

Maryland Energy Administration

MISSION

The mission of the Maryland Energy Administration is to promote affordable, reliable and cleaner energy for the wellbeing of all Marylanders.

VISION

For all Maryland entities to have access to and benefit from affordable, clean, reliable, and resilient energy.

KEY GOALS, OBJECTIVES, AND PERFORMANCE MEASURES

Goal 1. Increase Maryland's energy efficiency and energy conservation.

Obj. 1.1 Reduce per capita peak electricity demand and electricity consumption.

Performance Measures	2013 Act.	2014 Act.	2015 Act.	2016 Est.	2017 Est.	2018 Est.	2019 Est.
Cumulative change in per capita peak demand compared to the 2007 baseline (0.0026 kW)	-0.3742	-0.4887	-0.1925	-0.4877	-0.4752	-0.4661	-0.4630
Cumulative percent change in per capita peak demand compared to the 2007 baseline (0.0026 kW)	-14.64%	-19.11%	-7.53%	-19.08%	-18.59%	-18.23%	-18.11%
Cumulative change in per capita electricity consumption compared to the 2007 baseline (12.3773 MWH)	1.25	1.46	1.41	2.02	2.08	2.14	2.20
Cumulative percent change in per capita electricity consumption compared to the 2007 baseline (12.3773 MWH)	-10.08%	-11.82%	-11.43%	-16.34%	-16.82%	-17.29%	-17.81%
Avoided electricity costs (\$ millions)	815	962	935	1,338	1,386	1,432	1,482

Obj. 1.2 Implement energy efficiency grant programs to help Maryland residents reduce energy usage and lower energy bills.

Performance Measures	2013 Act.	2014 Act.	2015 Act.	2016 Act.	2017 Est.	2018 Est.	2019 Est.
Annual energy savings (million British Thermal Units-MMBTU) from energy efficiency grant programs that benefit low-to-moderate income Maryland residents	N/A	N/A	33,253	35,069	36,084	17,709	N/A
Annual energy savings (MMBTU) from all other energy efficiency grant programs	N/A	N/A	56,272	450,541	549,086	744,511	N/A

Goal 2. State agencies will reduce energy consumption.

Obj. 2.1 Fund projects through the State Agency Loan Program (SALP) that will provide at least \$92,300 of savings in energy-related expenditures each year, over the life of the project.

Performance Measures	2013 Act.	2014 Act.	2015 Act.	2016 Act.	2017 Act.	2018 Est.	2019 Est.
Annual savings from SALP projects (\$)	178,500	167,913	74,536	301,987	319,498	130,769	92,308
Annual energy savings (MMBTUs)	6,094	8,434	3,774	10,916	12,933	4,056	2,863

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Goal 3. Local governments, non-profits and businesses will improve their energy efficiency.

Obj. 3.1 Provide loans through the Jane E. Lawton Conservation Loan Program that will result in \$85,000 in energy cost savings annually, over the life of the project.

Performance Measures	2013 Act.	2014 Act.	2015 Act.	2016 Act.	2017 Act.	2018 Est.	2019 Est.
Annual energy savings from Jane Lawton projects (\$)	252,517	49,738	297,558	160,803	12,950	151,662	151,662
Annual energy savings (MMBTUs)	15,024	1,793	6,193	22,731	348	4,075	4,075

Goal 4. Increase electricity generation fuel diversity through the increased use of in-state renewable energy.

Obj. 4.1 In support of the State's Renewable Portfolio Standard (RPS), increase the in-state generation of clean, renewable energy by six million megawatt-hours (MWH) by 2020 through grants, tax credits, education, and outreach.

Performance Measures	2013 Act.	2014 Act.	2015 Act.	2016 Act.	2017 Est.	2018 Est.	2019 Est.
Megawatt hours (MWh) of commercial-scale renewable energy generated in-state (millions)	3.079	3.066	3.132	3.195	3.888	4.000	4.017
Megawatt hours (MWh) of residential and small commercial renewable energy generated in-state	47,582	72,563	148,655	296,938	436,612	475,706	514,801

Obj. 4.2 Implement energy programs that encourage in-state renewable energy resources.

Performance Measures	2013 Act.	2014 Act.	2015 Act.	2016 Act.	2017 Est.	2018 Est.	2019 Est.
Number of awards issued to Maryland residents, businesses, and local governments to incentivize in-state renewable energy	N/A	N/A	3,053	2,994	2,524	1,985	N/A
Solar photovoltaic technology incentivized (kW)	N/A	N/A	20,894	16,678	19,596	15,414	N/A
Tons of geothermal/ground source heat pump capacity installed in Maryland incentivized by MEA programs	N/A	N/A	2,731	2,436	1,783	1,403	N/A
Biomass (wood and pellet) stove capacity installed in Maryland incentivized by MEA programs (millions BTU/hr)	N/A	N/A	49.110	35.500	23.160	18.000	N/A
Wind capacity installed incentivized by MEA programs (kW)	N/A	N/A	0	9	0	0	N/A
Solar thermal capacity incentivized by MEA programs (in square feet)	N/A	N/A	35,190	3,990	3,990	3,139	N/A

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Goal 5. Diversify Maryland's transportation network by encouraging the utilization of electric vehicles.

Obj. 5.1 Achieve 60,000 electric vehicle registrations by 2020 through incentives, marketing, and education.

Performance Measures	2013 Act.	2014 Act.	2015 Act.	2016 Act.	2017 Act.	2018 Est.	2019 Est.
Total number of Electric Vehicles (EV) registered in state	1,567	2,296	3,069	6,788	9,369	11,359	13,348
Total number of Hybrids registered in state	99,953	77,454	79,513	82,598	87,415	90,712	94,009
Public electric vehicle charging outlets	362	593	631	922	1,134	1,394	1,715
Gallons of petroleum displacement (millions) attributable to EVs	0.51	0.75	1.00	2.57	3.55	4.04	4.75