



Dominica Geothermal Risk Mitigation Project (P162149)

LATIN AMERICA AND CARIBBEAN | Dominica | Energy & Extractives Global Practice |
IBRD/IDA | Investment Project Financing | FY 2019 | Seq No: 5 | ARCHIVED on 18-Feb-2022 | ISR49826 |

Implementing Agencies: The Government of the Commonwealth of Dominica, Dominica Geothermal Development Company

Key Dates

Key Project Dates

Bank Approval Date: 18-Mar-2019

Effectiveness Date: 28-Feb-2020

Planned Mid Term Review Date: 15-Sep-2022

Actual Mid-Term Review Date:

Original Closing Date: 28-Feb-2026

Revised Closing Date: 28-Feb-2026

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The objective of the proposed Project is to help: a) diversify the domestic power generation mix in Dominica by integrating clean, renewable geothermal energy; and b) demonstrate the potential of larger development of the geothermal resource.

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

No

Components Table

Name

DEVELOPMENT OF DOMESTIC GEOTHERMAL POWER GENERATION CAPACITY (SGPP):(Cost \$41.50 M)
CONTINGENT FINANCING IN AID OF ADDITIONAL DRILLING:(Cost \$9.00 M)
TECHNICAL ASSISTANCE FOR ADVANCING LGPP TO DEVELOPMENT STATUS AND SOLICITING PRIVATE SECTOR INVESTMENT:(Cost \$0.95 M)

Overall Ratings

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

Implementation Status and Key Decisions

The project became effective on February 28, 2020. The project activities have been launched. At present, the Bank and the government have been working to accelerate the project restructuring to include new activities to ensure that the Project Development Objectives will be met.



Risks

Systematic Operations Risk-rating Tool

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Macroeconomic	<input type="checkbox"/> Substantial	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Sector Strategies and Policies	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Technical Design of Project or Program	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial	<input type="checkbox"/> Moderate
Institutional Capacity for Implementation and Sustainability	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial	<input type="checkbox"/> Moderate
Fiduciary	<input type="checkbox"/> Substantial	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Environment and Social	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Stakeholders	<input type="checkbox"/> Substantial	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate
Other	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial
Overall	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial

Results

PDO Indicators by Objectives / Outcomes

Generation capacity of geothermal energy facilitated under the Project (MW)

► Generation Capacity of Geothermal Energy Facilitated under the Project (Megawatt, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10.00
Date	01-Jan-2019	22-Oct-2020	31-Dec-2021	28-Feb-2026

Increased share of renewable energy capacity in the domestic generation mix (percentage)

► Share of Renewable Energy Capacity in the Domestic Generation Mix (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	24.70	24.70	24.70	51.00
Date	01-Jan-2019	22-Oct-2020	31-Dec-2021	28-Feb-2026



Preliminary feasibility of larger development of the geothermal field ascertained				
▶ Preliminary Feasibility of Larger Development of the Geothermal Field (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jan-2019	22-Oct-2020	31-Dec-2021	28-Feb-2026

Estimated GHG emissions reduction compared to a business-as-usual baseline (tCO2)				
▶ Estimated GHG Emissions Reduction Compared to A Business-As-Usual Baseline (Tones/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	38,223.00
Date	01-Jan-2019	22-Oct-2020	31-Dec-2021	28-Feb-2026

Increased income generating opportunities for women				
▶ Share of women employed in tourism activities facilitated by the project and/or by the Government in proximity of the power plant (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	60.00
Date	01-Jan-2019	22-Oct-2020	31-Dec-2021	28-Feb-2026
Comments:	Women employment in activities planned to be financed by the Community Development Fund to be established under the Project.			

Intermediate Results Indicators by Components

Small Geothermal Power Plant (SGPP)				
▶ Small Geothermal Power Plant (SGPP) Constructed (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1.00
Date	01-Jan-2019	22-Oct-2020	31-Dec-2021	28-Feb-2026

Steam Above Ground System (SAGS)				
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► Steam Above Ground System (SAGS) Constructed (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	100.00
Date	01-Jan-2019	22-Oct-2020	31-Dec-2021	28-Feb-2026

Insurance for Contingent Drilling				
► Insurance for Contingent Drilling Established (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jan-2019	22-Oct-2020	31-Dec-2021	28-Feb-2026

Gender and Geothermal Energy Workshop				
► Gender and Geothermal Energy Workshop Conducted (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Jan-2019	22-Oct-2020	31-Dec-2021	28-Feb-2026

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

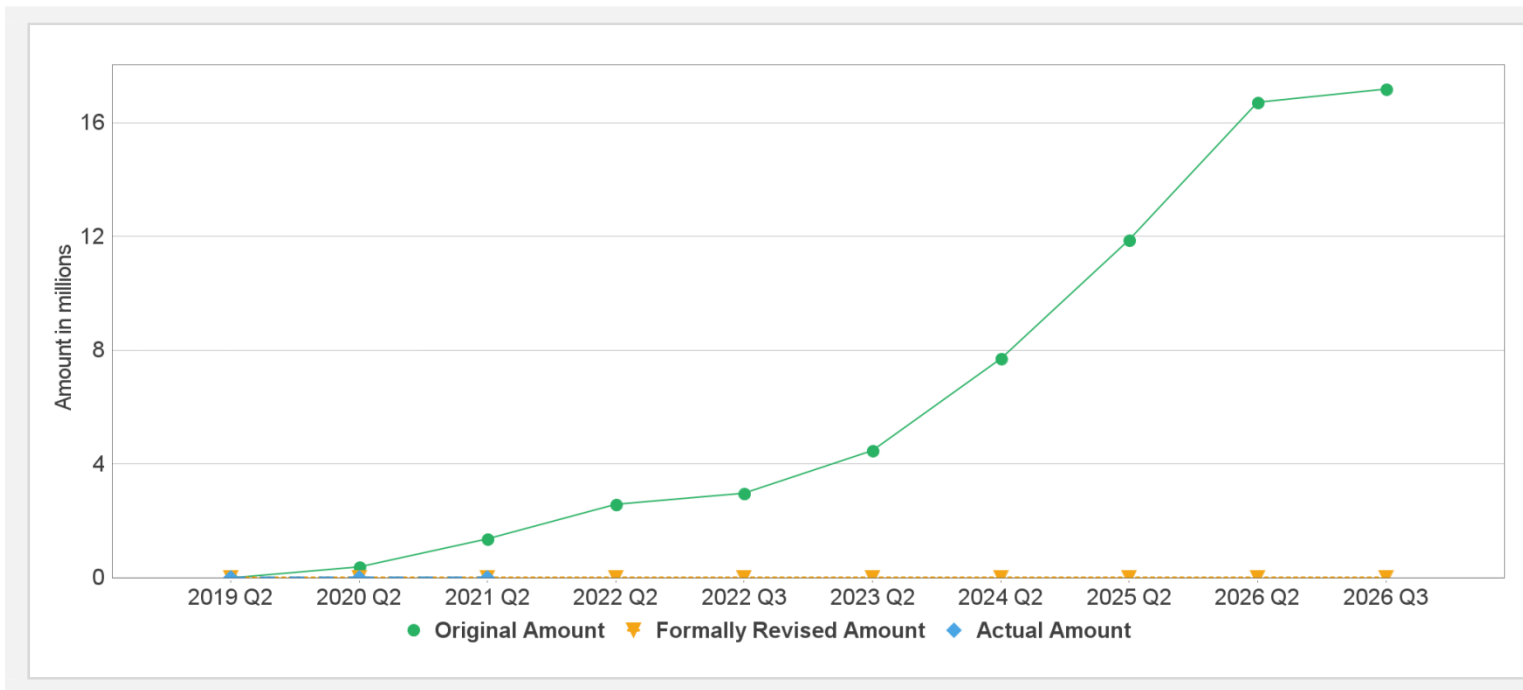
Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P162149	IDA-63760	Effective	USD	17.20	17.20	0.00	0.00	16.95	0%
P162149	TF-A9531	Effective	USD	2.00	2.00	0.00	2.00	0.00	100%
P162149	TF-A9532	Effective	USD	0.95	0.95	0.00	0.00	0.95	0%
P162149	TF-A9533	Effective	USD	9.00	9.00	0.00	0.00	9.00	0%
P162149	TF-A9545	Effective	USD	10.00	10.00	0.00	0.00	10.00	0%

Key Dates (by loan)



Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P162149	IDA-63760	Effective	18-Mar-2019	03-May-2019	28-Feb-2020	28-Feb-2026	28-Feb-2026
P162149	TF-A9531	Effective	18-Mar-2019	03-May-2019	28-Feb-2020	30-Jun-2020	31-May-2022
P162149	TF-A9532	Effective	18-Mar-2019	03-May-2019	28-Feb-2020	28-Feb-2026	28-Feb-2026
P162149	TF-A9533	Effective	18-Mar-2019	03-May-2019	28-Feb-2020	28-Feb-2026	28-Feb-2026
P162149	TF-A9545	Effective	18-Mar-2019	03-May-2019	28-Feb-2020	30-Jun-2023	30-Jun-2023

Cumulative Disbursements



PBC Disbursement

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC
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Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.

