



**KALAELOA**  
**PARTNERS, L.P.**

*Clean and Efficient Energy*

**ALOHA**

Bio-Economy Hawai'i  
Forum 2022



# “What we are working on now”

## Daily Balance



### **Supporting Hawai‘i’s Clean Energy Goals**

De-carbonization and 100% renewable generation by 2045. Support for “On Peak” generation from renewables.



### **Grid Stability by Supporting Renewable Generation**

Providing firm capacity for intermittent wind, solar and battery storage “as available” supply during transition of technological enhancements. Lessons learned during pandemic.



### **Providing Essential Firm Capacity**

For over 30 years, provided grid stability with firm generation, addressing adequacy of supply issues and inclement weather.



### **Powering Hawai‘i’s Future**

Continue to provide firm reliable capacity for next 10-15 years. Exploration of biofuel conversion and capitalization of the facility.

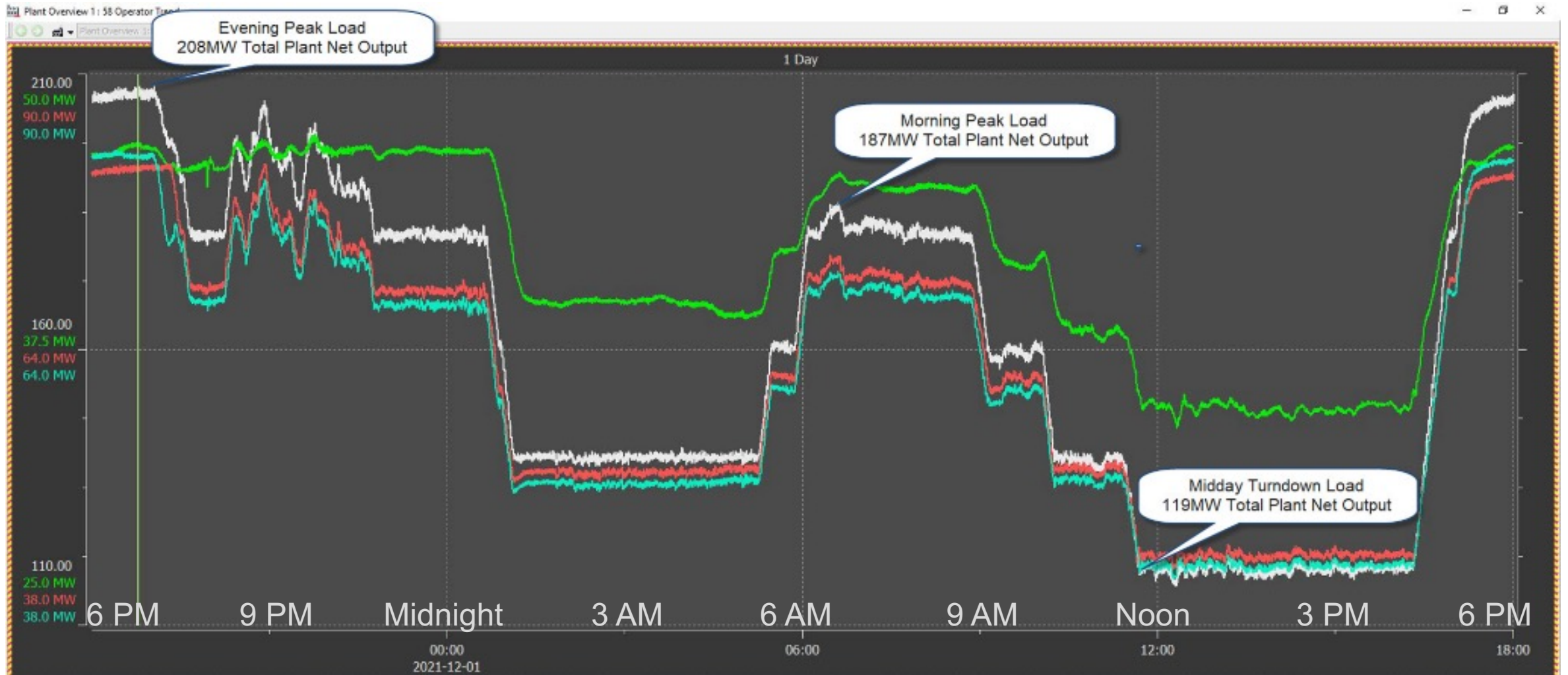


### **Meeting Hawai‘i’s Clean Energy Goals**

Ability to utilize biofuels pending upon utility and regulatory approval. Assessing options to secure competitively priced renewable fuels and implement conversion of facility.




# Supporting Hawai'i's Clean Energy Goals: Maintaining Grid Stability (Present)



At Home  


Go to Sleep  

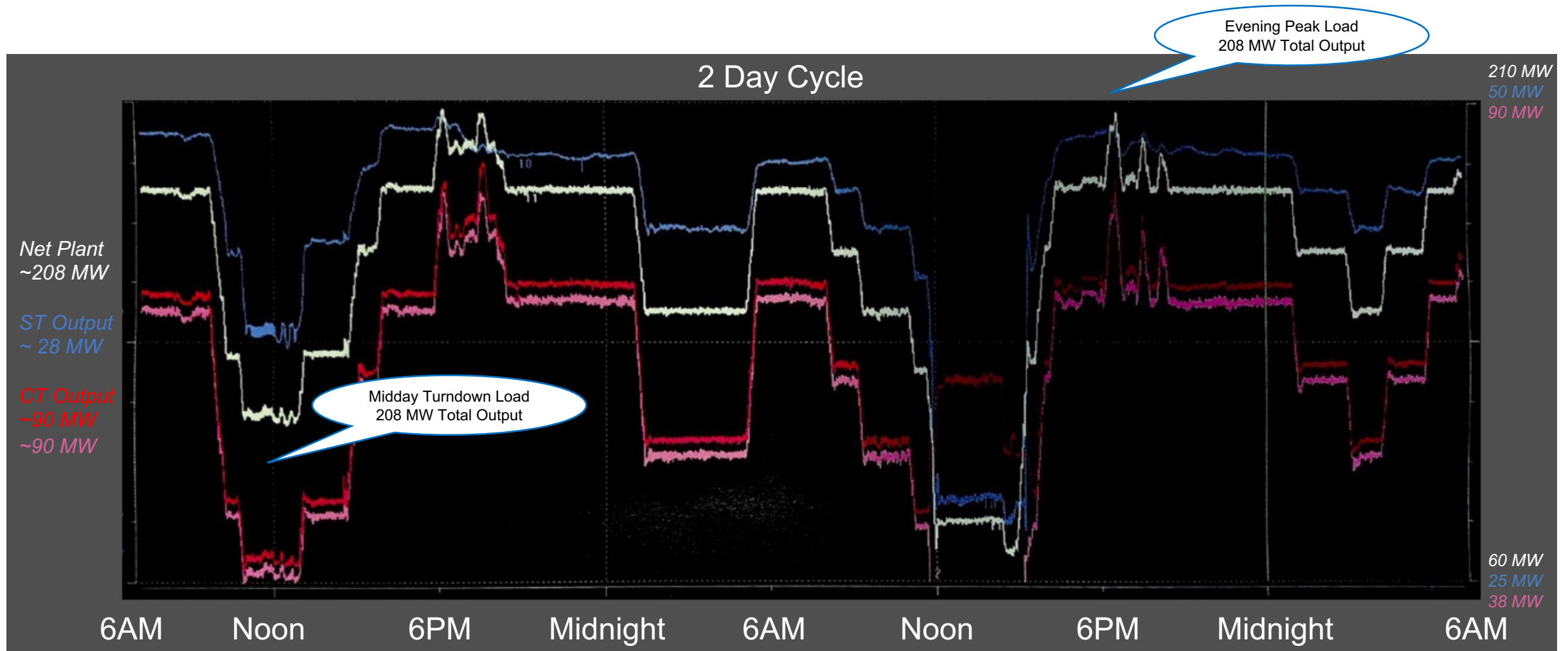

Wake Up  


Go to Work  


Go Home  

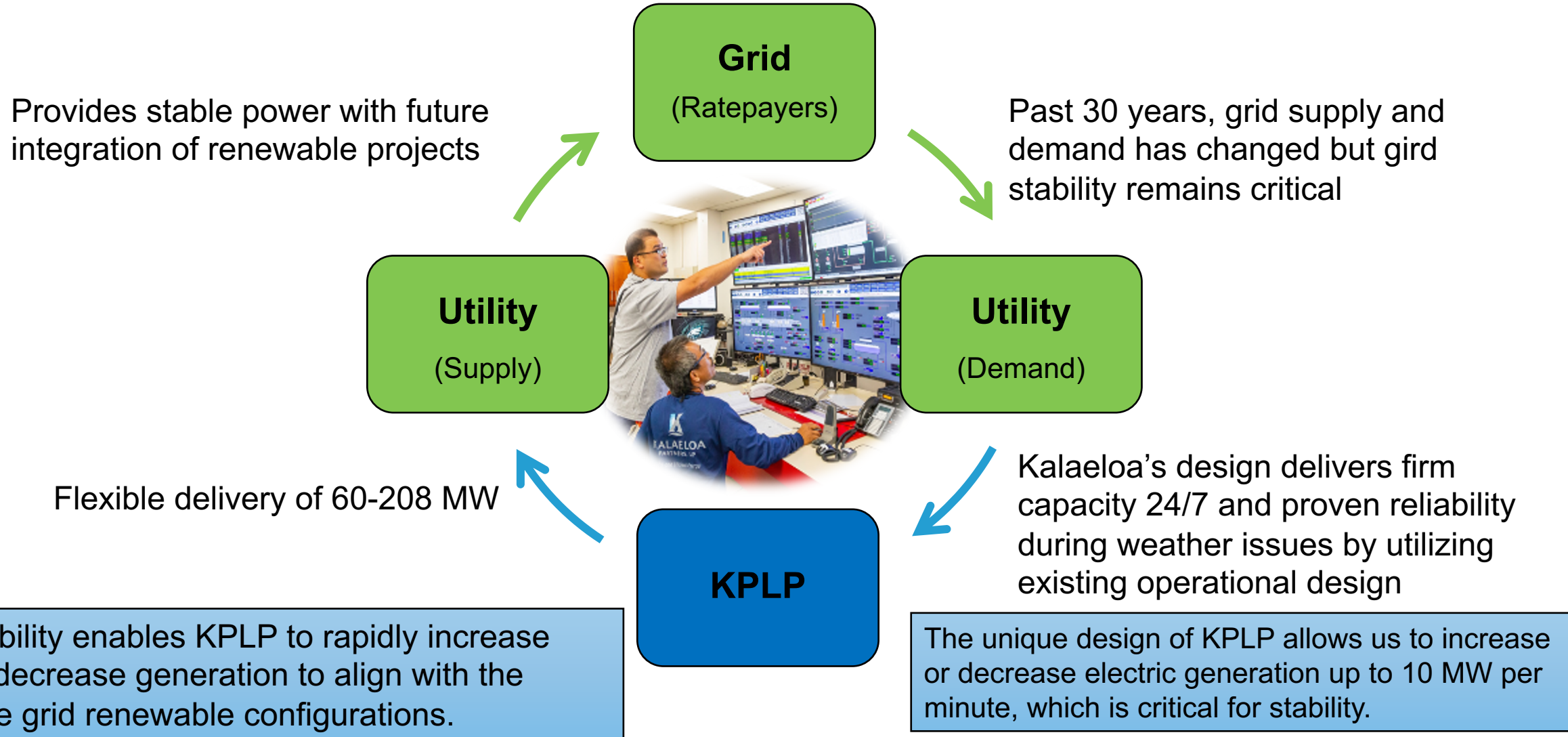



# Supporting Hawai'i's Clean Energy Goals: Maintaining Grid Stability (Future)





# Providing Essential Firm Capacity: Responding To Power Demand (Past and Present)



# Supporting Hawai‘i’s Clean Energy Goals

## Operation and Maintenance Feasibility Study (2019)

- Engineering & technical review of combustion turbines to utilize biofuels
- Findings: “No barriers to entry”

## Biofuels Market & Fuel Sourcing Review (2019-2021)

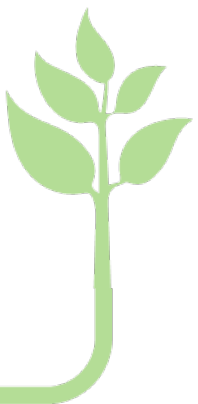
- Fuel Selection and Study (2019)
- Assessed biofuel market availability, transportation, logistics, infrastructure, permitting, utility & regulatory approval
  - Short Term 2023: 3-5 years, 2026-2028
  - Long Term 2023: 5-10 years, 2028-2038

## Infrastructure Study (Aug. 2021)

- Study of on-site logistics, preliminary engineering modeling scenario of import supply for biofuel

## Next Steps

- PUC approval of Amended and Restated Power Purchase Agreement between HECO and Kalaeloa Partners
- PPA includes HECO option to request fuel conversion, subject to PUC approval







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