



Annual Breakfast

BRIEFING

June 5, 2024

20
24

KIUC Overview

- Small integrated utility
 - 72,000 residents and about 25,000 visitors daily
- Kauaʻi previously served by investor owned utility
- Began operating as a cooperative in 2002
 - RUS Funded acquisition with 100% debt
- One of 900+ electric cooperatives in the United States
- 35,000 member accounts (30,000 residential; 5,000 commercial)

KIUC Board of Directors



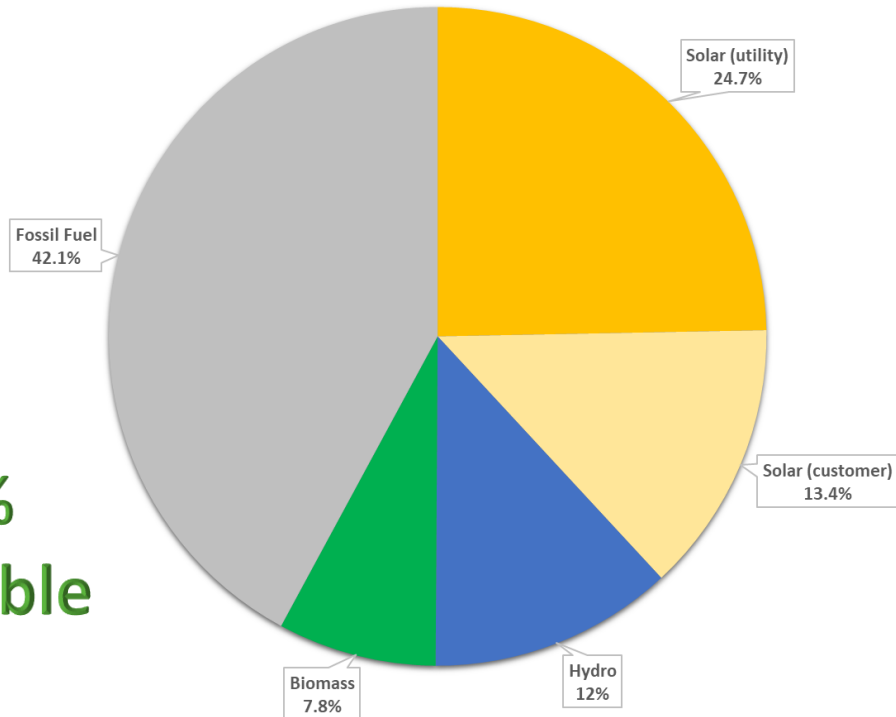
Strategic Plan 2023-2033

- **Goal 1: Cost of Electricity** – *KIUC will deliver electricity at the lowest possible cost.*
- **Goal 2: Carbon Footprint** – *KIUC will contribute to a sustainable Kauai.*
- **Goal 3: Resilience and Reliability** - *KIUC will become more resilient, improve reliability, and be better able to handle operational challenges and threats from cybersecurity, local climate change impacts, and natural disasters such as hurricanes and floods.*

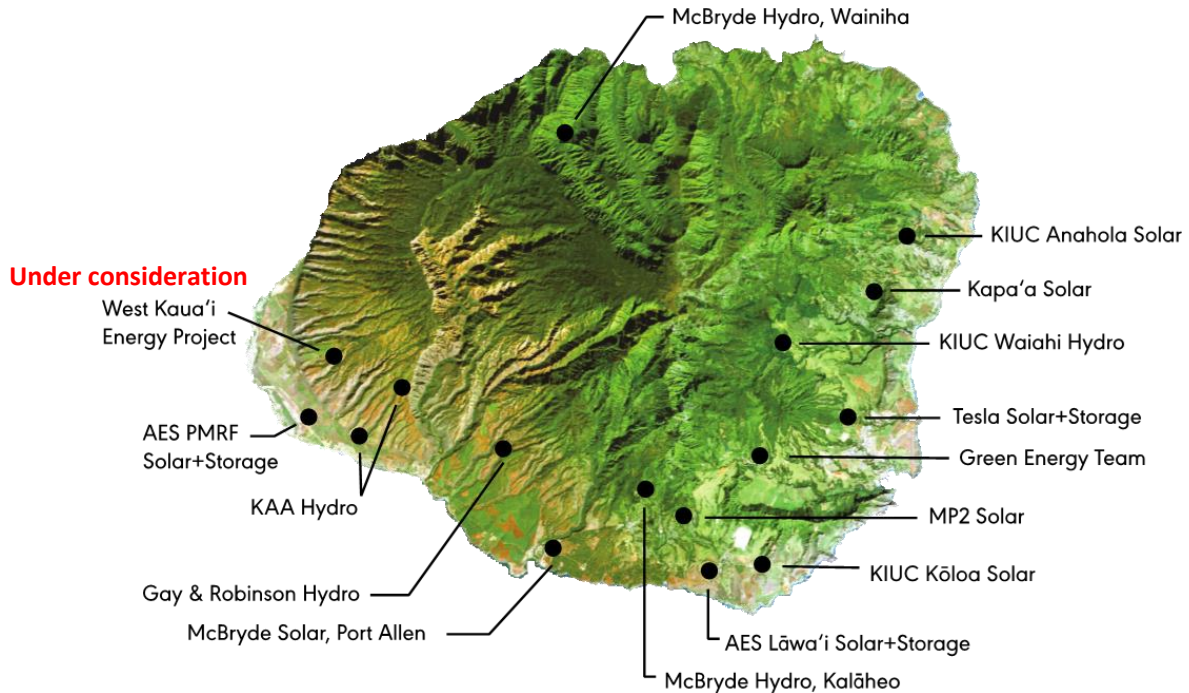
Goal: 100% Renewable by 2033

KIUC Fuel Mix 2023

57.9%
Renewable

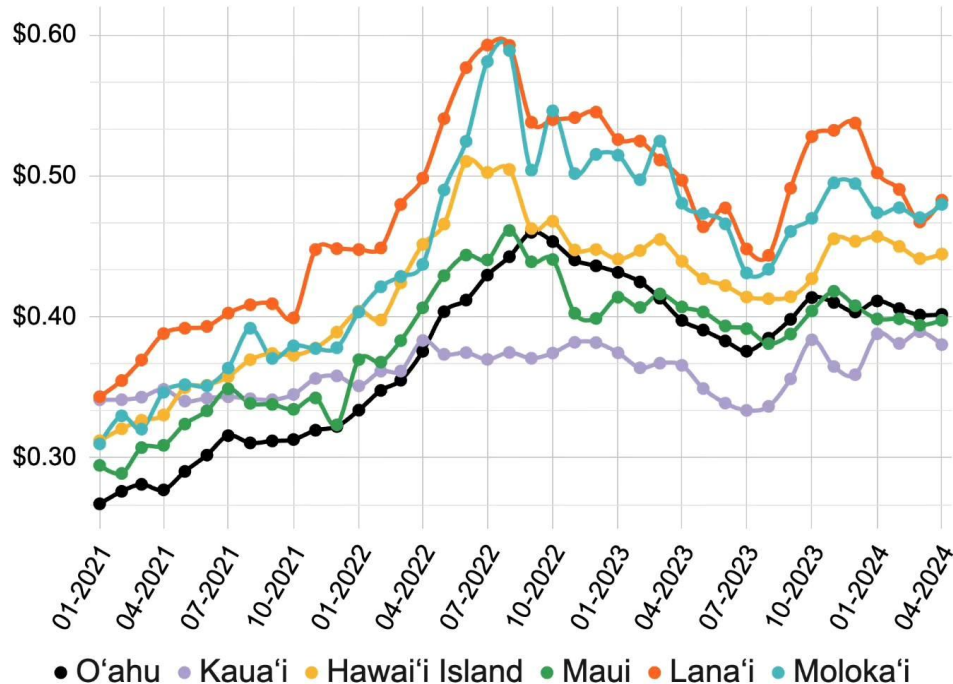


KIUC Renewable Resources

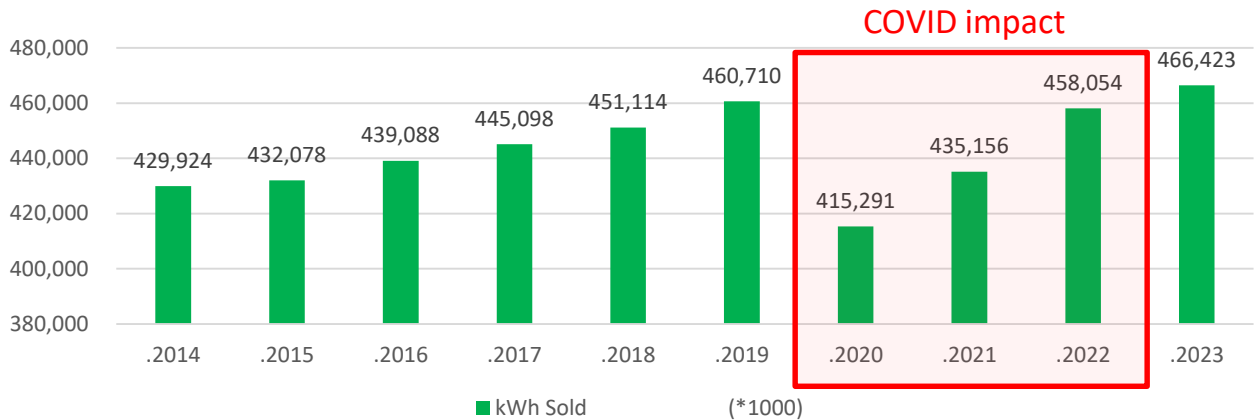


Renewable Energy and Rates

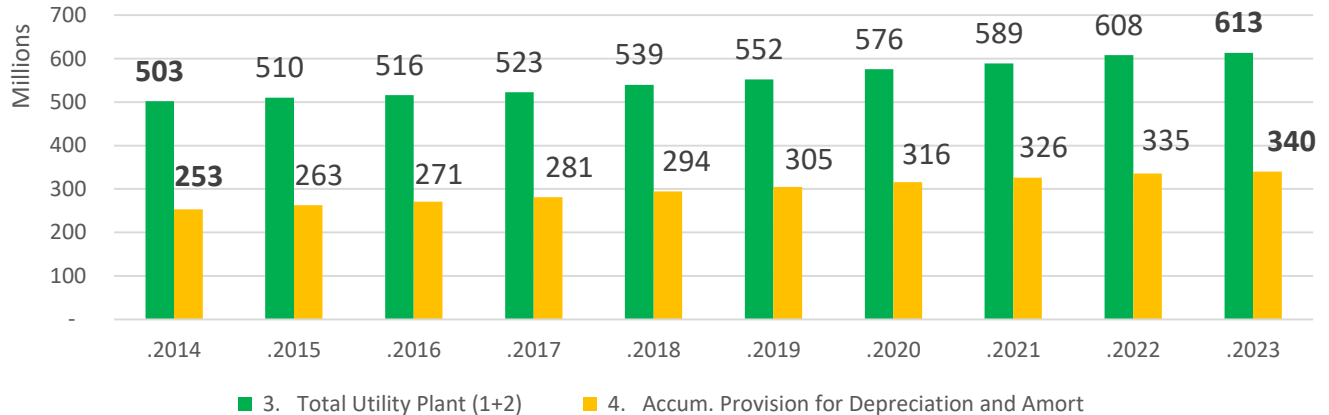
3+ Years of Avg Cost/kWh - 2021 through 4/24



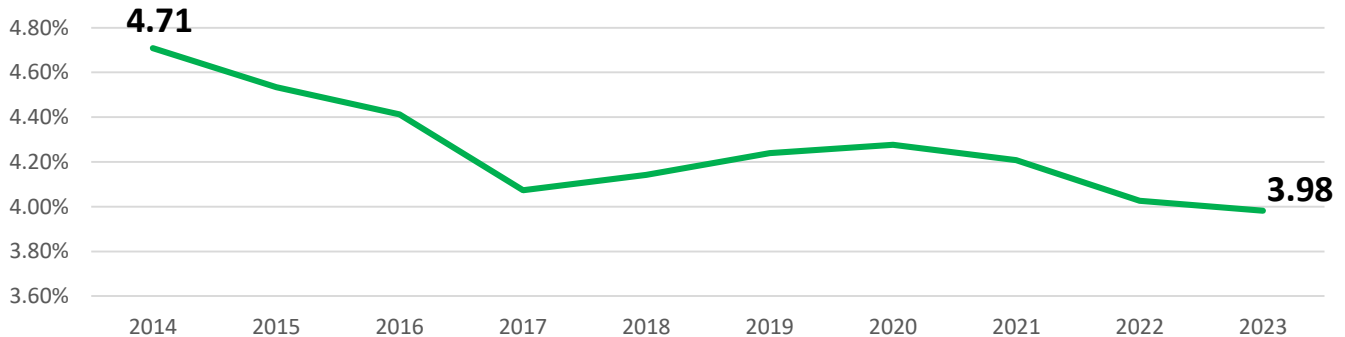
Kilowatt Hour (kWh) Sales



Utility Plant



Weighted Average Cost of Capital



New Renewable Projects

- Received first delivery of Pacific Biodiesel in June 2023
- Solar + Battery RFP in progress



West Kauaʻi Energy Project

- Development of full project as presented in environmental assessment has been discontinued
- Potential for scaled back project:
 - Pumped storage hydro powered by solar + battery
 - Solar + battery storage only



Federal Funding

- Total received 2022-2023: \$25 million
- Three projects:
 - Kauaʻi North Shore Resiliency Project, \$1 million (using battery storage to mitigate the impact of outages in remote areas)
 - Utility Solar Grid Forming Technology, \$21 million (adding battery storage to three existing solar facilities)
 - Synchronous Condenser Conversion Technology
\$3 million (converting a generator at Port Allen to run without diesel to provide grid stability during periods of 100% renewable)

Additional \$13,300,000 in requests pending

- ***Wildfire Mitigation***
- ***Princeville Underground Improvements***

Wildfire Mitigation

Initial Wildfire Mitigation Plan completed in May

- Stakeholder discussions ongoing



Electric Service Impact?

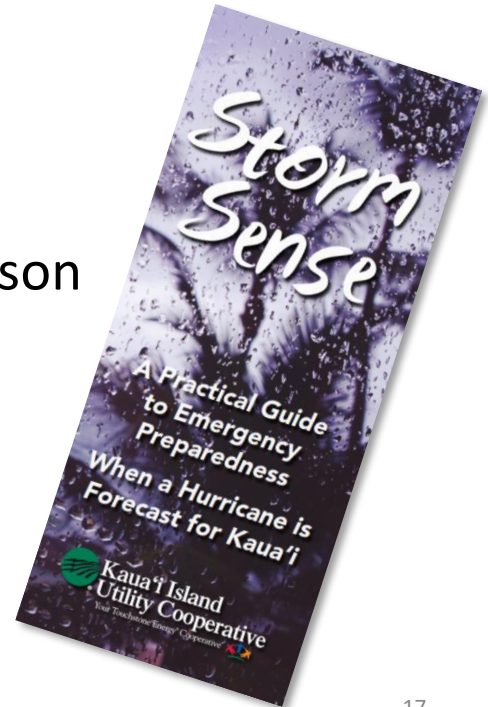
- Real-time weather conditions on Kauaʻi will help inform decisions based on locally sited weather stations owned by KIUC and others
 - More sensitive system settings planned during Red Flag Warning periods
 - Outages could be more frequent and longer
 - KIUC crews will need to patrol lines before re-energizing
 - Localized shutoffs could occur in extreme conditions
- Member communication prior to and during extreme fire conditions will be area of emphasis

Cooperative Difference

- Access to low-cost federal funding for system improvements through USDA's Rural Utility Service loans
- FEMA cost reimbursement for restoration costs incurred during presidentially declared disaster (up to 75%)
- Some federal grant opportunities require only 33% match from cooperatives

Emergency Preparation

- Members should always be prepared for potential extended power outages during extreme weather
- We are officially in hurricane season
- See Storm Sense area on our website (KIUC.coop) for more information on emergency preparation



Other Priority Projects

- Habitat Conservation Plan



Mahalo!

