th Page

Location	Indoor or outdoor	N. of units	Capacity of each unit kVa	Transf. ratio kV.	Present condition
PORTOMAGGIORE	Indoor & outdoor	2	15.000	130/50	Damaged, no report
		1	2.100	50/15	Destroyed
		1	2.000	50/15	Destroyed
		1	3.000	50/15	Destroyed
ARGENTA	Indoor	1	2.000	50/15	Destroyed
		1	25.000	55/50	Destroyed
BATTIPERRO (Bologna)	Indoor	1	10.000	50/15	Destroyed
		2	6.000	50/15	Destroyed
		4	6.000	50/3	Destroyed
TRE MADONNE (Bologna)	Indoor & outdoor	1	15.000	125/50	No report
			15.000	125/10	No report
			10.000	50/10	No report
PIOPPE DI SALVARO	Indoor	1	1.500	50/15	Destroyed
		1	755	50/15	Destroyed
ORTIGNOLA (Imola)	Indoor & outdoor	2	3.500	125/15	Destroyed
COTIGNOLA	Indoor	2	3.000	50/15	Destroyed
RAVENNA	Indoor	1	2.000	50/15	No report - p
		3	1.000	50/2	No report - p
		1	1.500	50/15	No report - p
FORLI'	Indoor & outdoor	1	25.000	130/50	Destroyed
		1	20.000	130/50	Destroyed
		3	3.000	50/15	Destroyed
CESENA	Indoor	1	3.000	50/15	Destroyed
		1	3.000	50/5	Destroyed
		1	2.000	30/15	Destroyed

6310

7.th Page

Indoor or outdoor	N. of units	Capacity of each unit kVA	Transf. ratio kV.	Present condition
Indoor & outdoor	2	15.000	130/50	Damaged, no report
	1	2.100	50/15	Destroyed
	1	2.000	50/15	Destroyed
	1	3.000	50/15	Destroyed
Indoor	1	2.000	50/15	Destroyed
	1	25.000	55/50	Destroyed
Indoor	1	10.000	50/15	Destroyed
	2	5.000	50/15	Destroyed
	4	6.000	50/3	Destroyed
Indoor & outdoor	1	15.000	125/50	No report
		15.000	125/10	No report
		10.000	50/10	No report
Indoor	1	1.500	50/15	Destroyed
	1	755	50/15	Destroyed
Indoor & outdoor	2	3.500	125/15	Destroyed
Indoor	2	3.000	50/15	Destroyed
Indoor	1	2.000	50/15	No report - probably destroyed
	3	1.000	50/2	No report - probably destroyed
	1	1.500	50/15	No report - probably destroyed
Indoor & outdoor	1	25.000	130/50	Destroyed
	1	20.000	130/50	Destroyed
	3	3.000	50/15	Destroyed
Indoor	1	3.000	50/15	Destroyed
	1	3.000	50/5	Destroyed
	1	2.000	30/15	Destroyed

SOCIETA' ADRIATICA DI ELETTRICITA'

SEDE SOCIALE: 30138 VENEZIA - CORTINA ADRIATICA - VIA DELL'INDUSTRIA, 1

Chairman : Senatore Dott. Ing. Achille Gaggia

General Managers : Dott. Ing. Antonio Rossi - Dott. Ing. Luigi Gaggia

Generation Dep.

Operation & Transmission Dep.

Hydraulic Dep.

Manager :

Manager :

Manager :

Dott. Ing. Mario Mainardi

Dott. Ing. Roberto Maria

Dott. Ing. Carlo

6309

9 mil 45

SOCIETA' ADRIATICA DI ELETTRICITA'

Chairman : Senatore Dott. Ing. Achille Gaggia

General Managers : Dott. Ing. Antonio Rossi - Dott. Ing. Luigi Gaggia

Operation & Transmission Dep.

Manager :

o Mainardis Dott. Ing. Roberto Maria

Hydraulic Works

Manager :

Dott. Ing. Carlo Semenza

7-2-1-5

ADRIATICA TRANSMISSION LINES REHABILITATION PROGRAM

I) Paluello (Dolo) - Portomaggiore 130 kV.

a) Paluello - Po R. section

poles	O.K.
spans damaged	3 at Brugine and 3 between Adige and Po R.

Estimated completion date 13/5.45.

b) Po R. - Portomaggiore section

no report; as soon as the repairs will be completed the line will be energised at 50 kV., as the Portomaggiore transformers are damaged.-

II) Battaglia - Rovigo 50 kV.

Poles damaged	3	} Adige R. crossing
Spans damaged	5	

Repairs are scheduled to start on 14/5 and be completed on May 20.-

III) Rovigo - Ferrara 50 kV.

Poles damaged	6
Broken or missing spans	20

The repairs will start after the Battaglia-Rovigo rehabilitation.

Venice, May 11th 1945

TELEPH. 20004
EXT. 53

VENICE OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB COM.
ALLIED COMMISSION
A. P. O. 394

R1
VENICE - June, 8 1945

N. MARCO GALLIE GORDONI 4183 A

PLV/pp

SUBJECT: Condition Report 130 kV. Lines of S.A.D.E. & Ponale

TO: Chief Milano Office - Electrical Division -
Public Works & Utilities S/C - Allied Commission

We have received a report on the condition of two lines in the Adige Valley between Verona and Trento as follows :

- 130 kV. Mori - Bussolengo (SAD E)

Length 47,5 Km.

4 Towers damaged

82 Tons of stranded copper missing size 103 sq.mm.

(appr. 27 Km.)

1700 insulator units missing.

- 130 kV. Marco - Bussolengo (Ponale)

Length 50 Km.

3 Towers damaged

85 tons of stranded copper missing size 103 sq.mm.

(approx. 28 Km.)

2000 insulator units missing

Both lines are double circuit towers with the positions for the second circuit left vacant for future requirements. Due to additional strength of the towers to carry the second circuit it is thought that ACSR conductor may be used to replace the missing copper.

This proposal is now being investigated by the Adriatica and Ponale engineers. If the studies reveal that no mechanical difficulties will result the Ponale line will be repaired first and then the Adriatica line.

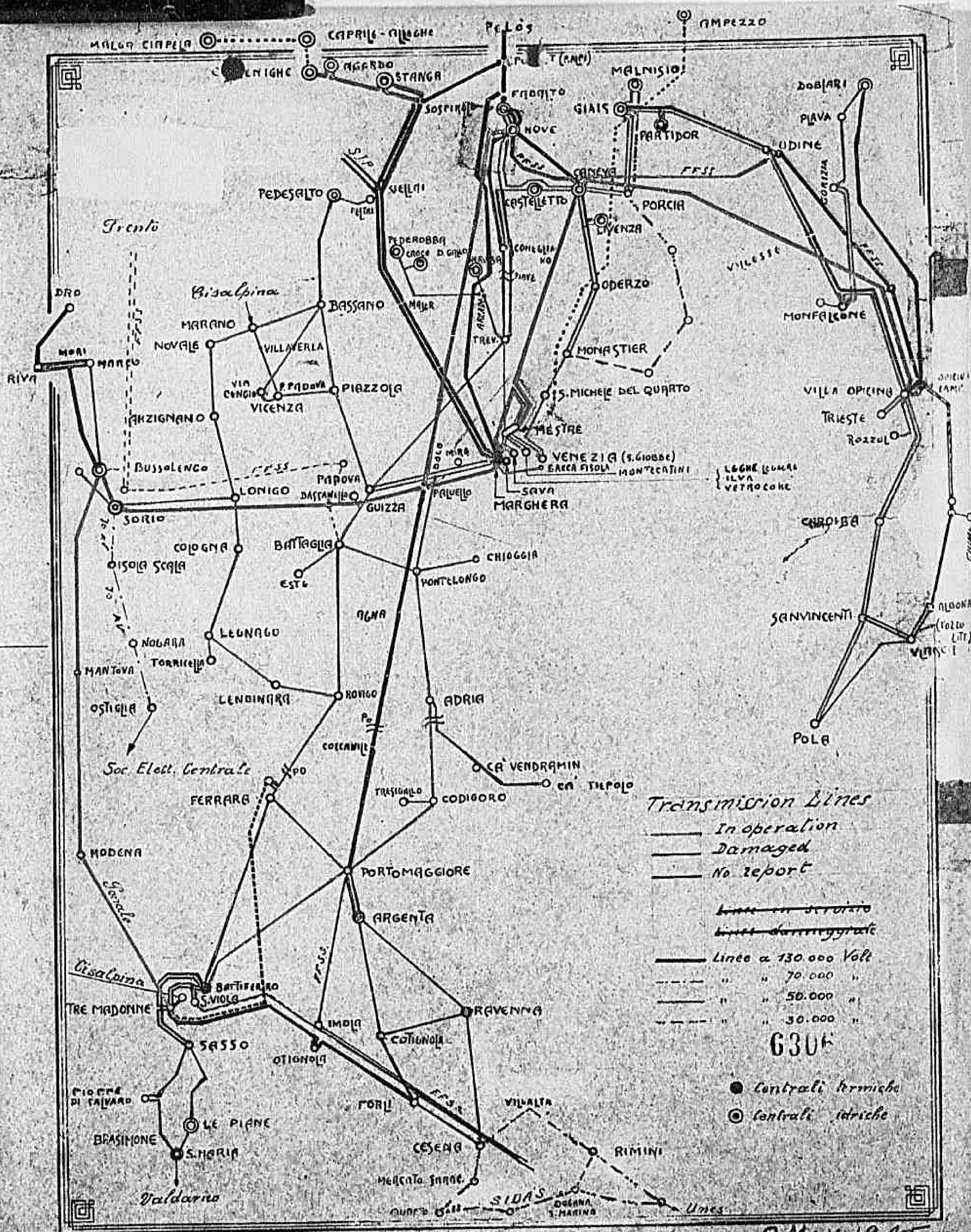
We will advise you as soon as a schedule of materials required and completion dates can be made.

6307

Chief Venice Office

cc. to Lt. Col. Lapper

FILE



8 MAY 1945

SADE = Month of May 1945

Men on rehabilitation works:

Venezie Region (Ven. Julia not incl.)

gener. plants 200 (150 of them on the steam plant: Marghera)

Transmission lines & subst.

subst.	Portofino	20	
	Corghiara	25	
lines	Mestre	15	
	Carziano	39	
	Travica	7	
	Adine	11	
	Padova	9	
	Galileo	16	
	Portici	7	153

Venezia Giulia 30 -

Emilia Region

subst.	Portomaggiore	30	
	Castigione	25	
	Palma di Montebello	20	
	Portomaggiore	15	
			<u>90</u>

630

TELEPH. 20001
EXT. 80

VENICE OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB COM.
ALLIED COMMISSION
A. P. O. 394

June 7 1945

VENICE
R. MARCO CALLE GOLDONI 4123 A

PMV/pp

SUBJECT: Reports, Records and Maps of S. A. D. E.

TO: Chief, Electrical Division - P.W. & U. 3/6
Hqs., Allied Commission

We are attaching some distribution maps of the S.A.D.E. subsidiary Companies as follows :

1. - S F E Società Friulana di Eletticità - Udine
2. - A D C Azienda di Distribuzione Cellina - Venezia
3. - S A E T Società Anonima Elettrica Trevigiana - Treviso
4. - A E V B Azienda Elettrica Val Brenta - Bassano del Grappa Dept.
5. - A E E Azienda Elettrica Euganea - South Padova Dept.
6. - A E V C Azienda Elettrica Veneto Centrale - Padova Dept.
7. - A E V C Town of Padova
8. - A E V C Town of Vicenza
9. - S E V G Società Elettrica della Venezia Giulia - Isonzo and Gorizia Dept.

Additional maps will be transmitted when received.

Also attached is a self explanatory report in duplicate which gives a few facts and figures of the production and distribution of the S.A.D.E. It is interesting to recall that this is the second invasion thru the properties of the Company?

In 1918 the Austrians held a line generally along the Piave River which isolated a major portion of the production facilities from the high-level load centers.

This time British and American bombing accomplished the same result.

I will be glad to furnish any additional data at your request.



Chief Venice Office

Incl.

6307

SOCIETA' RIATICA DI ELETTRICITA'

HYDROELECTRIC PLANTS

Estimates
for July

Gener. Plants	Capacity		Daily generating capacity with the actual stream flow	
	normal kW.	present kW.	normal kwh.	present kwh.
Collina (Valnisio-Giais-Par- titor)	14,500	14,000	300,000	200,000 300,000
Piave-S. Croce (Fadalto-Nove-S. Flo- riano-Castelletto- Caneva-Livenza)	195,000	195,000	2,000,000	2,000,000
Brentella (S) (Pederobba-Croce del Gallo-Caerano)	5,000	15,000 5,000	100,000	100,000
Piave-Ansiei (Felos)	30,000	30,000	450,000	400,000
Cordevolo (Concenighe-Agordo- Stanga)	68,000	60,000	1,200,000	1,000,000
Isanzo (1) (Doblari-Plava)	46,500	30,000 4,000	800,000	250,000 50,000
Cison (1) (Pedesalto)	6,500	4,000	160,000	100,000
Bassano	7,000	6,000	100,000	120,000
Ledra (3)	2,000		48,000	
Adige (Sorio I & II)	12,000	10,000	220,000	220,000
Minore (4)	11,000	11,000	100,000	100,000
Brasinone (5) (S. Maria-Le Piane)	10,000		100,000	
Totals	397,500 404,500	334,000 366,000	5,420,000 5,578,000	4,360,000 4,420,000

334

26
361

5,578,000

630%.

- (4) ~~Not operating - canal damaged by bombing.~~
- (1) ~~The Doblava plant operates with one unit - at reduced load on the 10 kV. grid - the other units and the Flava units are not connected, due to damages on the 110 and 50 kV. lines.~~ *on the gates, and the 50 kV line*
- (2) One unit not in use due to maintenance.
- (3) ~~Not operating - due to electrical damage to the generators.~~ *no water - heat works damaged -*
- (4) Rodipuglia - Aidussina - Desaden - Acqua Mora - Vedronza - Resia and 51 small plants.
- (5) The plants were destroyed during German occupation.

30

Venice, June 7th 1945

6302

VENICE OFFICE
ELECTRICAL DIVISION
PUBLIC WORKS & UTILITIES SUB COM.
ALLIED COMMISSION
A P O 394

CST/PP

Venice May 18 1945

Subject: Weekly report ending May 12 1945

To Chief Milano Office, Elec. Division
P.W. & U. S.C. - Allied Commission

1) Reports were forwarded pertaining to electrical generating and transmission facilities of the following Companies of the Venetian Region:

Società Adriatica di Eletticità
Società Idroelettrica dell' Isarco
Soc. An. Eletticità Ponale
Soc. An. Idroelettrica Cismon
Soc. Idroelettrica Medio Adige

2) The SADE Company completed repairs to the following transmission lines:

Date	Line	Km.
6 May	135 kv Udine Pedipuglia F.F.S.S.	29
	50 kv Bassano Marano	26
7 May	50 kv Opicina Pola (right)	100
8 May	50 kv Opicina Pola (left)	100
	50 kv Opicina Rozzol	9
	50 kv Legnago Lendinara	26
	50 kv Monfalcone Opicina (left)	23
9 May	130 kv Nove Padalzo (left)	4
	50 kv Villa Opicina Opicina Ca. (F.F.S.S.)	2
10 May	50 kv Ferrara Bologna	42
	50 kv Vlaska Pola	29
11 May	50 kv Pedesalto Bassano	37
12 May	50 kv Oderzo Monastier (left)	19

Total Km. 446

3) Maximum daily kW hydroelectric generation by SADE Co. is as follows:

6 May	71,400 kW.
7 May	83,000 kW.
8 May	78,200 kW.
9 May	84,800 kW.
10 May	91,300 kW.
11 May	118,400 kW.
12 May	110,900 kW.

6307

4) The SADE Co. weekly generation report is inclosed herewith.

2 incl.

SADE Generation report 5 May

SADE Generation report 12 May

cc. to Lt. Col. Lapper - Maj. Knight

Clarence S. Wilcox
Major ord.
Chief Venice Off.

Name of Station (Centrale)	Units generated Kwh x 10 ³ (energia prodotta)	Max load KW (carico massimo)	State of Reservoir m x 10 ³ (capacità del Serbatoio)
Hydro Stations (Idroelettrici)			
Fadalto	111.000		
Nove	509.000		
S. Floriano	212.000		S. Croce 50,3
Castelletto	109.000	43.000	Morto 0,7
Caneva	1.918.000		
Livenza	553.000		
Malnisio	614.000		
Giais	238.000	7.600	
Partidor	159.000		
Pedersalto	64.000	300	
Gorio	1.289.000	10.400	
Doblari	49.000	300	Fodiselo (no report)
+Thermal St. (include Diesel) (Termiche (incl. gli Diesel))			
			6309
TOTAL (totale)	5,825,000	65,600	51,0

Report for Midnight Saturday 5 May 1945
Relazione all. mezzanotte del Sabato

Signed (Firmato) Inf. U. Tonini

+(Complete the data on back for Thermal Stations)
(Per le Centrali Termiche completare i dati a tergo)

- 2 -

STATIONARY POWER PLANTS
(Centrali Termiche per la Produzione dell'Energia)

WEEKLY FUEL REPORT

(Relazione Settimanale sul Combustibile)

Name of Thermal Station (Centrale Termica)	FUEL IN TONS (TONN.)				
	Fuel in stock at beginning of week (combust. in magazzino al principio della settimana)	Fuel delivered during the week (combust. consegnato durante la settimana)	Fuel used during the week (combust. impiegato durante la settimana)	Fuel in stock at end of week (combust. in magazzino a fine settimana)	TONS (TONN.)
Marghera	1,320	--	--	1,320	
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Nome di Station (Centrale)	Units Generated KWh x 10 ³ (energia prodotta)	Max load (carico massimo)	State of Reservoir K.M x 10 ³ (condizioni di Serbatoio)
Hydro Stations (Idroelettrici)			
Pedemonte	1,498,000		
Bove	1,077,000		
S. Fiorino	447,000		5,000-63,4
Castellotto	135,000	27,000	Porto 0,7
Canera	1,550,000		
Trivento	1,500,000		
Melnisio	764,000		
Giulis	155,000	10,500	
Partidor	275,000		
Pedersalto	192,000	300	
Sorio	1,586,000	10,200	
Pelos	30,000	--	S. Caterina 2,7
Doblari	49,000	300	Comelico (no report)
			Podiselo (no report)
			6299
TOTAL (totale)	3,946,000	118,400	59,6

+Thermal St. (include Diesel)
(Termiche (incl. quelle Diesel))

Report for Midnight Sunday 12 May 1945 1945
Relazione all' mezzanotte del Sabato 12 Maggio 1945

Ing. M. Tonini
Sig. (Firmato)

+ (Complete the data call back for Thermal Stations)
(Per le Centrali Termiche completare i dati a tergo)

RESEARCH AND DEVELOPMENT STATIONS (Centrali termiche per la Produzione dell'Energia)

2. THE FULL RATIO

(Relazione Settimanale sul Combustibile)

Name of Thermal Station (Centrale Termica)	Fuel in stock at beginning of week (combust. in mazzino) al principio alla setti- mana T.M.S (tonn)	Fuel deli- vered dur- ing the week (combust. consegnato durante la settimana) T.M.S (tonn)	Fuel used during the week (combust.) impiegato durante la settimana T.M.S (Tonn)	Fuel in stock at end of week (combust. in mazzino e fine setti- mana) T.M.S (Tonn)
1	Coal carbone Oil Pavta Coal Carbone			

Name of Thermal Station (Centrale Termica)	Fuel in stock at beginning of week (combust. in magazzino al principio della settimana) TGS (tonn)	Fuel delivered during the week (combust. consegnato durante la settimana) TGS (tonn)	Fuel used during the week (combust.) magazzino fine settimana) TGS (Tonn)	Fuel in stock at end of week (combust. in magazzino fine settimana) TGS (Tonn)
Maigrafo	Coal carbone oil Nafta Coal Carbone oil Nafta Coal Carbone Oil Nafta Coal Carbone Oil Nafta Coal Carbone Oil Nafta Coal Carbone Oil Nafta	1,320	1,320	1,320

Report for midnight 5 carday. 1945
Relazione alla mezzanotte del 530May 1945

Signal (Hertz)

Ing. M. Tonini

PROSPETTO DEGLI IMPIANTI IDROELETTRICI DEL GRUPPO SADE

=====

IMPIANTO	Potenza efficiente		Capacità produttiva giornaliera in base alle attuali portate	
	normale kW.	attuale kW.	con impianti in piena eff. kWh.	con impianti at- tualmente in serv- kWh.
Piave-S. Croce	195.000	195.000	2.000.000	2.000.000
Cellina	14.500	14.500	300.000	300.000
Brentella (1)	5.000	==	100.000	==
Cismon (2)	6.500	4.000	160.000	100.000
Adige	12.000	12.000	220.000	220.000
Piave Ansiei (3)	30.000	==	450.000	==
Cordevole (3)	68.000	==	1.200.000	==
Isonzo (4)	46.500	4.000	800.000	90.000
Brasimone (5)	==	==	==	==
Bassano	7.000	6.000	120.000	120.000
Ledra (6)	2.000	==	==	==
Minori	11.000	12.000	100.000	100.000
Totali	397.500	247.500	5.460.000	2.940.000

(1) Fuori servizio causa danni al canale per bombardamenti del giorno 27 aprile

(2) Un gruppo è fuori servizio per manutenzione

(3) Gli impianti del Piave-Ansiei e del Cordevole sono fuori servizio per guasto alla linea 130 kV.

(4) La centrale di Doblari è in servizio con un solo gruppo a carico ridotto sulla rete a 10 kV., mentre gli altri gruppi e quelli della Centrale

./.

2)

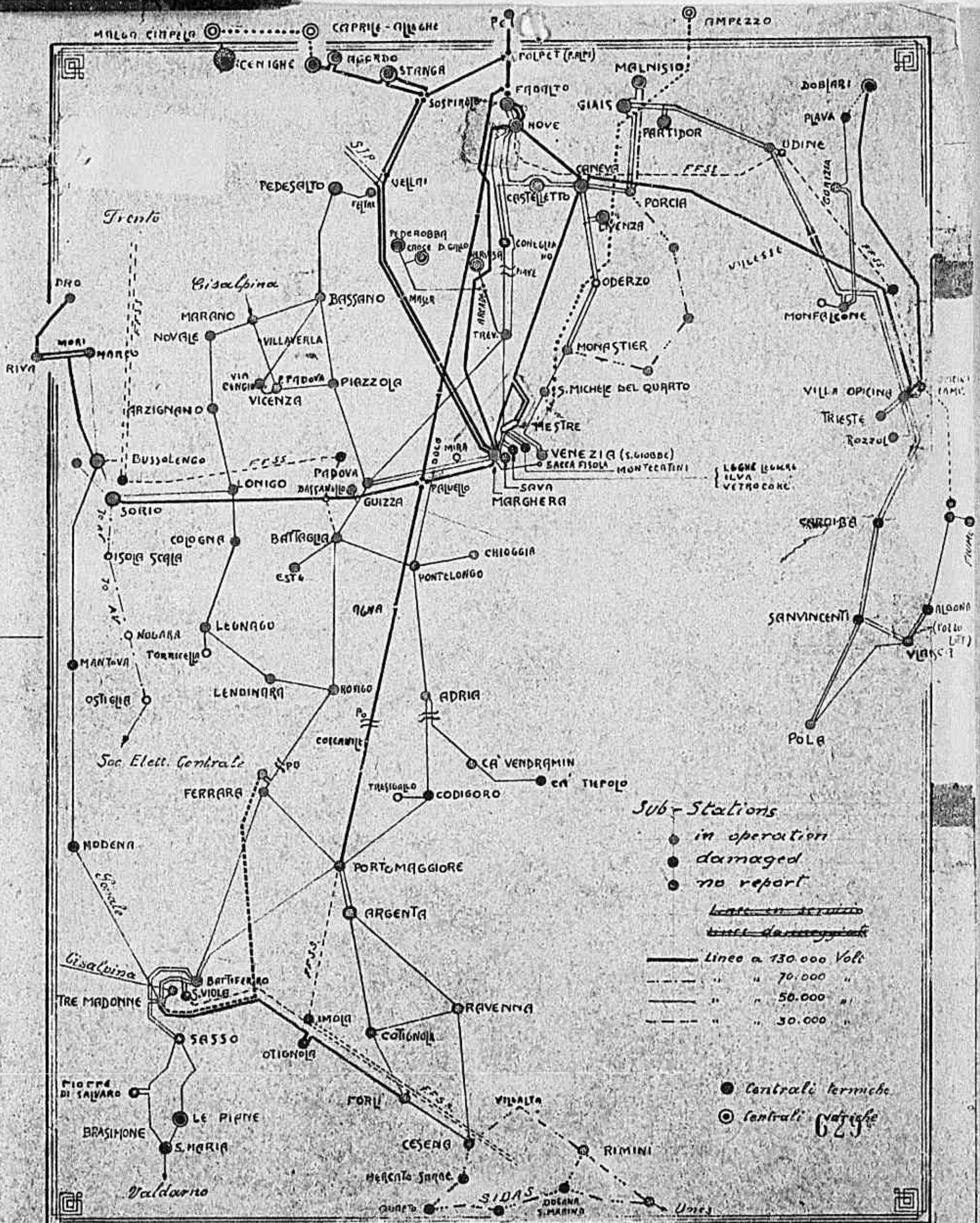
di Plava sono fuori servizio per guasti alle linee a 130 kV. e 50 kV.

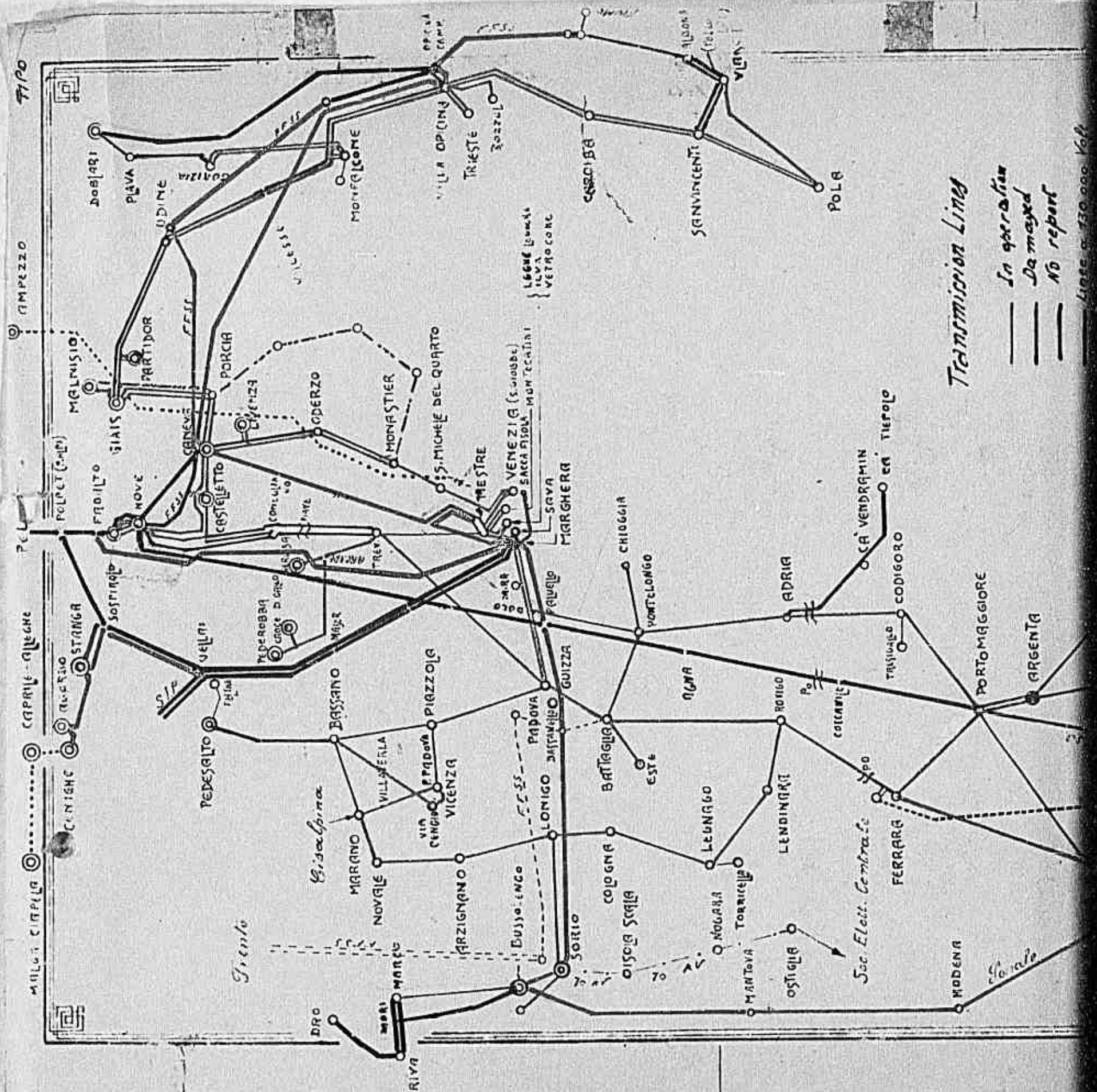
(5) Gli impianti sono stati distrutti dai guastatori tedeschi.

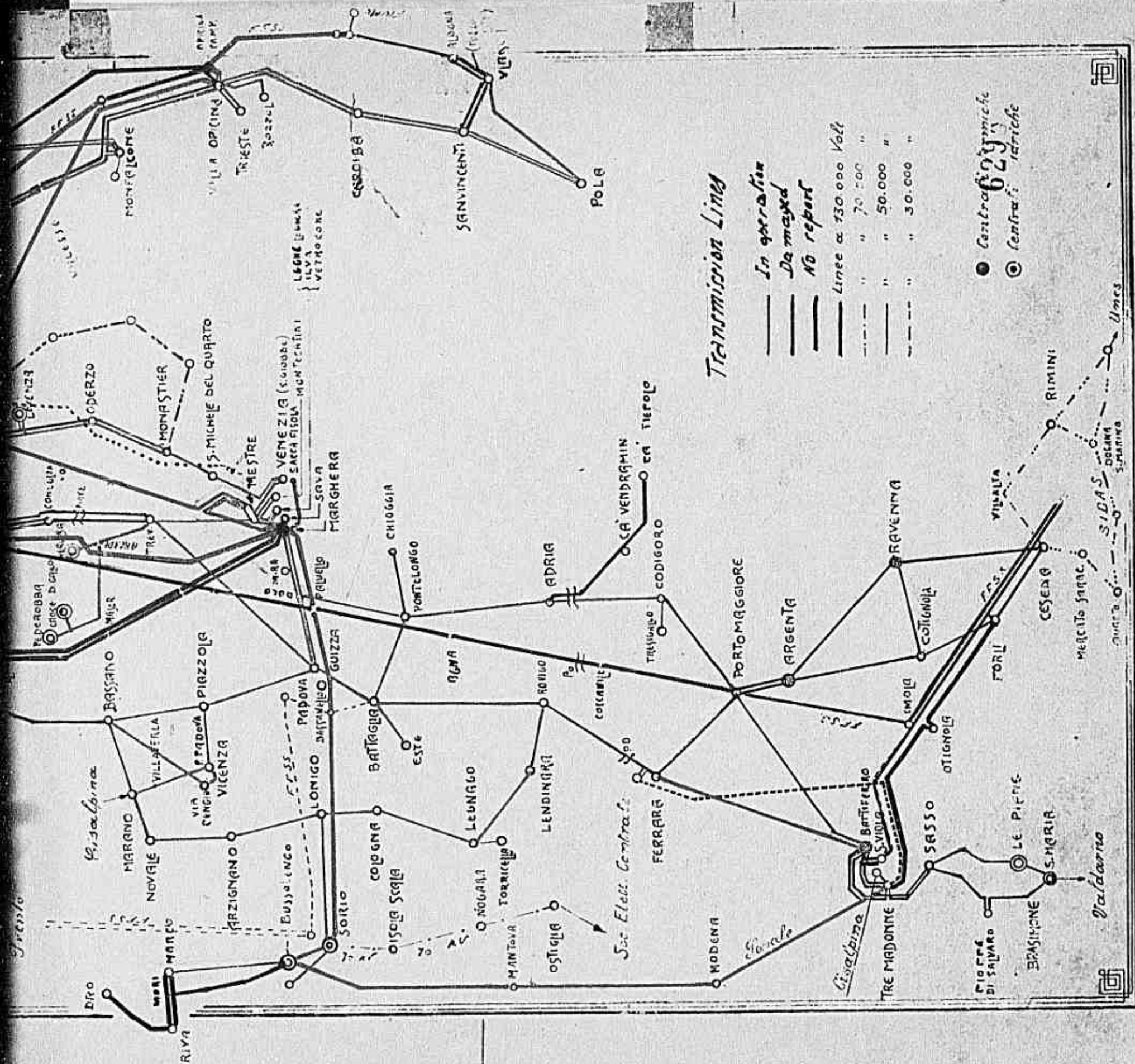
(6) Fuori servizio causa guasti alternatori.

Venezia, 7 maggio 1945

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20 May 1945

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