

# Maryland Energy Administration

## MISSION

The mission of the Maryland Energy Administration (MEA) is to promote affordable, reliable and cleaner energy for the well-being 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	2018 Act.	2019 Act.	2020 Act.	2021 Act.	2022 Est.	2023 Est.	2024 Est.
Cumulative change in per capita peak demand (kW/person) compared to the 2007 baseline (2.556 kW/person)	-0.3367	-0.0567	-0.0667	-0.1367	-0.0617	-0.0617	-0.0617
Cumulative percent change in per capita peak demand compared to the 2007 baseline (2.556 kW/person)	-13.17%	-2.22%	-2.61%	-5.35%	-2.42%	-2.41%	-2.41%
Cumulative change in per capita electricity consumption compared to the 2007 baseline (12.3773 MWH)	-1.70	-1.89	-2.11	-2.36	-2.56	-2.75	-2.76
Cumulative percent change in per capita electricity consumption compared to the 2007 baseline (12.3773 MWH)	-13.73%	-15.25%	-17.03%	-19.05%	-20.66%	-22.25%	-22.28%
Avoided electricity costs (\$ millions)	1,128	1,255	1,431	1,602	1,738	1,871	1,874

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

Performance Measures	2018 Act.	2019 Act.	2020 Act.	2021 Act.	2022 Act.	2023 Est.	2024 Est.
<sup>1</sup> Annual energy savings (million British Thermal Units-MMBTU) from energy efficiency grant programs that benefit low-to-moderate income Maryland residents	14,682	14,710	15,800	19,238	42,987	46,900	58,445
Dollars awarded for energy efficiency grant programs that benefit low-to-moderate income Maryland residents (\$ millions)	N/A	N/A	N/A	N/A	14.3	16.5	19.5
<sup>2</sup> Annual energy savings (MMBTU) from all other energy efficiency grant programs	168,843	139,531	259,815	300,687	70,145	283,000	446,000
Dollars awarded for all other energy efficiency grant programs (\$ millions)	N/A	N/A	N/A	N/A	6.2	16.3	29.8

# Maryland Energy Administration

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

Obj. 2.1 Provide loans through the Lawton Program for cost effective projects that will result in energy savings.

Performance Measures	2018 Act.	2019 Act.	2020 Act.	2021 Act.	2022 Act.	2023 Est.	2024 Est.
<sup>3</sup> Annual energy savings from Jane Lawton projects (\$)	197,760	278,524	217,229	175,530	932,102	217,000	740,000
<sup>3</sup> Annual energy savings (MMBTUs)	8,104	3,029	4,865	2,365	27,649	4,500	15,800

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

Obj. 3.1 Support further increases in in-state generation of clean and renewable energy through grants, tax credits, and outreach.

Performance Measures	2018 Act.	2019 Act.	2020 Act.	2021 Act.	2022 Est.	2023 Est.	2024 Est.
Total megawatt hours (MWh) of in-state renewable energy generation	5,168	4,558	4,206	4,716	4,817	5,157	5,646
In-state Renewable Energy Generation by Type							
Solar	1,246	1,459	1,619	1,699	1,797	2,137	2,434
Utility-Scale Solar	397	494	604	663	663	897	956
Small-Scale PV	849	965	1,015	1,036	1,134	1,240	1,478
Geothermal	0	0	0	0	0	0	0
Hydro	2,831	2,188	1,701	2,120	2,120	2,120	2,120
Wind	570	520	546	517	520	520	712
Other	521	391	340	380	380	380	380

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

Performance Measures	2018 Act.	2019 Act.	2020 Act.	2021 Act.	2022 Act.	2023 Est.	2024 Est.
Number of awards issued to Maryland residents, businesses, and local governments to incentivize in-state renewable energy	2,702	3,045	2,913	2,831	4,392	4,140	4,830
Solar photovoltaic technology incentivized (kW)	26,847	38,555	32,645	44,019	67,026	107,700	137,200
Dollars awarded for solar photovoltaic technology (\$ millions)	N/A	N/A	N/A	N/A	11.2	18.1	23.0
Tons of geothermal/ground source heat pump capacity installed in Maryland incentivized by MEA programs	601	909	1,171	879	787	1,210	1,550
Dollars awarded for geothermal heat pumps (\$)	N/A	N/A	N/A	N/A	491,000	760,000	968,000
Biomass (wood and pellet) stove capacity installed in Maryland incentivized by MEA programs (millions BTU/hr)	22	19,300	15,190	8,218	10,773	13,086	16,668
Dollars awarded for biomass stoves (\$)	N/A	N/A	N/A	N/A	156,400	84,000	242,000

# Maryland Energy Administration

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

Obj. 4.1 Assist the State in achieving 300,000 zero emission vehicle registrations by 2025 through incentives, marketing, and education.

Performance Measures	2018 Act.	2019 Act.	2020 Act.	2021 Act.	2022 Act.	2023 Est.	2024 Est.
Total Zero Emission Vehicles (ZEV) registered in Maryland	13,207	20,722	25,742	34,841	51,604	68,900	84,599
Number of fleet ZEVs incentivized by MEA	N/A	N/A	N/A	N/A	33	63	54
Dollars awarded for fleet ZEVs (\$ millions)	N/A	N/A	N/A	N/A	3.1	6.5	5.5
Total public electric vehicle charging stations in Maryland	1,325	1,864	2,207	2,769	3,390	4,400	6,000
Electric vehicle charging stations incentivized by MEA	626	1,050	1,135	1,949	2,004	1,900	2,950
Funding provided for EV charging stations incentivized by MEA (\$ millions)	N/A	N/A	N/A	N/A	1.8	1.8	2.8
Hydrogen fueling stations in Maryland	0	0	0	0	0	0	0
Gallons of petroleum displacement attributable to ZEVs (millions)	4.68	7.12	9.68	13.27	20.02	26.73	33.17
Estimated pounds of CO2 equivalent reductions attributable to ZEVs (millions)	N/A	N/A	N/A	273	388	518	643

### NOTES

<sup>1</sup> Data for 2020, 2021, and 2022 are estimated.

<sup>2</sup> Data for 2019, 2020, 2021, and 2022 are estimated.

<sup>3</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.

# Maryland Energy Administration

## Summary of Maryland Energy Administration

	<b>2022 Actual</b>	<b>2023 Appropriation</b>	<b>2024 Allowance</b>
Number of Authorized Positions	30.00	31.00	41.00
Number of Contractual Positions	7.00	10.00	16.00
Salaries, Wages and Fringe Benefits	4,133,613	4,466,206	5,693,667
Technical and Special Fees	618,484	751,158	1,204,982
Operating Expenses	65,532,036	128,553,103	160,625,986
Special Fund Expenditure	69,122,383	132,342,526	165,938,316
Federal Fund Expenditure	1,011,317	1,250,333	1,388,336
Reimbursable Fund Expenditure	150,433	177,608	197,983
Total Expenditure	<u>70,284,133</u>	<u>133,770,467</u>	<u>167,524,635</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	2022 Actual	2023 Appropriation	2024 Allowance
Number of Authorized Positions	30.00	31.00	41.00
Number of Contractual Positions	7.00	10.00	16.00
<b>01 Salaries, Wages and Fringe Benefits</b>	<u>4,133,613</u>	<u>4,466,206</u>	<u>5,693,667</u>
<b>02 Technical and Special Fees</b>	<u>618,484</u>	<u>751,158</u>	<u>1,204,982</u>
<b>03 Communications</b>	33,903	31,900	41,900
<b>04 Travel</b>	75,887	106,370	78,000
<b>07 Motor Vehicle Operation and Maintenance</b>	180	1,880	180
<b>08 Contractual Services</b>	697,684	756,289	946,007
<b>09 Supplies and Materials</b>	10,207	5,000	10,000
<b>10 Equipment - Replacement</b>	17,782	28,750	37,500
<b>11 Equipment - Additional</b>	32,262	7,000	7,000
<b>12 Grants, Subsidies, and Contributions</b>	35,061	45,000	0
<b>13 Fixed Charges</b>	<u>344,902</u>	<u>345,914</u>	<u>380,399</u>
Total Operating Expenses	<u>1,247,868</u>	<u>1,328,103</u>	<u>1,500,986</u>
Total Expenditure	<u>5,999,965</u>	<u>6,545,467</u>	<u>8,399,635</u>
Special Fund Expenditure	4,838,215	5,117,526	6,813,316
Federal Fund Expenditure	1,011,317	1,250,333	1,388,336
Reimbursable Fund Expenditure	<u>150,433</u>	<u>177,608</u>	<u>197,983</u>
Total Expenditure	<u>5,999,965</u>	<u>6,545,467</u>	<u>8,399,635</u>
<b>Special Fund Expenditure</b>			
D13301 The Jane E. Lawton Conservation Loan Program	20,189	21,103	22,289
SWF316 Strategic Energy Investment Fund - RGGI	4,664,134	5,096,423	6,504,942
SWF330 Strategic Energy Investment Fund - Other	<u>153,892</u>	<u>0</u>	<u>286,085</u>
Total	<u>4,838,215</u>	<u>5,117,526</u>	<u>6,813,316</u>
<b>Federal Fund Expenditure</b>			
81.041 State Energy Program	991,559	1,165,400	1,297,369
81.086 Conservation Research and Development	9,783	74,178	80,298
81.090 State Heating Oil and Propane Program	<u>9,975</u>	<u>10,755</u>	<u>10,669</u>
Total	<u>1,011,317</u>	<u>1,250,333</u>	<u>1,388,336</u>
<b>Reimbursable Fund Expenditure</b>			
K00A01 Department of Natural Resources	<u>150,433</u>	<u>177,608</u>	<u>197,983</u>

# Maryland Energy Administration

## 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.

### Appropriation Statement

	2022 Actual	2023 Appropriation	2024 Allowance
14 Land and Structures	1,186,007	1,750,000	4,200,000
Total Operating Expenses	1,186,007	1,750,000	4,200,000
Total Expenditure	1,186,007	1,750,000	4,200,000
Special Fund Expenditure	1,186,007	1,750,000	4,200,000
Total Expenditure	1,186,007	1,750,000	4,200,000

### Special Fund Expenditure

D13301 The Jane E. Lawton Conservation Loan Program	1,186,007	1,750,000	4,200,000
---	-----------	-----------	-----------

# Maryland Energy Administration

## 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>2022 Actual</b>	<b>2023 Appropriation</b>	<b>2024 Allowance</b>
08	Contractual Services	249,973	700,000	500,000
12	Grants, Subsidies, and Contributions	15,392,199	19,300,000	19,500,000
	Total Operating Expenses	<u>15,642,172</u>	<u>20,000,000</u>	<u>20,000,000</u>
	Total Expenditure	<u>15,642,172</u>	<u>20,000,000</u>	<u>20,000,000</u>
	Special Fund Expenditure	<u>15,642,172</u>	<u>20,000,000</u>	<u>20,000,000</u>
	Total Expenditure	<u>15,642,172</u>	<u>20,000,000</u>	<u>20,000,000</u>
<b>Special Fund Expenditure</b>				
SWF316	Strategic Energy Investment Fund - RGGI	<u>15,642,172</u>	<u>20,000,000</u>	<u>20,000,000</u>

## Maryland Energy Administration

### 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>2022 Actual</b>	<b>2023 Appropriation</b>	<b>2024 Allowance</b>
08 Contractual Services	144,953	500,000	1,800,000
12 Grants, Subsidies, and Contributions	7,647,640	15,425,000	29,775,000
Total Operating Expenses	<u>7,792,593</u>	<u>15,925,000</u>	<u>31,575,000</u>
Total Expenditure	<u><u>7,792,593</u></u>	<u><u>15,925,000</u></u>	<u><u>31,575,000</u></u>
Special Fund Expenditure	<u>7,792,593</u>	<u>15,925,000</u>	<u>31,575,000</u>
Total Expenditure	<u><u>7,792,593</u></u>	<u><u>15,925,000</u></u>	<u><u>31,575,000</u></u>
<b>Special Fund Expenditure</b>			
SWF316 Strategic Energy Investment Fund - RGGI	6,335,293	15,925,000	29,575,000
SWF330 Strategic Energy Investment Fund - Other	<u>1,457,300</u>	<u>0</u>	<u>2,000,000</u>
Total	<u><u>7,792,593</u></u>	<u><u>15,925,000</u></u>	<u><u>31,575,000</u></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.

<b>Appropriation Statement</b>		<b>2022 Actual</b>	<b>2023 Appropriation</b>	<b>2024 Allowance</b>
04	Travel	1,029	0	0
08	Contractual Services	1,923,261	9,350,000	6,950,000
09	Supplies and Materials	18,982	0	0
12	Grants, Subsidies, and Contributions	37,720,124	80,200,000	96,400,000
	Total Operating Expenses	<u>39,663,396</u>	<u>89,550,000</u>	<u>103,350,000</u>
	Total Expenditure	<u><u>39,663,396</u></u>	<u><u>89,550,000</u></u>	<u><u>103,350,000</u></u>
	Special Fund Expenditure	<u>39,663,396</u>	<u>89,550,000</u>	<u>103,350,000</u>
	Total Expenditure	<u><u>39,663,396</u></u>	<u><u>89,550,000</u></u>	<u><u>103,350,000</u></u>
<b>Special Fund Expenditure</b>				
D13349	Offshore Wind Business Development Fund	2,235,253	5,000,000	3,500,000
SWF316	Strategic Energy Investment Fund - RGGI	16,810,457	42,995,154	36,135,000
SWF330	Strategic Energy Investment Fund - Other	20,617,686	20,054,846	14,050,000
SWF332	Strategic Energy Investment Fund - RPS ACP	0	0	17,065,000
SWF338	Strategic Energy Investment Fund - CEJA ACP	0	21,500,000	32,600,000
	Total	<u>39,663,396</u>	<u>89,550,000</u>	<u>103,350,000</u>

### 3 Year Position Summary

Classification Title	FY 2022 Positions	FY 2022 Expenditures	FY 2023 Positions	FY 2023 Appropriation	FY 2024 Positions	FY 2024 Allowance
<b>D13 - Maryland Energy Administration</b>						
<b>D13A1301 - General Administration</b>						
Admin Aide	0.00	36,656	0.00	0	0.00	0
Admin Officer II	0.00	0	0.00	0	1.00	49,403
Administrator I	1.00	106,873	1.00	76,542	2.00	137,805
Administrator II	3.00	215,192	4.00	290,049	6.00	419,838
Administrator III	4.00	277,389	4.00	294,274	7.00	485,113
Administrator IV	6.00	351,384	5.00	436,151	4.00	355,563
Administrator V	4.00	358,650	4.00	408,859	4.00	417,833
Administrator VI	1.00	103,276	1.00	109,997	3.00	269,355
Asst Attorney General VI	3.00	231,018	3.00	317,580	1.00	113,693
Asst Attorney General VII	0.00	64,108	0.00	0	2.00	252,264
Asst Attorney General VIII	1.00	75,983	1.00	136,426	0.00	0
Exec Aide III	2.00	312,541	3.00	331,480	3.00	337,857
Exec Aide V	4.00	486,849	4.00	542,402	4.00	537,028
Exec Aide VIII	1.00	156,103	1.00	165,598	1.00	173,050
IT Director I	0.00	0	0.00	0	1.00	77,204
Principal Counsel	0.00	52,911	0.00	0	1.00	149,218
Procurement Officer IV	0.00	0	0.00	0	1.00	82,399
<b>Total D13A1301</b>	<b>30.00</b>	<b>2,828,933</b>	<b>31.00</b>	<b>3,109,358</b>	<b>41.00</b>	<b>3,857,623</b>