Hawai'i State Energy Office Integrating Resilience Strategies

Chris Yunker
Managing Director of Resilience, Clean Transportation, and Analytics
September 30, 2024



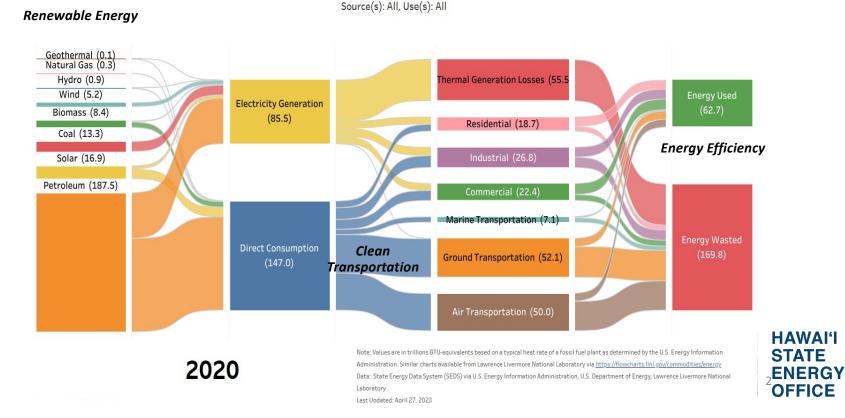
HSEO: Planning for a Decarbonized Economy

Matching development of RE and total demand across all sectors that creates greatest benefit

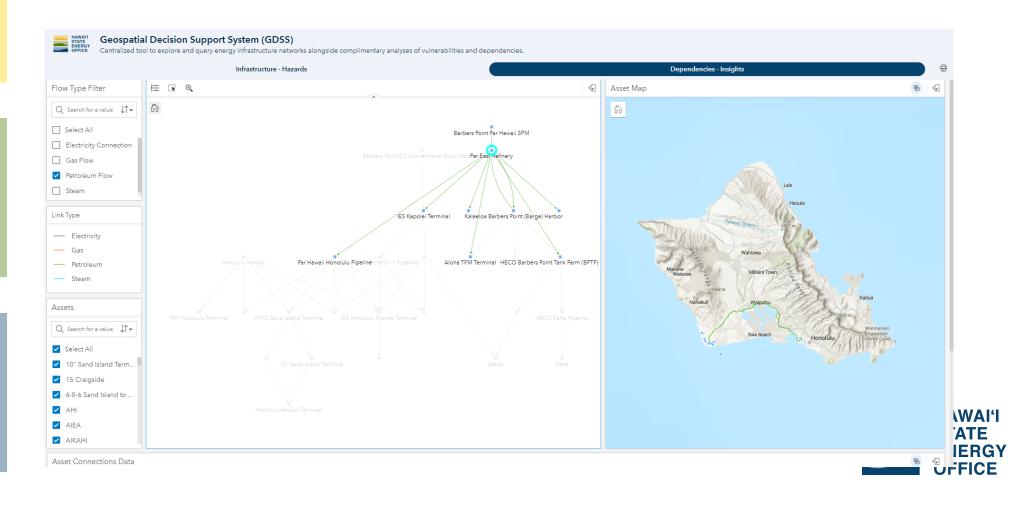
Estimated Hawai'i Energy Consumption: Sources and Uses

Statutory Goals

- Promote energy efficiency, renewable energy, and clean transportation
- To achieve a resilient clean energy netnegative carbon economy



Visualize CEI dependencies



Risk Assessment Methodology



- Specific to location
- Probability of occurrence on an annual basis, assigned to buckets
- Informed by historic climate data (NOAA, NWS, etc.) in collaboration with the State Hazard Mitigation Plan and probabilistic models
- Specific to asset type
- Can be interpreted as the expected outage duration from exposure to a given threat, bucketed 1-3
- Informed by subject matter experts

- Specific to asset
- Primary consequence represented as lost energy supply from asset outage
- Secondary consequence represented by cost to society of lost supply our focus with the CLKC dependency analysis
- Informed by analysis of asset and interdependency relation



Aloha

