FLORENCE TO **MIDDLEBURY** K840 309 (SF6) SOURCE (1) 304 T1LS 308 LINE (M) T1 VTXXX XXX 33.6/44.8/56 MVA H8412 H8411 TO (VAC) (VAC) WEST RUTLAND GMP VELCO 잉 VELC GMP XXX XXX (M) M TO TO LINE -LINE LEICESTER¹ **OMYA** 120 110 VT VT XXX XXX H1012 H1011 (VAC) (VAC) 8 C8 GMP (SF6) XXX XXX 필 (M) TO 100 PROCTOR XXX 10 LINE MV/AR VT **STATION SERVICE**

FACILITIES REFERENCE LEGEND

ISO-NEW ENGLAND PTF FACILITIES (COMMON FACILITIES):

POOL TRANSMISSION FACILITIES (PTF) ARE THE TRANSMISSION FACILITIES OWNED BY PARTICIPATING TRANSMISSION OWNERS (PTO), OVER WHICH THE ISO SHALL EXERCISE OPERATING AUTHORITY IN ACCORDANCE WITH THE TERMS SET FORTH IN THE TRANSMISSION OPERATING AGREEMENT (TOA), RATED 69kV OR ABOVE REQUIRED TO ALLOW ENERGY FROM SIGNIFICANT POWER SOURCES TO MOVE FREELY ON THE NEW ENGLAND TRANSMISSION SYSTEM.

COMMON FACILITIES (NON-PTF):

VELCO FACILITIES THAT COMPRISE THE STATEWIDE, HIGH VOLTAGE TRANSMISSION GRID, INTERCONNECTING AND SERVING THE LOAD CENTERS OF THE STATE, AND ARE USED IN COMMON BY ALL PURCHASERS OF TRANSMISSION SERVICES ON A STATEWIDE BASIS. THIS INCLUDES FACILITIES CONSTRUCTED PRIOR TO 7-1-90, OR ANY SPECIFIC FACILITIES CONSTRUCTED AFTER 7-1-90 THAT HAVE BEEN RECLASSIFIED AS COMMON FACILITIES AS A RESULT OF BEING IN SERVICE FOR A PERIOD OF TEN YEARS.

SPECIFIC FACILITIES:

HIGH VOLTAGE LINES. SUBSTATIONS AND OTHER APPURTENANCES CONSTITUTING A HIGH VOLTAGE LINES, SUBSTATIONS AND OTHER APPURTENANCES CONSTITUTING A DIRECT PHYSICAL CONNECTION TO THE VELCO (COMMON) TRANSMISSION SYSTEM AND ARE NOT PART OF THE LOOPED TRANSMISSION GRID. THESE FACILITIES ARE USED AND INSTALLED TO BENEFIT A REQUESTING PURCHASER OF TRANSMISSION SERVICE. IN THE CASE OF A SUBSTATION (STEPPING DOWN TO A LOWER VOLTAGE) THIS INCLUDES THE TRANSFORMER, HIGH SIDE CIRCUIT SWITCHER, BANK BREAKER, ANCILLARY DEVICES, CONTROLS AND CONTROL CIRCUITRY (REFER TO COMMON FACILITIES DEFINITION FOR PROTECTION OF DECLARS PROPERTY OF THE PR FACILITIES DEFINITION FOR CRITERIA OF RECLASSIFICATION).

EXCLUSIVE FACILITIES:

EQUIPMENT CONNECTED TO THE LOW VOLTAGE BUS, INCLUDING ANY ASSOCIATED PROTECTION, CONTROL, AND METERING SYSTEMS THAT HAVE BEEN CONSTRUCTED UNDER A VELCO WORK ORDER, AND ARE TO BE FULLY OWNED AND FUNDED BY THE PURCHASER OF TRANSMISSION SERVICE UPON COMMISSIONING, THIS TYPICALLY INCLUDES FOUNDATIONS AND STRUCTURES, BREAKERS AND SWITCHES, INSULATORS, LINE POTENTIAL TRANSFORMERS, CONDUIT, CABLE AND GROUNDING. ONGOING MAINTENANCE AND TESTING OF THESE FACILITIES ARE SUBJECT TO THE TERMS AND CONDITIONS OF VELCO'S SUBSTATION PARTICIPATION AGREEMENT.

SHARED FACILITIES (COMMON USE):

TYPICALLY CONSISTING OF EQUIPMENT LOCATED WITHIN SUBSTATIONS THAT ARE SHARED IN SOME MANNER FOR THE BENEFIT OF BOTH VELCO AND THE PURCHASER OF TRANSMISSION SERVICE. THIS INCLUDES STRUCTURES (BUILDINGS) AND IMPROVEMENTS, FENCING AND GATES, LOW VOLTAGE DISCONNECT SWITCHES, BUS WORK, LOW VOLTAGE POTENTIAL TRANSFORMERS (STATION SERVICE AND BUS BOS WORK, LOW VOLTAGE POLENTIAL TRANSFORMERS (STATION SERVICE AND BOS POTS), COMPLETE STATION GROUNDING SYSTEMS, SUPPORTS AND CABLE TRAYS, BATTERIES AND CHARGERS, SWITCHSTICKS AND GLOWTECTORS, LADDERS, TABLES AND SUPPLY CABINETS. ONGOING MAINTENANCE AND TESTING OF THESE FACILITIES ARE SUBJECT TO THE TERMS AND CONDITIONS OF VELCO'S SUBSTATION PARTICIPATION AGREEMENT.

NOTES

- 2022 SCAPFLO-C (VELCO initiated maintenance project);

 1. H8412 AND H8411 CIRCUIT, ASSOCIATED DISCONNECTS AND SECONDARY APPURTENANCES SHALL BE CLASSIFIED AS SPECIFIC FACILITIES WITH THE CHANGE IN BUS TOPOLOGY FROM RADIAL TO RING. THIS COMMON/SPECIFIC FACILITY BOUNDARY ALIGNS WITH THE FCC FACILITY RING BUS BOUNDARIES ESTABLISHED ON PAST RING BUS PROJECTS. THE RADIAL NATURE OF THE TRANSFORMER AND HIGH SIDE INTERRUPTING DEVICE FROM THE PTF BOUNDARY TO THE 46 KV BUS POSITION DOES NOT CHANGE IN TOPOLOGY AND SHALL RETAIN ITS COMMON FACILITY CLASSIFICATION.
- C8 CAPACITOR BANK COMMON CLASSIFICATION SHALL BE RETAINED (LEGACY CLASSIFICATION). GMP REQUESTED AN UP-SIZE FROM 5.4 MVAR TO 10 MVAR WITH THE REFURBISHMENT OF THIS COMMON FACILITY ASSET. THE REQUEST TO UP-SIZE TO 10 MVAR ESTABLISHED ITS SPECIFIC FACILITY CLASSIFICATION WITH THE PROJECT.
- THE GOAB CLASSIFICATION ALLOCATION WAS UPDATED FROM A 100% PTF TO A 1/3-2/3 SPLIT BETWEEN COMMON AND PTF COST CLASSIFICATION TO ALIGN WITH THE PTF BOUNDARY.

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1A	01.05.21	AG	EJM	s				
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VILCO					VERMONT ELECTRIC POWER CO., INC. RUTLAND, VERMONT			
					FLORENCE SUBSTATION			
FLORENCE SUBSTATION FLORENCE SUBSTATION FACILITIES CLASSIFICATION DIAGRAM								
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