



SUSTAINABLE ENERGY DEVELOPMENT AND ACCESS PROJECT (P165183)

EAST ASIA AND PACIFIC | Micronesia, Federated States of | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2019 | Seq No: 1 | ARCHIVED on 24-Mar-2019 | ISR36391 |

Implementing Agencies: Department of Resources and Development (DR&D), Pohnpei Utility Corporation (PUC), Kosrae Utilities Authority (KUA), Chuuk Public Utility Corporation (CPUC), Yap State Public Service Corporation (YSPSC), Federated States of Micronesia, Department of Finance and Administration (DoFA), Centralized Implementation Unit (CIU)

Key Dates

Key Project Dates

Bank Approval Date: 06-Dec-2018

Effectiveness Date: --

Planned Mid Term Review Date: 01-Jul-2021

Actual Mid-Term Review Date: --

Original Closing Date: 30-Nov-2023

Revised Closing Date: 30-Nov-2023

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

To improve reliability of electricity supply, expand access to electricity, and scale up renewable energy generation.

Has the Project Development Objective been changed since Board Approval of the Project Objective?

No

Components

Name

Improving Reliability of Electricity Supply in Pohnpei State:(Cost \$11.80 M)

Expanding Access to Electricity in Chuuk State:(Cost \$3.45 M)

Scaling up Renewable Energy Generation in Chuuk, Yap and Kosrae States:(Cost \$9.90 M)

Institutional Strengthening and Capacity Building in the Energy Sector:(Cost \$1.90 M)

Technical Assistance and Project Management:(Cost \$2.95 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	--	● Satisfactory
Overall Implementation Progress (IP)	--	● Satisfactory
Overall Risk Rating	--	● Substantial

Implementation Status and Key Decisions

The project will soon become effective as the following 2 required conditions will be achieved: FSM sign the loan financing agreement (already completed) and set up the designated account (expected by end of March).

The first implementation support mission post SEDAP approval took place from February 25-March 1, 2019 in Chuuk and Pohnpei.

The mission conducted a field visit on the proposed site for the erection of the solar pv plant in Weno (Chuuk). The land lease agreement is currently being negotiated by Chuuk Public Utilities Corporation (CPUC).



The mission has further advanced the SEDAP readiness for implementation. The status of the feasibility studies for the main activities is: 1) Electricity access activities: Udot (completed) and Satowan (expected end of March); 2) Pohnpei New Diesel Power Plant (expected June-July 2019); 3) Weno PV Power Plant (to be updated by May); 4) Kosrae Battery Storage (Under review by KUA); and 5) YAP Diesel Unit (ready for tender).

Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	● Substantial	--	● Substantial
Macroeconomic	● Moderate	--	● Moderate
Sector Strategies and Policies	● Substantial	--	● Substantial
Technical Design of Project or Program	● Substantial	--	● Substantial
Institutional Capacity for Implementation and Sustainability	● High	--	● High
Fiduciary	● Substantial	--	● Substantial
Environment and Social	● Moderate	--	● Moderate
Stakeholders	● Moderate	--	● Moderate
Other	--	--	--
Overall	● Substantial	--	● Substantial

Results

PDO Indicators by Objectives / Outcomes

Improving Reliability of Electricity Supply in Pohnpei State				
▶ PUC System Average Interruption Duration Index (SAIDI) (Minutes, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	4,000.00	--	4,000.00	1,000.00
Date	19-Nov-2018	--	21-Mar-2019	30-Nov-2023
Comments:	This indicator measures the average total duration of electricity outages over the course of a year for each PUC customer (minutes).			

Expanding Access to Electricity in Chuuk State	
▶ People newly provided with access to electricity under the project by household connections Grid/Off-grid/mini-grid in Chuuk (Number, Custom)	



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	1,898.00
Date	30-Nov-2018	--	21-Mar-2019	30-Nov-2023
Comments:	This indicator measures the number of people that will receive or improved electricity service through operations supported by the World Bank in Chuuk.			

Scaling up Renewable Energy Generation in Chuuk, Yap and Kosrae States

►Annual Generation Output of Renewable Energy (other than hydropower) in Chuuk, Yap and Kosrae (Megawatt hour(MWh), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1,930.00	--	1,930.00	4,270.00
Date	30-Nov-2018	--	21-Mar-2019	30-Nov-2023
Comments:	This indicator measures in megawatts-hour (MWh) grid connected RE generated by KUA, CPUC and YSPSC.			

Intermediate Results Indicators by Components

Component 1: Improving Reliability of Electricity Supply in Pohnpei State

►Generation capacity of energy constructed or rehabilitated (Megawatt, Corporate)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	7.50
Date	30-Nov-2018	--	21-Mar-2019	30-Nov-2023

▲Thermal (conventional) power generation capacity constructed under the project (Megawatt, Corporate Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	7.50
Date	30-Nov-2018	--	21-Mar-2019	30-Nov-2023

Component 2: Expanding Access to Electricity in Chuuk State

►Number of households receiving new connections (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	272.00
Date	30-Nov-2018	--	21-Mar-2019	30-Nov-2023

Comments: This indicator aggregates the number of households provided with access to electricity services under the project by household connections (grid or off-grid).



Component 3: Scaling up Renewable Energy Generation in Chuuk, Yap and Kosrae States				
▶Battery Storage Capacity in Kosrae (Megawatt hour(MWh), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	1.00
Date	19-Nov-2018	--	21-Mar-2019	30-Nov-2023
Comments:	This indicator provides the capacity of battery storage installed in Kosrae by the project.			
▶Generation capacity of energy constructed or rehabilitated (Megawatt, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	2.83
Date	30-Nov-2018	--	21-Mar-2019	30-Nov-2023
▲Thermal (conventional) power generation capacity constructed under the project (Megawatt, Corporate Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	0.83
Date	30-Nov-2018	--	21-Mar-2019	30-Nov-2023
▲Renewable energy generation capacity (other than hydropower) constructed under the project (Megawatt, Corporate Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	2.00
Date	30-Nov-2018	--	21-Mar-2019	30-Nov-2023

Component 4: Institutional Strengthening and Capacity Building in the Energy Sector				
▶Clean Cooking Assessment available, which consider women's health benefits and employment opportunities (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	--	No	Yes
Date	19-Nov-2018	--	21-Mar-2019	30-Nov-2023
Comments:	This indicator measures whether the detailed household assessment has been completed.			
▶Number of women employed by CPUC and PUC in technical roles in the power sector (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	4.00



Date	30-Nov-2018	--	21-Mar-2019	30-Nov-2023
Comments:	This indicator measures the number of women conducting technical qualified jobs at CPUC and PUC.			
►Performance contract in effect for PUC (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	--	No	Yes
Date	30-Nov-2018	--	21-Mar-2019	30-Nov-2023
Comments:	Performance Contract to be established with the support of a consultant, based on the US Graduates Scholl report and the ADB assessment.			

Component 5: Technical Assistance and Project Management				
►Project-supported organization(s) publishing periodic reports on GRM and how issues were resolved [including resolution rates] (Yes/No) (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	--	No	Yes
Date	19-Nov-2018	--	21-Mar-2019	30-Nov-2023
Comments:	This indicator measures whether functional mechanisms are available during the project implementation to receive feedback from beneficiaries and how feedback has been addressed/used. Mechanism can include, but do not need to be necessarily limited to telephone numbers, email addresses, visiting hours to utilities' officials or mail addresses, amongst others. This is a yes/no indicator			

Data on Financial Performance

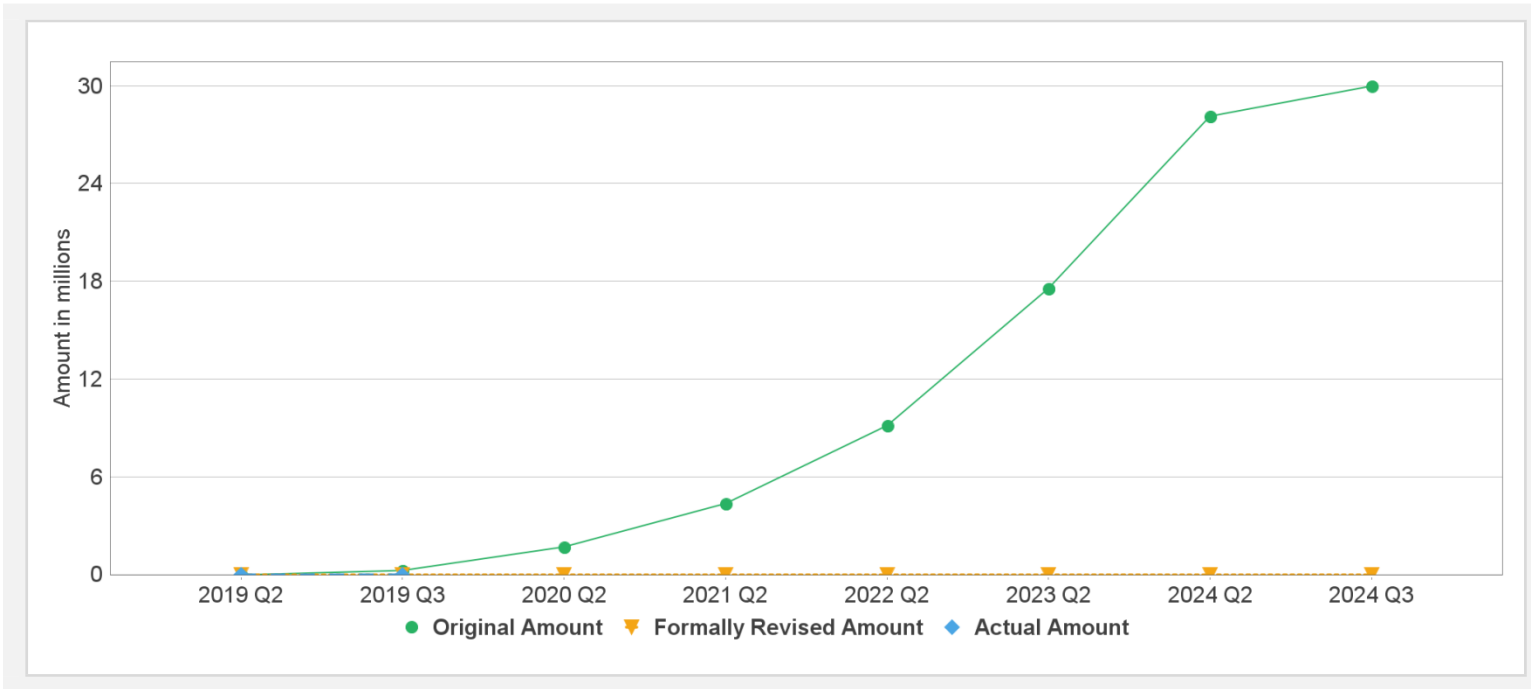
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P165183	IDA-D3970	Not Effective	USD	30.00	30.00	0.00	0.00	30.01	0%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P165183	IDA-D3970	Not Effective	06-Dec-2018	--	--	30-Nov-2023	30-Nov-2023

Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.