

Commonwealth of Massachusetts
Department of Environmental Protection
Emission Reduction Credit Registry
Information as of August 10, 2023

Summary of Total Available Emission Reduction Credits

	Rate-based (Tons Per Year)	Mass-based (tons)	
		Ozone-season	non-Ozone season
Nitrogen oxides (NO _x)	558	5905.18	13026.57
Volatile Organic Compounds (VOC)	40	411.5	605.79
Carbon Monoxide (CO)	22	NA	NA

This file contains information concerning the generation and use of Emission Reduction Credits (ERCs) for volatile organic compounds (VOCs), oxides of nitrogen (NO_x), and carbon monoxide (CO) created under the Massachusetts Emission Banking and Trading Program at 310 CMR 7.00 Appendix B (3).

- This file does not contain information regarding Massachusetts Greenhouse Gas Credits (MA GHG Credits) generated under 310 CMR 7.00 Appendix B (7).
- To the extent this Registry contains information relating to NO_x Allowances, it contains information regarding the conversion of NO_x ERCs to Early Reduction Allowances (ERAs) only.
- Information concerning NO_x Allowances allocated under 310 CMR 7.27, 310 CMR 7.28, and the Clean Air Interstate Rule 310 CMR 7.32 is available on the Internet at: <https://campd.epa.gov>
- MassDEP revises this Registry as expeditiously as possible to reflect corrections, updated contact information, transfers of ownership, and ERC use for periodic RACT compliance. Please contact Yi Tian, MassDEP, (617) 694-0530 or yi.tian@mass.gov to report any changes that should be made to the Registry.

- **ERC quantities shown in this Registry are not devalued or discounted based on more stringent requirements imposed after the creation of the ERCs.** The quantity of ERCs shown in this Registry reflects only the MassDEP approval action creating such ERCs, and any subsequent use, transfer, conversion or shelf-life expiration.

When ERCs are created, their quantity is determined based on the lesser of actual or allowable emissions for the baseline period for the rules in place at the time of the ERC application.

When ERCs are used as offsets or for RACT compliance, this determination must be repeated with respect to the original reductions. For example, if “allowable” emissions decreased through new more stringent RACT regulations and fallen below the previously-approved baseline, the amount of ERCs must be discounted.

A recent example for a 2018 Project is described below:

Since annual potential NO_x emissions from the Project are 103.7 tons per year, the Applicant was required to obtain 130.7 tons per year of offsets ($103.7 \times 1.26 = 130.7$).

The Applicant satisfied NO_x offset requirements by obtaining ERCs created by the 2011 permanent shutdown of Westover Generating Station in Johnson City, Broome County New York.

Because the NYSDEC promulgated more stringent NO_x RACT rules after the 2011 shutdown, the ERCs were determined to be subject to a discount factor of 0.414. Therefore, the Applicant must obtain 315.7 tpy ($130.7 \div 0.414$) of Westover Generating Station ERCs for the Project.

Likewise, for ERCs used for RACT compliance under a MassDEP-approved Emission Control Plan, for any ERCs generated from emissions reductions at a facility that, if it were operating today, would be subject to more stringent emission limits, MassDEP must devalue the ERCs pursuant to 310 CMR 7.19(2)(g):

....for any ERCs generated from emissions reductions at a facility that, if it were operating after March 9, 2018, would be subject to 310 CMR 7.19(4)(b), 7.19(7)(b), and 7.19(8)(d), and such ERCs were certified prior to March 9, 2018 in accordance with Appendix B(3), the Department shall devalue the ERCs based on the ratio of the new applicable NO_x RACT emission standard to the lower of the actual emissions or the allowable NO_x RACT emission standard that was used to generate the ERCs.

ERCs shown in the Registry reflect their value upon creation and do not reflect any devaluing. A greater quantity of ERCs from the Registry (tons per year ERCs in the Rate ERC Bank, or tons ERCs in the Mass ERC Bank) may be needed to satisfy a particular compliance requirement than the net quantity indicated for the compliance obligation (e.g., preconstruction offsets or periodic compliance settlement under RACT).

The calculation of net offset tons per year or RACT compliance settlement tons, as well as the discounting determination of quantity of ERCs from the Registry required for a particular offset or compliance requirement is based solely on MassDEP’s offset approval or compliance action (e.g., acceptance of facility RACT compliance report), and not the purpose of this Registry.

Information in this Registry is grouped in the following five categories:

- Emission Reduction Credit Transfer/Use (Transfer and/or Use of ERCs)
- Approved Emission Reduction Credits (Generation of ERCs)
- Emission Reduction Credits in Public Comment (310 CMR 7.00 Appendix B (3) includes the requirement for public hearing)
- Emission Reduction Credits Under Review (Application submitted no action yet taken by MassDEP)
- Approved Early Reduction Allowances (ERCs converted to ERAs)

Key of Table Headings

Name	Name of User or Generator of ERC. Contact names are sometimes listed in this column when available. It is not the responsibility of MassDEP to keep contact names current.																				
Transmittal Number	An identifying number assigned to MassDEP permit applications. This number links the ERC Registry entry to a specific ERC certification or approval. Note: Transmittal Numbers are not applicable to Uses of ERC. There are also generation Entries without Transmittal Numbers listed since some ERC applications predated the adoption of the fee regulations which established Transmittal Numbers.																				
Region	<p>An abbreviation indicating the geographic region in which the generation or use of ERC has taken place. Those abbreviations are:</p> <table border="0"> <tr><td>NE</td><td>Northeast Region</td></tr> <tr><td>SE</td><td>Southeast Region</td></tr> <tr><td>CE</td><td>Central Region</td></tr> <tr><td>WE</td><td>Western Region</td></tr> <tr><td>ST</td><td>Statewide</td></tr> <tr><td>IN</td><td>Interstate</td></tr> </table>	NE	Northeast Region	SE	Southeast Region	CE	Central Region	WE	Western Region	ST	Statewide	IN	Interstate								
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Type	<p>Under the category of use, abbreviations refer to the ultimate use of the ERC. Use types include:</p> <table border="0"> <tr><td>OFF</td><td>Emission Offset under New Source Review Rules</td></tr> <tr><td>SEP</td><td>Supplemental Environmental Project</td></tr> <tr><td>RACT</td><td>Reasonably Available Control Technology Requirements</td></tr> <tr><td>753</td><td>To satisfy Emergency Regulation 310 CMR 7.53</td></tr> <tr><td>CON</td><td>Consent order or Decree</td></tr> <tr><td>Conform</td><td>Conformity Demonstration</td></tr> </table> <p>Under the category of generation, abbreviations refer to the generation strategy used to create the ERC. Generation types include:</p> <table border="0"> <tr><td>Shut</td><td>Shutdown</td></tr> <tr><td>Curt.</td><td>Curtailement</td></tr> <tr><td>Over</td><td>Overcontrol</td></tr> <tr><td>Early</td><td>Early implementation of a future reduction requirement</td></tr> </table>	OFF	Emission Offset under New Source Review Rules	SEP	Supplemental Environmental Project	RACT	Reasonably Available Control Technology Requirements	753	To satisfy Emergency Regulation 310 CMR 7.53	CON	Consent order or Decree	Conform	Conformity Demonstration	Shut	Shutdown	Curt.	Curtailement	Over	Overcontrol	Early	Early implementation of a future reduction requirement
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Pollutant	Abbreviation that refers to the pollutant type						
	<table> <tr> <td data-bbox="756 126 934 157">VOC</td> <td data-bbox="945 126 1260 157">Volatile Organic Compounds</td> </tr> <tr> <td data-bbox="756 157 934 188">NOx</td> <td data-bbox="945 157 1260 188">Oxides of Nitrogen</td> </tr> <tr> <td data-bbox="756 188 934 219">CO</td> <td data-bbox="945 188 1260 219">Carbon Monoxide</td> </tr> </table>	VOC	Volatile Organic Compounds	NOx	Oxides of Nitrogen	CO	Carbon Monoxide
VOC	Volatile Organic Compounds						
NOx	Oxides of Nitrogen						
CO	Carbon Monoxide						
Quantity	<p>Quantity of ERC generated or used –</p> <p>rate-based credits are expressed in tons per year (TPY)</p> <p>mass-based or discrete credits are expressed in tons</p>						
Comments	The comment field may include dates of hearings, dates of approvals, links between ERC generators and ERC users, or other relevant information.						

Emission Reduction Credit Transfer/Use

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
Advanced Power Services (NA), Inc. 31 Milk Street Suite 1001 Boston, MA 02109 Att: Zachary Gordon (857) 294-5093	NA	NA	NA	NOx	96 TPY		96 TPY	0	<ul style="list-style-type: none"> Purchased from The Newark Group by letter dated August 3, 2016 TR #X225078 (Haverhill Paperboard) Transferred to Element Markets by letter dated August 16, 2016
American National Power - Calpine Westbrook Maine	NA	IN	OFF	NOx	181 TPY	175.5*	5.5 TPY	0*	Interstate trade <ul style="list-style-type: none"> Purchased 181 TPY from Ogden TR#W002881 - see Ogden letter dated October 5, 1999. Transferred 5.5 TPY to Saint-Gobain Ceramics and Plastics, Inc.- see 7/17/2001 letter
American National Power - Bellingham		CE	OFF	NOx	190.3 TPY	190.3		0	Draft Permit issued 5/99 <ul style="list-style-type: none"> Received 140.3 TPY from ANP – original source Nantucket Electric TR#137641. Purchased 10 TPY from Simkins (Lee TR#86934). Purchased 40 TPY from American Fiber and Finishing TR#P29679, Application# 1-X-98-033. See letter dated 4/15/99.
American National Power - Blackstone	118969	CE	OFF	NOx	190.3 TPY	190.3		0	4/21/99 ANP Letter <ul style="list-style-type: none"> Received 145.3 TPY from ANP – original source Nantucket Electric TR#137641. Purchased 45 TPY from Simkins (43 TPY from Russell TR#86936 and 2 TPY from Lee TR#86934).

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
Anew Climate, LLC (formerly Element Markets, LLC) Contact: Randall Lack 3200 SW Fwy, Suite 1310 Houston, Texas 77027 (281) 207-7213				NOx	96 TPY		62 TPY	0 TPY	<ul style="list-style-type: none"> • Purchased 96 TPY from Advanced Power Services by letter dated August 16, 2016. TR #X225078 (Haverhill Paperboard) approved April 7, 2010 • Transferred 52 TPY to Exelon West Medway II, LLC by letter dated August 4, 2016. • Transferred 10 TPY to GE Aviation, letter dated September 30, 2016. • Converted 34 TPY to 142 tons (ozone-season) and 198 (non-ozone season) letter dated November 26, 2019 • 7 tons NOx (ozone) sold to St Gobain Abrasives per letter dated February 20, 2020 • Transferred 6 tons NOx (ozone) and 4 tons NOx (non-ozone) to Vicinity Energy per letter dated March 1, 2021 • Transferred 10 tons NOx (ozone) and 40 tons NOx (non-ozone) to Vicinity Energy per letter dated December 6, 2022 • Transferred 1 ton NOx (non-ozone) to MassPort per letter dated February 3, 2023 • Transferred 20 tons NOx (non-ozone) to Green Harbor Energy per letter dated June 29, 2023
					142 tons (ozone season)		23 tons (ozone season)	119 tons (ozone season)	
					198 tons (non-ozone season)96 TPY		65 tons (non-ozone season)	133 tons (non-ozone season)	

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
ANP – American National Power	NA	IN	OFF	NOx	330 TPY		140 TPY 145.3 TPY	0 [44.4 TPY expired March 20, 2008]	NSR <ul style="list-style-type: none"> Purchased 330 TPY from Source Nantucket Electric TR#137641, March 20, 1998. Transferred 140 to ANP Bellingham Transferred 145.3 to ANP Blackstone
Applied Graphics Amesbury, MA Don Greenley (978) 388 – 5300	NA	NE	RACT	VOC	4.3 tons 8 tons ozone				<ul style="list-style-type: none"> Purchase required as per NON 96-7076. Future purchases may be required as per Application No. MBR-95-IND-077 Purchased 4 tons ozone VOC and 6 tons non-ozone VOC credits from BASF TR#90325 on 9/3/96. Purchased additional 4 tons VOC ozone and 6 tons VOC non-ozone from BASF TR#90325 on 8/7/97.
				VOC	12 tons non-ozone				
Berkshire Power Agawam, MA Application # 1-X-95-093	118033	WE	OFF	NOx	145 TPY	137 TPY		0 [8 TPY Expired March 20, 2008]	Conditional Approval 9/22/97 <ul style="list-style-type: none"> Purchased 145 TPY from Nantucket Electric TR# 137641 for \$725,000. See 5/13/98 letter and Bill of Sale from Nantucket Electric.
Borden & Remington Corp. 106 Ferry Street Fall River, MA	NA	SE	Mass-Based	VOC	1 TPY	1 TPY converted		0 TPY	<ul style="list-style-type: none"> Purchased 1 TPY VOC from Interstate Brands Corporation TR# W008431. CONVERTED 1 TPY to 10 tons total VOC (4 tons ozone VOC and 6 tons non-ozone VOC) - see Borden 7/6/00 letter to MassDEP
				VOC	4 tons ozone			4 tons ozone	
				VOC	6 tons non-ozone			6 tons non-ozone	
Braintree Electric		NE		NOx	96 tons ozone			96 tons ozone	<ul style="list-style-type: none"> Purchased 96 tons NOx ozone and 120 tons NOx non-ozone from Mirant/Canal – see Mirant letter dated 9/15/03 (deducted from TR#W003340.)
				NOx	120 tons non-ozone			120 tons non-ozone	
Braintree Electric		NE	RACT	NOx	39 tons non-ozone			39 tons non-ozone	<ul style="list-style-type: none"> Purchased 39 tons NOx non-ozone from MMWEC TR#P233929 - see letter dated 1/16/03

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
Braintree Electric Co. 150 Potter Drive Braintree, MA Don Heatherington (781) 848-1130	NA	NE	RACT	NOx	3 tons ozone			3 tons ozone	<ul style="list-style-type: none"> Purchased 3 tons NOx ozone from NU Holyoke Water Power (originally purchased from Sithe/BECO TR#93903 in 7/27/00 letter). See August 2, 2000 letter and July 27, 2000 letters.
Braintree Electric Co. 150 Potter Drive Braintree, MA Don Heatherington (781) 848-1130	NA	NE	RACT	NOx	48 tons ozone			48 tons ozone	<ul style="list-style-type: none"> Purchased 48 tons NOx ozone and 72 tons NOx non-ozone from NU Mt. Tom on 12/22/98 (See NU letter dated 2/5/99). (deducted from TR#W000779).
				NOx	72 tons non-ozone			72 tons non-ozone	
Braintree Electric Light Potter II Generating Station Contact: Mr. John-Erik Nelson Chief Mechanical Engineer Town of Braintree Electric Light Department 150 Potter Road Braintree, MA (781) 348 - 1164		SE	OFF	NOx	74 tpy	74 TPY		0	<ul style="list-style-type: none"> Purchased 74 TPY of NOx from MIECO, see letter from Richard E. Lowell dated February 20, 2008. Credits were generated at the MATEP facility TR#W006034.
Cabot Power Everett, MA Application # MBR-97-COM-014	110696	NE	OFF	NOx	105 TPY*	0	105 TPY	0	<p>Cabot Power was never built</p> <ul style="list-style-type: none"> Purchased 96 TPY total NOx from NEP (88TPY from Gloucester TR#W005967 and 8TPY from Newburyport TR#W005968 – see November 9, 1999 letter from Cabot Power). Purchased 9 TPY NOx from MIECO, Inc.- See MATEP TR#W006034. Cabot Power in now Suez Energy NA see entry for Suez Energy NA
Cape Wind Associates 20 Park Plaza, Suite 320 Boston MA, 02116 Att: Cheryl Donegan	NA	SE		NOx	119 tons (ozone)			119 tons (ozone)	<ul style="list-style-type: none"> 119 tons (ozone), 166 tons (non-ozone) Purchased from Element Markets per letter dated May 31, 2012
					166 tons (non-ozone)			166 tons (non-ozone)	

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
Clean Air Action				NOx	300 tons ozone	120 tons ozone	180 tons ozone	0 tons ozone	<ul style="list-style-type: none"> Purchased 1200 tons NOx (300 tons ozone and 900 tons non-ozone) from NU/Mt. Tom TR#87365 Sold 1080 tons NOx (120 tons ozone and 900 tons non-ozone) to Ford (Mobile Source Low RVP Gas) see Ford letter dated 9/17/98 Retired the remaining 120 tons ozone for the environment.
				NOx	900 tons on-ozone		900 tons non-ozone	0 tons non-ozone	
Constellation Co. Nickel Hill LLC (Dracut) 111 Market Place, Suite 200, Baltimore, MD 21202 Thomas Favinger		NE		NOx	158 TPY expired September 30, 2009	0		0	<ul style="list-style-type: none"> Nickel Hill Dracut was never built. Purchased 158 TPY NOx and 2 TPY VOC from Ogden Martin TR#W002881 - see letter from Ogden dated 1/6/00.
				VOC	2 TPY expired September 30, 2009	0		0	
Dighton Power Dighton, MA Application # 4B96096	110248	SE	OFF	NOx	100 TPY	96 TPY		0 [4 TPY expired March 20, 2008]	<ul style="list-style-type: none"> Conditional Approval 10/6/97 Purchased 100 TPY NOx from Nantucket Electric TR#137641 - See Purchase and Sales Agreement dated 6/20/97 (Appendix A of Conditional Approval).
Distrigas of Massachusetts, LLC Everett, MA		NE	OFF	NOx	48 TPY	48 TPY		0	<ul style="list-style-type: none"> From MIECO, Inc - See MATEP TR#W006034. Used for Offsets Everett Distrigas (Phone conversation with Doug Jones and Frank Diliberto 3/17/08)
Somerset / Eastern Utilities / Montaup / NRG	4B94079	SE	RACT	NOx	65 tons ozone	65 tons ozone		0 tons ozone	<ul style="list-style-type: none"> Purchased 65 tons NOx ozone from NEP Brayton T#83238 (See 12/20/95 notice). NOTE: 65 tons NOx ozone were required and USED - with an option to purchase 65 more within 5 yrs. The balance of the first 65 tons was retired in 1999. The option for the second 65 tons was never exercised. Enforceability defined in ECP 4B94079 MA NOx RACT ECP (4/26/95).

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
Element Markets, LLC Contact: Randall Lack 3555 Timmons Lane, Suite 900 Houston, Texas 77027 (281) 207-7200				NOx	39 TPY			0 TPY	<ul style="list-style-type: none"> • Purchased 39 TPY NOx from International Paper [TR# W018636 Final Approval June 20, 2001; ERCs for MA use only]; Purchase and Sale Agreement dated March 8, 2010. • Converted to ERCs in Mass ERC bank, letter dated June 10, 2011 • 119 tons NOx (ozone), 166 tons NOx (non-ozone) Sold to Cape Wind Associates per letter dated May 31, 2012 • 3 tons NOx (ozone), 3 tons NOx (non-ozone) sold to Peabody Municipal Light Plant (PMLP) per letter dated January 25, 2013 • 3 tons NOx (ozone), 3 tons NOx (non-ozone) sold to PMLP per letter dated January 20, 2015 • 8 TPY CO purchased from US Gypsum per letter dated January 27, 2015, sold to PMLP per letter dated January 28, 2015 • 15 tons NOx (ozone), 5 tons NOx (non-ozone) sold to PMLP per letter dated December 22, 2015 • 2 tons NOx (ozone) sold to St Gobain Abrasives per letter dated August 30, 2018 • 3 tons NOx (ozone) and 3 tons NOx (non-ozone) sold to Ipswich Municipal Electric Power Plant per letter dated September 28, 2018 • 18 tons NOx (ozone) and 35 tons NOx (non-ozone) sold to St Gobain Abrasives per letter dated February 20, 2020
					163 tons (ozone)		163 tons (ozone)	0 tons (ozone)	
					227 tons (non-ozone)		215 tons (non-ozone)	12 tons (non-ozone)	
				CO	8 TPY		8 TPY	0	
Emission Advisors 945 McKinney St Suite 561 Houston TX 77002 Mike Taylor (713) 385-3321				NOx	15 tons ozone 5 tons non-ozone		15 tons ozone 5 tons non-ozone	0	<ul style="list-style-type: none"> • 15 tons ozone, 5 tons non-ozone purchased from The Newark Group per P&SA executed January 6, 2017 - TR #W035224 (Newark Atlantic Paperboard) • 15 tons ozone, 5 tons non-ozone sold to Peabody Municipal Light Plant per letter dated January 9, 2017

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
ESI Energy, LLC		CE	OFF	NOx	120 TPY converted to 500 tons (ozone season (OS)) and 700 tons (non-OS)			500 tons (OS) 700 tons (non-OS)	<ul style="list-style-type: none"> Notification of ownership change from IDC Bellingham, LLC received January 6, 2010 Request to convert to ERCs in the Mass ERC Bank received January 6, 2010
Exelon West Medway II, LLC 100 Constellation Way Suite 500C Balto MD 21202 Att: Peter J. Thompson (410) 470 3126	NA	CE		NOx	31.2 TPY	31.2 TPY		0	<ul style="list-style-type: none"> Purchased 31.2 TPY NOx from OSRAM Sylvania Inc. No expiration. Credits originally generated by OSRAM's Central Falls, RI facility – see 8/4/2015 letter from OS's Kelley Reynolds and 8/19/2015 letter from RIDEM's D. McVay. ERCs used upon February 2019 startup of new EUs J4 & J5, West Medway Generating Station, pursuant to Approval Tr no. X265409 dated December 19, 2016
					52 TPY	52 TPY		0	<ul style="list-style-type: none"> Purchased 52 TPY from Element Markets by letter dated August 4, 2016 TR #X225078 (Haverhill Paperboard) ERCs used as noted above

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
Ford Motor Company Dearborn, Michigan	NA		Con	NOx	180 tons ozone	180 tons ozone		0 tons ozone	Required under Federal (DOJ) Consent Decree. <ul style="list-style-type: none"> Purchased from Clean Air Action – original source was NU/Mt Tom TR#87365
				NOx	300 tons non-ozone	300 tons non-ozone		0 tons non-ozone	
Footprint Power Salem Harbor Operations LLC (FPSHO) 1140 Route 22 East Suite 303 Bridgewater, NJ 08807 Contact: Paul Ehrenzeller, (908) 864-4904	NA	NE		NOx	22 TPY		22 TPY	0 TPY	<ul style="list-style-type: none"> Purchased from The Newark Group P&SA dated February 4, 2013 Transferred to FPSHD e-mail dated December 18, 2014 TR# X225078 Haverhill Paperboard Final Approval dated April 7, 2010 Expiration April 7, 2020 Purchased from The Newark Group P&SA dated February 4, 2013 To FPSHD: e-mail dated December 18, 2014 TR# W074109 Natick Paperboard Final Approval dated April 7, 2010 Expiration April 7, 2020 Purchased 135 TPY NOx from OSRAM Sylvania Inc. credits originally generated by OSRAM's Central Falls, RI facility – see P&SA executed April 4, 2013 To FPSHD: e-mail dated December 18, 2014 No expiration Purchased 8 TPY NOx from KIK Custom Products, Inc. – credits generated by Cumberland RI facility – see P&SA executed August 13, 2013 To FPSHD: e-mail dated December 18, 2014 – no expiration
					37 TPY		37 TPY	0 TPY	
					135 TPY		135 TPY	0 TPY	
					8 TPY		8 TPY	0 TPY	

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
Footprint Power Salem Harbor Development LP (FPSHD) 1140 Route 22 East Suite 303 Bridgewater, NJ 08807 Contact: Paul Ehrenzeller, (908) 864-4904	NA	NE	OFF	NOx	22 TPY	22 TPY		0	<ul style="list-style-type: none"> Transferred from FPSHO: e-mail dated December 18, 2014 TR# X225078 Haverhill Paperboard Final Approval dated April 7, 2010 Expiration April 7, 2020 used on startup February 10, 2018
					37 TPY	37 TPY		0	<ul style="list-style-type: none"> From FPSHO: e-mail dated December 18, 2014 TR# W074109 Natick Paperboard Final Approval dated April 7, 2010 Expiration April 7, 2020 used on startup February 10, 2018
					135 TPY	116 TPY		19 TPY	<ul style="list-style-type: none"> From FPSHO: e-mail dated December 18, 2014 credits originally generated by OSRAM's Central Falls, RI facility No expiration used on startup February 10, 2018
					8 TPY	8 TPY		0	<ul style="list-style-type: none"> From FPSHO: e-mail dated December 18, 2014 credits generated by from KIK Custom Products, Inc. Cumberland RI facility – no expiration used on startup February 10, 2018
General Electric Contact: Ms. Michelle Ramsey GE Aviation 1 Neumann Way MD T165 Cincinnati, Ohio 45215 (513) 552-2808		NE	OFF	NOx	197 TPY	197 Y		0	<ul style="list-style-type: none"> GE Aviation purchased 197 TPY of NOx from MIECO, see letter from Richard E. Lowell dated May 2, 2008. Credits were generated at the MATEP facility TR#W006034.
General Electric Aviation 1000 Western Ave Lynn, MA 01905 Contact: Jolanta Wojas (781) 594-4704		NE		NOx	51 TPY			41 TPY	<ul style="list-style-type: none"> GE Aviation purchased 10 TPY of NOx from Element Markets, see letter dated September 30, 2016. Generated at Haverhill Paperboard TR #X225078, expiration April 7, 2020
					42 tons (ozone season)	1 ton (ozone season)		41 tons (ozone season)	

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
					58 tons (non-ozone season)	4 tons (non-ozone season)		54 tons (non-ozone season)	<ul style="list-style-type: none"> GE Aviation purchased 41 TPY NOx from KraftHeinz, P&SA dated November 10, 2016. Generated under TR # X264868, expiration November 9, 2026 Converted 10 TPY (TR #X225078) to 42 tons (ozone season) and 58 tons (non ozone-season) by email dated March 24, 2020 Retired 1 ton (ozone season) and 4 tons (non ozone season) for 2020 NOx RACT offsets by email dated March. 19, 2021
Green Harbor Energy 2300 Holcomb Bridge Rd. Suite 103 #319 Roswell, Georgia 30076 Contact: Thomas Flynn Paul MacGregor				NOx	20 tons non-ozone		20 tons (non-ozone)	0	<ul style="list-style-type: none"> Purchased 20 tons NOx (non-ozone) from Anew (formerly Element Markets, TR X225078), see Anew letter dated 6/29/2023. Transferred 20 tons NOx (non-ozone) to UMASS Chan Medical School per letter dated August 9, 2023
Haverhill Paperboard, Natick Paperboard, Newark Atlantic Lawrence (The Newark Group)	NA	NE	RACT	NOx	596 tons ozone	365.4 tons ozone		230.6 tons ozone	Multifacility Bubble <ul style="list-style-type: none"> Purchased 596 tons NOx ozone from PG&E TR#101953 (App No. 4B96088) Purchased 624 tons NOx non-ozone from PG&E TR#83238 (App. No. B94006) See NEP/PG&E letter dated 4/15/99.
				NOx	624 tons non-ozone	624 tons non-ozone		-0-	
Holyoke Water Power Co.				NOx	15 tons ozone		3 tons ozone	12 tons ozone	<ul style="list-style-type: none"> Purchased 15 tons NOx ozone from Sithe TR#93903 - see Sithe letter dated 7/27/00. Transferred 3 tons NOx ozone to Braintree- see NU letter dated 8/2/00. Mirant letters 11/15/2001 and 5/31/01.

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
IDC Bellingham LLC		CE	OFF	NOx	120 TPY		120 TPY	0	NSR Permit Under Review IDC letter dated 9/6/00 had an option to purchase 202 TPY from MIECO, Inc <ul style="list-style-type: none"> Purchased 120 TPY NOx from MIECO – see letter 2/12/01– but let option on the remaining 82 TPY expire. Notification of ownership change to ESI Energy, LLC received January 6, 2010
International Paper Company (Woronoco Paper) Millers Falls, MA	NA	WE	RACT	NOx	unknown				Source Mt Tom
Ipswich Municipal Light Department	NA	NE		NOx	4 tons ozone 3 tons non-ozone				<ul style="list-style-type: none"> 1 ton ozone Purchased from The Newark Group, see Purchase Order dated August 10, 2012 3 tons NOx (ozone) and 3 tons NOx (non-ozone) purchased from Element Markets, LLC per letter dated September 28, 2018
Life Foam Industries LLC	NA			VOC	6 tons non-ozone	6 tons non-ozone			<ul style="list-style-type: none"> Purchased from Fall River Properties - See letter dated November 20, 2007

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
Lloyd Manufacturing, Corp. 130 Franklin Street Warren, RI Mark D'Agostino (401) 245-6600 X232	NA	IN	Con	NOx	198 tons ozone	198 tons ozone		0 tons ozone	<ul style="list-style-type: none"> Acquired 198 tons NOx ozone and 49 tons NOx non-ozone from Sithe TR#93903, MBR-94-ERC-007 - see January 31, 2000 letter from Sithe to DEP. Retired all 198 tons NOx ozone and 49 tons NOx non-ozone from Sithe to comply with USEPA Consent Decree. (Civil Action No. CA-00-363-ML)
				NOx	49 tons non-ozone	49 tons non-ozone			
Malden Mills Lawrence, MA Mr. John Main (978) 685 - 6341	NA	NE	RACT	NOx	28 tons non-ozone				<ul style="list-style-type: none"> Purchased from NEP/PG&E Brayton TR#83238 - see Purchase and Sales Agreement dated 1/2/97.
Mass. Port Authority One Harborside Dr. Suite 200S Boston, MA02128 Anna M. Tenaglia		NE	RACT	NOx	1 ton non-ozone			1 ton non-ozone	<ul style="list-style-type: none"> Purchased 1 ton NOx (non-ozone) from Anew Climate (formerly Element Markets) per letter dated February 3, 2023 TR #X225078
MATEP 474 Brookline Avenue Boston, MA Sean Caldwell (617) 598-2711	NA	NE	RACT	NOx					Using ERC generated in-house as needed from MATEP's NOx RACT Approval MBR-94-COM-017 Ownership changed from MATEP Inc. to MATEP LP, effective June 1, 2010

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
MIECO Contact: Richard E. Lowell General Counsel Mieco Inc. 301 East Ocean Blvd Suite 1100 Long Beach, CA 90802 (562) 435 - 0085				NOx	692 TPY		579 TPY	0 [113 TPY expired January 6, 2010]	<ul style="list-style-type: none"> • Purchased 692 TPY NOx from MATEP TR#W006034. • Transferred 9 TPY NOx (from MATEP) to Cabot Power – not built - see 12/6/00 letter • Transferred 48 TPY NOx (from MATEP) to Distrigas – see 12/6/00 letter. • Transferred 120 TPY NOx to IDC Bellingham (option for additional 82 expired) – see 2/12/01 letter. • Transferred 52 TPY NOx (from MATEP) to Ridgewood Power/Rhode Island – see MIECO letter 4/8/05. • Transferred 74 TPY NOx to Town of Braintree Electric Light Department – See MIECO letter from Richard E. Lowell dated February 20, 2008 • Transferred 197 TPY of NOx to GE Aviation purchased from MIECO, see letter from Richard E. Lowell dated May 2, 2008. Credits were generated at the MATEP facility. • Transferred 79 TPY of NOx to Rhode Island LFG Genco, see letter from Richard Lowell dated June 10, 2009.
Millenium Power Charlton	130921	CE	OFF	NOx	220 TPY	214 TPY		0 [6 TPY expired March 20, 2008]	<p>Conditional Approval 2/2/98</p> <ul style="list-style-type: none"> • Purchased 220 TPY NOx from Nantucket Electric TR#137641 - See Purchase and Sales Agreement Appendix A of Conditional Approval.
Nantucket Electric Co. (National Grid) Bunker Road Nantucket, MA	NA	SE	ALT RACT	NOx	256.6 tons ozone	250.6 tons ozone		6 tons ozone	<ul style="list-style-type: none"> • Purchased 256.6 tons NOx ozone and 228.7 tons NOx non-ozone from NEP/PG&E Brayton TR#83238. • Voluntary retirement (of 250.6 tons ozone

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
David Fredericks (508) 325-8213				NOx	228.7 tons non-ozone	225.5 tons non-ozone		3.2 tons non-ozone	and 225.5 tons non-ozone) for delta between Alternative RACT and Presumptive RACT rates, as per 4/30/96 letter from Nantucket Electric. <ul style="list-style-type: none"> Remaining 9.2 total tons (6 tons ozone and 3.2 tons non-ozone) held in escrow for set aside. Additional use in 1996
NEPOOL Companies 310 CMR 7.53 Emergency Regulation Settlement	NA	Statewide	753	NOx	2878.7 tons ozone				See letter from Natsource dated 4/28/98. 2571 tons generated in MA, 182 tons generated in Maine and 126 tons generated in New Hampshire. Total = 2879 tons. 245.5 tons from BECO/Sithe TR#115955 154 tons from ComElec/Canal TR#W00759 26 tons from ComElec/Canal TR#114714 1108 tons from NU/Mt. Tom TR#87365 79.5 tons (12.5+40+27=79.5 tons) from MMWEC TR#122574 764 tons from NEP/PG&E TR# 101944 194 tons from NEP PG&E TR#101945
Neptune LNG LLC Deepwater Port LNG Terminal Contact: Doug Jones (617) 381 - 8509	NA	Off Shore	Conformity	NOx	132 tons of ozone season NOx ERC	132 tons of ozone season NOx ERC		0	General conformity for 2008. See letter from Neptune dated April 24, 2008. Credits were originally acquired by Cabot Power from: 88 TPY from NE Power Gloucester Tran # W005967 8 TPY from NE Power Newburyport Tran # W005968 9 TPY from MATEP (MIECO) Tran # W006034 Cabot became Tractebel LNG North America, which became Suez Energy NA, Neptune LNG LLC is a subsidiary of Suez Energy NA.
Newly Weds Foods, Inc 70-80 Grove St Watertown, MA Felipe Sanchez (617) 926-7600 x7911		NE		VOC	2 TPY	7 tons ozone season 9 tons non-ozone season		0 TPY 1 ton ozone season 3 tons non-ozone season	See 2/6/2020 letter from The Newark Group (Greif) re TR#X225078 <ul style="list-style-type: none"> Converted 2 TPY to 20 tons (8 tons ozone-season, 12 tons non-ozone season) per Epsilon letter dated 2/10/20 Used 16 tons (7 tons ozone-season, 9 tons non-ozone season) per Epsilon letter dated 2/10/2020, temporary Plan Approval dated 1/7/20

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
Northeast Gateway Energy Bridge, LLC.		Off shore	Conformity	VOC	53 tons ozone				LNG Facility conformity <ul style="list-style-type: none"> Purchased 53 tons of ozone VOC from Fall River Properties Corp. TR#51006451 - see letter dated March 13, 2007.
NRG Canal 3 Development LLC 9 Freezer Road Sandwich, MA Shawn Konary (617) 529-3874		SE	OFF	NOx	316 TPY	316 TPY		0	<ul style="list-style-type: none"> Purchased from Greenidge Generation LLC, letter dated June 1, 2018 Originated from March 2011 shutdown of Westover Station, Johnson City, NY Transferred from NYSDEC ERC Registry June 25, 2018 ERCs used upon April 2019 startup of new EU10, Canal Station, pursuant to Approval Tr no. X269143 dated May 11, 2018
NU (Northeast Utilities) / Holyoke Water Power				NOx	15 tons ozone		3 tons ozone	12 tons ozone	<ul style="list-style-type: none"> Purchased 15 tons NOx ozone – see 7/27/00 letter from Sithe TR#93903. Sold 3 tons NOx ozone to Braintree Electric.
Peabody Municipal Light Plant 201 Warren St Ext Peabody, MA Dan Guitard (978) 573-1240		NE	RACT	NOx	38 tons (ozone) 16 tons (non-ozone)	29 tons (ozone) 9 tons (non-ozone)		9 tons (ozone) 7 tons (non-ozone)	<ul style="list-style-type: none"> Purchased 2 tons NOx (ozone) from Mirant/Canal TR#W003340 (Application No. 4B99003). Purchased 3 tons NOx (ozone), 3 tons NOx (non-ozone) from Element Markets

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
				CO	8 TPY Converted 1 TPY to 10 tons, 1/29/15; converted 7 TPY to 70 tons, 1/13/20	5 tons		0 TPY 75 tons	<ul style="list-style-type: none"> per letter dated January 23, 2013 Purchased 3 tons NOx (ozone), 3 tons NOx (non-ozone) from Element Markets per letter dated January 20, 2015 Purchased 8 TPY CO from Element Markets per letter dated January 28, 2015 Purchased 15 tons NOx (ozone), 5 tons NOx (non-ozone) from Element Markets per letter dated December 22, 2015 [Element Markets NOx from International Paper, TR# W018636] Purchased 15 tons ozone, 5 tons non-ozone from Emission Advisers per letter dated January 9, 2017 - TR #W035224 (Newark Atlantic Paperboard) Converted 1 TPY CO to 10 tons CO by letter dated January 29, 2015 Converted 7 TPY CO to 70 tons CO by letter dated January 13, 2020 Usage reported by letters on file at MassDEP
Pioneer Valley Energy Center LLC Contact: Matthew Palmer (617)904-3100x117		WE		NOx	9 TPY			9 TPY	<ul style="list-style-type: none"> Purchased 9 TPY NOx from OSRAM Sylvania Inc. -credits originally generated by OSRAM's Central Falls, RI facility – see 4/30/2010 letter from Kelley Reynolds
					134.3 TPY			0 TPY [134.3 TPY expired May 1, 2012]	<ul style="list-style-type: none"> Purchased 134.3 TPY NOx from NSTAR TR# W023888 (see Purchase Agreement dated January 14, 2010)
					108.0 TPY			108 TPY	<ul style="list-style-type: none"> Purchased 108 TPY NOx from Schweitzer Mauduit TR# X231390 (April 8, 2015)
					10 TPY			10 TPY	<ul style="list-style-type: none"> Purchased 10 TPY from US Gypsum TR X228497 (May 15, 2015)

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
Rhode Island LFG Genco, LLC 947 Linwood Ave Ridgewood, NJ Stephen Galowitz (201) 447-9000 for RI-PSD-8 offsets	NA	Inter state	OFF	NOx	38 TPY				<ul style="list-style-type: none"> Purchased 38 TPY NOx from Covanta Haverhill, successor to Ogden Martin Systems of Haverhill, Inc facility at 85 Manchester St, Lawrence, MA – see June 8, 2009 letter from Covanta
Rhode Island LFG Genco, LLC 947 Linwood Ave Ridgewood, NJ Stephen Galowitz (201) 447-9000 for RI-PSD-8 offsets	NA	Inter state	OFF	NOx	79 TPY				<ul style="list-style-type: none"> Purchased 79 TPY NOx from Mieco Inc., originally generated by MATEP TR#W006034 and acquired by Mieco – see June 10, 2009 letter from Mieco
Rhode Island Resource Recovery Association 65 Shun Pike Johnston, RI Claude Cote (401) 942-1430 X221	NA	NA	Con	NOx	175 tons ozone	175 tons ozone		0 tons ozone	<ul style="list-style-type: none"> Purchased from MATEP TR#W003742 – see July 6, 2001 letter Retired as per EPA Consent order.
Ridgewood Power @ Central Landfill Johnston, RI		Inter state	OFF	NOx	52 TPY				<ul style="list-style-type: none"> Purchased 52 TPY NOx from MIECO – credits originally from MATEP TR#W006034.
Saint-Gobain Abrasives One New Bond Street Worcester, MA Kevin Fogarty (508) 795-5624		CE	RACT	NOx	27 tons ozone 35 tons non-ozone			27 tons ozone 35 tons non-ozone	<ul style="list-style-type: none"> Purchased 2 tons NOx (ozone) (TR# W018636) from Element Markets per letter dated August 30, 2018 Purchased 18 tons NOx (ozone) and 35 tons NOx (non-ozone) from Element Markets per letter dated February 20, 2020 (TR# W018636) Purchased 7 tons NOx (ozone) from Element Markets per letter dated February 20, 2020 (TR #X225078)

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
Saint-Gobain Ceramics and Plastics, Inc. (formerly Norton Company/Saint-Gobain Industrial Ceramics, Inc.) One New Bond Street Worcester, MA Christopher Scholl (508) 795-2441	NA	CE		NOx	5.5 TPY	5.5 TPY		0 TPY	<ul style="list-style-type: none"> Purchased 5.5 TPY NOx from ANP – see ANP letter 6/27/01 - originally generated by Ogden Martin Systems Lawrence RDF Plant TR#W002881. “Retired” as per Consent Order (ACOP-CE-00-9008-7) - see letter dated 7/17/2001.
Sithe Mystic Development LLC Exelon - Fore River Station Braintree, MA	W004632	NE	OFF	VOC	219 TPY	126.3 TPY expired: 24.8 TPY [May 8, 2006], 11.28 TPY [December 10, 2006], 56.6 TPY [April 25, 2007]		0	<p>Conditional NSR Approval Issued January 25, 2000 - Fore River Station.</p> <ul style="list-style-type: none"> Purchased 151.1 TPY VOC from BASF TR#90325 dated May 8, 1996 (App. No. MBR-94-ERC-011) - see BASF letter 11/18/99, also Sithe letter 6/14/02. Purchased 56.6 TPY VOC from Lightolier TR#144704 dated April 25, 1997 – see Sithe Mystic development 12/29/99 letter. Purchased 11.28 TPY VOC from Avery Denison TR#91018 and TR#96403 dated December 10, 1996 - see Avery letter 2/17/00.
Sithe NE formerly BECO	NA	NE & SE	RACT	NOx					Multifacility Bubble MBR-95-COM-016 Note from 4/27/07 - BECO internal use of 149.16 lbs
South Fork Wind, LLC 399 Boylston St., 12 th Floor Boston, MA02116 Mr. Akintola (978) 447-2864		SE	OFF	NOx	25 TPY			25 TPY	<ul style="list-style-type: none"> Purchased from Anew Environmental LLC (formally Element Markets, LLC), letter dated June 12, 2023. Originated from October 2012 shutdown of Holcim (US) Inc, NY Transferred from NYSDEC ERC Registry June 29, 2023

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
Suez Energy NA	[W005967 W005969, W006034 original generation]			NOx	105 TPY: incl 96 TPY to [320 tons (134 OS + 186 NOS), 64 TPY exp. 20091007], 9 TPY exp. 20100106		132 tons OS	0 TPY 2 tons OS 186 tons NOS	Acquired from Cabot Power see letter dated April 24, 2008 from Neptune LNG LLC. <ul style="list-style-type: none"> 32 TPY were converted from rate based to 320 tons of mass-based ERC (134 tons of mass-based ozone season ERC and 186 tons of mass-based non-ozone season ERC) 132 tons mass-based ozone season ERC were used by Neptune LNG LLC for 2008 General Conformity (See Neptune Use entry).
Taunton Municipal Light Plant				NOx	5 tons ozone				<ul style="list-style-type: none"> Purchased 5 tons NOx ozone from Mirant/Canal TR#W003340 – see 9/10/03 letter
Tenneco	NA	CE	RACT	NOx	0.39 tons				Interstate trade (NJ) as part of NESCAUM/MARAMA demo project
Town of Ipswich Utilities Department		NE	Con	NOx	1 ton ozone	1 ton ozone		0 ton ozone	As per the conditions of Final Consent Order File No ACOP-NE-05-7014 Ipswich - <ul style="list-style-type: none"> Purchased 1 ton NOx from MATEP - see Ipswich letter dated April 24, 2006.

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
Twin Rivers Technologies 780 Washington Street Quincy, MA	107250	NE	RACT	NOx	2.58 tons non-ozone				Application MBR-95-ECP-005 <ul style="list-style-type: none"> Purchased 2.6 tons NOx non-ozone purchased from NEP/USGen/PG&E TR#83238 – see Twin Rivers letter dated 6/10/96 and NEP letter dated 5/28/96.
University of Massachusetts Chan Medical School contact: Joseph Collins Joseph.Collins@umassmed.edu		CE	RACT	NOx	20 tons non-ozone			20 tons non-ozone	<ul style="list-style-type: none"> Purchased 20 tons NOx (non-ozone) from Green Harbor Energy per letter dated August 9, 2023 (TR #X225078)
Vicinity Energy Boston, Inc. 265 First Street Cambridge, MA02142		NE		NOx	16 tons ozone	5 tons ozone		11 tons ozone	<ul style="list-style-type: none"> Purchased 6 tons NOx (ozone) and 4 tons NOx (non-ozone) from Element Markets per letter dated March 1, 2021 (TR

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
				NOx	44 tons non-ozone	19 tons non-ozone		25 tons non-ozone	#X225078) <ul style="list-style-type: none"> Retired 2 tons (ozone season) for 2020 NOx RACT compliance at Kendall Station by email dated June 4, 2021 Retired 1 ton (ozone) and 1 ton (non-ozone) for 2020 NOx RACT compliance at Kneeland Station per letter dated 12/29/2021 Retired 1 ton (ozone) and 1 ton (non-ozone) for 2021 NOx RACT compliance at Kneeland Station by email dated 1/31/2022 Retired 2 tons (non-ozone) for 2021 NOx RACT compliance at Kendall Station by email dated January 31, 2022 *Purchased 10 tons NOx (ozone) and 40 tons NOx (non-ozone) from Anew Climate(formerly Element Markets per letter dated December 6, 2022 (TR #X225078) Retired 14 tons (non-ozone) for 2022 NOx RACT compliance at Kneeland Station by email dated 1/30/2023 Retired 1 ton (ozone) and 1 ton (non-ozone) for 2022 NOx RACT compliance at Kendall Station by email dated January 30, 2023
Voluntary Caps 1998	NA	ST		NOx	1147 Tons ozone	1147 tons ozone		0 tons ozone	<ul style="list-style-type: none"> 318 tons NOx ozone ComElectric TR#114714 (App. No. 4B97024) - see ComElectric letter 12/11/98. 259 tons NOx ozone PG&E TR#101945 253 tons NOx ozone PG&E TR#101944 10 tons NOx ozone PG&E TR# 101953 296 tons NOx ozone PG&E TR#101943 11 tons NOx Ozone PG&E TR#83238 1045 tons NOx non-ozone PG&E TR#101944 (1874 tons Total from US Gen See 4/13/99 letter)
				NOx	1045 non-ozone	1045 tons non-ozone		0 tons non-ozone	

Transfer/Use Name	Transmittal Number	Region	Used For	Pollutant	Quantity Acquired	Quantity USED	Quantity Transferred	Quantity Remaining	Comments
Wheelabrator Technologies Inc. 100 Arboretum Drive, Suite 301 Portsmouth, NH 03801 Jeff Lord (603) 929-3375				NOx	334 tons ozone season			334 tons ozone season	<ul style="list-style-type: none"> 334 tons NOx (ozone-season) and 464.6 tons NOx (non-ozone-season) transmittal no. W035224 purchased from The Newark Group (TNG) – see TNG letter dated December 9, 2019
				NOx	464.6 tons non-ozone season			464.6 tons non-ozone season	

Approved Emission Reduction Credit GENERATION

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
American Fiber and Finishing, Inc. Route 112 Colrain, MA 1-X-98-033	P29679	WE	Shut	NOx	40 TPY		40 TPY	0 TPY	Final Approval March 29, 1999 Hearing March 11, 1999 Proposed Approval January 27, 1999 Limited to use in Massachusetts CO TPY denied since <5TPY. • Transferred 40 TPY to American National Power, see letter dated April 15, 1999
Ardagh Group 10194 Crosspoint Blvd Suite 410 Indianapolis, IN contact: Richard Tomicek (412) 335-7436	ePlace Auth No. AQ18-0000001 Approval no. BO-18-001	CE	Shut	NOx	94 TPY			94 TPY	Final Approval October 1, 2019 Hearing September 27, 2019 Proposed Approval August 28, 2019
				CO	5 TPY			5 TPY	

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
Avery Dennison Mr. John Arnold Kammann 1 and 2 MBR-94-ERC-006 and MBR-95-ERC-001	91018 and 96403	NE	Shut	VOC	11.28 TPY		11.28 TPY	0 TPY	Final Approval December 10, 1996 Hearing December 3, 1996 Proposed Approval October 3, 1996 Issued single ERC approval for both applications. <ul style="list-style-type: none"> Transferred 11.28 TPY to Sithe Edgar Development LLC (See February 17, 2000 letter)
BASF 62 Crosby Drive Bedford, MA Jodi Roque (973) 426 2662 MBR-94-ERC-011	90325	NE	Shut	VOC	154.1TPY	2 TPY CONVERTED	151.1 TPY	0 [1 TPY expired May 8, 2006]	Final Approval May 8, 1996 Hearing April 30, 1996 Conditional Approval March 12, 1996 VOC Rate <ul style="list-style-type: none"> Converted 2 TPY to 29 tons of discrete credits September 3, 1996. Sold 151.1 TPY to Sithe Energy for Mystic Offsets (see BASF letter dated November, 18, 1999) See Sithe Use entry TR#W004632 VOC Mass <ul style="list-style-type: none"> Sold 4 tons ozone season and 6 tons non-ozone season tons to Applied Graphics on September 3, 1996. Sold 4 tons ozone and 6 tons non-ozone again to Applied Graphics on August 7, 1997.
				VOC	29 tons		4 tons ozone 4 tons ozone	9 tons	
				VOC	[from TPY conversion]		6 tons non- ozone 6 tons non- ozone		
BW Sale Corporation (Formerly Boston Whaler, Inc.) 1149 Hingham Street Rockland, MA 4P94163	W020614	SE	Shut	VOC	30.7 TPY			0 [30.7 TPY expired November 6, 2011]	Final Approval November 6, 2001 Public Hearing October 31, 2001 Proposed Approval September 26, 2001 TPY expire after 10 years [2011] RUL for discrete also 10 years
				VOC	18.05 tons			18.05 tons	
Canal Electric Company (aka ComElectric and Mirant)	W000759	SE	Over	NOx	315.7 tons ozone		154 tons Ozone	161.7 tons ozone	Final Approval April 14, 1998 Hearing April 13, 1998 Proposed Approval March 11, 1998

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
Sandwich, Ma Units 1 and 2 4B97088				NOx	239.2 tons non-ozone			239.2 tons non-ozone	<ul style="list-style-type: none"> Transferred 154 tons ozone to NEPOOL 7.53
Canal Electric Company (also ComElectric and Mirant) 4B97024 Units 1&2	114714	SE	Over	NOx	401.9 tons ozone	318 tons ozone	26 tons Ozone	57.9 tons ozone	Final Approval October 27, 1997 Hearing October 17, 1997 Proposed September 15, 1997
				NOx	505 tons non-ozone			505 tons non-ozone	<ul style="list-style-type: none"> Transferred 26 tons ozone to NEPOOL 7.53 Surrendered 318 tons NOx ozone to Voluntary Cap (see ComElectric letter dated 12/11/98)
Commonwealth Electric Cannon Street Station 180 MacArthur Drive New Bedford Units 1, 2, 3 4B94123	W023888	SE	Shut	NOx	134.3 TPY		134.3 TPY	0	Final Approval May 1, 2002 Hearing April 30, 2002 Proposed Approval March 19, 2002 ERCs expire after 10 years [2012] Sandra J. Little Environmental Affairs Department NSTAR Electric and Gas, One NSTAR Way, SW300, Westwood, MA 02090 <ul style="list-style-type: none"> Transferred all to Pioneer Valley Energy Center, LLC (see Purchase Agreement dated January 14, 2010)
Constellation Mystic Power, LLC 173 Alford Street Everett boiler EU4 & combustion turbine EU10 contact: Archie Gleason 617 381-2123 Edward.gleason@constellation.com	ePlace Auth No. AQ18-0000003 Approval no. BO-21-002	NE	Shut	NOx	144 TPY			144 TPY	Final Approval July 27, 2022 Proposed Approval June 9, 2022
DCPO Northampton	88325	WE	Shut	NOx	9 TPY			0	Approval January 9, 1997

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
State Hospital Boilers 1 and 2 1-C-94-124								[9 TPY expired January 9, 2007]	Hearing August 8, 1996

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
Decorative Specialties Front Street West Springfield, MA 1-C-95-125	87398	WE	Shut	VOC	4 tons ozone			4 tons ozone	Approval January 9, 1997 August Hearing 8, 1996
				VOC	6 tons non-ozone			6 tons non-ozone	
Fall River Properties Corporation (formerly Globe Manufacturing Company) 456 Bedford Street Fall River, MA Lisa Lundy (508) 674-3585 X1317 Thread manufacturing 4P01026	51006451	SE	Shut	VOC	260.55 TPY	12.72 TPY converted		0 [247.8 TPY expired December 28, 2011]	Approval December 28, 2001 Hearing December 27, 2001, no comment Proposed Approval November 20, 2001 TPY expire after 10 years [2011] <ul style="list-style-type: none"> Converted 12.72 TPY of VOC ERC to 127 tons of mass-based VOC ERC (53 tons of ozone and 74 tons of non-ozone) - see letter dated March 7, 2007 from Martin W. Houge, Fall River Properties, Corp to WAL/ MassDEP (which was in error on ozone non ozone split). See November 20, 2007 letter that corrects the ozone/non-ozone season calculation. Transferred 53 tons ozone to northeast gateway. See letter dated March 13, 2007. Transferred 6 tons non-ozone season mass-based VOC ERC to Life Foam Industries LLC. See letter dated November 20, 2007.
				VOC	53 tons ozone [from 12.72 converted]		53 tons of ozone	0 tons ozone	
				VOC	74 tons non-ozone [from 12.72 TPY converted]		6 tons	68 tons non-ozone	
Fibermark DSI Papermill @ Front St W.Springfield Fibermark DSI 161 Wellington Rd Brattleboro, VT 05302 Mr. William Spreeman (802) 257-0365 X59061-E-02-022	W028909	WE	Shut	NOx	12 TPY			0 [12 TPY expired February 10, 2013]	Final Approval February 10, 2003 Hearing February 7, 2003, no comments Proposed Approval December 2002 CO not approved <5 TPY
				VOC	13 TPY			0 [13 TPY expired February 10, 2013]	

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
FLEXcon Co., Inc. Flexcon Industrial Park Spencer, MA PS-2 @ Wall Street	100424	CE	Over	VOC	121.86 tons ozone			121.86 tons ozone	Final Approval December 31, 1997 Hearing February 27, 1996 Amended short term limits (see January 31, 2000 letter from the DEP to Flexcon)
				VOC	168.84 tons non-ozone			168.84 tons non-ozone	
FLEXcon Co., Inc. Flexcon Industrial Park Spencer, MA Topcoaters @ Wall St TC1-1, 1-2, 1-3	10648	CE	Over	VOC	60.59 tons ozone			60.59 tons ozone	Final Approval December 31, 1997 Hearing February 27, 1996 Amended short term limits (see January 31, 2000 letter from the DEP to Flexcon)
				VOC	83.95 tons non-ozone			83.95 tons non-ozone	
FP International 1090 Mills Way Redwood City, CA 94063 Ron Clazie (650) 325-8433	X252075	CE	Shut-down	VOC	40 TPY			40 TPY	Shutdown of Auburn, MA facility Final Approval September 4, 2013 Hearing August 8, 2013 Proposed Approval July 9, 2013 TPY expire September 4, 2023
General Electric Aviation 1000 Western Ave Lynn, MA 01905 Contact: Jolanta Wojas (781) 594-4704	21-AQ18-0001-APP	NE	Shut-down	NOx	36 TPY			36 TPY	Final Approval June 16, 2021 Proposed Approval May 3, 2021
Haverhill Paperboard 100 South Kimball Street	X225078	NE	Shut-down	NOx	118 TPY		118 TPY	0 TPY	Final Approval April 7, 2010 Public Hearing scheduled for April 1, 2010 Proposed Approval issued February 24, 2010

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
Haverhill MBR-09-ERC-001 c/o The Newark Group 5000 Austell Powder Springs Road Austell, GA 30168 Bill Doerr (614) 226-4530 (cell)				VOC	27 TPY	25 TPY	2 TPY	0 TPY 104 tons (ozone season) 146 tons (non-ozone season)	<ul style="list-style-type: none"> • 22 TPY NOx sold by The Newark Group to Footprint Power Salem Harbor Operations LLC by P&SA dated February 4, 2013 - • 96 TPY NOx sold by The Newark Group to Advanced Power Services (NA), Inc. by letter dated August 3, 2016 • 2 TPY VOC sold to Newly Weds Foods, letter dated 2/6/2020 • 25 TPY VOC converted to 104 tons (ozone-season) and 146 tons (non-ozone season) by e-mail dated March 26, 2020
Highland Industries, Inc. 225 Arlington Street Framingham, MA Earl T. Crouch (336) 665-62 Fabric coating MBR-00-ERC-002	W015512	NE	Shut	NOx	17 TPY			0 TPY [17 TPY expired January 12, 2011]	Final Approval January 12, 2001 Hearing January 4, 2001, no comments Proposed Approval November 30, 2000
				VOC	21 TPY			0 TPY [21 TPY expired January 12, 2011]	
InteliCoat Technologies 28 Gaylord Street South Hadley, MA Scott Allen (413) 539-5346 1-E-09-008	X224807	WE	Shut	VOC	12.9 TPY			0 [12.9 TPY expired June 12, 2019]	Final Approval June 12, 2009 Hearing June 8, 2009
International Paper Company Papermill Road Millers Falls, MA Andy Kruger (800) 228-2955 X6 1-X-01-017	W018636	WE	Shut	NOx	39 TPY		39 TPY	0	Final Approval June 20, 2001 Hearing June 19, 2001; no comments Proposed Approval May 8, 2001 ERCs for MA use only WERO did not approve 2 TPY of CO because <5 TPY • Sold 39 TPY NOx to Element Markets, LLC Purchase and Sale Agreement dated March 8, 2010
				VOC	12 TPY			0 [12 TPY expired June 20, 2011]	

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
Interstate Brands Corporation 330 Speen Street Natick, MA Daniel Davis (816) 502-4000 MBR-00-ERC-001	W008431	NE	Shut	NOx	8 TPY			0 [8 TPY expired April 5, 2010]	Final Approval April 5, 2000 Hearing March 30, 2000; no comments Proposed Approval February 15, 2000 <ul style="list-style-type: none"> Sold 1 TPY VOC to Borden & Remington (see 7/6/00 letter to the Department)
				VOC	18 TPY		1 TPY	0 [17 TPY expired April 5, 2010]	
Kraft Heinz Foods Company Hill Street Woburn, MA Shane Stewart (412)237-5142 BO-16-001	X264868	NE	Shut-down	NOx	41 TPY		41 TPY	0	Shutdown of Woburn, MA facility Final Approval November 9, 2016 Hearing November 3, 2016 Proposed Approval October 7, 2016 TPY expire November 9, 2026 <ul style="list-style-type: none"> Sold 41 TPY to GE Aviation via Purchase and Sale Agreement dated November 10, 2016
Lightolier 631 Airport Road Fall River, MA Shutdown vapor degreaser 4P95217	144704	SE	TUR Shut	VOC	56.6TPY		56.6 TPY	0 TPY	Approval April 25, 1997 Hearing April 17, 1997 OR 23.70 tons ozone and 32.87 tons non-ozone – RUL 20 years if used for compliance [2017] <ul style="list-style-type: none"> Sold 56.6 TPY to Sithe Mystic Development LLC (See December 29, 1999 letter).
MATEP 474 Brookline Avenue Boston, MA	W003742	NE	Curt	NOx	259 tons ozone	1 ton ozone	176 tons ozone	82 tons ozone	Final Approval October 4, 2000 Hearing September 6, 2000, no comments Proposed Approval August 3, 2000

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
Sean Caldwell (617) 598-2711 MBR-99-ERC-004				NOx	523 tons non-ozone	3 tons non-ozone		520 tons non-ozone	<ul style="list-style-type: none"> Sold 175 tons ozone to RI Resource Recovery; see 7/6/2001 letter from MATEP to DEP. Ownership changed from MATEP Inc. to MATEP LP, effective June 1, 2010 Sold 1 ton ozone to Town of Ipswich Utilities Department by email dated Jan. 28, 2021 Retired 1ton ozone season and 1 ton non-ozone season for 2020 NOx RACT offsets, also 2 tons non-ozone season for prior to 2020 offsets (see NOx RACT Compliance Report, dated Feb. 11, 2021)
MATEP 474 Brookline Avenue Boston, MA Anne J. Reiter (617) 598-2723 Voluntary SCR install MBR-99-ERC-007	W006034	NE	Over	NOx	692 TPY		692 TPY	0 TPY	<p>Final Approval January 6, 2000 Hearing December 7, 1999; no comments Proposed approval [undated]</p> <p>BWP AQ 21 issued concurrently with ERC Approval</p> <ul style="list-style-type: none"> 692 TPY NOx sold to MIECO, Inc. see November 14, 2000 letter from Richard N. Daniels to Richard Lowell, MIECO, Inc.
MCC Dec-Tech, LLC 100 Clinton Street Framingham MBR-09-ERC-003	X230602	NE	Shutdown	VOC	9 TPY			0 TPY [9 TPY expired April 8, 2020]	<p>Final Approval April 8, 2010 Public Hearing scheduled for April 1, 2010. Proposed Approval issued February 24, 2010</p>
Mirant Canal, LLC (Also ComElectric and formerly, Southern Energy Canal LLC) Canal Station	W003340	SE	Over	NOx	452.6 tons ozone		15 tons 60 tons 12 tons 2 tons 96 tons 5 tons	262.6 tons ozone	<p>Final Approval September 22, 1999 Hearing September 14, 1999 Proposed Approval August 4, 1999</p> <p>ALSO in this approval were 12 Tons NOx ERA – see ERA Table – same T#</p>

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
Sandwich, MA Units 1 and 2 4B99003				NOx	399.4 tons non-ozone		120 tons	279.4 tons non-ozone	<ul style="list-style-type: none"> Sold 96 tons NOx ozone and 120 tons NOx non-ozone to Braintree – see Mirant letter dated 9/15/03 Sold 15 tons NOx ozone to Holyoke Water & Power. See November 15, 2001 letter from Shawn Konary of Mirant Canal, LLC Sold 60 tons NOx ozone to Holyoke Water & Power. See May 31, 2001 letter from Shawn Konary of Mirant Canal, LLC Sold 2 tons NOx ozone to PMLP. Sold 5 tons NOx ozone to TMLP. See TMLP letter dated 9/10/03.
MMWEC Massachusetts Municipal Wholesale Electric Company Stonybrook Station Ludlow, MA 1-X-97-044	122574	WE	Over	NOx	96 tons ozone	17 tons ozone converted to ERA	79.5 tons		<p>Final Approval January 14, 1998 Hearing December 29, 1997 Proposed Approval November 4, 1997</p> <ul style="list-style-type: none"> 79.5 Tons used for NEPOOL 310 CMR 7.53 (in three transfers) Balance of 17 Tons ozone converted to ERAs (See ERA entry with same T#)

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
MMWEC Stoneybrook Station Moody Street Ludlow, MA Michael DiMauro (413) 589-0141 X277 Unit 1B 1-X-98-009	P233929	WE	Over	NOx	39 tons non-ozone		39 tons non-ozone	0 tons	Final Approval May 26, 1998 Hearing April 24, 1998 Proposed Approval April 9, 1998 <ul style="list-style-type: none"> Sold all 39 tons to Braintree Electric Company as per letter dated January 16, 2003.
Mt. Tom Generating Company LLC 200 Northampton Street Holyoke, MA Robert Maggiani (774) 265-0227 BO-16-002	X270934	WE	Shut-down	NOx	72 TPY			72 TPY	Shutdown of Holyoke, MA facility Final Approval May 12, 2017 Hearing May 4, 2017 Proposed Approval April 7, 2017
				CO	17 TPY			17 TPY	TPY expire May 12, 2027
Nantucket Electric Co. (National Grid) Bunker Road Nantucket, MA Steve Holdgate (508) 325-8223 Candle Street Shutdown - Units 3, 4, 5, 6, 7, 10, 11 4B97058	137641	SE	Shut	NOx	911.7 TPY	116.7 TPY converted to 1167 tons based on 3/20/07 request	100 TPY 220 TPY 145 TPY 330 TPY	0	Final Approval March 20, 1998 Hearing March 12, 1998 Proposed Approval February, 1998 NOx and VOC TPY expire after 10 years [2008] RUL for NOx mass is 10 years
				NOx	840 tons ozone	55.9 tons 2.9 tons 6 tons	270 tons	505.2 tons ozone	<p style="text-align: center;">NOx Rate-Based</p> <ul style="list-style-type: none"> Sold 100 TPY NOx to Dighton Power (see P&S 6/20/97) Sold 220 TPY NOx to Millenium Power (See 5/5/98 letter from Nantucket) Sold 145 TPY NOx to Berkshire Power for \$725,000 (See 5/13/98 letter and Bill of Sale) Sold 330 TPY NOx to ANP (See 4/16/99 letter; note 145.3 TPY used for TR#118969 ANP Blackstone)
				NOx	1160 tons non-ozone	77.2 tons 13.7 tons		1069.1 tons non-ozone	
				NOx	486 tons ozone 681 tons non-ozone			486 tons ozone 681 tons non-ozone	<p style="text-align: center;">NOx Mass-Based</p> <ul style="list-style-type: none"> Sold 270 tons NOx ozone to NE Gateway – see letter dated 2/22/07;

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
				VOC	21.6 TPY	0.3 TPY 21.3 TPY converted based on 3/20/07 request		0	<ul style="list-style-type: none"> Used 133.1 tons NOx for the reactivation of Units 10 and 11 @ Bunker Road (4B98043) (55.9 tons ozone and 77.2 tons non-ozone) See 4/16/99 letter; Used 16.6 tons NOx for compliance for calendar year 1997 (2.9 tons ozone and 13.7 tons non-ozone). See 3/27/98 NEC letter; Used 1 ton NOx ozone for compliance for Bunker Road Units 12 and 13 for 1998 (letter); Used 1 ton NOx ozone for 1999 (letter 1/29/00); Used 1 ton NOx ozone for 2000 (letter 1/29/01); Used 1 ton NOx ozone for 2001 (letter 1/28/02); Used 1 ton NOx ozone for 2002 (letter 1/28/03); Used 1 ton NOx ozone for 2006 (letter 1/29/07); <p style="text-align: center;">VOC Rate-Based</p> <ul style="list-style-type: none"> 0.3 TPY of VOC for the reactivation of Units 10 and 11 @ Bunker Road (4B98043) See letter dated 4/16/99. Letter from Earth Tech 8/28/01 to confirm credits – cites 4/16/99 letter. Letter 3/20/07 Request to Convert remaining 116.7 NOx and 21.3 VOC TPY: conversion shown in June 5, 2015 edition.
				VOC	89 tons ozone 124 tons non-ozone			89 tons ozone 124 tons non-ozone	
Natick Paperboard 90 North Main Street Natick MBR-06-EBT-001	W074109	NE	Shutdown	NOx	37 TPY		37 TPY	0 TPY	<p>Final Approval April 7, 2010 Public Hearing scheduled for April 1, 2010 Proposed Approval issued February 24, 2010 7 years useful life if converted to tons</p> <ul style="list-style-type: none"> Sold by The Newark Group to Footprint Power Salem Harbor Operations LLC by P&SA dated February 4, 2013
New England Power Newburyport Diesel Station Water Street Newburyport, MA Mr. Joe Kwasnik (508) 421-7550	W005968	NE	Shut	NOx	8 TPY		8 TPY	0 TPY	<p>Final Approval October 7, 1999 Letter (typo correction) 10/20/99 Hearing scheduled 9/24/99, comments Proposed Approval</p> <ul style="list-style-type: none"> Sold 8 TPY to Cabot Power for NSR Offsets See November 9, 1999 letter from Cabot Power (note Cabot Power was never built).

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
Units 1 and 2 MBR-99-ERC-006									
New England Power Gloucester Diesel Station Rogers Street Gloucester, MA Mr. Joe Kwasnik (508) 421-7550 11 diesel units MBR-99-ERC-005	W005967	NE	Shut	NOx	88 TPY		88 TPY	0 TPY	Final Approval October 7, 1999 Hearing scheduled 9/24/99 VOC mass via RUL of 10 years [2009] with 11 ton self imposed limit for lower permit fee (otherwise would have been 13 ozone and 7 non-ozone) <ul style="list-style-type: none"> Sold 88 TPY NOx to Cabot Power for NSR Offsets See November 9, 1999 letter from Cabot Power (note Cabot was never built).
				VOC	11 tons				
Northeast Utilities Service Company West Springfield Station West Springfield, MA Unit 3 1-X-97-058	W000745	WE	Over	NOx	128 tons ozone	95 tons ozone		33 tons ozone	Final Approval May 18, 1998 <ul style="list-style-type: none"> Used 95 tons ozone to re-power Units 1&2 (1997) Also letter 3/5/01 requesting to convert 33 tons ozone to ERA but missed window for converting so not approved.
				NOx	58 tons non-ozone			58 tons non-ozone	
Northeast Utilities Holyoke Water and Power Mt Tom Station Holyoke, MA Unit 1 1-C-94-119	87365	WE	Early	NOx	1342 tons ozone		1108 tons 48 tons 180 tons	6 tons ozone	Approval January 9, 1997 Hearing August 8, 1996 <ul style="list-style-type: none"> Transferred 1108 tons ozone for NEPOOL 310 CMR 7.53 (see NU letter 3/31/98). Sold 48 tons ozone and 72 tons non-ozone to Braintree from NU TR#W000779 and TR#87365. Sold 1200 tons (300 ozone and 900 non-ozone) NOx to CAA (see Ford letter 9/17/98) of which 1080 tons (180 ozone and 900 non-ozone) went to Ford and CAA voluntarily retired the remaining 120 tons (ozone see NU Mt. Tom TR#W000779) for the environment. Transferred 24 credits to CT DEP in 1998
				NOx	3029 tons non-ozone		900 tons 72 tons	2057 tons non-ozone	
Northeast Utilities Mt Tom Station Holyoke, MA Unit 1 1-X-97-059	W000779	WE	Over	NOx	130 tons ozone		120 ozone	10 tons ozone	Final Approval May 18, 1998 <ul style="list-style-type: none"> See NU Mt. Tom TR#87365 for the 120 tons NOx ozone transferred to CAA.
				NOx	172 tons non-ozone			172 tons non-ozone	

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
Northeast Utilities Service Company West Springfield Station West Springfield, MA William Nadeau Unit 3 1-X-98-040	W003341	WE	Over	NOx	51 tons ozone	12 tons ozone		39 tons ozone	Final Approval March 23, 1999 Hearing referenced in approval (no date) – no comments Proposed Approval January 28, 1999 <ul style="list-style-type: none"> Used 12 tons ozone and 8 tons non-ozone between 1999-2004 – see letter 10/13/05 from West Springfield. Also letter 3/5/01 requesting to convert 51 tons ozone season NOx to ERA but missed window for converting – not approved.
				NOx	58 tons non-ozone	8 tons non-ozone		50 tons non-ozone	
Ogden Martin Systems Lawrence RDF Plant 85 Manchester Street Lawrence, MA George Drew (978) 372 – 6288 RDF Combustor MBR-98-ERC-003	W002881	NE	Shut	NOx	539TPY		181 TPY 158 TPY	0 [200 TPY expired September 30, 2009]	Final Approval September 30, 1999 Hearing August 30, 1999 Proposed Approval July 14, 1999 <ul style="list-style-type: none"> Sold 181 TPY NOx to ANP Westbrook Power (Maine Interstate trade) Sold 158 TPY NOx to Constellation Co./Nickel Hill Energy, LLC Sold 2 TPY VOC to Constellation Co./Nickel Hill Energy, LLC
				CO	123 TPY			0 [123 TPY expired September 30, 2009]	
				VOC	2 TPY		2 TPY	0 TPY	
Ogden Martin Systems of Haverhill 85 Manchester Street Lawrence, MA George Drew (978) 372-6288 GLIA-TCF Boiler MBR-99-ERC-009	W008616	NE	Shut	NOx	153 TPY		38 TPY	0 [115 TPY expired March 7, 2010]	Final Approval March 7, 2000 Hearing March 2, 2000; one set of comments Proposed Approval January 14, 2000 <ul style="list-style-type: none"> Sold 38 TPY NOx to Rhode Island LFG Genco, LLC (Rhode Island Interstate trade)
				CO	28 TPY			0 [28 TPY expired March 7, 2010]	
				VOC	3 TPY			0 [3 TPY expired March 7, 2010]	
PG&E Generating Brayton Point Station Somerset, MA	W004534	SE	Over	NOx	495 tons ozone			495 tons ozone	Final Approval September 28, 1999 Hearing September 22, 1999 Proposed Approval August 13, 1999

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
Units 1 and 2 4B99015									Note: Error in original entry (forgot CAM 0.95)
PG&E Generating (formerly New England Power) Brayton Point Station Dan Chartier Units 1,2, 3 4B97055	101944	SE	Over	NOx	1017.6 tons ozone		764 tons 253 tons	0.6 tons ozone	Final Approval November 7, 1997 Hearing November 4, 1997 Proposed Approval September 30, 1997 <ul style="list-style-type: none"> Used 253 tons ozone Voluntary Caps 1998. Used 1045 tons non-ozone Voluntary Caps 1998. Used 764 tons ozone for NEPOOL 7.53 (Natsource letter of 4/28/98 - from NEP)
				NOx	1313.7 tons non- ozone		1045 tons	268.7 tons non-ozone	
PG&E Generating (formerly New England Power) Brayton Point Station Dan Chartier Units 1,2, 3 4B96088	101953	SE	Over	NOx	606 tons ozone		596 tons 10 tons	0 tons ozone	Final Approval November 14, 1996 Hearing November 7, 1996 <ul style="list-style-type: none"> Sold 596 tons ozone (had been held onto by NEP after assets sold to PG&E) to Haverhill Paperboard Corp on 4/9/99 Used 10 tons ozone for Voluntary Caps 1998
				NOx	516.2 tons non-ozone			516.2 tons non-ozone	
PG&E Generating (formerly New England Power) Brayton Point Station Dan Chartier Unit 2 4B95124	101943	SE	Early	NOx	296 tons ozone		296 tons ozone	0 tons ozone	Final Approval December 8, 1995 Hearing December 1, 1995 Proposed Approval November 8, 1995 <ul style="list-style-type: none"> Used 296 Tons ozone -Voluntary Caps 1998
				NOx	1021.1 tons non- ozone			1021.1 tons non-ozone	
PG&E Generating (formerly New England Power) Brayton Point Station Dan Chartier Unit 1 4B94066	83238	SE	Early	NOx	398 tons ozone		65 tons 256.6 tons 11 tons	65.4 tons ozone	Approval June 20, 1995 Hearing May 26, 1995 <p style="text-align: center;">NOx Mass – Ozone:</p> <ul style="list-style-type: none"> Sold 65 ozone Tons to Montaup (See December 20,1995 notice.) Sold 256.6 Tons ozone season and 228.7 tons non-ozone season to Nantucket Electric Used 11 tons ozone -Voluntary Caps 1998.

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
				NOx	951 tons non-ozone	3 tons	1 ton 28 tons 228.7 tons 2.6 tons 624 tons	63.7 tons non-ozone	<p align="center">NOx Mass – Non-Ozone:</p> <ul style="list-style-type: none"> Sold 1 Ton non-ozone to Environmental Futures Sold 28 Tons non-ozone season to Malden Mills Sold 2.6 Tons non-ozone season to Twin Rivers Sold 624 tons of non-ozone season credits to Haverhill Paperboard on 4/9/99. Used 3 tons non-ozone for Hg testing w/o SNCR – see PG&E letter 11/18/02. (TR#83238). <p>Note: 65 tons ozone season remain with NEP (from Montaup option not exercised)</p>
PG&E Generating (formerly New England Power) Brayton Point Station Dan Chartier Units 1 and 24B97089	101945	SE	Over	NOx	453.3 tons ozone		259 tons 194 tons	0.3 tons ozone	<p>Final Approval March 20, 1998 Hearing March 12, 1998 Proposed Approval February 4, 1998</p> <ul style="list-style-type: none"> Used 259 tons for Voluntary Caps 1998. Used 194 Tons for NEPOOL from NEP (see Natsource letter of 4/28/98).
PROMA Technologies, Inc. (Now Vacumet) (Formerly Van Leer Metal Products / Avery) 24 National Drive Franklin, MA Shutdown 3 coating machines MBR-94-ERC-010	91013	NE	Shut	VOC	29.35 TPY			0 [29.35 TPY expired January 29, 2007]	<p>Final Approval January 29, 1997 Hearing January 22, 1996</p> <p>Use limited to Offsets.</p> <p>Application originally denied 4/11/95 because Van Leer and Avery both applied. (formerly Van Leer and Avery; see January 14, 2000 letter to the DEP) Name is now Vacumet.</p>
Schweitzer-Mauduit International, Inc 157 Columbia St Lee, MA Shutdown Boilers #2 and #3 1-E-10-017	X231390	WE	Shut	NOx	108 TPY		108 TPY	0	<p>Final Approval August 26, 2010 Hearing August 17, 2010</p> <p>TPY expire August 26, 2020</p> <p>10 year useful life if converted to ERCs in Mass ERC Bank</p> <ul style="list-style-type: none"> Sold to Pioneer Valley Energy Center, April 8,

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
									2015
Simkins International Westfield River Paper Division Lee Mr James Galvin Lee Boilers 1 and 2 1-C-94-121	86934	WE	Shut	NOx	12 TPY		12 TPY	0 TPY	Approval January 9, 1997 Hearing August 8, 1996 OR 50 tons ozone and 70 tons non-ozone with RUL of 10 years if used for compliance [2007] • Sold 12 TPY NOx to ANP for \$46,800 see letters dated April 9, 1998. Note 2 TPY were then transferred to ANP Blackstone (TR#118969) and 10 TPY were transferred to ANP Bellingham.
Simkins International Westfield River Paper Division Russell Mr James Galvin Russell Boilers 1, 2, 3 1-C-94-122	86936	WE	Shut	NOx	43 TPY		43 TPY	0 TPY	Approval January 9, 1997 Hearing August 8, 1996 OR 183 Tons ozone and 254 Tons non-ozone [with RUL of 10 years if used for compliance [2007] • Sold 43 TPY NOx to ANP for \$167,700 see letters dated April 9, 1998. Note 43 TPY were then transferred to ANP Blackstone (T# 118969).
Sithe Mystic LLC Mystic Station 173 Alford Street Charlestown, MA Timothy Bedard (617) 381-2387 Unit 7 MBR-99-ERC-003	115961	NE	Over	NOx	427 tons ozone			427 tons ozone	Final Approval October 20, 1999 Hearing October 8, 1999– no comments Proposed Approval September 12, 1999
				NOx	506 tons non-ozone			506 tons non-ozone	
Sithe New Boston LLC New Boston Station 776 Summer Street Boston, MA Paul Hamilton (617) 381-2505 Units 1 and 2 MBR-99-ERC-002	115960	NE	Over	NOx	700 tons ozone	700 tons ozone		0 tons zone	Final Approval October 20, 1999 Hearing October 8, 1999– no comments Proposed Approval September 2, 1999 • CONVERTED 700 Tons ozone to ERA pursuant to 7.27(9)(d) as part of ERC approval (see ERA entry with same T#)
				NOx	513 tons non-ozone			513 tons non-ozone	
Sithe New England (formerly Boston)	115955	NE	Over	NOx	305.1 tons ozone		245.5 tons ozone	59.6 tons ozone	Final Approval May 6, 1998 Hearing April 23, 1998

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
Edison) Mystic Station 173 Alford Street Charlestown, MA Unit 7 MBR-97-ERC-002									Proposed Approval March 19, 1998 • 245.5 Tons for NEPOOL 7.53
Sithe New England (formerly Boston Edison) Mystic Station 173 Alford Street Charlestown, MA Unit 7 MBR-97-ERC-003	115956	NE	Over	NOx	180.4 tons ozone			180.4 tons ozone	Final Approval May 6, 1998 Hearing April 23, 1998 Proposed Approval March 19, 1998
				NOx	370 tons non-ozone			370 tons non-ozone	
Sithe New England (formerly Boston Edison) New Boston Station Boston, MA Units 1 and 2 MBR-97-ERC-004	115957	NE	Over	NOx	483.1 tons ozone			483.1 tons ozone	Final Approval April 24, 1998 Hearing April 15, 1998 Proposed Approval March 4, 1998
				NOx	706.6 tons non-ozone			706.6 tons non-ozone	
Sithe New England (formerly Boston Edison) New Boston Station Boston, MA Units 1 and 2 MBR-96-ERC-002	115953	NE	Over	NOx	429.1 tons ozone			429.1 tons ozone	Final Approval May 17, 1997 Hearing May 7, 1997
				NOx	311.9 tons non-ozone			311.9 tons non-ozone	
Sithe New England (formerly Boston Edison) Mystic Station 173 Alford Street Charlestown, MA Unit 7 MBR-96-ERC-001	115952	NE	Over	NOx	243.5 tons ozone			243.5 tons ozone	Final Approval May 17, 1997 Hearing May 7, 1997
				NOx	160.6 tons non-ozone			160.6 tons non-ozone	

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
Sithe New England (formerly Boston Edison) New Boston Station Boston, MA MBR-95-ERC-007	116434	NE	Over	NOx	183 tons ozone			183 tons ozone	Final Approval August 2, 1996 Hearing June 25, 1996
				NOx	561 tons non-ozone			561 tons non-ozone	
Sithe New England (formerly Boston Edison) New Boston Station Boston, MA MBR-94-ERC-007	93903	NE	Over	NOx	325 tons ozone	11.68 tons ozone	198 tons ozone 15 tons Ozone	46.18 tons ozone	Final Approval September 18, 1995 Hearing May 26, 1995 <ul style="list-style-type: none"> Sold 198 tons ozone and 49 tons non-ozone to Lloyd Manufacturing Corporation, Warren, RI. (See January 31, 2000 letter from Sithe to DEP and Lloyd letter 10/24/00) Sold 15 tons ozone to NU Holyoke Water Power Co., Berlin, CT. (See July 27, 2000 letter from Sithe to DEP) Used 11.68 tons ozone and 5.63 tons non-ozone for combined CT use up to 4/1/98 (see "BE to Sithe" name change letter 5/5/98.) Sold 54.2 tons ozone and 31.1 tons non-ozone 5/12/97 (see "BE to Sithe" name change letter 5/5/98.)
				NOx	445 tons non-ozone	5.63 tons non-ozone	49 tons Non-ozone 31.1 tons Non-ozone	359.27 tons non-ozone	
Somerset Power LLC Somerset Station Mark D. Anderson Unit 8 4B99014	W004718	SE	Over	NOx	79 tons ozone			79 tons ozone	Final Approval September 10, 1999 Hearing August 31, 1999 Proposed Approval July 28, 1999
Somerset Power, LLC Somerset, MA Boiler 7 shutdown 4B94164	W003666	SE	Shut	NOx	789.6 TPY			0 [789.6 TPY expired May 30, 2011]	Final Approval issued May 30, 2001 Public Hearing held May 17, 2001 Proposed Approval; April 10, 2001 NOx TPY will expire in 10 years [2011]
Spaulding Sports Worldwide 425 Meadow Street Chicopee, MA William Sweetman	95276 for ERC generation & 120421 for ERC use	WE	Shut	VOC	4TPY	4 TPY		0 TPY	Approval January 9, 1997 August Hearing 8, 1996 OR 17 tons ozone and 23 tons non-ozone season VOC under TR#95276

Generator Name	Transmittal No.	Region	Type	Pollutant	Quantity Generated	Quantity Used or Converted by Gen.	Quantity Transferred	Quantity Remaining	Comments
1-C-95-047									<ul style="list-style-type: none"> Used 4 TPY (3.86 TPY) under TR#120421 Limited Plan Application by owner to install new golf club production line.
The Newark Group 250 Canal Street Lawrence, MA c/o The Newark Group 5000 Austell Powder Springs Rd Austell GA 30168 Bill Doerr (614) 226-4530 MBR-03-ERC-001	W035224	NE	Shut	NOx	350 tons ozone		350 tons ozone	0	Final Approval June 11, 2003 Public Hearing Scheduled June 10, 2003 Proposed Approval Issued May 8, 2003 <ul style="list-style-type: none"> 91 TPY Rate ERC Converted To Mass ERC by request of the applicant 1 Ton Ozone sold to Ipswich Municipal Light Dept – See Purchase Order dated August 10, 2012 15 tons ozone, 5 tons non-ozone sold to Emission Advisors per P&SA executed January 6, 2017 334 tons (ozone-season), 464.6 tons (non-ozone-season) sold to Wheelabrator Technologies Inc. (see TNG letter dated December 9, 2019)
					560 tons non-ozone	90.4 tons non-ozone	469.6 tons non-ozone	0	
United States Gypsum Co. 200 Terminal St. Charlestown Gregory Kinser (312) 436-4134 MBR-09-ERC-002	X228497	NE	Shutdown	NOx	10 TPY		10 TPY	0	Final Approval May 25, 2010 Public Hearing scheduled for May 24, 2010. Proposed Approval issued April 13, 2010 VOC TPY denied since <5TPY <ul style="list-style-type: none"> 8 TPY CO sold to Element Markets per letter dated January 27, 2015 10 TPY NOx sold to Pioneer Valley Energy Center, LLC per letter dated May 15, 2015
					CO	8 TPY		8 TPY	
Westvaco Corp. 311 Industry Avenue Springfield, MA George Gordon Shutdown - flexible packaging 1-X-01-051	W022327	WE	Shut	VOC	15.0 TPY	15.0 TPY		0 TPY	Final Approval October 29, 2001 Hearing October 22, 2001; no comments Proposed Approval September 14, 2001 ERC were permanently surrendered (simultaneously USED) as a condition of the approval; 1-X-01-051

Emission Reduction Credits In Public Comment

Name	Transmittal Number	Region	Type	Pollutant	Quantity	Comments

Emission Reduction Credits Under Review (Application submitted no action yet taken by the Department)

Name	Transmittal Number	Region	Type	Pollutant	Quantity	Comments
Crown Beverage Packaging USA One Crown Way Philadelphia, PA 19154 contact: Mike Herron (215) 698-5100	#18-AQ18-000002-APP	NE	Shut	VOC	to be determined	Application available for inspection at https://eeaonline.eea.state.ma.us/EEA/PublicApp/

Emission Reduction Credits – Application WITHDRAWN

Name	Transmittal Number	Region	Type	Pollutant	Quantity	Comments
Sithe Mystic LLC Mystic Station 39 Rover Street Everett, MA Gary Basileco (617) 381-2335	W005512	NE	Curtailment of Units 4, 5, 6 and 7	NOx	979 TPY	Public Hearing scheduled for December 20, 2002. Proposed Approval issued December 2002
				VOC	9 TPY	Exelon letter dated 12/19/02 – Application withdrawn without prejudice by applicant. Chose to use 7.02 Plan Approval (Fore River) instead.

Approved Conversion of ERCs to Early Reduction Allowances

Name	Transmittal Number	Region	Type	Pollutant	Quantity ERCs used	Comments
Sithe New Boston LLC New Boston Station MBR-99-ERC-002	115960	NE	Over	NOx	700 Tons	Final Approval October 20, 1999 Conversion Letter March 26, 1999 as part of ERC application submittal – see ERC Generation table entry with same T#. • Early reduction allowances issued, Event #2348, confirm date 19990928 NATS = 700.tons
MASSPOWER 750 Worcester Street Indian Orchard, MA Jeffrey W. Bentz 1-X-98-041	P21561	WE	Over	NOx	19 Tons	Final Approval March 23, 1999 Conversion Letter July 19, 1999 NATS = 19 tons
Sithe New Boston Station Boston, MA MBR-97-ERC-001	115954	NE	Over	NOx	584 Tons	Final Approval April 24, 1998 Hearing April 15, 1998 Proposed Approval March 4, 1998 Conversion Letter July 19, 1999 NATS = 584 tons
Massachusetts Municipal Wholesale Electric Company Moody Street Ludlow, MA Michael DiMauro (413) 589-0141 X243 1-X-97-044	122574	WE	Over	NOx	17 Tons	Final Approval January 14, 1998 Hearing December 29, 1997 Proposed Approval November 4, 1997 Conversion Letter July 19, 1999 Approval part of ERC Generation table entry with same TR#. NATS = 17 tons
PG&E Generating Brayton Point Station Somerset, MA Dan Chartier 4B97100	101946	SE	Over	NOx	451	Final Approval April 14, 1998 Conversion Letter July 19, 1999 Conversion Request April 6, 1999 NATS = 451 tons

Approved Conversion of ERCs to Early Reduction Allowances

Massachusetts Municipal Wholesale Electric Company Moody Street Ludlow, MA Michael DiMauro (413) 589-0141 X243 1-X-99-007	138295	WE	Over	NOx	96 Tons	Final approval 8/24/99 Public hearing 7/13/99 Conversion letter December 7, 1999 NATS = 96 Note - these were never approved as ERCs so there is no Generation Table entry.
PG&E Generating Brayton Point Station Somerset, MA Unit 3 4B99016	W004528	SE	Over	NOx	356 Tons	Final Approval September 28, 1999 Hearing scheduled 9/22/99 Proposed Approval August 13, 1999 Conversion letter December 7, 1999 Conversion Request April 6, 1999 [Note: 356 tons with CAM of 1.0, but 338 tons with CAM of 0.95] NATS = 356 tons
PG&E Generating Salem Harbor Station 24 Fort Avenue Salem, MA Rayner Kenison (508) 389-3502 MBR-99-ERC-001	W004690	NE	Over	NOx	159 Tons	Final Approval October 7, 1999 Hearing scheduled 9/24/99 Proposed Approval September 29, 1999 Conversion letter December 7, 1999 Conversion Request April 6, 1999 [Note: 159 tons with CAM of 1.0, but 147 tons with CAM of 0.95] [NATS entry] Tom Romero of PG&E requested 147 tons in letter dated 4/6/99
PG&E Generating Salem Harbor Station 24 Fort Avenue Salem, MA Rayner Kenison (508) 389-3502 MBR-98-ERC-001	W001062	NE	Over	NOx	39 Tons	Final Approval October 20, 1999 Hearing October 8, 1999 Proposed Approval September 2, 1999 Conversion letter December 7, 1999 Conversion Request April 6, 1999 [Note: 39 tons with CAM of 1.0, but 33.9 tons with CAM of 0.95] [NATS entry]
Southern Energy Canal LLC (Mirant) 4B99003	W003340	SE	Over	NOx	12 Tons	Final Approval September 22, 1999 Conversion letter December 1999 Approval also contained ERC - see ERC Generation Mirant Canal entry same R# NATS = 12 tons

Approved Conversion of ERCs to Early Reduction Allowances

Taunton Municipal Lighting Plant 55 Weir Street Taunton, MA Richard Velez (508) 824-3120 Unit 9/9A 4B98007	121489	SE	Over	NOx	20 Tons	Final Approval April 21, 2000 Hearing March 27, 2000 Proposed Approval issued February 22, 2000
Taunton Municipal Lighting Plant 55 Weir Street Taunton, MA Richard Velez (508) 824-3120 Unit 9/9A 4B99007	119047	SE	Over	NOx	12 Tons	Final Approval April 21, 2000 Hearing March 27, 2000 Proposed Approval issued February 22, 2000