Summary

This document is a master schedule to provide a common operating picture of the overall progress to replace the electricity currently provided by the coal plant. On the next page, the grey line items are PUC approved measures. Lines beneath these may be projects or initiatives that fall under each PUC docket. Colored boxes indicate key milestones or project commercial operation dates.

Purpose

On March 30, 2021, by Executive Order 21-01, Governor David Ige established the Powering Past Coal Task Force to convene stakeholders to increase transparency, coordination, collaboration, and urgency to timely facilitate, coordinate, and align the reviews and approvals needed for the measures and projects that the PUC approved to replace the electricity and grid stability currently provided by Hawai'i's last coal-fired power plant, located on O'ahu.

To achieve the Task Force objectives, a primary activity of the Task Force is to develop and maintain a Master Schedule, as shown on next page, which provides a timeline and status summary of the measures and projects needed to replace the coal plant with renewable energy.

These measures and projects will collectively support O'ahu's transition away from fossil fuels.

The coal plant’s generation capacity is 180 MW and in 2020 it provided 16% of O'ahu's electrical energy; notably, providing more energy during peak and non-daylight hours. It has been operating since 1992.

The Task Force is chaired by the Chief Energy Officer of the Hawai'i State Energy Office and includes members from State and City and County of Honolulu government, the Hawai'i State Legislature, Hawaiian Electric, renewable energy development companies, and energy-related public interest groups.

The Task Force is not a policy-making or decision-making body and does not pursue statutory or administrative rule changes.

Terms and Abbreviations Used

COD - Commercial Operations Date - Target date for a project to begin commercial operations.

COIF - Company Owned Interconnection Facilities

Force Majeure - Contract clause that removes liability to parties for unavoidable and unexpected events that prevent parties from fulfilling contractual obligations (e.g., unforeseen supply shortages or natural disasters).

GCOD - Guaranteed Commercial Operations Date - Contractually binding date for a project to begin commercial operations.

HECO - Hawaiian Electric Company - The only electric utility servicing the island of O'ahu, part of Hawaiian Electric.

IRS - Interconnection Requirements Study - A study to establish the requirements for interconnection of a Generating Facility with the HECO’s Distribution System

MW - Megawatt - Measurement of power, capacity, or demand. Represented below as generating capacity of a project.

PPA - Power Purchase Agreement - A contract for an electric utility to purchase energy and or capacity from a commercial source (e.g., utility scale solar project) at a predetermined price or based on pre-determined pricing formulas.

PUC - Hawai'i Public Utilities Commission

RPS - Renewable Portfolio Standard - A goal for the percentage of electricity sales in Hawai'i to be derived from renewable energy sources.

Utility RPS - The percentage of a utility’s electricity sales that comes from renewable energy. In the case of Hawaiian Electric, its Utility RPS is a combination of the three electric utilities servicing O'ahu, Maui County (Maui, Moloka'i, Lāna'i), and Hawai'i island: respectively, Hawaiian Electric Company (HECO), Maui Electric Company (MECO), and Hawai'i Electric Light Company (HELCO).

Schedule Legend (Updated January 2022)

| Green  | On Target to Meet GCOD |
| Yellow | At Risk of Meeting GCOD |
| Red    | Will Not Meet GCOD |

Disclaimer: The information represented below is public and can be found within the PUC dockets. The project schedule is evolving—what is represented on the next page is subject to future additions and changes. For the most up-to-date information on the status of each project, HSEO recommends referencing the PUC dockets and/or appropriate agencies regarding the status of their approvals. Additional information can be found in the individual PUC dockets and on the project webpages, all of which are linked within the schedule on the next page.

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Url: https://energy.hawaii.gov/ppctf
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<th>Measure</th>
<th>Duration</th>
<th>Details</th>
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<td><strong>PUC Approved Measures to Enable Oahu to Replace the Coal Plant</strong></td>
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<td><strong>Distributed Energy Resources (DER) Battery Plus</strong></td>
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<td><strong>RPS</strong></td>
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<td><strong>Utility Link Capacity of the Coal Plant</strong></td>
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<td><strong>2007-0341 Demand Side Response - Grid Services Purchase Agreements</strong></td>
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*These measures are not currently items that are Task Force priority; however, they play an important role in ensuring Oahu meets the production capacity requirements necessary to retire the coal plant and meet renewable energy goals. Measures may be brought to the Task Force should the need arise.*
<table>
<thead>
<tr>
<th>Project</th>
<th>Description</th>
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| **Molokai Solar (Stage 1)** | - Precompliance continued for generating facility and scrubber facility. - New CPV design for CPV scrubber system is being finalized. - Effort to retain current PPA interpretation for EIA PV system. - Revised CPV design is being finalized. - Coordination with PUC for CPV scrubber system.
| **Wind Farms Solar (Stage 1)** | - Transition from project to operations. - Final inspection and testing of wind farms.
| **Kapalai Energy Storage (AES) (Stage 2)** | - Project is moving forward with testing and commissioning.
| **Moanalua View Solar (Stage 2)** | - Project is progressing with design and construction.
| **Arakawa Solar 4 (Stage 1)** | - Project is progressing with permitting and construction.
| **Kapalau Solar 3 (Stage 1)** | - Project is progressing with design and construction.
| **Rocky Ridge Wind Farm (Stage 1)** | - Project is progressing with design and construction.
| **Maunaloa Solar (Stage 2)** | - Project is progressing with permitting and construction.

**Notes:**
- All risks noted in the graph are associated with the individual project.
- The graph is updated weekly to reflect changes in project status.
- The positioning of the projects on the graph is based on their expected completion dates.
- The color coding indicates the current status of the project:
  - Green: On schedule
  - Orange: Behind schedule
  - Red: Delayed
- The size of the circles represents the project size.
- The graph is intended to provide an overview of the project statuses and does not represent the actual scale of the projects.

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- Comments: energypolicy@puc.hawaii.gov
Powering Past Coal Task Force – Master Schedule Detailed

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**RH2-0341 Demand Side Management (DSM)**

- **2018-0163 Microgrid Services Tariff**: This measure is administered through a third party, Hawaii Energy. The goal is to contribute towards Hawaii’s pursuit of its statutory 100% clean energy goals by 2045 while helping ratepayers lower their energy costs.
- **Programs that incentivize and facilitate the development and use of microgrids**: These programs include incentives for the development and use of microgrids throughout Hawaii, with the exception of Kauai. The programs are designed to encourage consumers to modify their level and pattern of electricity usage.
- **Recent Developments**: As of 4-22, the rebate pilot for exchangeable battery storage is ongoing.

**RH2-0135 Green Infrastructure Loan Program - Green Energy Market Securities Rebate Pilot**

- **5-27-21**: Hawaiian Electric introduced the Power Move program which consists of incentives for commercial battery storage projects under Power Move will not only help to shift demand from evening peak (5p.m.- 9 p.m.) but also help to help inform future DR readiness and grid modernization.
- **4-14-22**: RFP for Tranche 1 is open and accepted. This measure is intended to encourage and facilitate the development and use of new microgrids throughout Hawaii, with the exception of Kauai. A microgrid is defined as a group of interconnected loads and distributed energy resources within clearly demarcated electrical boundaries that acts as a single self-governing controllable entity with respect to the utility’s electrical grid to operate in near-term increments or support the rollout of emergency demand response initiatives with targeted incentives.
- **6-30-23**: Hawaiian Electric and Tri Global Energy announced opening of RFP for Tranche 2. Island-wide business can participate.

**RH2-0163 Microgrid Services Tariff**

- **5-17-21**: Hawaiian Electric introduced the Power Move program which consists of incentives for commercial battery storage projects under Power Move will not only help to shift demand from evening peak (5p.m.- 9 p.m.) but also help to help inform future DR readiness and grid modernization.

**RH2-0010 Energy Efficiency – Public Benefits Fund**

- **8-3-21**: PUC approved the Energy Efficiency bond program, which is designed to encourage and facilitate the development and use of microgrids throughout Hawaii, with the exception of Kauai. A microgrid is defined as a group of interconnected loads and distributed energy resources within clearly demarcated electrical boundaries that acts as a single self-governing controllable entity with respect to the utility’s electrical grid to operate in near-term increments or support the rollout of emergency demand response initiatives with targeted incentives.

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