

Appendix G -

Reactive Resources Required to Perform Reactive Capability Auditing

Effective Date: May 22, 2024

Review By Date: May 22, 2026

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*This document is controlled when viewed on the ISO New England Internet web site. When downloaded and printed, this document becomes **UNCONTROLLED**, and users should check the Internet web site to ensure that they have the latest version.*

Table 1 - CONVEX Generator Reactive Resources

Generator Asset Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
ALTRESCO	326	2026	2024
BERKSHIRE POWER	1086	2027	2027
BRIDGEPORT ENERGY 1	1032	2027	2023
PSEG Bridgeport Harbor CCGT EX	38206	2024	2024
CABOT	14801	2023	2023
COBBLE MOUNTAIN	379	2020	2020
COS COB 10	370	2025	2025
COS COB 11	371	2025	2025
COS COB 12	372	2025	2025
COS COB 13	14157	2025	2025
COS COB 14	14158	2025	2025
DEVON 10	396	2026	2025
DEVON 11	397	2023	2023
DEVON 12	398	2023	2023
DEVON 13	399	2023	2023
DEVON 14	400	2023	2023
DEVON 15	12504	2026	2026
DEVON 16	17044	2026	2026
DEVON 17	17045	2026	2026
DEVON 18	17046	2026	2026
DEXTER 1	42375	2026	2026
DEXTER 2	42376	2026	2026
DOREEN	395	2022	2021
DWW SOLAR	67732	2026	2026
FRANKLIN DRIVE 10	420	2024	2024
FUSION SOLAR CENTER	50634	2026	2026
KLEEN ENERGY	14614	2026	2026
LAKE ROAD 1	1342	2026	2026
LAKE ROAD 2	1343	2026	2026
LAKE ROAD 3	1344	2026	2026
MASS POWER	497	2027	2027
MIDDLETOWN 12	12505	2023	2023

Generator Asset Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
MIDDLETOWN 13	37366	2023	2023
MIDDLETOWN 14	37367	2023	2023
MIDDLETOWN 15	37368	2023	2023
MIDDLETOWN 2	480	2023	2023
MIDDLETOWN 3	481	2023	2023
MIDDLETOWN 4	482	2023	2023
MIDDLETOWN 10	478	2024	2024
MILFORD POWER 1	1385	2024	2024
MILFORD POWER 2	1386	2024	2023
MILLSTONE POINT 2	484	2027	N/A
MILLSTONE POINT 3	485	2027	N/A
MONTVILLE 5	493	2027	2027
MONTVILLE 6	494	2023	2023
NEW HAVEN HARBOR	513	2026	2025
NEW HAVEN HARBOR UNIT 2	15477	2027	2023
NEW HAVEN HARBOR UNIT 3	40052	2027	2023
NEW HAVEN HARBOR UNIT 4	40053	2027	2023
NUTMEG SOLAR	68726	2026	2025
PIERCE STATION	13515	2027	2027
PLAINFIELD RENEWABLE ENERGY	15509	2019	2019
SHEPAUG	566	2023	2023
SO. MEADOW 5	580	2020	2020
SO. MEADOW 6	581	2020	2021
STEVENSON	587	2023	2024
STONY BROOK 2A	583	2028	2028
STONY BROOK 2B	584	2023	2028
STONY BROOK GT1A	1185	2023	2023
STONY BROOK GT1B	1186	2023	2023
STONY BROOK GT1C	1187	2023	2023
CPV TOWANTIC 1A	49325	2028	2028
CPV TOWANTIC 1B	49326	2028	2028
WALLINGFORD UNIT 1	1376	2023	2023
WALLINGFORD UNIT 2	1377	2023	2023
WALLINGFORD UNIT 3	1378	2024	2024

Generator Asset Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
WALLINGFORD UNIT 4	1379	2024	2024
WALLINGFORD UNIT 5	1380	2023	2023
WALLINGFORD UNIT 6	50025	2023	2023
WALLINGFORD UNIT 7	50026	2023	2023
WATERBURY GENERATION FACILITY	12564	2022	2022
WATERSIDE POWER	11842	2024	2024
WEST SPRINGFIELD GT-1	1693	2024	2022
WEST SPRINGFIELD GT-2	1694	2022	2022
WHEELABRATOR BRIDGEPORT, L.P.	349	2024	2024
WOODLAND ROAD	628	2021	2021

* Dates will be updated annually

Table 2 - CONVEX Non-Generator Reactive Resources

Non-Generator Reactive Resource Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
CROSS SOUND CABLE PTF TIE LINE	11063	2022	2022
GLENBROOK STATCOM		2024	2024
STONY HILL SYNCHRONOUS CONDENSER		2024	2024

* Dates will be updated annually

Table 3 - CONVEX Electric Storage Facility Reactive Resources

Electric Storage Facility Reactive Resource Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
NORTHFIELD MOUNTAIN 1	14217	2026	2026
NORTHFIELD MOUNTAIN PUMP 1	14224	2025	2025
NORTHFIELD MOUNTAIN 2	14218	2026	2026
NORTHFIELD MOUNTAIN PUMP 2	14225	2025	2025
NORTHFIELD MOUNTAIN 3	14219	2024	2024
NORTHFIELD MOUNTAIN PUMP 3	14226	2025	2025
NORTHFIELD MOUNTAIN 4	14220	2024	2024
NORTHFIELD MOUNTAIN PUMP 4	14227	2025	2025
ROCKY RIVER	739	2023	2027
ROCKY RIVER PUMP 1-2	11768	2025	N/A

* Dates will be updated annually

Table 4 - Maine Generator Reactive Resources

Generator Asset Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
ANDRO COGEN 1	13703	2023	2023
ANDRO COGEN 2	13704	2023	2023
ANDRO COGEN 3	13705	2023	2023
BUCKSPORT	47390	2026	2026
BULL HILL WIND	40343	2021	2021
CAPE GT 4	367	2027	2028
CAPE GT 5	368	2027	2028
ND PAPER	345	2019	2019
COVANTA JONESBORO	446	2025	2025
COVANTA WEST ENFIELD	445	2025	2025
GULF ISLAND COMPOSITE	328	2026	2026
HANCOCK WIND	48082	2023	2023
HARRIS 1	432	2023	2027
HARRIS 2	433	2023	2027
HARRIS 3	434	2023	2027
HARRIS 4	757	2023	2027
KIBBY WIND POWER	12551	2026	2026
MAINE INDEPENDENCE STATION 1	40338	2023	2023
MAINE INDEPENDENCE STATION 2	40339	2023	2023
PASSADUMKEAG WIND PROJECT	38417	2023	2027
PERC-ORRINGTON 1	536	2022	2020
RECORD HILL WIND	14665	2022	2022
REENERGY LIVERMORE FALLS	463	2026	2026
REENERGY STRATTON	590	2026	2026
ROLLINS WIND PLANT	37175	2021	2021
RUMFORD FALLS	11424	2027	2027
RUMFORD POWER	1255	2025	2025
SANFORD SOLAR	68737	2025	2025
SKELTON	569	2024	2024
STETSON II WIND FARM	16612	2021	2021
STETSON WIND FARM	15464	2021	2021
WEAVER WIND	68734	2026	2026
WESTBROOK ENERGY CENTER G1	14177	2023	2023

Generator Asset Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
WESTBROOK ENERGY CENTER G2	14178	2023	2023
WILLIAMS	621	2025	2023
WYMAN HYDRO 1	636	2023	2023
WYMAN HYDRO 2	637	2023	2023
WYMAN HYDRO 3	638	2023	2023
YARMOUTH 3	641	2023	2024
YARMOUTH 4	642	2023	2024

* Dates will be updated annually

Table 5 - Maine Non-Generator Reactive Resources

Non-Generator Reactive Resource Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
BINGHAM WIND SYNCHRONOUS CONDENSER	37105	2023	2023
CHESTER STATIC VAR COMPENSATOR	N/A	2024	2024
COOPERS MILLS STATCOM	N/A	2024	2024
DOGTOWN ROAD STATIC VAR COMPENSATOR	67554	2024	2019
OAKFIELD WIND SYNCHRONOUS CONDENSER	46951	2023	2023

* Dates will be updated annually

Table 6 - Maine Electric Storage Facility Reactive Resources

Electric Storage Facility Reactive Resource Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
MILLINOCKET RENEWABLE BES	69256	2025	2025

* Dates will be updated annually

Table 7 - New Hampshire Generator Reactive Resources

Generator Asset Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
ANTRIM WIND	38553	2025	2025
NERP BETHLEHEM, LLC	337	2024	2024
BURGESS BIOPOWER	16653	2027	2027
EP NEWINGTON ENERGY, LLC	1649	2025	2024
GRANITE RELIABLE POWER, LLC	14595	2023	2023
GROTON WIND	37050	2016	2016
JERICO WIND	43580	2024	2024
MERRIMACK 1	489	2027	2027
MERRIMACK 2	490	2027	2027
MERRIMACK CT1	382	2023	2027
MERRIMACK CT2	383	2023	2023
NEWINGTON 1	508	2027	2027
PONTOOK HYDRO	539	2024	2024
SCHILLER 4	556	2025	2024
SCHILLER 5	557	2023	2022
SCHILLER 6	558	2023	2022
SCHILLER CT 1	559	2024	2023
SEABROOK	555	2025	2024
SMITH	570	2024	2024
TAMWORTH	592	2025	2025
NERP WHITEFIELD, LLC	618	2024	2024

* Dates will be updated annually

Table 8 - New Hampshire Non-Generator Reactive Resources

Non-Generator Reactive Resource Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
FARMWOOD SYNCHRONOUS CONDENSER 3	N/A	2024	2024
FARMWOOD SYNCHRONOUS CONDENSER 4	N/A	2024	2024
SACO VALLEY SYNCHRONOUS CONDENSER 1	N/A	2024	2024
SACO VALLEY SYNCHRONOUS CONDENSER 2	N/A	2024	2024

* Dates will be updated annually

Table 9 - New Hampshire Electric Storage Facility Reactive Resources

Electric Storage Facility Reactive Resource Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
THIS TABLE LEFT BLANK FOR FUTURE USE	N/A	N/A	N/A

* Dates will be updated annually

Table 10 - NGRID Generator Reactive Resources

Generator Asset Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
ANP-BELLINGHAM 1	1412	2025	2025
ANP-BELLINGHAM 2	1415	2025	2025
BELLOWS FALLS	335	2028	2028
CLEARY 9/9A CC	375	2023	2023
COMERFORD 1	47366	2028	2028
COMERFORD 2	47367	2028	2028
COMERFORD 3	47368	2028	2028
COMERFORD 4	47369	2028	2028
DIGHTON POWER LLC	1005	2024	2026
GRANITE RIDGE ENERGY 1A	48120	2026	2027
GRANITE RIDGE ENERGY 1B	48121	2026	2027
HARRINGTON STREET PV	38115	2026	2022
HARRIMAN	435	2028	2028
HOOSAC WIND	12529	2016	2016
LENERGIA ENERGY CENTER	461	2026	2026
MILFORD POWER	486	2025	2024
MILLENNIUM	1210	2025	2023
MOORE 1	47370	2023	2023
MOORE 2	47371	2023	2023
MOORE 3	47372	2023	2023
MOORE 4	47373	2023	2023
OGDEN-MARTIN 1	527	2027	2027
PINETREE POWER	538	2022	2022
RESCO SAUGUS	546	2027	2027
SALEM 5	48695	2024	2024
SALEM 6	48696	2024	2024
WATERS RIVER JET 1	612	2017	2017
WATERS RIVER JET 2	613	2017	2017
WHEELABRATOR NORTH ANDOVER	547	2024	2024
WILDER	620	2028	2028
WMI MILLBURY 1	624	2024	2024

* Dates will be updated annually

Table 11 - NGRID Non-Generator Reactive Resources

Non-Generator Reactive Resource Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
THIS TABLE LEFT BLANK FOR FUTURE USE	N/A	N/A	N/A

* Dates will be updated annually

Table 12 - NGRID Electric Storage Facility Reactive Resources

Electric Storage Facility Reactive Resource Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
J. COCKWELL 1	359	2028	2028
J. COCKWELL PUMP 1 LOAD	11765	2024	2024
J. COCKWELL 2	360	2026	2027
J. COCKWELL PUMP 2 LOAD	11766	2022	2022

* Dates will be updated annually

Table 13 - RIE Generator Reactive Resources

Generator Asset Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
JOHNSTON LANDFILL GAS TURBINE PLANT	40054	2024	2024
MANCHESTER 10/10A CC	321	2026	2026
MANCHESTER 11/11A CC	322	2026	2026
MANCHESTER 9/9A CC	323	2026	2026
OCEAN ST PWR GT1/GT2/ST1	528	2023	2023
OCEAN ST PWR GT3/GT4/ST2	529	2023	2023
RISEP	1630	2026	2026
TIVERTON POWER	1226	2026	2023

* Dates will be updated annually

Table 14 - RIE Non-Generator Reactive Resources

Non-Generator Reactive Resource Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
THIS TABLE LEFT BLANK FOR FUTURE USE	N/A	N/A	N/A

* Dates will be updated annually

Table 15 - RIE Electric Storage Facility Reactive Resources

Electric Storage Facility Reactive Resource Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
THIS TABLE LEFT BLANK FOR FUTURE USE	N/A	N/A	N/A

* Dates will be updated annually

Table 16 - NSTAR Generator Reactive Resources

Generators Asset Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
ANP-BLACKSTONE ENERGY 1	1286	2023	2023
ANP-BLACKSTONE ENERGY 2	1287	2023	2023
CANAL 1	365	2026	2026
CANAL 2	366	2026	2026
CANAL 3	38310	2024	2024
DARTMOUTH CT GENERATOR 3	15940	2026	2026
DARTMOUTH POWER	388	2026	2026
FORE RIVER 11	40327	2028	2028
FORE RIVER 12	40328	2028	2028
FRAMINGHAM JET 1	417	2024	2023
FRAMINGHAM JET 2	418	2024	2023
FRAMINGHAM JET 3	419	2024	2023
KENDALL CT	1672	2026	2023
MYSTIC 8	1478	2026	2026
MYSTIC 9	1616	2026	2026
NEA BELLINGHAM 1A	48754	2025	2025
NEA BELLINGHAM 1B	48755	2025	2025
POTTER 2 CC	540	2021	2024
SEMASS 1	563	2027	2021
SEMASS 2	564	2026	2021
THOMAS A. WATSON UNIT #1	15484	2025	2025
THOMAS A. WATSON UNIT #2	15485	2025	2025
WEST MEDWAY JET 1	625	2023	2023
WEST MEDWAY JET 2	626	2023	2023
WEST MEDWAY JET 3	627	2024	2023
WEST MEDWAY JET 4	50115	2024	2024
WEST MEDWAY JET 5	50116	2024	2024

* Dates will be updated annually

Table 17 - NSTAR Non-Generator Reactive Resources

Non-Generator Reactive Resource Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
BARNSTABLE STATIC VAR COMPENSATOR**	N/A	N/A	N/A
VINEYARD WIND SYNCHRONOUS CONDENSER 1	N/A	2023	2023
VINEYARD WIND SYNCHRONOUS CONDENSER 2	N/A	2023	2023

* Dates will be updated annually

** Controls are not currently configured for steady-state voltage control

Table 18 - NSTAR Electric Storage Facility Reactive Resources

Electric Storage Facility Reactive Resource Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
THIS TABLE LEFT BLANK FOR FUTURE USE	N/A	N/A	N/A

* Dates will be updated annually

Table 19 - VELCO Generator Reactive Resources

Generator Asset Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
ASCUTNEY GT	329	2019	2023
BERLIN 1 GT	336	2018	2027
BURLINGTON GT	363	2023	2023
COOLIDGE SOLAR	50815	2020	2020
ESSEX DIESELS	1221	2026	2026
GORGE 1 DIESEL	426	2027	2022
J C MCNEIL	474	2023	2023
KINGDOM COMMUNITY WIND	35979	2022	2022
RUTLAND 5 GT	549	2025	2026
SHEFFIELD WIND PLANT	12530	2024	2024
SWANTON GT-1	12510	2025	2025
SWANTON GT-2	12511	2025	2025

* Dates will be updated annually

Table 20 - VELCO Non-Generator Reactive Resources

Non-Generator Reactive Resource Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
ASCUTNEY STATIC VAR COMPENSATOR	N/A	2024	2024
ESSEX STATCOM	N/A	2024	2024
GRANITE SYNCHRONOUS CONDENSER 1	N/A	2024	2024
GRANITE SYNCHRONOUS CONDENSER 2	N/A	2024	2024
GRANITE SYNCHRONOUS CONDENSER 3	N/A	2024	2024
GRANITE SYNCHRONOUS CONDENSER 4	N/A	2024	2024
JAY SYNCHRONOUS CONDENSER	N/A	2024	2024

* Dates will be updated annually

Table 21 - VELCO Electric Storage Facility Reactive Resources

Electric Storage Facility Reactive Resource Name	Asset ID	Year Lagging Audit Due*	Year Leading Audit Due*
THIS TABLE LEFT BLANK FOR FUTURE USE	N/A	N/A	N/A

* Dates will be updated annually

OP-23 Appendix G Revision History**Document History**

Rev. No.	Date	Reason
Rev 0	12/09/14	Initial version
Rev 1	04/06/15	Biennial review completed by procedure owner; Globally, modified dates to reflect testing performed; Globally, added and removed units per VTF request; Table 5, modified REMVEC name (added /NGRID)
Rev 2	12/01/15	Changed document title from "...Testing" to "...Auditing"; Globally replaced "Test" with "Audit";
Rev 3	05/04/16	Biennial review completed by procedure owner; Globally, updated test dates based upon 2015 testing; Deleted Bucksport 4 and 3; Added Bucksport 3-5; Removed Great Lakes-Millinocket;
Rev 4	04/18/17	Biennial review completed by procedure owner; Added required corporate document identity to all page footers; Globally, updated test dates based upon 2016 testing; Deleted Comerford, Moore, Mount Tom; Added: Comerford 1, Comerford 2, Comerford 3, Comerford 4, Moore 1, Moore 2, Moore 3, Moore 4, Harrington St PV, Hancock Wind, Passadumkeag Wind, Salem 5, Salem 6;
Rev 5	05/04/18	Biennial review completed by procedure owner; Globally, updated test dates based upon 2017 testing; Table 1, added TOWANTIC 1A, 1B, Wallingford Unit 6, 7; Table 5: deleted REMVEC from title, deleted Brayton Pt 1, 2, 3, 4, added Granite Ridge Energy 1A, 1B, added Salem 5, 6
Rev 6	03/01/19	Headers, updated OP-23 title; Globally updated test dates based upon 2018 testing; Table 1 added Bridgeport Harbor 4 and PSEG Bridgeport Harbor CCGT EX, Franklin Drive 10, Middletown 10, Plainfield Renewable Energy, and Wheelabrator Bridgeport, L.P, replaced "TOWANTIC 1A & 1B" with "CPV TOWANTIC 1A & 1B"; Table 2, replaced "BUCKSPORT 3-5" with "BUCKSPORT", and added Catalyst Co-Gen; Table 4, added Canal 3, deleted NEA Bellingham, added NEA Bellingham 1A & 1B, West Medway Jets 4 & 5;
Rev 7	10/01/19	Biennial review completed by procedure owner; Modified document title (i.e., replaced "Generators" with "Resources"; Alphabetically re-ordered Tables by LCC; Modified each former LCC Generator Table (i.e., re-numbered each Table and replaced "Generators" with "Generator Reactive Resources" in each title; Added a LCC Non-Generator Reactive Resource Table following each LCC Generator Reactive Resource Table and sequentially re-numbers all tables;
Rev 8	04/22/20	Biennial review completed by procedure owner; Globally updated resource audit testing dates based on 2019 testing; Table 1 : deleted Bridgeport Harbor 4; Table 4: deleted Yarmouth 1 and 2; Table 7: added Antrim Wind; Table 13: deleted Pilgrim;
Rev 9	01/20/22	Biennial review completed by procedure owner Globally updated resource audit testing dates based on testing Table 1 : deleted Bridgeport Harbor 3, CDECCA, and West Springfield 3 Table 1 : added DWW Solar, Fusion Solar Center, and Nutmeg Solar Table 4:,added Sanford Solar and Weaver Wind Table 6 : added Millinocket Renewable BES : Table 10:deleted Cleary 8 and Pawtucket Power

Rev. No.	Date	Reason
Rev 10	01/17/24	Biennial review completed by procedure owner; Globally updated resource audit testing dates based on testing; Table 1: deleted So. Meadow 11 through 14; Table 7: added Nerp Bethlehem, LLC, Jericho Wind, Smith, and Nerp Whitefield, LLC; Table 13: deleted Mystic 7; Table 14: added Vineyard Wind Synchronous Condenser 1 and 2; Table 16: added Sheffield Wind Plant.
Rev 10.1	05/22/24	Biennial review completed by procedure owner; Added Tables 13, 14, & 15 for RIE incorporation; Moved assets Johnston Landfill, Manchester 9, 10, & 11, Ocean St Pwr ST1 & 2, RISEP, and Tiverton from Table 10 NGRID to Table 13 RIE.