

west kaua'i energy project



Agribusiness Development Corporation Board of Directors
January 2022



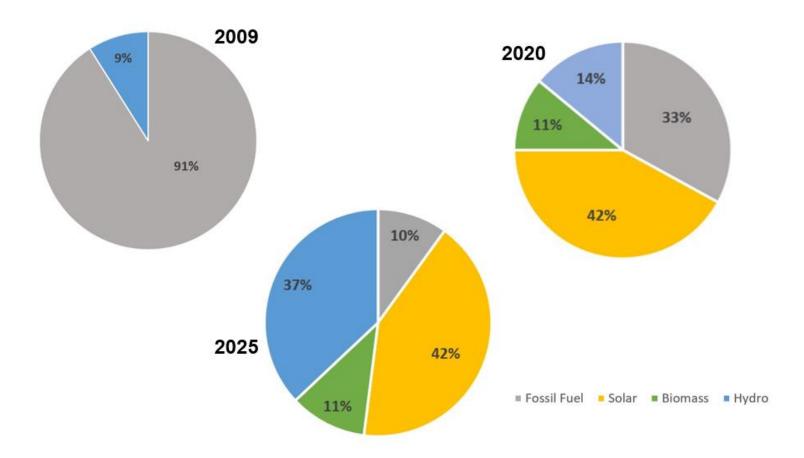
Kaua'i's 100% Renewable Challenge

- 100% of Kaua'i's daytime demand for electricity routinely met by renewables
- Solar and battery limitations
 - Sun dependent
 - Short duration storage
- Long-duration storage needed to achieve 100% renewable at night and during prolonged periods without solar





KIUC Fuel Mix

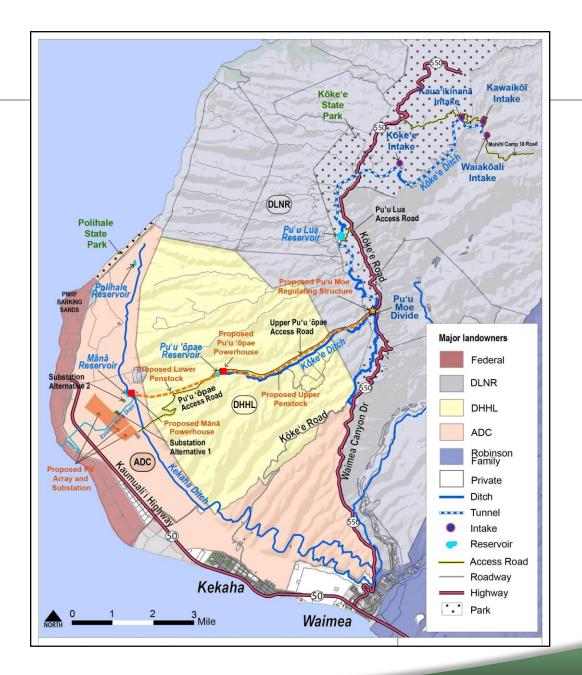




Integrated Energy Project Proposal

- Renewable energy resource for island of Kaua'i
 - 24 MW of pumped storage hydro
 - Solar used as power source for pumping
 - Store and release hydro
- Irrigation water delivered through ditch and project pipeline to DHHL lands and ADC/KAA
- Primary project components
 - Koke'e ditch repairs and upgrades
 - Rehabilitation, operation and maintenance of Pu'u Lua, Pu'u 'Ōpae, and Mānā reservoirs
 - Two new sections of buried pipeline
 - Two new powerhouses







Benefits to KIUC Members

- Partnership with DLNR, DHHL, and ADC to reduce the impact of climate change by eliminating usage of more than 8 million gallons of fossil fuel per year with an estimated annual reduction of 80,000 tons of CO2e
- Supports DHHL plans to develop agriculture homestead lots and other diversified agriculture
- Member-owned legacy project that provides long-duration storage, improved reliability and rate stability
- Capable of meeting up to 25% of island power needs
- Generates when solar isn't available
- Increased number of jobs available during the construction phase



ADC Benefits

- ✓ Rehabilitation and maintenance of Koke'e Ditch system
 - ✓ 4 diversions
 - ✓ Koke'e ditch
 - ✓ Pu'u Lua, Mānā and Pu'u 'Ōpae reservoirs
- ✓ Lease payment revenue stream
 - ✓ Mānā Reservoir
 - ✓ Mānā Powerhouse
 - ✓ Mānā solar field
- ✓ Delivery of irrigation water



ADC Benefits

- Compatible Agriculture Options with Solar Array
 - Discussions in process with KAA and local farmers regarding potential options
 - Potential compatible options identified, more due diligence needed
 - Land Use Commission approval required



WKEP Project History

- ✓ ROE's for due diligence on the project dating from 2014
- ✓ November 16, 2016 ADC Board approved (1) withdrawal of portions of Kōke'e Ditch and Mānā Reservoir from KAA License, and (2) Issuance of 5 year land license with an option to convert to 65 year lease
- ✓ January 27, 2016 Executed Letter of Intent that broadly set forth terms and conditions of WKEP to serve as a guideline for continued discussions and negotiations
- ✓ Presentations to ADC Board
 - ✓ Feb and August 2014
 - ✓ May and December 2015
 - ✓ November 2016
- ✓ April 2017: Waimea River Mediation Settlement



WKEP Project Status

- Development agreement signed with AES in December 2020
- Chapter 343 environmental compliance in process
- PUC approval of PPA with AES received December 2021
- Various lease/license agreements pending with ADC
 - License renewals Mānā Reservoir and Kōke'e Ditch (expire October 2022)
 - Solar land license/lease
 - AES subleases Mānā Reservoir, Kōke'e Ditch and solar land



Role of AES

- Development/Construction/Operation
- AES is proven partner of KIUC
 - Presence in Hawai'i for more than 25 years
- AES is a world leader in renewables; experience with similar projects
 - 6,379 MW of hydro capacity in Central and South America
- Financial risk shifted from cooperative to development partner
- AES can utilize federal and state tax credits; maintaining the cost of the project which translates into rate savings for KIUC members at similar level as projected for KIUC developed project



Mahalo and Questions

