

2024 -- S 2294

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STATE OF RHODE ISLAND

IN GENERAL ASSEMBLY

JANUARY SESSION, A.D. 2024

SENATE RESOLUTION

RESPECTFULLY REQUESTING THE DEPARTMENT OF ADMINISTRATION TO
CONDUCT A STUDY ON THE TECHNICAL AND ECONOMIC OUTCOMES OF
DECARBONIZING RHODE ISLAND BY 2030

Introduced By: Senators Bell, Kallman, Valverde, Ujifusa, Cano, and Gu

Date Introduced: February 12, 2024

Referred To: Senate Environment & Agriculture

1 WHEREAS, The term decarbonization is defined as the reduction of carbon through
2 conversion to an economic system that sustainably reduces and compensates the emissions of
3 carbon dioxide (CO2) with a long-term goal of creating a CO2-free global economy; and

4 WHEREAS, Electricity rates in Rhode Island increased 46 percent in 2022 and in
5 October of 2023, a 24 percent increase was approved. The cost of fossil fuels and electricity
6 produced by fossil fuels is projected to continue increase through 2050; and

7 WHEREAS, The Rhode Island economy shrinks by approximately \$3 billion every year
8 as consumers send money out-of-state to buy energy; and

9 WHEREAS, Nebraska continues to pay some of the lowest electricity rates in the United
10 States because publicly-owned utilities distribute electricity; and

11 WHEREAS, The Batesville School District in Arkansas has received significant revenue
12 from energy efficiency and solar energy production; and

13 WHEREAS, Alaska has built a \$66 billion reserve and pays dividends to its citizens from
14 energy and mining sales; and

15 WHEREAS, Decarbonization that incorporates the methods of Nebraska, Arkansas, and
16 Alaska can lower energy prices in Rhode Island, grow the state's economy, and create revenue
17 for the State; now, therefore be it

18 RESOLVED, That this Senate of the State of Rhode Island hereby respectfully requests a
19 study to be conducted through a request for proposal (RFP) costing no more than \$2.5 million to

1 produce a report on the technical and economic outcomes of decarbonizing Rhode Island by
2 2030, with the aim of reducing the cost of energy, growing Rhode Island's economy, boosting
3 Act on Climate, and creating the maximum amount of revenue for the state; and be it further

4 RESOLVED, That this Senate hereby requests that the study analyzes and includes the
5 following technical factors:

- 6 • How to bring Rhode Island to top energy efficiency;
- 7 • How to generate 100 percent of Rhode Island's energy needs with solar and wind
8 power;
- 9 • Evaluate offshore and onshore wind for energy production;
- 10 • Evaluate vertical-access wind turbines (VAWT) for energy production;
- 11 • Evaluate other viable clean energy production technologies for energy production;
- 12 • Evaluate producing extra energy for out-of-state energy sales;
- 13 • Produce recommendations without harming or disrupting wilderness, habits, and
14 wildlife;
- 15 • How to renovate the grid for maximum resilience and efficiency;
- 16 • Evaluate micro-grids and battery energy storage for energy distribution;
- 17 • How to electrify heating/cooling and transportation; and
- 18 • Evaluate replacing natural gas pipelines with geothermal loops; and be it further

19 RESOLVED, That this Senate hereby requests that the study analyzes and includes the
20 following economic factors:

- 21 • Determine costs of energy efficiency, solar and wind infrastructure, renovating the
22 grid, and electrifying heating/cooling and transportation;
- 23 • Determine profits from energy production;
- 24 • Determine the best ratio of public/private development and ownership for maximum
25 state revenue;
- 26 • Evaluate leasing/partnerships with property owners;
- 27 • Project electricity rates;
- 28 • Evaluate reinvestment of profits into Rhode Island communities;
- 29 • Evaluate annual dividends to citizens; and
- 30 • Evaluate jobs and other economic effects during building and after construction; and be

31 it further

32 RESOLVED, That this Senate hereby requests that the RFP be issued by September 1,
33 2024, and the study be completed by March 7, 2025, and that a copy of the final report be given
34 to the House of Representatives upon completion; and be it further

1 RESOLVED, That this Senate hereby requests that the Secretary of State administer and
2 oversee the RFP; and be it further

3 RESOLVED, That the Secretary of State be and hereby is authorized and directed to
4 transmit duly certified copies of this resolution to the Honorable Daniel McKee, Governor of the
5 State of Rhode Island, and Jonathan Womer, Director of the Rhode Island Department of
6 Administration.

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