



June 3, 2025

The Honorable Chair and Members of the
Hawaii Public Utilities Commission
465 South King Street
Kekuanaoa Building, Room 103K
Honolulu, HI 96813

Re: Docket No. 2007-0008 – In the Matter of Public Utilities
Commission Instituting a Proceeding to Examine Hawaii's
Renewable Portfolio Standards Law, Hawaii Revised Statutes
("HRS") §§ 269-91 – 269-95, as Amended by Act 162, Session
Laws of Hawaii 2006: Kauai Island Utility Cooperative's ("KIUC's")
2024 Annual Renewable Portfolio Standards ("RPS") Status Report

Dear Commissioners and Commission Staff:

Please find enclosed KIUC's Annual RPS Status Report for the year ending
December 31, 2024 ("2024 RPS Report").

As shown in the attached 2024 RPS Report, renewable energy resources and energy savings supplied 50.6% of KIUC's net electricity generation during the 2024 calendar year. This exceeds the requirement of 30% by 2020 and 40% by 2030, to be achieved by each electric utility as established by HRS § 269-92(a), as amended.

The attached 2024 RPS Report also includes a breakdown of the renewable energy resources on Kauai comprising the 50.6% RPS for 2024, 2023, 2022 and the 2021 RPS pre-HB2089 and post-HB2089, which amended the definition of "renewable portfolio standard" to mean a percentage of electrical energy generation, rather than sales, excluding customer-sited fossil fuel generation. Also included in said report is a discussion of KIUC's commitment to continue to increase the growth of renewable energy and energy savings on Kauai.

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The Honorable Chairman and Members of the
Hawaii Public Utilities Commission
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We thank you for your consideration of this matter. If you should have any questions concerning this report, please call me at (808) 246-8289.

Very truly yours,

A handwritten signature in blue ink that reads "Brad W. Rockwell". The signature is written in a cursive, flowing style.

Brad W. Rockwell, P.E.
Chief of Operations

Enclosure

cc: Kent Morihara
Consumer Advocate
Mr. Joseph Viola
Mr. Dean Matsuura
Peter Kikuta., Esq.
Craig I. Nakanishi, Esq.
Mr. David Bissell
Mr. Henry Q. Curtis

Kauai Island Utility Cooperative Renewable Portfolio Standards (RPS) Status Report Year Ending December 31, 2024

Pursuant to Hawaii Revised Statutes § 269-92, the Renewable Portfolio Standard (“RPS”) requirement, as a percentage of net electricity *sales*, for year 2020 is 30%. The RPS requirement, as a percentage of net electricity *generation*, for year 2030 is 40%, for year 2040 is 70%, and for year 2045 is 100%.

Kauai Island Utility Cooperative (KIUC) achieved an RPS percentage of 50.6% of net electricity generation for calendar year 2024, which exceeds the requirements for both 2020 and 2030.

KIUC met the electrical energy needs of its customers with a combination of Company-owned fossil fueled generation, Company-owned renewable generation, and both non-firm and firm renewable power purchases.¹ In addition to this generated electricity, Photovoltaic (PV) systems and Demand Side Management (DSM) measures, including Solar Water Heating (SWH), also supplied some of KIUC consumers’ energy needs, while at the same time, displacing fossil-fuel generated power. As of January 1, 2015, these sources are no longer counted toward KIUC’s RPS.

Electrical energy generated using renewable energy as the source totaled 278,812 megawatt-hours (MWh) for 2024. Exhibit A, attached hereto, illustrates how KIUC met the energy needs of its approximately 36,000 accounts.

KIUC Future RPS Activities

While KIUC has already exceeded the 2020 and 2030 RPS goals of 30% and 40%, respectively, the Company is aware that increasing electricity consumption will result in continued decline of RPS unless additional renewable projects can be brought online. To accomplish this, KIUC is undertaking the following:

1. On December 27, 2024, KIUC signed two new PPAs with AES Clean Energy for the purchase of energy from two new solar and battery storage projects. These PPAs are expected to contribute 37.3% toward KIUC’s RPS during their first full year of operation.

¹ KIUC has twelve power purchase contracts with Gay & Robinson (G&R) (hydro), Brue Bakol Capital Partners (hydro), Kekaha Agriculture Association (KAA) (hydro), Kapaa Solar (solar), Kaieie Waho Company (solar), MP2 Hawaii (solar), KRS2 Koloa (solar), KRS1 Anahola (solar), Dom Solar Lessor / Tesla (solar and storage), AES Lawai (solar and storage), AES Kekaka (solar and storage), and Mahipapa (biomass).

2. On November 30, 2022 KIUC signed a biodiesel fuel supply agreement with Pacific Biodiesel Technologies. The Commission approved the fuel supply agreement on an interim basis on March 24, 2023. This agreement is expected to increase KIUC's annual RPS, albeit very slightly (i.e. less than one percentage point) due to the limited nature of the agreement.

Electrical Energy Generated Using Renewable Energy Sources	2024	2023	2022	2021 post-HB2089*	2021 pre-HB 2089*
Biomass	6,804	42,126	51,555	48,479	46,019
Hydro	60,103	64,619	56,421	64,807	61,518
Photovoltaic (PV)	134,779	133,152	141,770	138,251	131,235
Customer-Sited, Grid-Connected PV	77,126	72,451	68,131	64,649	63,444
Total Renewable Electrical Energy	278,812	312,348	317,877	316,186	302,217
Total Electrical Energy Generation (Sales for 2021 pre-HB 2089)	551,013	539,073	527,924	499,413	435,156
RPS Percentage	50.6%	57.9%	60.2%	63.3%	69.5%
<p>* H.B. 2089 of 2022 amended the RPS to be based on net electricity generation rather than sales. Prior to HB2089, net electricity generation was reduced by system losses in order to correlate to net electricity sales.</p> <p>"Renewable portfolio standard" means the percentage of electrical energy generation that is represented by renewable electrical energy, excluding customer-sited, grid connected</p>					