



# **Rhode Island Renewable Energy Growth Program: Update to DG Board Regarding 2024–2026 REG Proposed Plan**

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# Update to Benefit Cost Analysis regarding 2024 Avoided Energy Supply Costs Study



# BCA Updates regarding 2024 AESC Study

- In support of its request for approval of a 2024-2026 Renewable Energy Growth (REG) program plan OER directed SEA to conduct a benefit-cost analysis (BCA) based upon the PUC's Docket 4600 Framework
- The inputs to the BCA were heavily informed by inputs derived from the Avoided Energy Supply Costs in New England (AESC) analysis led by Synapse Energy Economics
  - Since the AESC is an analysis conducted once every three years, the version utilized for the BCA commissioned by OER was based on the most up-to-date version available at the time (which was conducted in the first half of 2021)
- During the week ending February 9, 2024, Synapse Energy Economics released an updated version of the AESC analysis for 2024
- Following this release, OER has directed SEA to update the BCA filed in RIPUC Docket 23-44-REG to reflect the new values, in addition to the updated BCAs that the PUC requested through docket data requests that SEA responded to in January
- OER anticipates that these updated BCA values will be re-filed in Docket 23-44-REG no later than the middle of March 2024

# **Update and Discussion on Adder Incentive for Landfill Projects**



# Updates to REG Benefit-Cost Analysis Inputs

- The new REG law allows OER and the Board to consider the development of adders for projects sited on parcels “requiring remediation”
- SEA’s proposed adders that were approved by the DG board in November included:
  - A single adder applicable to projects on brownfields/superfund sites
  - Two options for adders applicable to projects on landfills:
    - An adder **including the cost of capping a landfill** and incremental costs associated with developing solar a capped landfill
    - An adder **excluding the cost of capping a landfill**, but including incremental costs associated with developing solar a capped landfill
- After careful consideration of feedback from RI Energy and observing some of the data request questions for the docket proceeding, OER is requesting for the DG Board’s consideration a vote to **withdraw the including the cost of capping a landfill** incentive-payment adder from the proposed 2024-2026 REG program plan
- A revised table of recommended adders is provided on the next slide

# Summary of Proposed Adder Values

- For reference, the differentiated landfill adders initially presented to the DG board are provided below

Renewable Energy Class	Landfill Adder (¢/kWh)		Brownfield/Superfund Adder (¢/kWh)
	<i>Proposed Final</i> <i>(For landfills with funds to cap)</i>	<i>Proposed Final</i> <i>(For landfills lacking funds to cap)</i>	<i>Final Proposed</i>
Non-Large Solar (<1 MW)	4.30	<del>8.00</del>	3.60
Large Solar (1-<5 MW)	4.30	<del>8.00</del>	3.60
Large Solar II (5-<10 MW)	3.60	<del>7.80</del>	2.90
Large Solar III (10-<15 MW)	3.40	<del>7.50</del>	2.80
Large Solar IV (15-<39 MW)	3.30	<del>7.40</del>	2.70