

# 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	2015 Act.	2016 Act.	2017 Act.	2018 Act.	2019 Est.	2020 Est.	2021 Est.
Cumulative change in per capita peak demand (kW/person) compared to the 2007 baseline (0.0026 MW/person)	-0.1925	-0.1688	-0.3467	-0.3367	-0.3367	-0.3367	-0.3367
Cumulative percent change in per capita peak demand compared to the 2007 baseline (0.0026 MW/person)	-7.53%	-6.60%	-13.56%	-13.17%	-13.17%	-13.17%	-13.17%
Cumulative change in per capita electricity consumption compared to the 2007 baseline (12.3773 MWH)	-1.41	-1.63	-1.85	-1.70	-1.81	-1.94	-2.07
Cumulative percent change in per capita electricity consumption compared to the 2007 baseline (12.3773 MWH)	-11.43%	-13.19%	-14.92%	-13.71%	-14.65%	-15.64%	-16.71%
Avoided electricity costs (\$ millions)	935	1,079	1,224	1,128	1,213	1,311	1,407

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

Performance Measures	2015 Act.	2016 Act.	2017 Act.	2018 Act.	2019 Act.	2020 Est.	2021 Est.
Annual energy savings (million British Thermal Units-MMBTU) from energy efficiency grant programs that benefit low-to-moderate income Maryland residents	32,945	42,710	35,761	10,778	17,880	12,500	23,200
Annual energy savings (MMBTU) from all other energy efficiency grant programs	37,630	234,792	312,751	168,843	139,531	230,000	159,500

### Goal 2. Local governments, non-profits, State agencies and businesses will improve their energy efficiency.

Obj. 2.1 Provide loans through the Jane E. Lawton Conservation Loan Program that will result in \$157,000 in energy cost savings annually, over the life of the project.

Performance Measures	2015 Act.	2016 Act.	2017 Act.	2018 Act.	2019 Act.	2020 Est.	2021 Est.
Annual energy savings from Jane Lawton projects (\$)	297,558	160,803	12,950	197,760	378,156	157,690	157,690
Annual energy savings (MMBTUs)	6,193	22,731	348	8,104	6,549	5,420	5,420

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## Goal 3. Increase electricity generation fuel diversity through the increased use of in-state renewable energy.

**Obj. 3.1** 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.

<b>Performance Measures</b>	<b>2015 Act.</b>	<b>2016 Act.</b>	<b>2017 Act.</b>	<b>2018 Act.</b>	<b>2019 Est.</b>	<b>2020 Est.</b>	<b>2021 Est.</b>
Megawatt hours (MWh) of commercial-scale renewable energy generated in-state (millions)	3,132	3,195	3,877	4,887	3,976	4,004	4,088
Megawatt hours (MWh) of residential and small commercial renewable energy generated in-state	148,655	296,938	462,948	506,432	581,432	690,632	799,832

**Obj. 3.2** Implement energy programs that encourage in-state renewable energy resources.

<b>Performance Measures</b>	<b>2015 Act.</b>	<b>2016 Act.</b>	<b>2017 Act.</b>	<b>2018 Act.</b>	<b>2019 Act.</b>	<b>2020 Est.</b>	<b>2021 Est.</b>
Number of awards issued to Maryland residents, businesses, and local governments to incentivize in-state renewable energy	3,053	2,939	2,519	2,702	3,045	2,630	3,600
Solar photovoltaic technology incentivized (kW)	19,810	14,919	17,595	26,847	38,555	31,000	38,000
Tons of geothermal/ground source heat pump capacity installed in Maryland incentivized by MEA programs	2,731	2,451	1,783	601	909	730	1,000
Biomass (wood and pellet) stove capacity installed in Maryland incentivized by MEA programs (millions BTU/hr)	49,110	35,300	23,160	21,733	19,300	14,200	14,200
Wind capacity installed incentivized by MEA programs (kW)	0	9	0	0	0	0	0
Solar thermal capacity incentivized by MEA programs (in square feet)	35,190	3,882	3,990	2,686	141	110	150

## Goal 4. Diversify Maryland's transportation network by encouraging the utilization of electric vehicles.

**Obj. 4.1** Achieve 60,000 electric vehicle registrations by 2020 through incentives, marketing, and education.

<b>Performance Measures</b>	<b>2015 Act.</b>	<b>2016 Act.</b>	<b>2017 Act.</b>	<b>2018 Act.</b>	<b>2019 Act.</b>	<b>2020 Est.</b>	<b>2021 Est.</b>
Total number of Electric Vehicles (EV) registered in state	5,464	6,788	9,369	13,207	20,722	32,119	49,785
Total number of Hybrids registered in state	79,513	82,598	87,415	91,267	96,334	101,151	106,208
Public electric vehicle charging outlets	631	922	1,134	1,325	1,864	2,423	3,150
Gallons of petroleum displacement (millions) attributable to EVs	1.79	2.57	3.55	4.68	7.12	9.61	12.97

## NOTES

<sup>1</sup> Due to the merger of the State Agency Loan Program (SALP) into the Jane E. Lawton Conservation Loan Program, SALP-related savings are reported in the 2019 data.

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### Summary of Maryland Energy Administration

	<b>2019 Actual</b>	<b>2020 Appropriation</b>	<b>2021 Allowance</b>
Number of Authorized Positions	28.00	28.00	30.00
Number of Contractual Positions	7.74	10.00	11.00
Salaries, Wages and Fringe Benefits	3,188,209	3,370,152	3,563,481
Technical and Special Fees	570,998	548,453	664,192
Operating Expenses	29,472,257	37,742,679	45,513,178
Special Fund Expenditure	32,024,319	37,134,845	48,547,908
Federal Fund Expenditure	1,073,034	4,374,806	1,042,656
Reimbursable Fund Expenditure	134,111	151,633	150,287
Total Expenditure	<u>33,231,464</u>	<u>41,661,284</u>	<u>49,740,851</u>

# Maryland Energy Administration

## D13A13.01 General Administration

### Program Description

The Maryland Energy Administration (MEA) advises the Governor on issues, policies and changes in the various segments of the energy market. MEA prepares the State to respond to changing dynamics of the energy industry. This program provides administrative support for MEA programs, including review of utility electricity efficiency and demand reduction programs.

Appropriation Statement	2019 Actual	2020 Appropriation	2021 Allowance
Number of Authorized Positions	28.00	28.00	30.00
Number of Contractual Positions	7.74	10.00	11.00
<b>01 Salaries, Wages and Fringe Benefits</b>	<b>3,188,209</b>	<b>3,370,152</b>	<b>3,563,481</b>
<b>02 Technical and Special Fees</b>	<b>570,998</b>	<b>548,453</b>	<b>664,192</b>
<b>03 Communications</b>	<b>41,866</b>	<b>44,538</b>	<b>44,336</b>
<b>04 Travel</b>	<b>139,168</b>	<b>227,160</b>	<b>223,190</b>
<b>07 Motor Vehicle Operation and Maintenance</b>	<b>4,306</b>	<b>1,630</b>	<b>2,406</b>
<b>08 Contractual Services</b>	<b>665,770</b>	<b>1,115,045</b>	<b>1,164,905</b>
<b>09 Supplies and Materials</b>	<b>34,005</b>	<b>22,500</b>	<b>15,000</b>
<b>10 Equipment - Replacement</b>	<b>21,310</b>	<b>18,336</b>	<b>10,050</b>
<b>11 Equipment - Additional</b>	<b>5,311</b>	<b>10,128</b>	<b>8,500</b>
<b>12 Grants, Subsidies, and Contributions</b>	<b>35,794</b>	<b>40,000</b>	<b>45,000</b>
<b>13 Fixed Charges</b>	<b>119,030</b>	<b>298,946</b>	<b>322,041</b>
Total Operating Expenses	<u>1,066,560</u>	<u>1,778,283</u>	<u>1,835,428</u>
Total Expenditure	<u>4,825,767</u>	<u>5,696,888</u>	<u>6,063,101</u>
Special Fund Expenditure	3,750,302	4,596,595	4,928,187
Federal Fund Expenditure	941,354	948,660	984,627
Reimbursable Fund Expenditure	134,111	151,633	150,287
Total Expenditure	<u>4,825,767</u>	<u>5,696,888</u>	<u>6,063,101</u>
<b>Special Fund Expenditure</b>			
D13301 The Jane E. Lawton Conservation Loan Program	0	10,000	10,000
D13302 Energy Overcharge Restitution Trust Fund (EORTF)	0	225,000	225,000
D13304 State Agency Loan Program (SALP)	0	10,000	10,000
SWF316 Strategic Energy Investment Fund - RGGI	3,624,176	4,193,932	4,472,787
SWF330 Strategic Energy Investment Fund - Other	126,126	157,663	210,400
Total	<u>3,750,302</u>	<u>4,596,595</u>	<u>4,928,187</u>
<b>Federal Fund Expenditure</b>			
81.041 State Energy Program	891,354	897,195	930,971
81.086 Conservation Research and Development	40,000	41,173	42,938
81.090 State Heating Oil and Propane Program	10,000	10,292	10,718
Total	<u>941,354</u>	<u>948,660</u>	<u>984,627</u>
<b>Reimbursable Fund Expenditure</b>			
K00A01 Department of Natural Resources	134,111	151,633	150,287
Total	<u>134,111</u>	<u>151,633</u>	<u>150,287</u>

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### D13A13.02 The Jane E. Lawton Conservation Loan Program

**Program Description**

The Jane E. Lawton Conservation Loan Program is a self-sustaining program which provides financial assistance in the form of loans to schools, businesses, state agencies, local governments, and non-profit organizations. Loans made through these programs are for the purpose of making energy conservation improvements.

<b>Appropriation Statement</b>	<b>2019 Actual</b>	<b>2020 Appropriation</b>	<b>2021 Allowance</b>
14 Land and Structures	0	850,000	2,050,000
Total Operating Expenses	<u>0</u>	<u>850,000</u>	<u>2,050,000</u>
Total Expenditure	<u><u>0</u></u>	<u><u>850,000</u></u>	<u><u>2,050,000</u></u>
Special Fund Expenditure	<u>0</u>	<u>850,000</u>	<u>2,050,000</u>
Total Expenditure	<u><u>0</u></u>	<u><u>850,000</u></u>	<u><u>2,050,000</u></u>
<b>Special Fund Expenditure</b>			
D13301 The Jane E. Lawton Conservation Loan Program	<u>0</u>	<u>850,000</u>	<u>2,050,000</u>
Total	<u><u>0</u></u>	<u><u>850,000</u></u>	<u><u>2,050,000</u></u>

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### D13A13.03 State Agency Loan Program

#### Program Description

The State Agency Loan Program (SALP) is a self-sustaining program which provides financial assistance in the form of loans to state agencies. Loans made through these programs are for the purpose of making energy conservation improvements. Effective June 1, 2019, this program was merged with the Jane E. Lawton Conservation Loan Program.

<b>Appropriation Statement</b>	<b>2019 Actual</b>	<b>2020 Appropriation</b>	<b>2021 Allowance</b>
14 Land and Structures	1,200,000	1,200,000	0
Total Operating Expenses	<u>1,200,000</u>	<u>1,200,000</u>	<u>0</u>
Total Expenditure	<u><u>1,200,000</u></u>	<u><u>1,200,000</u></u>	<u><u>0</u></u>
Special Fund Expenditure	<u>1,200,000</u>	<u>1,200,000</u>	<u>0</u>
Total Expenditure	<u><u>1,200,000</u></u>	<u><u>1,200,000</u></u>	<u><u>0</u></u>
<b>Special Fund Expenditure</b>			
D13304 State Agency Loan Program (SALP)	<u>1,200,000</u>	<u>1,200,000</u>	<u>0</u>
Total	<u><u>1,200,000</u></u>	<u><u>1,200,000</u></u>	<u><u>0</u></u>

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### D13A13.06 Energy Efficiency and Conservation Programs, Low and Moderate Income Residential Sector

#### Program Description

Funding in this program is used for energy efficiency and conservation programs, projects, or activities, and demand response programs targeted to the low income residential sector at no cost to the participants and the moderate income residential sector with minimal cost to the participants.

<b>Appropriation Statement</b>	<b>2019 Actual</b>	<b>2020 Appropriation</b>	<b>2021 Allowance</b>
08 Contractual Services	198,768	200,000	200,000
12 Grants, Subsidies, and Contributions	4,798,821	3,300,000	6,500,000
Total Operating Expenses	<u>4,997,589</u>	<u>3,500,000</u>	<u>6,700,000</u>
Total Expenditure	<u>4,997,589</u>	<u>3,500,000</u>	<u>6,700,000</u>
Special Fund Expenditure	<u>4,997,589</u>	<u>3,500,000</u>	<u>6,700,000</u>
Total Expenditure	<u>4,997,589</u>	<u>3,500,000</u>	<u>6,700,000</u>
<b>Special Fund Expenditure</b>			
SWF316 Strategic Energy Investment Fund - RGGI	<u>4,997,589</u>	<u>3,500,000</u>	<u>6,700,000</u>
Total	<u>4,997,589</u>	<u>3,500,000</u>	<u>6,700,000</u>

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### D13A13.07 Energy Efficiency and Conservation Programs, All Other Sectors

#### Program Description

Funding in this program is used for energy efficiency and conservation programs, projects, or activities, and demand response programs.

<b>Appropriation Statement</b>	<b>2019 Actual</b>	<b>2020 Appropriation</b>	<b>2021 Allowance</b>
08 Contractual Services	91,754	285,000	180,000
12 Grants, Subsidies, and Contributions	5,729,389	9,929,396	4,878,029
Total Operating Expenses	<u>5,821,143</u>	<u>10,214,396</u>	<u>5,058,029</u>
Total Expenditure	<u><u>5,821,143</u></u>	<u><u>10,214,396</u></u>	<u><u>5,058,029</u></u>
Special Fund Expenditure	5,689,463	6,788,250	5,000,000
Federal Fund Expenditure	131,680	3,426,146	58,029
Total Expenditure	<u><u>5,821,143</u></u>	<u><u>10,214,396</u></u>	<u><u>5,058,029</u></u>
<b>Special Fund Expenditure</b>			
SWF316 Strategic Energy Investment Fund - RGGI	1,207,477	3,300,000	5,000,000
SWF330 Strategic Energy Investment Fund - Other	4,481,986	3,488,250	0
Total	<u>5,689,463</u>	<u>6,788,250</u>	<u>5,000,000</u>
<b>Federal Fund Expenditure</b>			
81.041 State Energy Program	0	3,200,000	0
81.119 State Energy Program Special Projects	131,680	226,146	58,029
Total	<u>131,680</u>	<u>3,426,146</u>	<u>58,029</u>



## Maryland Energy Administration

### D13A13.08 Renewable and Clean Energy Programs and Initiatives

#### Program Description

Funding in the program is used for renewable and clean energy initiatives, energy-related public education and outreach, and climate change programs.

Appropriation Statement	2019 Actual	2020 Appropriation	2021 Allowance
04 Travel	489	0	0
08 Contractual Services	205,554	885,000	1,335,000
09 Supplies and Materials	13,267	0	0
12 Grants, Subsidies, and Contributions	16,157,355	19,315,000	28,534,721
13 Fixed Charges	10,300	0	0
Total Operating Expenses	<u>16,386,965</u>	<u>20,200,000</u>	<u>29,869,721</u>
Total Expenditure	<u><u>16,386,965</u></u>	<u><u>20,200,000</u></u>	<u><u>29,869,721</u></u>
Special Fund Expenditure	<u>16,386,965</u>	<u>20,200,000</u>	<u>29,869,721</u>
Total Expenditure	<u><u>16,386,965</u></u>	<u><u>20,200,000</u></u>	<u><u>29,869,721</u></u>
<b>Special Fund Expenditure</b>			
D13349 Offshore Wind Business Development Fund	1,130,000	3,000,000	3,750,000
SWF316 Strategic Energy Investment Fund - RGGI	2,273,341	4,015,000	9,050,000
SWF330 Strategic Energy Investment Fund - Other	12,983,624	13,185,000	17,069,721
Total	<u>16,386,965</u>	<u>20,200,000</u>	<u>29,869,721</u>

### 3 Year Position Summary

Classification Title	FY 2019 Positions	FY 2019 Expenditures	FY 2020 Positions	FY 2020 Appropriation	FY 2021 Positions	FY 2021 Allowance
<b>D13 - Maryland Energy Administration</b>						
<b>D13A1301 - General Administration</b>						
Admin Officer III	1.00	57,185	1.00	59,710	0.00	0
Administrator I	0.00	0	0.00	0	1.00	63,711
Administrator II	4.00	170,418	2.00	119,441	4.00	245,150
Administrator III	4.00	274,189	5.00	357,495	4.00	266,371
Administrator IV	2.00	136,030	3.00	232,736	5.00	402,670
Administrator V	5.00	420,124	5.00	461,755	5.00	465,187
Asst Attorney General VI	3.00	275,073	3.00	287,216	3.00	287,216
Asst Attorney General VIII	1.00	115,041	1.00	120,119	1.00	120,119
Exec Aide I	1.00	88,714	1.00	92,630	0.00	0
Exec Aide III	1.00	111,617	1.00	105,449	2.00	203,185
Exec Aide V	4.00	405,565	4.00	465,438	4.00	470,448
Exec Aide VIII	1.00	142,992	1.00	149,309	1.00	148,559
Spec Asst III Exec Dept	1.00	67,961	1.00	71,418	0.00	0
<b>Total D13A1301</b>	<b>28.00</b>	<b>2,264,909</b>	<b>28.00</b>	<b>2,522,716</b>	<b>30.00</b>	<b>2,672,616</b>