COMMERCIAL PROGRAMS								
State	Demand Response (C&I)	Smart Thermostats/BYOT	Battery Control/BYOB	Water Heater Control	VRF SYSTEMS	Microgrids	AMI	BMS (Building Management Systems)
СТ	✓	✓			<b>√</b>	✓		
DC	✓							
DE	✓					<b>√</b>	<b>√</b>	
MA	<b>√</b>	✓	<b>✓</b>		<b>√</b>	<b>√</b>		
MD	✓	✓		<b>✓</b>		<b>√</b>	<b>√</b>	
ME	<b>√</b>				<b>√</b>	<b>√</b>	✓	
NH	<b>√</b>	<b>√</b>						
NJ	✓					<b>√</b>	<b>√</b>	
NY	✓	<b>√</b>	<b>✓</b>	✓	<b>√</b>		<b>√</b>	
PA	<b>√</b>			<b>✓</b>			<b>√</b>	
RI	<b>√</b>	<b>√</b>			<b>√</b>			
VT	<b>√</b>	<b>√</b>			<b>√</b>	<b>✓</b>	<b>√</b>	
wv		<b>✓</b>			<b>√</b>	<b>√</b>	<b>√</b>	

STATE	PROGRAM/CATEGORY (RES)	DESCRIPTION	LINK
СТ	Demand Response	A) Eversource will use ConnectedSolutions, a suite of demand response options and tools that can help manage demand. Available tools include energy storage, advanced controls, and active monitoring	https://www.eversource. com/content/ct- c/business/save-money- energy/manage-energy- costs-usage/demand- response
DC	Demand Response	A) The programs allow qualifying customers to participate in real-time, day-ahead, forward capacity and synchronous reserve markets or just receive payment in exchange for voluntarily interrupting their operations during periods of high demand.	https://cienergyefficienc y.pepco.com/Performanc e.aspx
DE	Demand Response	Chapters 10 and 15 of Title 26: in Delaware's Administrative Code discuss both demand-side management and demand response measures required by utilities.	https://delcode.delaware .gov/title26/index.html
MA	Demand Response	A) MA utilities have demand response programs that can be implemented either manually or automatically to reduce load during peak hours	A) https://www.masssave.c om/saving/business- rebates/demand- response-and-storage
MD	Demand Response	A) Pepco offers PJMs Demand Response program. The program allow qualifying customers to participate in real-time, day-ahead, forward capacity and synchronous reserve markets or just receive payment in exchange for voluntarily interrupting their operations during periods of high demand.	https://cienergyefficienc y.pepco.com/Performanc e.aspx

ME	Demand Response	A) ME is part of ISO NE, but it doesn't look like they have any state specific programs for	1) https://www.iso-
		demand response.	ne.com/markets-
		B) Through Efficiency Maine's Innovation Program, four pilot projects for FY19 and FY20	operations/markets/dem
		including: 1) Demand Response: Residential DER; 2) Battery Storage; 3) Passive Loading Shifting;	and-resources/about 2)
		4) Load Shifing Using Transactive Controls and Storage	https://www.synapse-
			energy.com/sites/default
			/files/SynapseReport.200
			8-01.ME-PUC.Increasing-
			Demand-Response-in-
			Maine.07-077.pdf
			<u>3)</u>
			https://legislature.maine.
			gov/doc/3469
NH	Demand Response	A) New Hampshire's electric and natural gas utilities have offered demand response programs	<u>1)</u>
		for both residential and Commerical and Industrial customers across the state	https://www.puc.nh.gov/
		B) NH Saves C&I Demand Reduction Initiative	Regulatory/Docketbk/20
			20/20-092/LETTERS-
			MEMOS-TARIFFS/20-
			<u>092_2021-01-</u>
			19 EVERSOURCE REV PL
			AN_NARRATIVE_INCORP
			ORATE_SETTLEMENT_TE
			RMS.PDF
			<u>2)</u>
			https://www.puc.nh.gov/
			regulatory/Docketbk/201
			7/17-136/LETTERS-
			MEMOS-TARIFFS/17-
			<u>136_2019-01-</u>
			28 EVERSOURCE AND U
			ES_REDUCTION_INITIATI
			<u>VE.PDF</u>

NJ	Demand Response	A) NJ small scale commercial pilot program from 2009	https://www.nj.gov/bpu/
IAT	Demand Response	A) NJ SITIALI SCALE COTTITUETCIAI PILOT PROGRAM HOME 2009	
			commercial/demandresp
			onse.html
NY	Demand Response	A) Large energy users can participate in a demand response program and receive payments for	https://www.nyserda.ny.
		reducing the use of electricity from the grid during periods of highest electricity demand.	gov/All-
			Programs/Programs/Ener
			gy-Storage/Energy-
			Storage-for-Your-
			Business/Demand-
			Response-Programs
PA	Demand Response	A) Through PA Act 129 Program, a program signed into law in 2008 set ambitious savings and	https://www.firstenergyc
		demand reduction goals for the states large electric utilities. The Commercial and Industrial	orp.com/save_energy/sa
		Demand Response Program is offered to Met-Ed, Penn Power, and West Penn Power.	ve energy pennsylvania/
			west penn power/for y
			our business/commercia
			l-industrial-demand-
			response.html
RI	Demand Response	A) National Grid offers the ConnectedSolutions program for businesses	https://www.nationalgrid
			us.com/RI-
			Business/Energy-Saving-
			Programs/ConnectedSolu
			tions
VT	Demand Response	A) Details savings from both residential and C&I DR programs	https://www.efficiencyve
			rmont.com/Media/Defau
			<u>lt/docs/white-</u>
			papers/Assessment%20o
			f%20Demand%20Respon
			se%20Capability%20and
			%20Effectiveness.pdf

СТ	Smart Thermostats/BYOT	A) Eversource will use ConnectedSolutions, a suite of demand response options and tools that can help manage demand. Available tools include energy storage, advanced controls, and active monitoring	https://www.eversource. com/content/ct- c/business/save-money- energy/manage-energy- costs-usage/demand- response
MA	Smart Thermostats/BYOT	Mass Save offers the ConnectedSolutions Program  A) Your business can earn incentives for reducing energy use during times of peak demand and helping to reduce carbon emissions and strain on the electric grid by enrolling in the ConnectedSolutions demand response program. There are a variety of ways you can participate. All you have to do is reduce your energy use when prompted by your Mass Save Sponsor. This can mean manually turning off lights and equipment not in use, or using automatic controls to do it for you. Or, if you have on-site storage, we can draw energy stored in your battery, allowing you to earn incentives while having a back-up supply of energy if needed.	https://www.masssave.c om/en/saving/business- rebates/demand- response-and-storage
MD	Smart Thermostats/BYOT	A) Electrical controls can help you save money and energy by automatically turning off lights and equipment when rooms are not occupied. They can also be used for: Smart strips, Hotel room HVAC controls, Hotel room receptacle controls, Vending machine controls.	https://homeenergysavin gs.pepco.com/business/ mlb-incentives
NH	Smart Thermostats/BYOT	A) Eversource will use ConnectedSolutions, a suite of demand response options and tools that can help manage demand. Available tools include energy storage, advanced controls, and active monitoring	https://www.eversource. com/content/nh/busines s/save-money- energy/manage-energy- costs-usage/demand- response

NY	Smart Thermostats/BYOT	A) National Grid offers the ConnectedSolutions program to allow a residents smart thermostat to adjust a home's temperature and temporarily reduce energy use during peak energy events B) Con Edison offers a similar initiative	1) https://cenhudpeakperks .com/ 2) https://www.coned.com/ en/save-money/rebates- incentives-tax- credits/rebates- incentives-tax-credits-
			for-residential- customers/bring-your- thermostat-and-get-\$85
RI	Smart Thermostats/BYOT	A) National Grid offers the ConnectedSolutions program for smart thermostats	https://enrollmythermos tat.com/faqs/connecteds olutionsne/
VT	Smart Thermostats/BYOT	A) Rebate for smart thermostat, not grid-connected	https://www.efficiencyve rmont.com/rebates/list/s mart-thermostats
WV	Smart Thermostats/BYOT	A) Appalachian Power offers a Bring Your Own Thermostat Program that provides homeowners the opportunity to earn money and promote energy efficiency and reliability for all Appalchaian Power Customers. Appalachian Power will make adjustments via the smart thermostat on a limited number of peak demand periods throughout the summer.  B) Similar to AP, Dominion Energy also offers a Residential Smart Thermostats Program.  Customers with a smart thermostat can earn additional rewards by participating in one or both of their offered programs (Smart Thermostat Rewards Program & WeatherSmart Program)	https://openei.org/wiki/ AEP Appalachian Power  Commercial and Indust rial Rebate Programs ( West Virginia)

СТ	Battery Control/BYOB	A) Eversource will use ConnectedSolutions, a suite of demand response options and tools that can help manage demand. Available tools include energy storage, advanced controls, and active monitoring	https://www.eversource. com/content/ct- c/business/save-money- energy/manage-energy- costs-usage/demand- response
MA	Battery Control/BYOB	Mass Save offers the ConnectedSolutions program A) You can enroll your battery storage system in ConnectedSolutions to earn incentives for reducing the load on the grid during peak times	https://www.masssave.c om/en/saving/business- rebates/demand- response-and-storage
MD	Battery Control/BYOB	A) Battery storage in the PJM region is used mainly for peak load shifting B) Maryland law creates energy storage pilot program	1) https://www.energy.gov/ sites/prod/files/2019/10/ f68/EAC Storage Levitt.p df 2) https://www.publicpowe r.org/periodical/article/m aryland-law-creates- energy-storage-pilot- program
ME	Battery Control/BYOB	A) Efficiency Maine has launched a pilot program for connected battery storage, but recruitment has been a challenge	https://legislature.maine. gov/doc/3469

NH	Battery Control/BYOB	A) By enrolling in the ConnectSolutions DR program, the resident will be rewarded by allowing Eversource to use the energy stored in their battery at time of high demand B) Liberty Utilities has a BYOD energy storage program pilot and approved for a maximum of 200 residential batteries but does not leverage customer or third party investment with utility-owned devices.	1)https://www.eversourc e.com/content/nh/reside ntial/save-money- energy/manage-energy- costs-usage/demand- response/battery- storage-demand- response 2) https://www.google.com /search?q=liberty+utilites +byod+pilot&rlz=1C1GCE U_enUS858US858&oq=li berty+utilites+byod+pilot &aqs=chrome69i57j69i6 5.3725j0j7&sourceid=chr ome&ie=UTF-8
NY	Battery Control/BYOB	A) Incentives for grid-connected energy storage in NY state	https://www.nyserda.ny. gov/All%20Programs/Pro grams/Energy%20Storag e/Energy%20Storage%20 for%20Your%20Business
RI	Battery Control/BYOB	A) National Grid offers the ConnectedSolutions program for batteries	https://www.nationalgrid us.com/RI- Business/Energy-Saving- Programs/ConnectedSolu tions
VT	Battery Control/BYOB	A) Page is under maintenance but Green Mountain Power offers a BYOD program for businesses	
MA	Water Heater Control	A) Electric Water Heating Savings Program. We will install a switch on your electric water heater to allow us to turn it off daily (for approximately 4 hours) when power is most expensive and generated by the least efficient plan	https://concordma.gov/4 94/Controlled-Water- Heating

MD	Water Heater Control	A) PJM tested a pilot program with grid-interactive water heaters in 2020.	https://www.pjm.com/m arkets-and- operations/advanced- tech-pilots.aspx?nrg&p=1
NY	Water Heater Control	A) References a pilot program for Jamestown that BPU customers may apply for - available for some residents, no further information found	https://www.post- journal.com/news/comm unity/2020/02/bpu- customers-may-apply- for-water-heater-pilot- program/
PA	Water Heater Control	A) Program offered through United Electric Cooperative. During peak demand periods, UEC will send a signal that interrupts power to the water heater for several hours and the customer will receive a credit each month on their utility bill.	A) <a href="http://www.unitedpa.co">http://www.unitedpa.co</a> <a href="mailto:m/Load_Management.ph">m/Load_Management.ph</a> <a href="mailto:p">p</a>
RI	Water Heater Control	A) Mentions a pilot program from 2016 on grid-connected water heaters, but no other programs found	http://www.ripuc.ri.gov/ eventsactions/docket/45 80-NGrid-2016-EEPP(10- 15-15).pdf
VT	Water Heater Control	A) Green Mountain Power launched a smart water heater program in 2017 B) Article describing the smart water heater program from GMP	https://greenmountainp ower.com/green- mountain-power- launches-smart-water- heater-program-help- customers-save-money/

СТ	VRF SYSTEMS	Rebates are available to industrial, commercial, institutional, and agricultural electric customers of Connecticut Light & Power Company dba Eversource Energy ("Eversource"), The United Illuminating Company ("UI") who have a commercial rate code on their electric service. Eligible equipment and products must be installed in the service territory of the participating utility. New construction projects are NOT eligible. Residential customers may apply for common areas of multi-family housing. Valid for all The Connecticut Light & Power Company dba Eversource Energy ("Eversource") and The United Illuminating Company ("UI") commercial and industrial electric service customers ("Customer") who purchase and install a qualifying high efficiency heating and/or cooling system ("Equipment") on or after January 1, 2021 through December 31, 2021.	Download
MA	VRF SYSTEMS	The Sponsors of Mass Save® have connected with HVAC distributors in Massachusetts to offer high-efficiency commercial HVAC equipment to our customers. Our Upstream HVAC program covers several types of commercial air conditioning and heat pump units in various sizes, so you can find a system that's right for you. Eligible equipment criteria and instant discount incentives are listed below. By choosing a high-efficiency system, the average commercial customer can save up to \$2,600 in lifetime energy costs. Visit MassSave.com/CI-HVAC to find a distributor near you and start saving today. Note: Pre-approval may be required based on quantity of units purchased or incentives received.  1 Equipment capacity is AHRI rated capacity or capacity at AHRI rating conditions for units without an AHRI rating.  2 Heating efficiency applies only to heat pumps.  Instant discount is expected to be passed down to the end-use customer. Onsite verifications may be required.	https://www.masssave.c om/- /media/Files/PDFs/Busin ess/MA-HVAC-Customer- Incentive- Table.pdf?la=en&hash=E 2E94ABE201F05093CE35 9205E9847C40E537733
ME	VRF SYSTEMS	Variable refrigerant flow systems- heating program: With heat recovery \$6.00/sq. ft. retrofit; \$3.25/sq. ft. new construction Without heat recovery \$4.00/sq. ft. retrofit; \$2.75/sq. ft. new construction	https://www.efficiencym aine.com/at- work/variable- refrigerant-flow/

NY	VRF SYSTEMS	New qualifying equipment installed from 1/1/2021 to 12/31/2021 is eligible contingent upon availability of funds. New equipment must be installed at a property with an active electric account and address listed on this application. 1. Verify that the equipment you will be purchasing meets minimum eligibility requirements listed on this application. 2. Purchase the qualified equipment and have a participating contractor install it. 3. Submit completed application, invoice, Manual J/S or Standard 183 for all commercial buildings or applicable code approved alternatives.	https://www.nationalgrid us.com/media/pdfs/resi- ways-to-save/ee7255- uny-electric-heat-and- products-application.pdf
RI	VRF SYSTEMS	The program covers several types and sizes of commercial air conditioning and heat pump units, including VRF systems, ECM Pumps and Dual Enthalpy Economizers. Please see the next page for an overview of the high efficiency equipment this program works to make more readily available to customers. Qualifying equipment must be installed and operated at the eligible National Grid customer's premises in Massachusetts or Rhode Island.  Residential properties are not eligible for this program.	https://www.nationalgrid us.com/media/pdfs/bus- ways-to-save/ee7078-ci- upstream-hvac.pdf
VT	VRF SYSTEMS	Ducted and Ductless Heat pump programs for C&I projects.	https://www.efficiencyve rmont.com/rebates/list?c at=Heating%2C+Cooling+ %26+Ventilation&hvacfilt er=Heat+Pumps&type=B usiness
WV	VRF SYSTEMS	Dominion Energy Virginia's Non-Residential Heating and Cooling Efficiency Program provides rebates for upgrading existing HVAC equipment, as well as installing new energy efficient heating and cooling systems. including VRF systems. You must be a Dominion Energy Virginia non-residential customer who:  Is on a non-residential rate schedule other than those in customer classes GS-3 and GS-4 Is not exempt by statute or not under special contract Is responsible for the electric bill Is the owner of the facility or is reasonably able to secure permission to complete installation of measures	https://domsavings.com/ wp- content/uploads/2019/1 1/DE-HVAC-Measures- Chart-for-VANC-March- 2020.pdf

СТ	Microgrids	Connecticut Green Bank is partnering with the Connecticut Department of Energy and Environmental Protection (DEEP) to assist municipalities and developers with structuring successful applications and creating financing plans for their project.	https://energizect.com/y our-town/solutions- list/microgrid financing
DC	Microgrids	No Programs Available; However Pepco is currently involved in a Capital Grid Project for Grid Modernization for DC.	https://doee.dc.gov/servi ce/gridmodernization
DE	Microgrids	Delmarva Power does not have a specific program from Microgrids, However there are Smart Metering options for businesses that connect to the grid.	https://www.delmarva.c om/SmartEnergy/SmartG ridAndSmartMeter/Pages /SmartGrid101.aspx
MA	Microgrids	MassCEC Community microgrids Program: MassCEC seeks to catalyze the development of community microgrids where such infrastructure can provide a range of benefits to ratepayers, utilities, and society. To support those endeavors, MassCEC has taken several steps to grow the community microgrid market in the Commonwealth.	A. https://www.masscec.com/microgrids-0
MD	Microgrids	BGE, Pepco, Delmarva, and SMECO have started to roll out the first phase of what is planned to evolve into a "smart grid" throughout the state. The first phase is the installation of "smart meters" on homes and businesses, which allow for two-way communication between electric meters and the utility companies. As the installation of smart meters and the communication systems expands across the utility's service territory, the utilities will begin the second phase of the smart grid by offering programs and services that could assist their customers in saving energy and money.	https://www.psc.state.m d.us/electricity/maryland -smart-grid/
ME	Microgrids	Central Maine Power Company, as a result of the American Recovery and Reinvestment Act of 2009, will receive \$95.9 M in funding to develop a smart grid. Central Maine Power Company's (CMP) Advanced Metering Infrastructure (AMI) project consists of territory-wide deployments of more than 600,000 smart meters to all of its residential, commercial, and industrial customers.	https://openei.org/wiki/ Central Maine Power C ompany Smart Grid Pro ject

NY	Microgrids	To further the research and development of a smarter grid, NYSERDA has provided funding for these related smart grid opportunities: Distributed Energy Resource Integration, High Performing Grid, and Future Grid.	https://www.nyserda.ny. gov/All- Programs/Programs/Sma rt-Grid-Program
VT	Microgrids	A)No Programs Available; The state of Vermont, Department of Public Service had issues Smart Grid Investment Grant in 2009. Vermont's electric utilities were awarded approximately \$69 million in American Recovery and Reinvestment Act of 2009 (ARRA) funds through Smart Grid Investment Grants (SGIGs) to deploy smart grid technology. B) Efficiency Vermont and Sense have launched a pilot program with more than 200 Vermont households to assess how an innovative smart home technology can inspire people to use less energy and make their homes more efficient.	A) https://publicservice.ver mont.gov/electric/smart _grid B) https://www.efficiencyve rmont.com/news- blog/news/efficiency- vermont-and-sense- conduct-pilot-study-of- advanced-home-energy- monitoring
WV	Microgrids	No Programs Available; Energy Transition Initiative by university of Virginia	https://energytransition. coopercenter.org/sites/cl eanenergyva/files/2021- 02/Developing%20a%20S mart%20Grid%20for%20 Virginia 0.pdf
DE	AMI	Delmarva Power provides Smart Grid & Smart Meter solutions that allow residential and commercial customers to obtain detailed energy use information, outage detection, fewer estimated energy bills, and environmental benefits	https://www.delmarva.c om/SmartEnergy/SmartG ridAndSmartMeter/Pages /SmartMeters.aspx
MD	AMI	Pepco provides Smart Grid & Smart Meter solutions that allow residential and commercial customers to obtain detailed energy use information, outage detection, fewer estimated energy bills, and environmental benefits	https://www.pepco.com/ SmartEnergy/SmartMete rSmartGrid/Pages/Smart Meters.aspx

ME	АМІ	Central Maine Power Company, as a result of the American Recovery and Reinvestment Act of 2009, will receive \$95.9 M in funding to develop a smart grid. Central Maine Power Company's (CMP) Advanced Metering Infrastructure (AMI) project offers DR savings.	https://www.cmpco.com /wps/portal/cmp/smarte nergy/innovation/smart meters/!ut/p/z0/fc2xCsI wGATgZ3HoKH- 0QXQsRStiRAcl_kuJNaZR m7RpqPbtrSLUyfG4jztA4I BGNFoJr60R9y4fcZKGIzZf 0phspozOyI6G632SHMhi S2AF-B90C_paVRgBZtZ4- fTAs6IUyqX9U0ByKc7SBa QuhPPSSKfagGhjbPMFn6 KQXrr6vTl2LGYKsBQ- H2pzscB7DfxXlzc8tY9o8A IbqsPO/
NJ	АМІ	PSE&G Will Replace Existing Electric Meters With Smart Meters Throughout Our Electric Service Territory In 2021, PSE&G will build the communication network that will support smart meters and replace about 80,000 existing electric meters. Between 2022 and the end of 2024, we will replace hundreds of thousands of existing meters in our electric service territory with new smart meters.	https://nj.myaccount.pse g.com/myservicepublic/s martmeters
NY	АМІ	Track how you use energy at different times. See consumption in monthly, daily, and in near-real time. Track peak usage. Receive customized energy efficiency program enrollment opportunities and recommendations to help you save. View weather and temperature trends. Complete your site profile for customized energy-efficiency recommendations and program information that can help you save.	https://www.coned.com/ en/our-energy- future/technology- innovation/smart-meters

PA	AMI	PECO Energy has largely completed their smart meter installations. Act 129 of 2008 amended Section 2807 of the Public Utility Code by adding a requirement for electric distribution companies (EDCs) with greater than 100,000 customers to submit, for PUC approval, a smart meter technology procurement and installation plan. 66 Pa. C.S. 2807(f). All seven EDCs that were required to install smart meters have approved smart meter plans.	A)https://www.puc.pa.go v/filing-resources/issues- laws-regulations/act- 129/smart-meter- technology- procurement-and- installation/. B)https://www.firstenerg ycorp.com/help/smart- meters.html
VT	AMI	Five of Vermont's electric distribution utilities are leveraging Smart Grid Investment Grant (SGIG) dollars, and are currently in the deployment phase of their Advanced Meter Infrastructure Plans by installing smart meters for their customers.	https://publicservice.ver mont.gov/electric/amipla ns
WV	AMI	Appalachian Power provides community projects and plans with regards to Smart Metering. Appalachian Power is installing new digital meters, better known as smart meters, throughout the company's Virginia, West Virginia and Tennessee service area. Nearly half of Appalachian Power customers have the new meters now, and remaining customers are scheduled to receive new meters over the next two years.	https://www.appalachian power.com/community/ projects/smart-meters