



## Energy Resilience for Climate Adaptation (GEF/SCCF) (P149522)

LATIN AMERICA AND CARIBBEAN | Belize | Energy & Extractives Global Practice |  
Global Environment Project | Investment Project Financing | FY 2017 | Seq No: 3 | ARCHIVED on 19-Jan-2018 | ISR31085 |

Implementing Agencies: Government of Belize, Ministry of Finance, Public Service, Energy and Public Utilities, Belize Electricity Limited (BEL)

### Key Dates

#### Key Project Dates

Bank Approval Date:12-Sep-2016

Effectiveness Date:06-Dec-2016

Planned Mid Term Review Date:17-Dec-2018

Actual Mid-Term Review Date:--

Original Closing Date:31-Jul-2020

Revised Closing Date:31-Jul-2020

### Global Development Objectives

Project Development Objective (from Project Appraisal Document)

The development objective of the proposed Energy Resilience for Climate Adaptation Project is to demonstrate solutions that enhance the resilience of the energy system to adverse weather and climate change impacts. This will be collectively achieved by implementing a wide-ranging and complementary set of activities that include pilot initiatives, infrastructure hardening, and analytical and planning efforts.

Has the Global Environmental Objective been changed since Board Approval of the Project Objective?

No

### Components

Name

Component 1: Long-Term Planning and Capacity Building for Adaptation:(Cost \$2.79 M)

Component 2: Demonstration Measures to Enhance Resilience of Energy Sector:(Cost \$8.44 M)

Component 3: Project Implementation Support and Information Dissemination for Knowledge Sharing:(Cost \$0.59 M)

### Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	● Satisfactory	● Moderately Unsatisfactory
Overall Implementation Progress (IP)	● Moderately Satisfactory	● Moderately Unsatisfactory
Overall Risk Rating	● Moderate	● Moderate

### Implementation Status and Key Decisions



The ERCAP has not been able to take off after a year of effectiveness and did not make any disbursement. The Bank Team is awaiting a response following the Management Letter to assess the way forward.

## Risks

### Systematic Operations Risk-rating Tool

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

## Results

### Global Environmental Objective Indicators

► Methodologies and procedures to incorporate climate resilience in long-term planning of energy infrastructure and systems developed and adopted(Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	N	N	Y
Date	01-Nov-2016	06-Jun-2017	27-Dec-2017	31-Jul-2020



► Transmission network segmented and protected against cascading line faults(Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	N	N	Y
Date	01-Nov-2016	06-Jun-2017	27-Dec-2017	31-Jul-2020

▲ Generation sources available for dispatch despite line faults(Number, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	5.00	5.00	5.00	7.00

▷ Consumers with enhanced security of electricity supply (reduced outages) due to weather events(Number, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	--	0.00	0.00	274,000.00

▲ Generation capacity available for dispatch despite line faults(Megawatt, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	82.50	82.50	82.50	110.00



► Weak transmission sections in the system reinforced to be more resilient(Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	160.00
Date	01-Nov-2016	--	27-Dec-2017	31-Jul-2020

Overall Comments

### Intermediate Results Indicators

► Strengthened long-term planning capabilities for the energy sector (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	8.00
Date	01-Nov-2016	--	27-Dec-2017	31-Jul-2020

► Improved availability of weather and hydrological information (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	29.00
Date	01-Nov-2016	--	27-Dec-2017	31-Jul-2020



► Appropriate technologies identified to be used for transmission line design for different terrain types (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	N	N	Y
Date	01-Nov-2016	27-Dec-2016	27-Dec-2017	31-Jul-2020

► Options for improving BEL's vegetation management practices identified (Yes/No, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N	N	N	Y
Date	01-Nov-2016	06-Jun-2017	27-Dec-2017	31-Jul-2020

► Regional stakeholder and citizen engagement conferences held to evaluate and disseminate lessons learned and results achieved in project for enhancing energy resilience (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	0.00	2.00
Date	01-Nov-2016	--	27-Dec-2017	31-Jul-2020

Overall Comments

## Data on Financial Performance

### Disbursements (by loan)

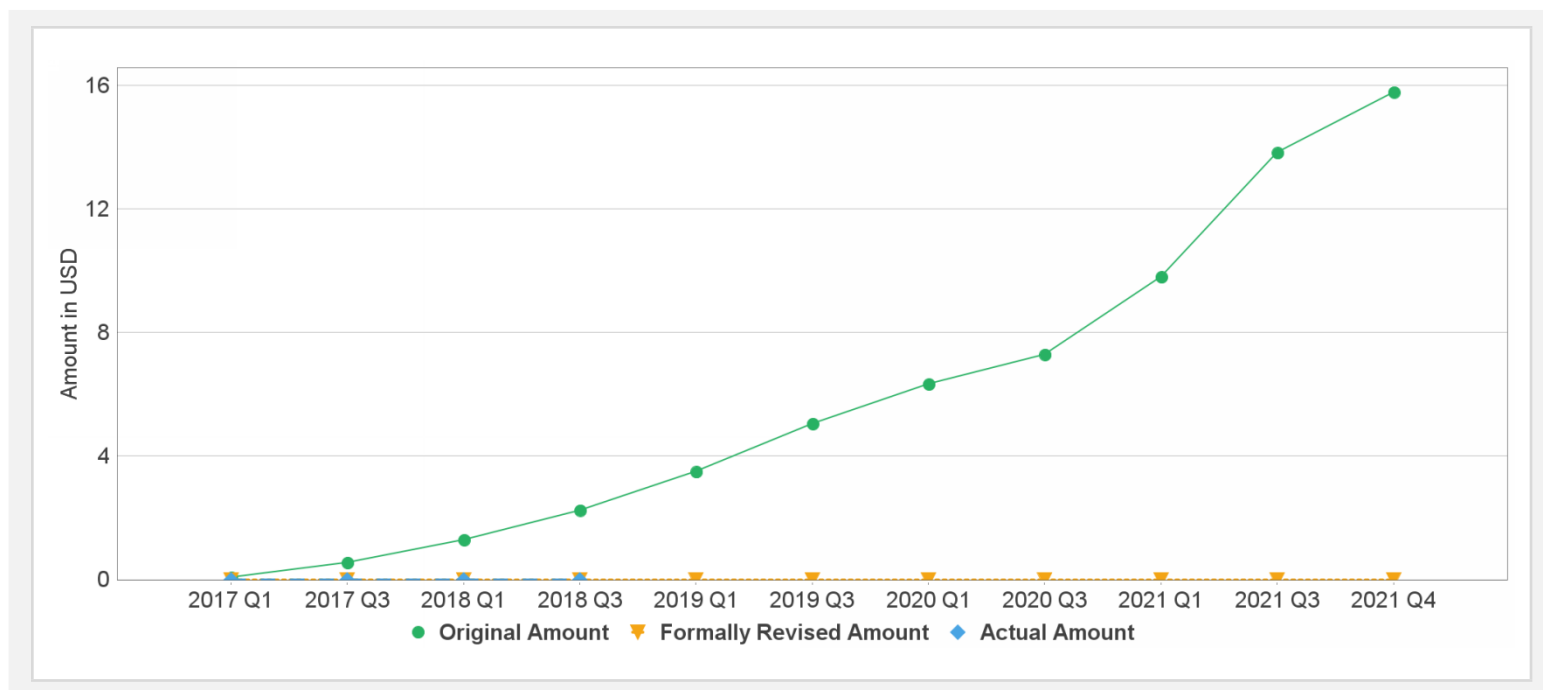
Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	Disbursed
P149522	TF-A2887	Effective	USD	5.62	5.62	0.00	0.00	5.62	0%
P149522	TF-A2888	Effective	USD	2.38	2.38	0.00	0.00	2.38	0%

### Key Dates (by loan)



Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P149522	TF-A2887	Effective	12-Sep-2016	22-Sep-2016	06-Dec-2016	31-Jul-2020	31-Jul-2020
P149522	TF-A2888	Effective	12-Sep-2016	22-Sep-2016	06-Dec-2016	31-Jul-2020	31-Jul-2020

### Cumulative Disbursements



### Restructuring History

There has been no restructuring to date.

### Related Project(s)

There are no related projects.