

EC4 ADVISORY  
BOARD  
REPORT TO EC4  
NOVEMBER 3, 2022

# FINAL RECOMMENDATIONS FOR CLIMATE DASHBOARD

# CLIMATE DASHBOARD RECOMMENDATIONS

## **Metrics**

1. Tier I: Continue reporting and tracking toward the goal
2. Tier I: Continue reporting and establish a goal
3. Tier I: Begin reporting and establish a goal
4. Tier II: Develop strategy to report and establish a goal
5. Report climate change impacts

## **Additional Content**

- Spotlight issues and topics
- Maps and visualizations
- Best practices

# TIER I: CONTINUE REPORTING AND TRACKING TOWARD GOAL

## **Greenhouse Gas Emission Reductions**

Goals:

- 10% below 1990 levels by 2020
- 45% below 1990 levels by 2030
- 80% below 1990 levels by 2040
- net-zero emissions by 2050
- to include land use/land conversion

## **Clean Electricity**

Goal: 100% by 2032 renewable energy standard

## **Municipal Resilience Program**

Goal: 100% municipal participation

# TIER I: CONTINUE REPORTING AND ESTABLISH GOAL

**EV Registrations in RI**

**Emissions Avoided by Energy Efficiency Investments**

**Green Jobs in RI**

**Protected Lands by Acres and Type**

**Land Use and Land Conversion**

# TIER I: BEGIN REPORTING AND ESTABLISH GOAL

## **Incentives**

**EV by amount and  
distribution**

**Solar**

**Heat Pumps**

**EV Charging Infrastructure**

**Vehicle Miles Travelled**

**EVs in State Fleet**

**Fuel Sales**

**Real Jobs Data**

**RIPTA Ridership**

**Energy Burden**

**RISE Energy Audits**

**C-PACE / EBF**

**Home Heating by Fuel Type**

**Energy Efficiency Savings**

# TIER II: DEVELOP STRATEGY TO REPORT AND ESTABLISH GOAL

**Solid waste and recycling**  
municipal recycling rates,  
food waste, methane

**Advanced Clean Trucks (ACT)**

**State Fleet Mileage**

**Biodiesel Fuel Use**

**Progress towards RI Mobility Plan**

**Water Consumption**

**Climate Literacy in Public Schools**

**Investments in EJ communities (Justice 40)**

**Union Clean Energy Training Program Participants**

**Higher Education Graduates in Green Fields**

**Apprentice Demographics**

**Job Conversions**

**Buildings Fuel Heating Consumption by Type**

**Compliance with the RI Green Buildings Act**

**Buildings that Exceed Minimum Building Code**

**Food Security and Food Access**

# REPORT CLIMATE CHANGE IMPACTS

**(See Health Department proposed Metrics)**

**Precipitation**

**Sea level rise**

**Temperature**

**Drought**

**Air Quality**



# SPOTLIGHT ISSUES AND TOPICS

**Traffic Congestion Mitigation and Air Quality Planning**

**CCRI Offshore Wind Training Program**

**Electric School Buses**

**Green & Healthy Schools**

**EVITP Certifications**

**Green Buildings**

**Community Choice Aggregation for Municipalities**

**Municipal Resilience Projects**

**Health Equity Zones**

**Large Scale Energy Storage**

# MAPS AND VISUALIZATIONS

**Define RI Environmental Justice Areas**

**EV Registrations**

**Stormtools**

**Land Conservation and Agricultural Lands**

**CRMC Shoreline Change Maps**

**Heat Islands**

**Tree Cover and Tree Equity Score Analyzer**

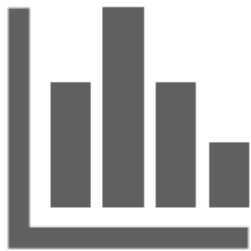
**Land Use and Land Cover**

**Impervious Surfaces**

**Social Vulnerability Index**

Most maps and resources listed here are available via the state's RIGIS system and many are linked off the RIDEM Maps page.

# RECOMMENDED DASHBOARD PRACTICES



Manipulable/interactive data accompanied by explanations



Easily viewable and understandable trends



Inexpensive interface programs



Inclusion of Climate Equity (mapping and criteria)



Make accessible in multiple languages (Spanish translation)



Quarterly updating



Public feedback on the website (for clarification or inquiries)



Align dashboard metrics with data that is already collected

EC4AB

Next Meetings

December 1, 2022

January 25, 2023

10:30am-noon