



February 10, 2025

The Honorable Chair and Members of the  
Hawai'i Public Utilities Commission  
465 South King Street  
Kekuanao'a Building, First Floor  
Honolulu, Hawai'i 96813

Dear Commissioners:

Subject: Docket No. 2007-0008  
Renewable Portfolio Standards Law Examination

In accordance with Decision and Order No. 23912 and the Framework for Renewable Portfolio Standards, issued on December 20, 2007, attached is the Renewable Portfolio Standard Status Report for the year ended December 31, 2024 for Hawaiian Electric.<sup>1</sup>

Sincerely,

/s/ Kevin M. Katsura

Kevin M. Katsura  
Director, Regulatory Non-Rate Proceedings

c: Division of Consumer Advocacy  
R.J Hee/T. Blume  
H. Curtis

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<sup>1</sup> "Hawaiian Electric" or "Company" refers to Hawaiian Electric Company, Inc., Hawai'i Electric Light Company, Inc., and Maui Electric Company, Limited. On December 20, 2019, the State of Hawai'i Department of Commerce and Consumer Affairs ("DCCA") approved Hawaiian Electric Company, Inc., Hawaii Electric Light Company, Inc. and Maui Electric Company, Limited's application to do business under the trade name "Hawaiian Electric". See Certificate of Registration No. 4235929, filed December 20, 2019 and renewed on December 4, 2024 in the Business Registration Division of the DCCA.

# 2024 Renewable Portfolio Standard Status Report

## Hawaiian Electric For the Year Ended December 31, 2024

This report was prepared pursuant to the Framework for Renewable Portfolio Standards, which was adopted by the Hawai'i Public Utilities Commission ("Commission") in Docket No. 2007-0008.<sup>1</sup>

In 2024, Hawaiian Electric achieved a consolidated Renewable Portfolio Standard ("RPS") of 35.8%. In accordance with present RPS guidelines, this RPS does not include the electrical energy savings from energy efficiency and solar water heating technologies and is calculated as a percentage of total system generation.<sup>2, 3</sup> The 35.8% RPS was achieved through the use of diverse renewable energy resources (biomass, geothermal, photovoltaic, hydro, wind, and biofuels) and customer-sited, grid-connected technologies (primarily private rooftop solar systems).

The O'ahu, Hawai'i Island, and Maui County systems achieved 30.8%, 58.7%, and 41.1% RPS, respectively. Figure 1 shows the RPS contribution by energy resource.

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<sup>1</sup> The Framework for Renewable Portfolio Standards was adopted by Decision and Order No. 23912, issued December 20, 2007, and revised by the Commission on December 19, 2008 (Order Relating to RPS Penalties).

<sup>2</sup> On April 25, 2011, Act 010 Relating to Renewable Portfolio Standards was signed into law. Act 010 provided that, as of January 1, 2015, electrical energy savings from energy efficiency and solar water heating technologies do not count toward calculating RPS. It also amended the definition of "renewable electrical energy" to include, beginning January 1, 2015, customer-sited, grid-connected renewable energy generation.

<sup>3</sup> On July 5, 2022, Act 240 Relating to Renewable Portfolio Standards was signed into law. Act 240 provided that "renewable portfolio standard" means the percentage of electrical energy generation that is represented by renewable electrical energy, excluding customer-sited, grid connected generation that does not produce renewable energy.

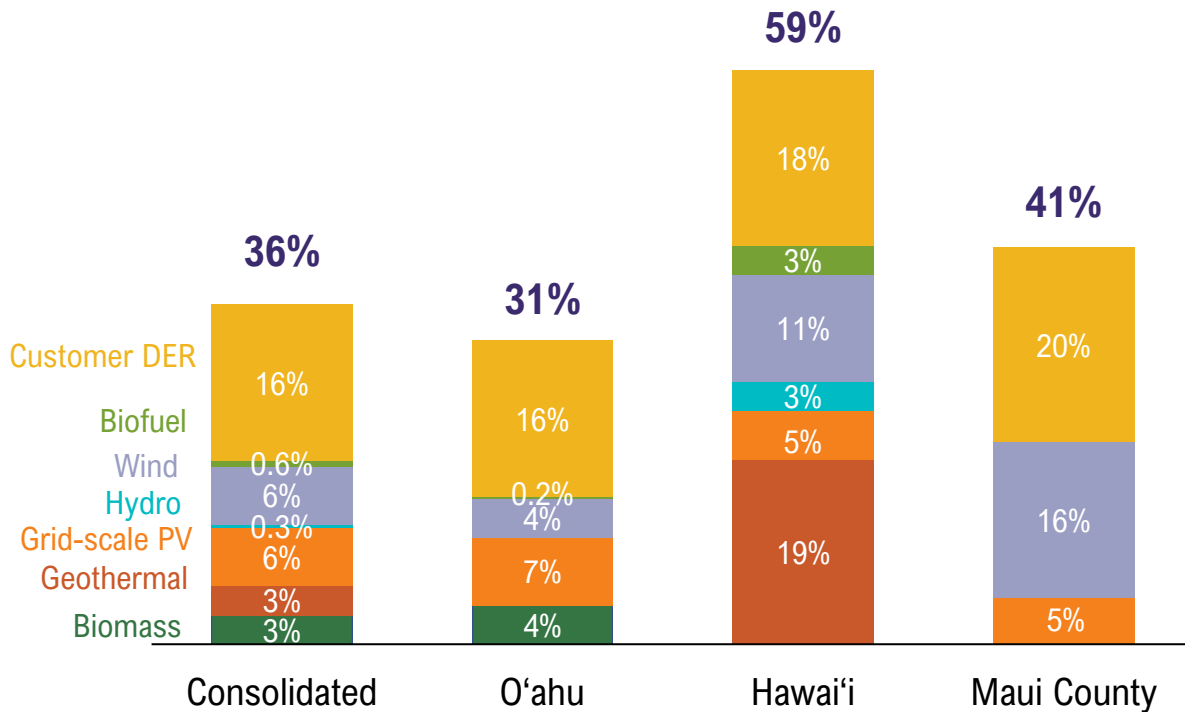


Figure 1: Renewable Portfolio Standards by Energy Source<sup>4</sup>

Hawaiian Electric continued to increase its renewable energy portfolio in 2024.

- West O'ahu Solar (12.5 MW) achieved commercial operations in March 2024, Kūpono Solar (42 MW) achieved commercial operations in June 2024, Kūihelani Solar (60 MW) achieved commercial operations in May 2024. Ho'ohana Solar I (52 MW) began providing energy in December 2024, and is expected to complete commissioning and achieve commercial operations in 2025.
- New customer-sited energy resources (private rooftop solar) installations totaled 61 MW. Assuming the rate of new installations continue at the same pace as 2024, Hawaiian Electric is on track to exceed the forecasted cumulative distributed PV capacity of 1,186 MW by 2030 from the Companies' Integrated Grid Planning Final Report.<sup>5</sup>

Renewable energy resources continued to increase, driven by the addition of new customer-sited and grid-scale resources. The electrical energy generated using

<sup>4</sup> Percentages by resource type may not sum to each island's RPS total due to rounding.

<sup>5</sup> See <https://hawaiipowered.com/igpreport/>

renewable energy resources increased by 302,751 MWh, an 8.9% increase compared to the previous year.

In 2025, Hawaiian Electric expects to further increase the renewable energy provided to the system with commercial operations of additional grid-scale solar and battery energy storage projects (Mountain View Solar, Ho'ohana Solar, Waiawa Phase 2 Solar, and Hale Kuawehi Solar), private rooftop solar additions, and continued progress on a return to full service of Puna Geothermal Venture.



# 2024 Renewable Portfolio Standard Status Report

## Hawaiian Electric For the Year Ended December 31, 2024 (In Net Megawatt Hours)

	2024				2023
	O'ahu	Hawai'i	Maui County	TOTAL	TOTAL
<b>Electrical Energy Generated Using Renewable Energy Sources</b>					
Biomass (including municipal solid waste) <sup>1</sup>	339,257			<b>339,257</b>	<b>327,545</b>
Geothermal <sup>1</sup>		258,940		<b>258,940</b>	<b>192,587</b>
Photovoltaic and Solar Thermal <sup>1</sup>	516,367	64,511	64,827	<b>645,704</b>	<b>528,449</b>
Hydro <sup>1</sup>		34,714		<b>34,714</b>	<b>26,557</b>
Wind <sup>1</sup>	292,637	150,894	222,639	<b>666,170</b>	<b>648,502</b>
Biofuels	17,083	41,069	646	<b>58,798</b>	<b>82,844</b>
Customer-Sited, Grid-Connected <sup>2</sup>	1,179,330	243,501	268,365	<b>1,691,196</b>	<b>1,585,545</b>
<b>TOTAL</b>	<b>2,344,674</b>	<b>793,630</b>	<b>556,476</b>	<b>3,694,780</b>	<b>3,392,029</b>
<b>TOTAL GENERATION</b>	<b>7,605,113</b>	<b>1,352,908</b>	<b>1,353,312</b>	<b>10,311,332</b>	<b>10,189,155</b>
<b>RPS PERCENTAGE (% of Generation)</b>	<b>30.8%</b>	<b>58.7%</b>	<b>41.1%</b>	<b>35.8%</b>	<b>33.3%</b>
<b>TOTAL SALES</b>	<b>6,134,550</b>	<b>1,046,702</b>	<b>1,037,658</b>	<b>8,218,910</b>	<b>8,226,638</b>
<b>RPS PERCENTAGE (% of Sales)</b>	<b>38.2%</b>	<b>75.8%</b>	<b>53.6%</b>	<b>45.0%</b>	<b>41.2%</b>

(HRS 269 amended July 5, 2022 to % of generation instead of sales)

<sup>1</sup> Renewable electrical energy generation is based on recorded data from Feed-In Tariff contracts, Independent Power Producers that have Power Purchase Agreements with Hawaiian Electric, and Hawaiian Electric-owned grid-scale projects such as West Loch PV.

<sup>2</sup> Renewable electrical energy generation from customer-sited, grid-connected technologies is based on known system installations for 2024 including Net Energy Metering ("NEM") installations and non-NEM systems. Recorded generation data was used when available. For systems where recorded data was not available, estimates were made based on reasonable performance assumptions for typical systems.

