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SEP Clean Energy Programs in Maryland

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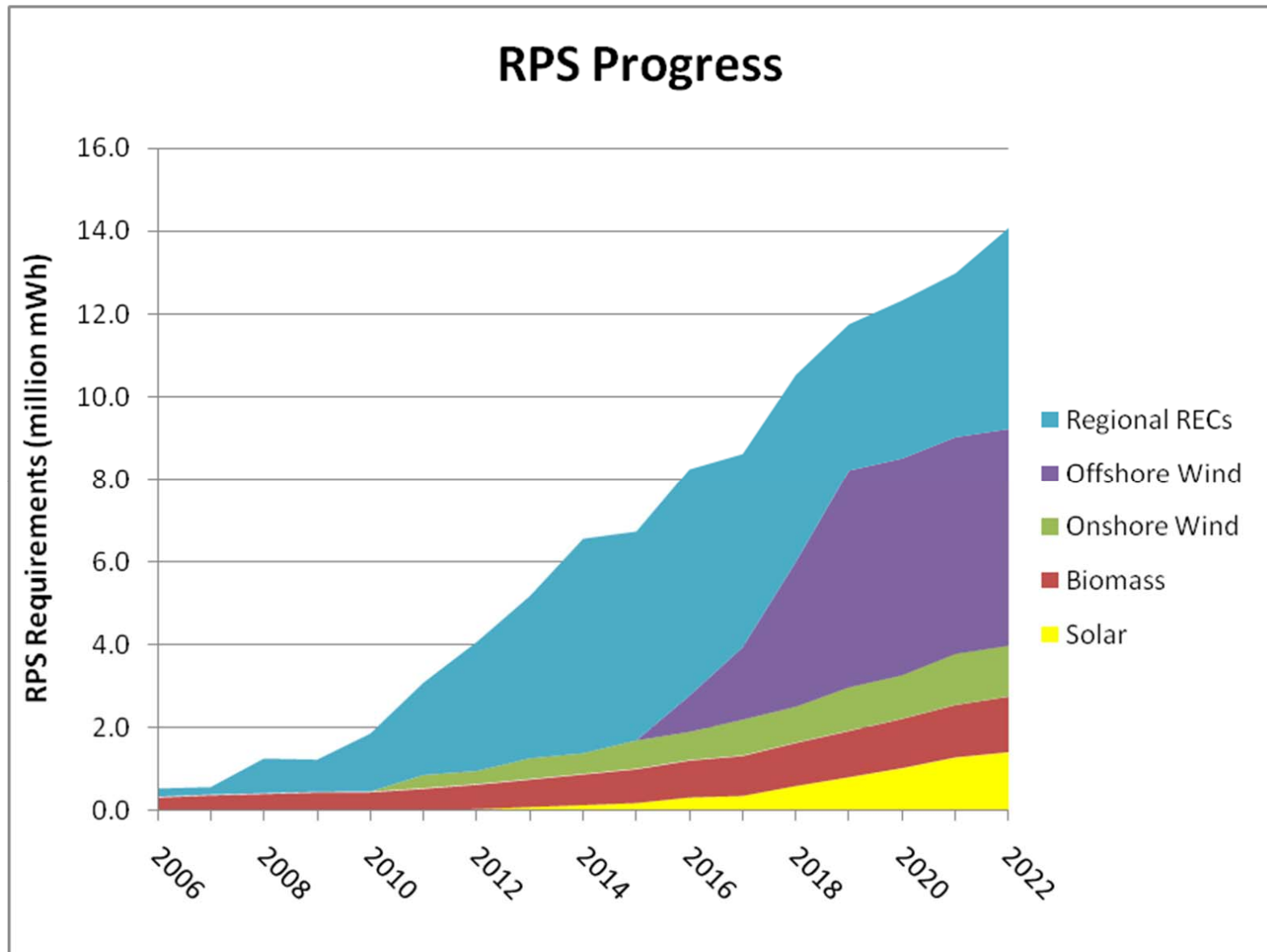
MEA is responsible for three of Governor O'Malley's 15 Strategic Policy Goals

- GOAL 9: Reduce per capita electricity consumption in Maryland by 15% by 2015
- GOAL 10: Increase Maryland's renewable energy portfolio by 20% RPS by 2022
- GOAL 11: Reduce Maryland's greenhouse gas emissions by 25% by 2020.

Maryland Energy Administration

Our Goals

More at www.statestat.maryland.gov/gdu.asp



RPS Moving Forward

Building to 20% Renewables

Residential:	PV up to 20 kW	\$0.50/W	up to \$10,000
	SHW any size	20%	up to \$1,500
	Geothermal any size	\$500/t	up to \$2,000
	Windswept, 100 kW	scheduled*	up to \$75,000

Commercial: (mid-size)	PV up to 200 kW	\$500/kW	up to \$50,000
	SHW any size	15%	up to \$25,000
	Geothermal any size	\$500/ton	up to \$7,000
	Windswept, any size	scheduled*	up to \$75,000

Sunburst:	A partnership with State agencies and local governments		
	PV any size	\$1000/kW	total funding \$9.3m

MEA Grant Programs

Program descriptions

***MEA has awarded over 4,000 grants to help install
renewable energy in Maryland***

Awards as of Dec 2010	Residential	Commercial (mid-size)	Sunburst
Funding	\$13.2m	\$1.0m	\$9.3m
Number of Grants	4,020	40	17
PV Capacity	8,180 kW	1,842 kW	9,300 kW
SHW Capacity	47,800 ft ²	1,600 ft ²	0 ft ²
Geothermal	6,500 tons	50	0
Wind Capacity	344 kW	0	0

MEA Grant Programs

Total award levels



FY 11 ARRA funds: \$ 6.1 million
Spent (Dec 10): \$ 3.1 million (32%)

- 200 applications per month
- Waitlist of 400 applicants
- Grants will save more than 8,000 MWh of clean energy annually, equivalent to \$2.7 million in avoided household bills
- Created over 200,000 man-hours of installation work
- From 2007 to 2010, 121 residential solar jobs grew in MD to 539
- New financing models are developing in the Maryland market with entry of leasing and PPA companies

ARRA / SEP Grant Programs

Residential Renewables



FY 11 ARRA funds: \$ 9.3 million
Spent (Dec 10): \$ 7.6 million (82%)

- Established to lead by example with state and local government buildings
- Designed to encourage PPA model
- When completed this year, 9.3 MW will increase the connected MD solar capacity by 50% (from 18 to 27 MW)
- \$7.6 million in ARRA funds leveraged \$43.6 million in private investment (5.7 times leverage)

ARRA / SEP Grant Programs

Project Sunburst

*Photo of a Solar Pole Tracker, manufactured by
Advanced Technology & Research Corp.*



FY 11 ARRA funds: \$ 5.1 million
Spent (Dec 10): \$ 709,700 (14%)

- Funding for eight innovative green Maryland companies
- Retooling for new green products or to funds to increase the amount of renewable energy generated in Maryland
- Supplements economic development efforts of other agencies
- Investments will create an estimated 130 permanent full-time and 230 temporary construction jobs by 2012

ARRA / SEP Grant Programs

Clean Energy Economic
Development Initiative
(CEEDI)



For More Information

www.energy.state.md.gov
410.260.7655