Powering Past Coal Task Force - Master Schedule



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 coal plant is planned for retirement on SEPTEMBER 1, 2022, as indicated by the vertical black line in the Master Schedule. State law prohibits the use of coal for power generation in Hawai'i after December 31, 2022.

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.

Hawai'i RPS = 100% renewable energy for electricity consumption by 2045

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 =	Yellow =	Red =	
On Target to Meet GCOD	At Risk of Meeting GCOD	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.

Publish Date: June 2022, Questions can be sent via email to Monique Schafer, Monique.m.schafer@hawaii.gov, at the Hawai'i State Energy Office. Url: https://energy.hawaii.gov/ppctf



PUC Docket Numbe and Link	PUC Approved Measur to Replace Generation and Capacity of the Co Plant Utility-Scale Projects (Developer	Production Capacity (MW)	Estimated Utility RPS Percent Contribution		21-Sep	21-Oct	21-Nov	21-Dec 22-Ja	an 2	22-Feb 2	2-Mar 22-Apr	r 22-	-May 22-Jun	22-Jul	22-Aug	22-Sep 7707-1-6	22-Oct	22-Nov	22-Dec	23-Jan	23-Feb	23-Mar	23-Apr	23-May	23-Jun	23-Jul	23-Aug	23-Sep	23-Oct 23	Nov 23-Di	// 24-Mar
2018-0434	Mililani I Solar (Stage 1)	Clearway Energy Group LLC; Global Infrastructure Partne	39 ers	1.2						permits rece ceptance Tes	≘ived sting complete			CSAT Testi 6-14-22 to 28-22	New GCOD 7-31-22		Plant Retirement															
2018-0435	Waiawa Phase 1 Solar (Stage 1)	Clearway Energy Group LLC; Global Infrastructure Partne	36 ers	1.2						:	• All permits rece • Equipment deli	ived impacting rery ongoing compon	ghai shutdov ting delivery onents Fie permit ou	of BESS			Accelerated GCOD 9-30-22		Estimated COD** 11-22-22	Original Non-Accelera GCOD 12-1-22	ted											
2019-0050	AES West O'ahu Solar (Stage 1)	AES Distributed Energy Inc.	12.5	0.4							1	Mar- 22: Grading Permit approve	ig Ele	May-22: Building and ectrical Permit (DPP & AE May-22: Construction ticipated to start	5)		Previous GCO 9-7-22 (old PPA)	OD.			New COD 1-20-23	Estimated COD 2-8-23										
2020-0136	Kapolei Energy Storage (KES) (Stage 2) Plus Power	185 (Storage)	0.1							r	nar-22: Grading permits eceived ite mobilization started	exp	ay-22 Building permits pected (DPP & AES) - llayed						GCOD 12-30-22			Estimated COI 3-23-23	D								
2020-0139	Mountain View Solar (Stage 2)	AES Distributed Energy Inc.	7	0.3													Sep-22 Const Anticipated to								GCOD 5-17-23	COD 6-15-23						
2020-0137	Waiawa Phase 2 Solar (Stage 2)	AES Distributed Energy Inc.	30	1.2													Sep-22 Const anticipated to													GCOD 10-30-23	/13/2023	
<u>2018-0431</u>	Ho'ohana Solar 1 (Stage 1)	174 Power Global; (Hanwha Energy Corporation; Forest City Sustainable Resources)	52	1.4							1	-15-22: Grading Permit IPDES permit issued, ite Clearing began	it &															GCOD 8-31-23				// Estimated COD 3-4-24
2020-0140	Mahi Solar (Stage 2)	Longroad Energy	120	3.1	-								De	oject cclared Null - d Void	-	-	-	Q4-22 Constru anticipated to delayed)	uction- o start (likely	-	-	-	-		-	-					Origi 12-31	Hal GCOD // With PPA-Amendment 3-31-24
	9-1-22 Based on Current ot including storage)	GCOD	39 236.5	2.4 8.9																												
2019-0323	Distributed Energy Re	sources (DER)			Battery Plus					2	2-18-22	-25-22 4-22-22	2 5-2	74-22																		
					D	0.00.04.75	10-29-21 TF	12-1-21 TF	01.06.22.75		1.43MW 4																					
			50	TBD	Program Started 07-19-21	Update:	Update: 1.32 MW	Update:	Update: Upda 3.47MW 3.97M	ate: 4	150kW 7		1W 1.3			Goal 15MW Anticipate 5-7MW										Program Enrolli Jun-23	nent Ends					
2015-0389	Community-Based Re Palailai Solar 1 KHLS	newable Energy (CBRE) - :	Shared Solar 3 1.72	TBD	Started 07-19-21	Update:	Update:	Update:	Update: Upda	ate: 4	150kW 7	90kW 1.01 MV	1W 1.3	37 MW		Anticipate		Original GCOD 10-29-22	D	GCOD 12-17-22	New Revised GCOD 1-27-23		COD March 2023			Program Enrolli Jun-23		COD Estimate Aug 2023				
	Palailai Solar 1 KHLS Phase 2		3	TBD	Started 07-19-21	Update:	Update:	Update:	Update: Upda	ate: 4	450kW 7	90kW 1.01 MV	IW 1.3 ional ope	37 MW erational		Anticipate	ŀ		D	GCOD 12-17-22			COD March 2023			Program Enrolli Jun-23		COD Estimate Aug 2023				
	Palailai Solar 1	blic Benefits Fund *	1.72 105 capacity lir	nit TBD N/A – Energy Efficiency	Ongoing	Update:	Update:	Update:	Update: Upda	ate: 4	450kW 7	90kW 1.01 MV perational operatio	IW 1.3 ional ope	37 MW erational		Anticipate			0	GCOD 12-17-22			COD March 2023			Program Enrolli Jun-23						
	Palailai Solar 1 KHLS Phase 2 Energy Efficiency - Pul General Energy Efficie Programs for Demand	blic Benefits Fund * ncy Hawai'i Energy	1.72 105 capacity lir ~ 20 to 22 MW per year	N/A – Energy	07-19-21	Update:	Update:	Update:	Update: Upda	ate: 4	450kW 7	90kW 1.01 MV perational operatio	IW 1.3 ional ope	37 MW erational		Anticipate			D	GCOD 12-17-22			COD March 2023			Program Enrolli Jun-23						
	Palailai Solar 1 KHLS Phase 2 Energy Efficiency - Pul General Energy Efficie Programs for Demand Side Management Hawai'i Energy Power	Hawai'i Energy Hawai'i Energy	1.72 105 capacity lir ~ 20 to 22 MW per year	N/A – Energy Efficiency	07-19-21	Update:	Update:	Update:	Update: Upda	ate: 4	450kW 7	90kW 1.01 MV perational operatio	IW 1.3 ional ope	37 MW erational		Anticipate				GCOD 12-17-22			COD March 2023			Jun-23						
2007-0323	Palailai Solar 1 KHLS Phase 2 Energy Efficiency - Pu General Energy Efficie Programs for Demand Side Management Hawai'i Energy Power Move Program Power Move Commer Battery Storage Rebat Pilot Microgrid Services Ta	Hawai'i Energy Hawai'i Energy	1.72 105 capacity lir ~ 20 to 22 MW per year ~2-3 MW per y	N/A – Energy Efficiency	07-19-21	Update:	Update:	Update:	Update: Upda	ate: 4	450kW 7	90kW 1.01 MV perational operatio	IW 1.3 ional ope	37 MW erational		Anticipate				GCOD 12-17-22			COD March 2023			Jun-23		Aug 2023				
2007-0323	Palailai Solar 1 KHLS Phase 2 Energy Efficiency - Pul General Energy Efficie Programs for Demand Side Management Hawai'i Energy Power Move Program Power Move Commen Battery Storage Rebat Pilot Microgrid Services Tal	Hawai'i Energy Hawai'i Energy	1.72 105 capacity lir ~ 20 to 22 MW per year ~2-3 MW per y ~ 4 MW see Battery Bonus Count	N/A - Energy Efficiency N/A - Energy Efficiency N/A - Energy Efficiency TBD	07-19-21	Update:	Update:	Update:	Update: Upda	ate: 4	450kW 7	90kW 1.01 MV perational operatio	IW 1.3 ional ope	37 MW erational		Anticipate				GCOD 12-17-22			COD March 2023			Jun-23		Aug 2023				

^{*} These measures are not currently items that are Task Force priority; however, they play an important role in ensuring O'ahu 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.



PUC Docket Number and Link	PUC Approved Measure to Replace Generation and Capacity of the Coal Plant	Developer	Project or Task Update		Production Capacity (MW)	Estimated Utility RPS Percent Contribution	Guaranteed Commercial Operations Date
2021-0024 2018-0434	Utility-Scale Projects (St Milliani I Solar (Stage 1)	ge 1 and 2) Clearway Energy Group LLC; Global Infrastructure Partners	Permits - Complete, All Espected to be Closed by 6-30-22 Land Rights - Secured Procurement and Delberry - Complete Construction - Oneoing Week-Install Complete of the facility occurred 3-14-22. **Wetchanical Complete of other facility occurred 3-14-22. **stablishion of BITS - equipment was completed in March. **stablishion of BITS - equipment was completed and one of the commissioning has commenced. **Energization of dustations completed and one of the commissioning has commenced. **Completed on Substation completed. **School Completed Substation Completed Substation Completed Substation Substat	Testing * 1:19:22: All acceptance tests successfully passed. * 1:19:22: CAT scheduled to start, anticipated timeline to be compressed from 84 days to 44 days. P2A * Oct 21: PUC approved accelerated PPA with tiered unit pricing. Unit pricing decreases if project does not achieve accelerated GCOD.	39	1.2	New GCOD 7-31-22 Estimated COD 7-29-22
2018-0435	Walawa Solar (Stage 1)	Clearway Energy Group LLC; Global Infrastructure Partners	Engineering/Design - Finalized Permits + Hawaiian Telecom utility Poles in progress. DPP rejected plans 4-20-22. Clearway to submit revised plans to DPP. Permit approval anticipated 6-3-22 Land Kights **COPF exement and Designer **COPF exement and Designer **Yourset 1000 delivered to HILL port, 60% delivered to site, 55% installed **Battery enclosures: Anticipated delivery for all units anticipated 7-37-22 (delayed - see below). **Battery enclosures: Anticipated delivery for all units anticipated 7-37-22 (delayed - see below). **The shut down in Shinghair resistlet in a approximate for units are being manufactured and have been assigned a bill, Houveer, on 3-13-22, Clearway nordfel shivakian listerities that the shipment of Dattery cargo is on hold due to fire hazard concerns being investigated by the Chinese Maritime Safety Administration at the terminal in Shanghai. Shipment of battery components out of Shanghai. Shipment of battery components out of Shanghai delayed until further notice.	Construction - Omering * Pile installation, substation foundation and equipment setting, PV invertor placement, underground cable installation, substation foundation and equipment setting, PV invertor placement, underground cable installation, 8ESs yard underground and foundation work, transmission line work, GenTie construction, Above ground Foc Dailing is complete. * Battery equipment installation dependent on arrival date. BESS ACC/DCC cabinets are set, 74 of 116 Quantum units have been delivered and set. The Complete in the Acceptance Test. **Newmains' referent Ground **Newmains' Testing** **Newmains' construction by Hawailian Electric is dependent on the Hawailian Telcom Circuit. **Tasting** **Aug.92: Acceptance testing to start, slipped from 5-2-22. Dependent on HTEL circuit (expected to be complete in late June-22 at earliest. **DC-22: CSAT projected to start.** **PAA** **DC-22: CSAT projected to start.** **POA** **DC-22: LSAT projected to start.** **POA*	36	12	New GCOD 9-30-22 Estimated COD 11-22-22
2019-0050	West O'ahu Solar (Stage 1)	AES West Oʻahu Solar, LLC.	Engineering/Design * 90% design competes for Generating Facility and Substation. * 90% design competes for COFF and COFF transmission Line, Revision and resubmission required due to 100% review competed for COFF and COFF transmission Line, Revision and resubmission required due to 100% review competed for COFF and COFF transmission Line, Revision and resubmission required due to comments +13-22. AES to provide corrections. * Building/Crading/Plan Review applications under review by DPP. Permit delays are expected to delay construction start and commercial operations. * Grading Rermit - Approved 45-22, Issued 4-39-32. * Grading Re	Procurement and Delivery * Mar '22: Inverters, revenue meter, and racking arrived. Equipment sent to storage pending permit receipt * Mar '22: Inverters, revenue meter, and racking arrived. Equipment sent to storage pending permit receipt * May through June 22: Circuit breakers, current and voltage transformers, and control building. * PV panel anticipated to start shipment 6-6 22: * Construction. Dengin * Construction Degan May-22, civil work and site clearing for generation and interconnection facilities commenced. * * Acceptance Test scheduled to start Nov-22. * * CAST scheduled to start Dec-22. * * * CAST scheduled to start Dec-22. * * * Amendment to PPA to address Force Majeure event was approved by PUC. Amendment included revised price and GCOD to offset the direct impacts of the Force Majeure and procure alternative parsels.	12.5	0.4	New GCOD 1-20-23 Estimated COD 2-8-23
2020-0136	Kapolel Energy Storage (KES) (Stage 2)	Plus Power	Engineering/Design * 90% design complete for Storage Facility, Substation, and COIF complete. * 850% design complete for Storage Facility, Substation, and COIF complete. * 851422 suilding permits for BESS expected, submitted 10-15-21, slipped from Feb, Apr, early May-22 (ICES & DPP) * 651422 suilding permit for Substation expected, slipped from May, Apr, May, submitted on 12-28-21 (ICES & DPP) * 654422 suilding Permit for GenTile expected, slipped from May-22, submitted 1-14-22 (ICES & DPP) * 654422 suilding Permit for GenTile expected, slipped from May-22, submitted 1-14-22 (ICES & DPP) * Executed Rights of Entry for Kapolel Properties Parcels	Procurement and Delivery * Jan-22: Plus Power received three Force Majeure notices from its inverter supplier. Current estimated impact to final delivery is 1 month, pushing operations from 12-20 to 3-10. (ICS) * Shut down in Shenchine resulted in 3 day delay, pushing anticipated COO to 3-23-23. * Another Force Majeure notice was received from Battery Supplier due to a manufacturing facility shut down. Impact of Force Majeure on COI is currently unknown. **Construction Supplier on COI is currently unknown. **Construction Supplier on COI is currently unknown. **Construction Supplier and Supplier Substation Building Permit Approval. **Construction Supplier	185 (Storage)	0.1	New GCOD 12-30-22 Estimated COD 3-23-23
2020-0139	Mountain View Solar (Stage 2)	AES Mountain View Solar, LLC.	Engineering/Design * ALS completed 60% design for Generation Facility and Substation 60%. Delay in design deliverables may delay procurement of certain equipment and potential execution of construction contract. * COTE 60% design package submitted 51 #322, company completed review 4-13-22 **Overhead line Approval / Interconnection and Design **Project layout and design studies and community engagement is ongoing. ALS requested that Hawaiian Electric delay overhead line approval to allow for further community engagement and incorporation of feedback. **Hawaiian Electric to file 46kV line extension to Commission in May.	Permits * April 22-HICRS submittal to SHPO. * April 22-HICRS submittal to SHPO. * May-22 CUP-Minor, Zoning Waiver, submitted Mar-22 * * * * * * * * * * * * * * * * * *	7	0.3	GCOD 5-17-23 Estimated COD 6-15-23
2020-0137	Walawa Phase 2 Solar (Stage 2)	Walawa Phase 2 Solar, LLC. (AES)	Engineering/Design * Identified risks include line extension conflicts with Walawa Stage 1 project and need for breaker replacement (system word). Brahilawa substation. * AES submitted 60% design for generation facility, step-up substation, and CDIF. Hawalian Electric reviewing 60% design. Design complete for generation and step-up substation. Delay in submission is resulting in a two-week impact to CDD. **Owerhead line Approad - Awailing PUC DSD * Hawalian Electric submitted overhead line approad on 3 24-22. * Hawalian Electric submitted overhead line approad on 3 34-22. * Hawalian Electric submitted overhead line approad on 3 34-22. * Hawalian Electric submitted greenhous gas analysis for the Overhead and Underground lines 5-23-22 * Permits * SHED! **LUC hearing on 3-23-22 and 4-14-22, continued to 5-25-22. Impacts of approval delay are under evaluation. (AES & LUC) **Maylune: NPDES, Conditional Use Permit, Zoning Walver, Building and Grading permits to be submitted. (AES, DPP, DOH)	Procurement and Delivery • Equipment arrival Q1 to Q2 2023. • PV panels, invertex; SSU transformers, and racking - ordered. • Frengy Storage, Groutil Breakers, Current and Voltage Transformers, Control Building, IC equipment, and Revenue Meter - To be Ordered May-22 Construction • Construction antiopated to start Oct-22, slipped from Sept-22. Tacking • Acceptance test scheduled to start 08-1-23. • CSAT scheduled to start Oct-23.	30	12	GCOD 10-30-23 COD 11-13-23
2018-0433	Hc'ohana Solar 1 (Stage 1)	174 Power Global; (Hanwha Energy Corporation; Forest Ciry Sustainable Resources)	Engineering/Design *Project seeing habitual slippage in engineering 60.90% design packages for generation facility, switchyard, step up substation, and company owned interconnection facilities. *Spid seeing in operaction facilities. *Spid seei	Land Rights	52	1.4	GCOD 8-31-23 Estimated COD 3-4-24
2020-0140	Mahi Solar (Stage 2)	Longroad Energy	Project Declared Null and Void May 6, 2022 - Will be removed from schedule next month.		120	3.1	Original GCOD 12-31-23
	Sum Online Before Coal Sum All Projects	Plant Retirement Bas	ed on Current GCOD		39 176.5		

Powering Past Coal Task Force - Master Schedule Detailed



PUC Docket Number and Link	PUC Approved Measure to Replace Generation and Capacity of the Coal Plant Distributed Energy Reso	Developer	Project or Task Update	Production Capacity (MW)	Estimated Utility RPS Percent Contribution	Guaranteed Commercial Operations Date	
	Battery Bonus Program		 PUC issued Decision and Order on 6-8-21 for HECO to implement a Schedule Dispatch Program (SDP) for commer generators to install battery storage for existing or added photovoltaic systems. New battery systems will discharge - Work with Stakeholders to develop strategy to ensure three permitting and interconnection is noise. 7-19-21. Battery Bonus program officially announced by HECO Applit Try Logist - 25 approved applications as of 4-2; persents a committed capacity of 5.44 MW, represents: May TF Update: 1196 approved applications as of 5-24, represents as committed capacity of 6.2MW, represents: 	50	TBD	June 2023 Program Enrollment Ends	
2015-0389	Community-Based Rene	wable Energy (CBRE) -	Shared Solar				
2015-0389	Palailai Solar 1 - Phase 1	ı	Sadineering * done-from Posign review completed by Hawaiian Electric, Company awaiting 90% design from Seller. * Bruilling Permit anticipated Jan -22, was not received waiting on permits to begin construction. No estimate from seller on when permits will be received. * Estimated 1.2 month delay anticipated due to additional review required for remaining permits from DPP. **Procurement** * PV Panels: -50% arrived Dec -21. * Equipment anticipated to arrive Q1 to Q3-22. Items delayed due to review time for remaining permits.	Construction • Construction anticipated to start June-22. Testing • Acceptance test anticipated Sep to Oct-22. • CAT anticipated Dec-22 to reb-23. P20 On 4-22 Hawaiian Electric and Tritium (seller) agreed to extend the GCOD to 1-27-23 from the original GCOD of 10-29-22.	3		New GCOD 1-27-23 COD March 2023
2015-0389	KHLS - Phase 1		Engineering/Design + 30% Design in progress for generation facility, step-up substation, COIF. + 0% design complete for distribution line, telecom, and remote work. + Engineering teams are hired. Permits + All discretionary permits received. + Apr-22: Estimated submittal date of building, stockpiling, and grading permits, slipped from Dec-21 and Jan-22 (DILS). Anticipated to receive Aug-22.	1.72		GCOD 12-17-22 COD Aug-23	
	Phase 2		- Capacity limit is 105 MW for Oahu. Hawalian Electric has application capacities of 75 MW Large Projects, 15 MW - 2-23-22: Hawalian Electric filled its final CBBE RFPs and Rule 29 tariffs. Shall be automatically approved 15 days af 9-3-17-22 Hawalian Electric officially announced opening of the Request for Proposals for CBBE Projects with Low-	105 capacity limit	TBD		
2007-0323	Energy Efficiency - Publi	c Benefits Fund					
	General Energy Efficience Demand Side Managem	cy Programs for ent	Docket includes energy efficiency measures that serve to decrease electricity sales and defer or decrease the necessary in the next column indicates the estimated decrease in required production capacity that can en	Average Total Reduction of 20 to 22 MW per year	N/A – Energy Efficiency	Ongoing	
	Hawai'i Energy Power N	Nove Program	 In preparation for the retirement of the AES coal plant on O'shu in September 2022, Hawai'l Energy introduced thours of 500 to 9:00 p.m. program will result in collective demand savings. Rebate incentives average 20% higher 5-2-22 Update 24 projects enrolled with a total of 600 7000 kp eak demand reduction. Program seeks to increase the energy efficiency of eligible commercial customers with exterior lighting, large scal 		2-3 MW per year	N/A – Energy Efficiency	Installation by 6-30-23
	Power Move - Commerc Rebate Pilot	cial Battery Storage	New to the efficiency portfolio, commercial energy storage projects under Power Move will not only help to shift programs in order to meet our clean energy and decarbonization goals. *The goal is to offer near-term incentives to boost participation in HECO'S DER programs or rate offerings, or support. Fair breaks will be available for commercial battery storage installed starting in March 2022 through August 2023 5-2-22 Update: No applications yet, although there are few leads on data centers.	ort the rollout of emergency demand response initiatives with targeted incentives.	Reflected in Battery Bonus Count Above - estimated 4 MW March 2022 – August 2023	N/A – Energy Efficiency	Installation by 8-31-23
2010-0103			PUC issued Decision and Order approving microgrid tariff 5-17-21. * MECO submitted microgrid tariff 5-27-21; the Microgrid Services Tariff is intended to encourage and facilitate the * A microgrid is defined as a group of interconnected loads and distributed energy resources within clearly defined grid and is connected to a public utility's electrical grid to operate in "grid connected mode", or can disconnect to o	electrical boundaries that acts as a single self-governing controllable entity with respect to the utility's electrical	TBD	TBD	
2017-0352	O'ahu Grid Services RFP		60	TBD	COD 9-1-22 for Proposals		
2014-0135			"A Murket Securitation (GRSS) * Leverages public-private capital to deploy clean energy infrastructure that will contribute towards Hawai's pursuit of its statutory 100% clean energy goals by 2045 while helping ratepayers lowe * 8-10-1; PUC establishes procedural schedule to review the Green Infrastructure Loan Program * Hawaii Green Infrastructure Authority agrees to include the number and value of loans made to finance purchase State Recolving Fund in the quarterly report.		TBD	TBD	
2007-0341	Demand Side Managem	(USMI)	Programs that incentivize residential, commercial, and industrial energy savings through rate schedules. DSM prodesigned to encourage consumers to modify their level and pattern of electricity usage. Docket includes tariffs and	grams generally consist of the planning, implementing, and monitoring activities of electric utilities which are prices to encourage lower consumption	TBD	TBD	

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Publish Date - June 15, 2022 (updated June 1, 2022). Questions can be sent via email to Monique Schafer, Monique.m.schafer@hawaii.gov, at the Hawaii State Energy Office.