Act on Climate

Update to EC4
November 3, 2022

RIEC⁴

2022 Update – Draft Modeling Results (EPS)

- Draft GHG modeling results are in from Acadia Center.

- Undertaken with technical assistance from the US Climate Alliance, Rhode Island partnered with the Rocky Mountain Institute and Acadia Center to undertake some GHG modeling focused on the near term (2030).

- A high-level state decarbonization analysis was performed utilizing the Institutes 'Energy Policy Simulator' tool.

- We don't quite get to the 45% percent reduction by 2030 – about ½ a MMTCO2e shy of the target.

- The modeling included policy assumptions (to highlight a few) on a few key areas:
  - *EV sales*
  - *RIPTA bus electrification*
  - *Efficient electric appliances (e.g. heat pumps)*
  - *Afforestation*

- **By far, shifting cars/trucks to EVs and installing efficient electric appliances (for space and water heating demand) via electric heat pumps have the most significant impact on the greenhouse gas reductions in the model.**

- A few notes on the 'Energy Policy Simulator' tool & some modeling topics we suggest putting off until the more comprehensive 2025 Climate Strategy.

2022 Update

- Nearly all of the "call outs" on key topics (e.g. RGGI, food & climate, health & climate, battery storage, buildings, etc.) are complete and will be released soon as drafts for feedback.

- Land Use Chapter is still under development – will be informed by the listening session hosted earlier this year.

- Will be reaching out directly to EC4 agencies for additional feedback on recommendations & agency actions.

Next Opportunity to Engage

- Date TBD for November – **EC4 Sharing Session on Climate Justice**

- Ongoing – **online public comment portal**

Next EC4 Meeting → December 15th (at RIDEM)

For the most up-to-date information, check out
climatechange.ri.gov/aoc