

HB 1414 Maryland Renewable Portfolio Standard Study

Susan Gray
Maryland RPS Working
Group Webinar
April 26, 2018



House Bill 1414



“PPRP shall conduct a study of the [Renewable Portfolio Standard] RPS... The study shall be a comprehensive review of the history, implementation, overall costs and benefits and effectiveness of the RPS in relation to the energy policies of the state.”

- Interim Report due December 1, 2018
- Final Report due December 1, 2019
- Both reports are provided to Governor, Senate Finance Committee, and House Economic Matters Committee

Subjects to be Addressed



The role & effectiveness that the RPS may have in reducing the carbon content of imported electricity & whether... complementary policies or programs could help address carbon emissions associated with electricity imported into the State.

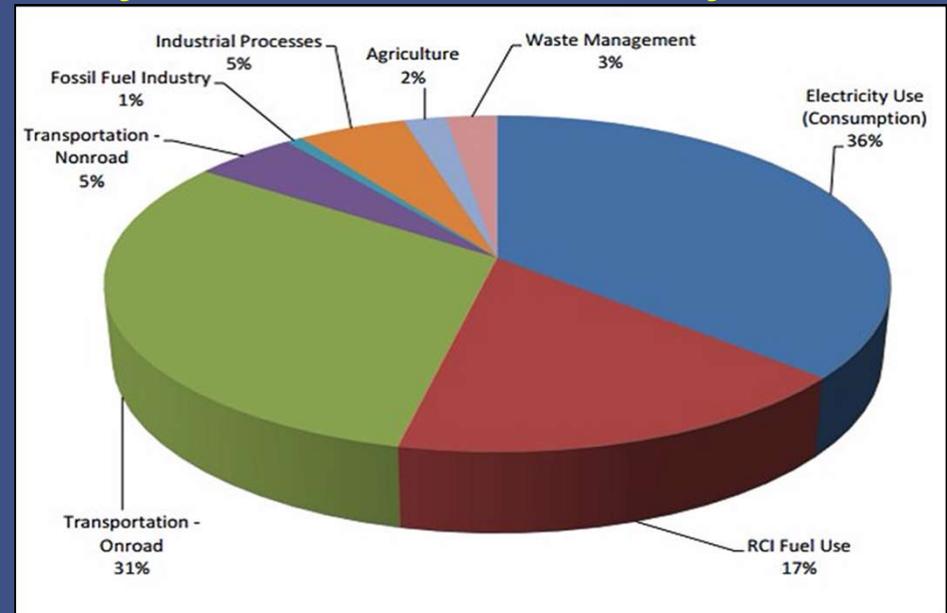
In 2016, Maryland imported 43% of its electricity

Subjects to be Addressed



The role of in-State clean energy in achieving greenhouse gas emission reductions and promoting local jobs and economic activity

Maryland 2014 GHG Emissions by Sector

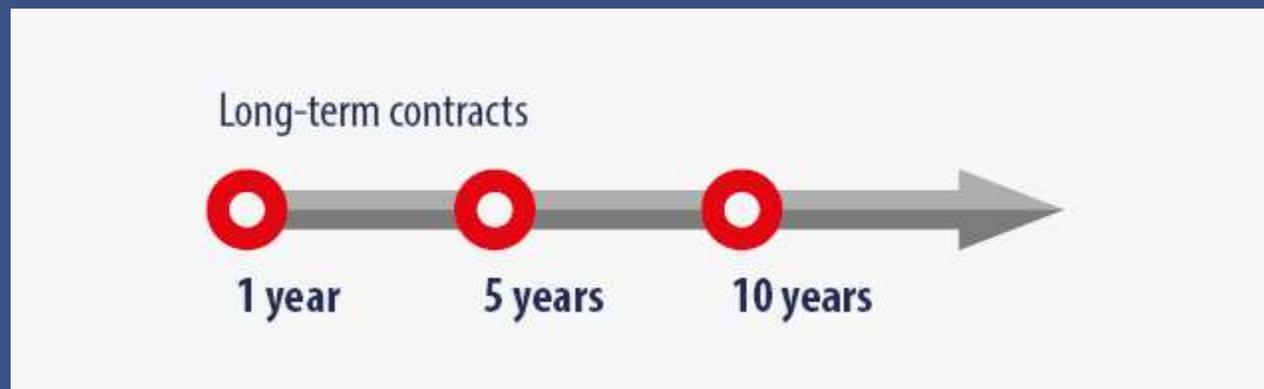


Source: MDE

Subjects to be Addressed



The net environmental and fiscal impacts that may be associated with long-term contracts (LTCs) tied to clean energy projects including... ratepayer impacts... and whether the use of LTCs incentivized new renewable energy generation development



Subjects to be Addressed



What industries are projected to grow, and to what extent, as a result of incentives associated with the standard



Subjects to be Addressed



Additional opportunities that may be available to promote local job creation within the industries that are projected to grow as a result of the standard



Subjects to be Addressed

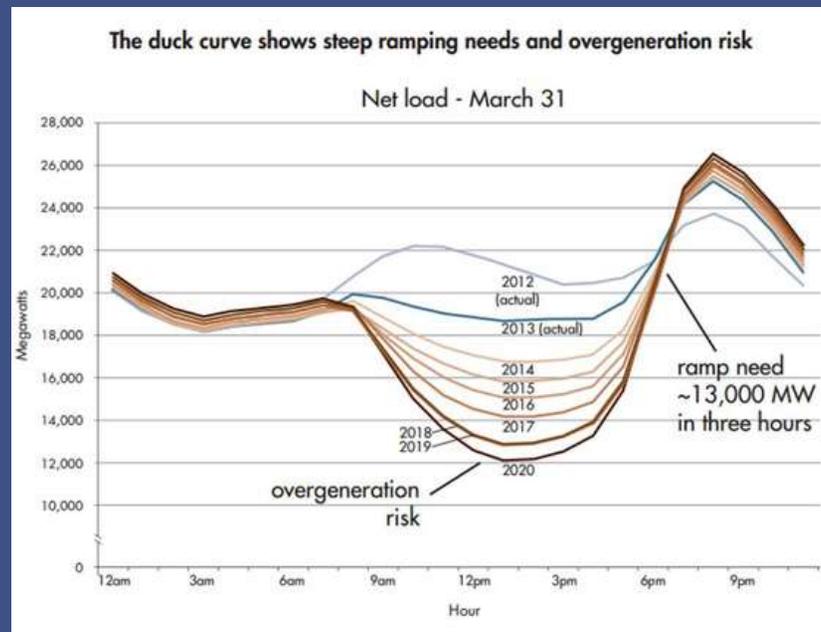


Whether the public health and environmental benefits of the growing clean energy industries supported by the standard are by equitably distributed across... environmental justice communities

Subjects to be Addressed



System flexibility that the State would need under future goals... including the quantities for peak and ramping that may be required



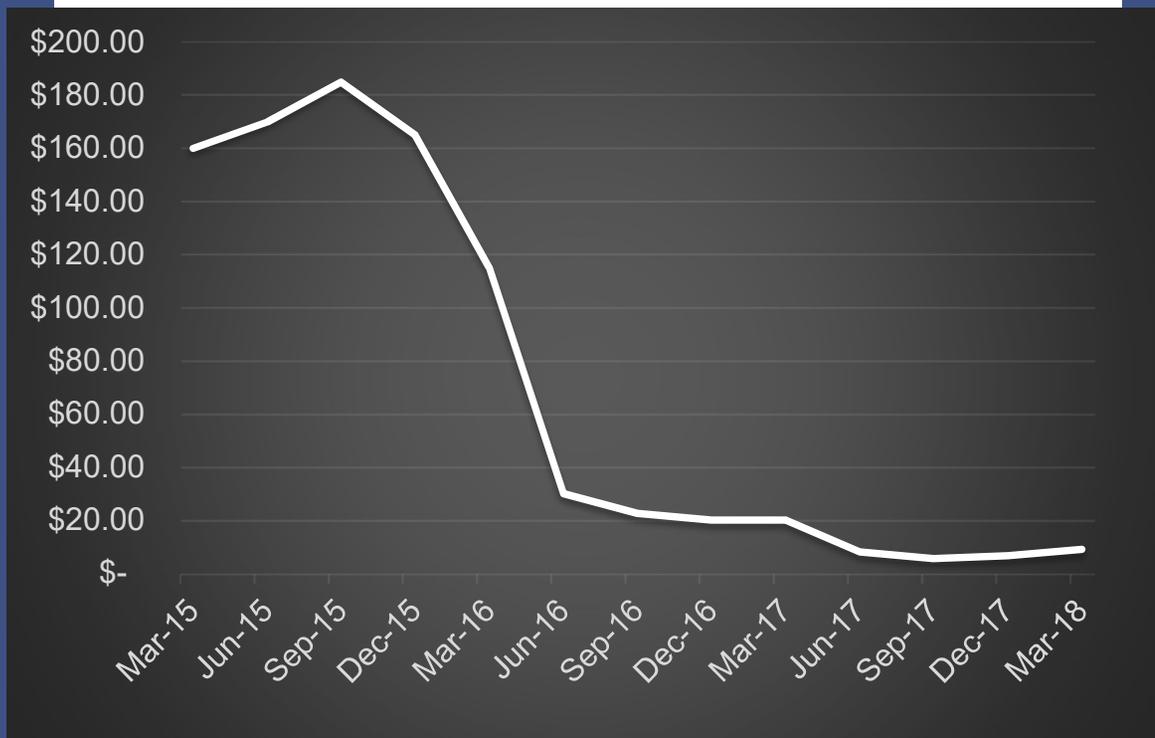
Source: The Institute for Energy Research

Subjects to be Addressed



An assessment of any change in Solar REC prices over the immediate 24 months preceding the Interim Report

SREC Average Quarterly Bid Prices for Maryland
January 2015 – March 2018



Source: Spectrometer U.S. Environmental

Subjects to be Addressed Work in Progress



Whether the State is likely to meet its existing goals... & if increased, ...if adequate supply to meet added demand for credits

Whether the State is able to meet current & potential future targets w/o inclusion of certain technologies.

PPRP

*2017 Inventory of
Renewable
Energy
Generators
Eligible for the
Maryland RPS*

*Draft
Spring 2017*

Subjects to be Addressed

Work in Progress



How energy storage technologies should be addressed



Current Activities



- Two tasks are currently underway
 - Evaluation of whether the State is likely to meet its existing goals under the current RPS, and if the State were to increase those goals, whether electricity suppliers should expect to find an adequate supply to meet the additional demand for credits.
 - Assessment of whether the RPS is able to meet current and potential future targets without the inclusion of certain technologies.
- Formation of the RPS Study Working Group.
- PPRP is meeting (and plans to meet) with individual stakeholders to receive their views on the Maryland RPS.

RPS Study Work Group

- Throughout the process PPRP will seek input and feedback from the Group.
- PRPP welcomes any data or studies the Working Group may have or would like to contribute.
- Work Group webpage located at <http://dnr.maryland.gov/pprp/Pages/RPS-WorkGroup.aspx>



A screenshot of the Maryland Department of Natural Resources website. The page is titled "Maryland Renewable Portfolio Standard (RPS) Study Work Group". The header includes the department's logo and name, a search bar, and social media icons. The main content area features a navigation menu with links for HOME, BOATING, CAMPING, FISHING, HUNTING, PARKS, and WILDLIFE. Below the menu, there are two columns of content. The left column is titled "Power Plant Research Program" and contains a list of links: Power Plant Home, Power Plant Research Advisory Committee, Renewable Portfolio Standard Work Group, Energy Storage Work Group, Power Plants in Maryland, Power Plant Licensing, Other Program Activities, Projects Under Review, Request for Proposals, Smart Siting, and Contact the Program. The right column is titled "Maryland Renewable Portfolio Standard (RPS) Study Work Group" and contains a paragraph of text: "The Maryland General Assembly passed legislation (HB1414) during the 2017 legislative session that directs Power Plant Research Program to conduct a study addressing the Renewable Portfolio Standard. Specifically, Power Plant Research Program is directed to conduct a comprehensive review of the history, implementation, overall costs and benefits, and effectiveness of the Maryland Renewable Portfolio Standard in relation to the energy policies of the State of Maryland, including the availability of all clean energy sources at reasonable and affordable rates, and including in-state and out-of-state renewable energy options." Below the text are four expandable sections: Work Group Members, Study Status, Meeting Schedules/Agendas/Presentations/Minutes, and Contact Information and Public Comments. The footer includes contact information: "580 Taylor Ave, Annapolis MD 21401" and "(877-620-8DNR) (8367)", along with social media icons and links for Contact Us, Privacy, Accessibility, Website Feedback, and Register to Vote.

Interim Report



- The Interim Report will be provided by December 1, 2018.
- The Interim Report will include the following:
 - Status update, including any initial findings.
 - List of options (with positive and negative aspects for each option) for informed decision-making.
 - Annotated list of topics that require additional study.



What's Next?



- The Board of Public Works will act on the proposed contract for the remainder of the Study in early May.
- If the contract is approved, the rest of the Study will begin in late May/early June.
- Next Working Group meeting will likely occur in early July.
- In the meantime, PPRP will be having discussions with individual WG members and other stakeholders to get their thoughts on various topics related to the Study.



Questions?