

# **Status Report on Maryland RPS Report Required by H.B. 1414 (2017 General Assembly)**

RPS Work Group Meeting

November 14, 2018

# Agenda



- Review of study requirements in H.B. 1414
- Drafts under DNR/PPRP review
- Drafts under internal (Exeter) review
- In progress
- Questions

# Study Requirements from H.B. 1414



- The availability of all clean energy sources at reasonable and affordable rates
- The economic and environmental impacts of the deployment of renewable energy sources in the State and in the surrounding area of PJM
- The effectiveness of the standard in encouraging development and deployment of renewable energy resources
- The impact of alterations that have been made in the components of each tier of the RPS, the implementation of different specific goals for particular resources, and the effect of different percentage and alternative compliance payment scales for energy in the tiers
- An assessment of alternative models of regulation and market-based tools that may be available or advisable to promote the goals of the RPS and the energy policies of the State

# Study Requirements from H.B. 1414, cont.



- The potential to alter or otherwise evolve the RPS in order to increase and maintain its effectiveness in the RPS in order to increase and maintain its effectiveness in promoting the State's energy policies
- The role and effectiveness that the RPS may have in reducing the carbon content of imported electricity and whether existing or new additional complementary policies or programs could help address the carbon emissions associated with electricity imported into the State
- The net environmental and fiscal impacts that may be associated with long-term contracts tied to clean energy projects
- Whether the RPS is Able to Meet Current and Potential Future Targets Without the Inclusion of Certain Technologies
- What industries are projected to grow and to what extent as a result of incentives associated with the RPS

# Study Requirements from H.B. 1414, cont.



- Whether the public health and environmental benefits of the growing clean energy industries supported by the RPS are being equitably distributed across overburdened and underserved environmental justice communities
- Whether the State is likely to meet its existing goals under the 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
- Additional opportunities that may be available to promote local job creation within the industries that are projected to grow as a result of the RPS
- System flexibility that the State would need under future goals under the RPS, including the quantities of system peaking and ramping that may be required

# Study Requirements from H.B. 1414, cont.



- How energy storage technology and other flexibility resources should continue to be addressed in support of renewable energy and state energy policy
- The role of in-State clean energy in achieving greenhouse gas emission reductions and promoting local jobs and economic activity in the State
- An assessment of any change in solar renewable energy credit prices over the immediate 24 months preceding the submission of the interim report to the general assembly (December 1, 2018)

# Drafts under DNR/PPRP Review



- Renewable Energy Inventory
- Interim Report

# Drafts Under Internal (Exeter) Review



- Effectiveness of the Standard in Encouraging Development and Deployment of Renewable Energy Resources
- Rate Impacts of Certain State RPS Policies (Economic Impact of Maryland RPS)
- Impact of Alterations to the Maryland RPS
- Role and Effectiveness the RPS May Have in Reducing the Carbon Content of Imported Electricity
- Literature Review of the Impact of Long-Term Contracts
- System Flexibility the State Would Need
- Addressing Energy Storage and Flexibility Resources



# In Progress



- Projected Growth of Industries due to the Maryland RPS
- Economic Impacts (Input-Output modeling)
- Environmental Impacts (Long-Term Electricity Report)
- Assessment of Alternative Models of Regulation and Market-Based Tools
- Potential to Alter or Evolve the Maryland RPS
- Quantitative Analysis of Long-Term Contracts
- Whether the Public Health and Environmental Benefits of the Growing Clean Energy Industries...(EJ Screen)
- Availability of renewable resources within PJM (Availability of Clean Energy Sources at Reasonable and Affordable Rates)

# Questions for Discussion

