



PROJECT IDENTIFICATION FORM (PIF) ¹

PROJECT TYPE: Full-sized Project

TYPE OF TRUST FUND: GEF Trust Fund

PART I: PROJECT IDENTIFICATION

Project Title:	Sustainable Energy Program for Guyana		
Country(ies):	Guyana	GEF Project ID: ²	4520
GEF Agency(ies):	IADB (select) (select)	GEF Agency Project ID:	GY-XXXX
Other Executing Partner(s):	Office of the Prime Minister	Submission Date:	
GEF Focal Area (s):	Climate Change	Project Duration (Months)	72
Name of parent program (if applicable):		Agency Fee (\$):	500,000
➤ For SFM/REDD+ <input type="checkbox"/>			

A. FOCAL AREA STRATEGY FRAMEWORK³:

Focal Area Objectives	Expected FA Outcomes	Expected FA Outputs	Trust Fund	Indicative Grant Amount (\$)	Indicative Co-financing (\$)
CCM-3 (select)	Outcome 3.1: Favorable policy and regulatory environment created for RE investments. Indicator 3.1: Policies and regulations are drafted	Output 3.1: Renewable energy policy and regulations approved.	GEFTF	100,000	0
CCM-3 (select)	Outcome 3.3: GHG emissions avoided. Indicator 3.3: Tons of CO2 equivalent	Output 3.3: Renewable Energy capacity installed. At least 180 kW of PV on-grid installed. At least 2.2 MW of pico and micro hydroelectric projects. At least 1,334 kW of PV for rural electrification At least 300 kW of on-grid wind power installed.	GEFTF	4,680,000	22,370,000
(select) (select)			(select)		
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(select) (select)			(select)		
(select) (select)			(select)		
(select) (select)	Others		(select)		
Sub-Total				4,780,000	22,370,000
Project Management Cost ⁴			(select)	220,000	1,000,000
Total Project Cost				5,000,000	23,370,000

¹ It is very important to consult the PIF preparation guidelines when completing this template.

² Project ID number will be assigned by GEFSEC.

³ Refer to the reference attached on the [Focal Area Results Framework](#) when filling up the table in item A.

⁴ GEF will finance management cost that is solely linked to GEF financing of the project.

B. PROJECT FRAMEWORK

Project Objective: The general objective of this project is to promote and support sustainable energy programs in Guyana, in order to contribute to the country's energy security, energy access, reduction of fossil fuel dependence and provide additional opportunities to reduce greenhouse gas emissions.

The specific objectives of the project aims at implementing specific actions in renewable energy (RE). The project will support: (i) the technical, institutional and regulatory strengthening to promote the use of RE technologies which includes support for implementation of pilot projects; (ii) support capacity building in the energy sector;

Project Component	Grant Type	Expected Outcomes	Expected Outputs	Trust Fund	Indicative Grant Amount (\$)	Indicative Cofinancing (\$)
Component I: Support in the development of RE initiatives and support for the implementation of pilot projects.	Inv	Investment in RE increased through pilot projects 9% increased energy access using RE. 16,538 tCO ₂ e emissions avoided per year	At least 180 kW of PV on-grid installed. At least 2.2 MW of pico and micro hydro projects At least 1,334 kW of PV for rural electrification 4 RE monitoring stations installed and in operation. At least 300 kW grid-tied wind power installed.	GEFTF	4,570,000	20,463,000
	TA	Development of RE initiatives to reduce fossil fuel dependency.	Revision of the legal, institutional and regulatory framework of the electricity sector affecting the development of RE completed and update/amendment to promote RE approved. Alternative studies for the the use of low carbon technologies, completed Feasibility studies and Due Diligence for a 150MW hydropower facility completed (including Environmental & Social Impact Assessment)	GEFTF	100,000	1,500,000
Component II: Capacity building in the energy sector and dissemination.	TA	Increased local know-how in energy use, auditing, implementation and monitoring of solar and wind systems and installation/operation of RE systems	Training workshops: installation and maintenance of solar and wind power technologies and design and construction of mini hydropower for rural electrification.	GEFTF	0	107,000
	TA	RE and EE disseminated among the population through a media campaign.	National Awareness campaign in RE and EE completed as part of Guyana LCDS.	GEFTF	110,000	300,000

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	(select)			(select)		
	(select)			(select)		
Sub-Total					4,780,000	22,370,000
Project Management Cost ⁵				GEFTF	220,000	1,000,000
Total Project Costs					5,000,000	23,370,000

C. INDICATIVE CO-FINANCING FOR THE PROJECT BY SOURCE AND BY NAME IF AVAILABLE, (\$)

Sources of Cofinancing	Name of Cofinancier	Type of Cofinancing	Amount (\$)
GEF Agency	IDB LO-1103/SF-GY: Unserved Areas Electrification Program	Soft Loan	4,500,000
GEF Agency	IDB through the GRIF fund to support the implementation of RE initiatives	Grant	8,650,000
GEF Agency	IDB ATN/JF-10916-GY and ATN/OC-10917 GY - Expanding Bioenergy Opportunities in Guyana	Grant	925,000
GEF Agency	IDB- Multilateral Investment Fund (MIF)	Grant	1,000,000
Local Government	Implementation of Renewable Energy Initiatives	Grant	5,295,000
Other Multilateral Agency (ies)	European Commission-Energy&Water Initiative	Grant	3,000,000
(select)		(select)	0
(select)		(select)	
(select)		(select)	
(select)		(select)	
Total Cofinancing			23,370,000

D. GEF/LDCF/SCCF RESOURCES REQUESTED BY AGENCY, FOCAL AREA AND COUNTRY¹

GEF Agency	Type of Trust Fund	Focal Area	Country Name/Global	Grant Amount (a)	Agency Fee (b) ²	Total c=a+b
IADB	GEF TF	Climate Change	Republic of Guyana	5,000,000	500,000	5,500,000
(select)	(select)	(select)				0
(select)	(select)	(select)				0
(select)	(select)	(select)				0
(select)	(select)	(select)				0
(select)	(select)	(select)				0
(select)	(select)	(select)				0
(select)	(select)	(select)				0
(select)	(select)	(select)				0
(select)	(select)	(select)				0
Total Grant Resources				5,000,000	500,000	5,500,000

¹ In case of a single focal area, single country, single GEF Agency project, and single trust fund project, no need to provide information for this table

² Please indicate fees related to this project.

⁵ Same as footnote #3.

PART II: PROJECT JUSTIFICATION

A. DESCRIPTION OF THE CONSISTENCY OF THE PROJECT WITH:

A.1.1 the [GEF focal area/LDCF/SCCF](#) strategies:

The proposed project is presented under the Climate Change Mitigation focal area and is consistent with its Results Framework with the goal of supporting developing countries toward a low-carbon development path. The project is in line with Focal Area Objective CCM3 “Renewable Energy” given that the project intends to promote on-grid tied and off-grid generation through the implementation of RE pilot demonstration projects (i.e: solar-photovoltaic, mini-hydro and wind power).

A.1.2. For projects funded from LDCF/SCCF: the LDCF/SCCF eligibility criteria and priorities:

A.2. National strategies and plans or reports and assessments under relevant conventions, if applicable, i.e. NAPAS, NAPs, NBSAPs, national communications, TNAs, NIPs, PRSPs, NPFE, etc.:

This project is consistent with the Government of Guyana’s (GOG) priorities since it will support the use and development of renewable energy and energy efficiency in the country. According to the “2010 Guyana Power Sector Policy and Implementation Strategy”, energy efficiency and low carbon generation technology are two of the main priorities of the Government to create a more sustainable energy sector.

The Low Carbon Development Strategy (LCDS) is the most recent initiative from the GOG to help boost Guyana's economy. Guyana is unique in that 80 percent of the country is forest, fertile area that could be exploited for economic development. Notwithstanding, most of Guyana's population lives along its Atlantic coastline in low-lying areas that are vulnerable to the rising ocean, should climate change continue to cause an increase in sea levels. The use of Renewable Energy is one of the main instruments of the initiative to support the sustainable development of the economy and to improve energy access. In the following years, Government’s main challenge is to reduce the country’s high and costly dependence on conventional energy by shifting and increasing the base power generation to RE.

B. PROJECT OVERVIEW:

B.1. Describe the baseline project and the problem that it seeks to address:

Guyana is the largest country of the Caribbean Community and Common Market (CARICOM), occupying 216,000 square kilometers. Despite its relatively large size, Guyana has only a population of 741,000 people according to the 2002 census. The population is concentrated around the capital city of Georgetown (coastline) whereas the interior rural areas are sparsely populated. Electricity coverage in Guyana is 81%, whereby there is electricity coverage for over 90% in the coastal zone, where 90% of the population is concentrated. The electrification of rural communities in the vicinity of Georgetown on the coast is gradually done by GPL. Nevertheless hinterland electrification remains a challenge. **Over 80% of the Amerindian population in Guyana lack basic access to electricity.** This project will contribute to improve the access to electricity of the Amerindian population, mainly encouraging the use of renewable energy. Infrastructure is yet to be developed and energy access is still severely limited due to the distance from major load centers. Few Amerindian communities receive intermittent diesel power electricity generation rated in most of the cases at US\$0.40/kwh, and just some few have recently benefitted from the implementation of the Unserved Areas Electrification Program (UAEP) executed by the Office of the Prime Minister (OPM) and the Guyana Power and Light (GPL). However, **the sustainability of future electrification programs has to be carefully reviewed to increase the number of targeted communities**

with the aim of providing the necessary energy for basic services and to maintain the operation and replacement of the technology when needed.

GEF project will build on this preliminary experience to support the expansion of the Hinterland Electrification Program of the Government, with the promotion and use of cost-effective low carbon technologies (solar, mini hydro, co-generation). The sustainability of future projects promoted under GEF for rural electrification will be one of the main priorities of this intervention.

Most of Guyana's power generation (150-MW) is thermal-based using heavy-fuel oil or diesel with an important independent installed capacity in coastal areas (~35MW). **The cost of the electricity in the country is the highest in the region (0.28-32 US\$/kWh).** These costs represent a burden to the economical development and have been attributed to the **inefficient operation of the system, high dependence on conventional fuels for power generation, high percentage of technical and commercial losses (over 31%) due to the lack of adequate investments in distribution networks, inefficient power generation due to the use of inefficient equipments and high commercial overall losses in the residential sector.** This situation has forced the Government to maintain a permanent transfer of funds to the energy sector in the form of subsidies which have limited its capacity for new investments in infrastructure and other social programs. This level of losses also translates into an excess of energy generated using diesel and heavy fuel oil to cover the current demand. The environmental impact of this problem is reflected in additional generation of CO₂ (as indicated by the high Grid Emissions Factor) included in the energy saving calculation and CO₂ annex and also in soil and water pollution as a consequence of the use of this type of technologies. Guyana's commitment under the LCDS include the efficient operation of the power sector and the swift of the power generation system to RE.

The project will, have a strong component for rural electrification using RE sources, mainly hydro and solar, encouraging the use of RE technology. To reduce fossil fuel dependence in power generation, the project will pave the way for the development of future RE projects connected to the National grid covering the coastal zone. This project will contribute to the analysis of alternative scenarios for power generation using efficient low carbon technologies. Alternatives scenario study will contribute to analyze the different options for sustainable power generation and back up generation in Guyana besides hydropower which has an important potential for development in this region. This study is in line with IDB approach in the use of sustainable low carbon technologies for power generation and mitigation of environmental and social issues. The initiative of the GOG to develop a mayor hydropower grid connected project will be analyzed as one the options to supply part of the current energy demand in the country, as well as the corresponding Environmental and Social Impact Assessment and due diligence of the project.

- B. 2. [Incremental /Additional cost reasoning](#): describe the incremental (GEF Trust Fund) or additional (LDCF/SCCF) activities requested for GEF/LDCF/SCCF financing and the associated [global environmental benefits](#) (GEF Trust Fund) or associated adaptation benefits (LDCF/SCCF) to be delivered by the project:

In order to address Guyana's energy sector challenges, this project proposes to support the use of solar, hydro and wind energy resources and create social awareness of sustainable energy, through the following components:

Component I: Support in the development of RE initiatives and support for the implementation of pilot projects (funded by GEF and IDB-GoG): Guyana's energy mix is mostly composed by fossil fuels. Most electricity generation comes from imported oil, and the high dependency on fossil fuels in Guyana has made the cost of electricity a major concern for the Government at present. Since energy cost is a major concern for Caribbean countries due to the region's dependence on fossil fuels for electricity generation, this project will foster the

transition to RE and improve energy access in unserved and/or isolated communities with the following subcomponents:

i) **Installation of RE pilot projects (funded by GEF and IDB):** More than 90% of GEF resources will be allocated to this activity. Thanks to GEF and IDB's funding, at least 134 Amerindian communities will have access to electricity from RE. The project will finance: (i) at least 180 kW of on-grid solar distributed generation; (ii) 9% increase of energy access using RE, particularly using hydro (at least 2.2 MW) and solar (1,334 kW); (iii) installation of 4 solar-wind monitoring station in coastal zone to validate wind and solar resources and the preparation of feasibility studies for a commercial project; and (iv) the installation of a least 300-kW of grid-tied wind power.

ii) **Revision of the legal, institutional and regulatory framework of the electricity sector affecting the development of RE initiatives (funded by GEF):** This subcomponent will finance a detailed review of the legal, institutional and regulatory aspects of the electricity sector in order to identify necessary changes in the regulatory framework to foster RE in Guyana, as well as determine existing barriers that limit the interconnected RE projects to the local grid, and the preparation of a set of proposals for improvement/amendments to the existing regulatory energy framework to facilitate the grid-tied RE generation incentives and fitting financing modalities. In the last years, Government's reforms in the energy sector using IDB's collaboration have addressed structural issues that have not initiated the debate to promote the use of RE in the generation mix by independent power producers. GEF's project will address this gap in the institutional and regulatory framework.

iii) **Development of RE initiatives to reduce fossil fuel dependency (funded by IDB):** In order to identify current efforts in RE and potential resources available for the development of future commercial projects in Guyana, this subcomponent will finance an alternative analysis for the development of low carbon technologies and feasibility studies for the development of a major hydropower plant, including the Environmental and Social Impact Assessment and due diligence of the project.

As a result of this component, the contribution to climate change mitigation will be: a) At least 330,759 tCO₂eq reduced over 20 years as a consequence of installing over 4 MW of RE capacity, including hydro, solar and wind projects.

Component II: Capacity Building in the Energy Sector and Dissemination (funded by IDB-GoG and GEF): Through IDB's Multilateral Investment Fund (MIF), this component will focus on supporting the ongoing creation of adequate know-how, in order to guarantee the long-term sustainability of the implemented initiatives in RE and EE. Furthermore, it will support the dissemination of RE and EE solutions among the population in order to increase its public acceptance. The component will finance:

i) **Training workshops for solar/wind installation & maintenance and design and construction of pico and micro hydropower (Funded by IDB-GoG).** At least 60 technicians will be trained in the design, construction, installation, operation and monitoring of RE technologies. In collaboration with the Office of the Prime Minister (OPM) or equivalent energy authority and the Guyana Energy Agency (GEA), this activity will co-finance: i) the training of 300 community members (two from each of 150 villages) in installation and maintenance of PV systems; ii) the training of Utility's technicians in the design, maintenance and operation of small and micro hydro projects; iii) the creation and capacity building of an Internal Maintenance Department (IMD) in each village, which will comprise the trained village members as well as an accountant/debt collector and will be

responsible for ensuring that PV systems are properly looked after, paid for and maintained; iv) the development of a System Protocol to handle communication issues between the Council and Energy Authority/MOAA (Ministry of Amerindian Affairs); and v) the implementation of consistent training/awareness programs (through the MOAA) to remind residents to maintain systems.

ii) **Awareness campaign on RE and EE (Funded by GEF and IDB).** In order to establish RE and EE as alternatives for the use of fossil fuel generation among the consumers, this activity will finance an education campaign targeted to a wider and non-specialized audience that will facilitate know-how and acceptance among the population.

B.3. Describe the socioeconomic benefits to be delivered by the Project at the national and local levels, including consideration of gender dimensions, and how these will support the achievement of global environment benefits (GEF Trust Fund) or adaptation benefits (LDCF/SCCF). As a background information, read [Mainstreaming Gender at the GEF.](#):

Guyana is one of the countries with the highest electricity prices in the Latin America and Caribbean region. A recent study funded by the Unserved Areas Electrification Program in Guyana showed electricity prices of US\$0.28/kWh for industrial sector and US\$0.38/kWh for the commercial and residential sector. For this reason, successful initiatives to develop RE will help consumers to better cope with high electricity expenses that has an impact on their economy and competitiveness.

This project will provide feasible solution options for more reliable and cleaner energy sources that could attract new investments and promote long-term sustainability and improved competitiveness of the private sector. With the national acknowledgement of the need for greener solutions, this project will further promote the culture towards implementation of sustainable and renewable energy solutions in everyday life. Additionally, the Guyanese population (both men & women) will have equal opportunity to benefit from improved quality of life and quality of public service provided through the RE initiatives. Improving energy access in the Hinterland will contribute to increase women integration and participation in economic activities that today are mainly carried with very little recognition of women contribution. Today much of the biomass (wood) is collected by women and children for energy and cooking purposes, therefore rural electrification projects will contribute to improve their quality of life.

The proposed GEF intervention will pilot RE for the sustainable electrification of the interior and will contribute to close the gap in the electrification of isolated communities. Currently only 14 isolated communities of more than 100 existing in the interior have been benefited from public electrification programs using solar-PV technologies. Other communities with a growing population over 4,000 peoples receive electricity from independent local supplier at high cost and environmental impact for the interior. Nowadays, the cost of the electricity supplied by private power producers in the interior average US\$0.40/kWh and there is not any tariff regulation in place and neither environmental policy for the disposal of residues from local power suppliers. Therefore this IDB and GEF funded project will contribute to: (i) electrify Amerindian communities (currently not served); (ii) reduce electricity costs and (iii) improve quality of life of the villagers.

GEF intervention will promote the use of RE in a sustainable manner and will contribute to reduce conventional fuel dependence for power generation. The specific target of 9% of energy access will be one of the objectives of this project in line with Government's commitment and IDB objectives in the sustainable electrification of the Hinterland.

B.4 Indicate risks, including climate change risks that might prevent the project objectives from being achieved, and if possible, propose measures that address these risks to be further developed during the project design:

Risks	Likelihood	Mitigation Measures
Loss of interest in the initiative due to the drop of oil prices in the future or exploration of oil resources in Guyana	Low	The GOG's Power Sector Policy which is explicit in their interest in the diversification of the energy matrix and energy efficient efforts to improve access of electricity to unserved areas and isolated communities of the interior.
The resources assessment (wind variables, solar radiation) can be influenced by climate change.	Low	To mitigate this effect every resource assessment will have to take this fact into consideration, using the best available measurement technologies and data analysis methodologies in the calculation of the impact of climate change. On the other hand, RE initiatives will contribute in the transition to a more reliable and clean sources of energy.
Lack of political commitment for the development and implementation of EE and RE.	Low	This risk is mitigated since the use of RE technology is also consistent with Guyana's Power Sector Policy as an option to reduce fossil fuel dependency and reduction of GHG emissions. The intervention will support the execution of RE projects resulting from the international commitment of the GOG to implement the Low Carbon Development Strategy (LCDS) in Guyana. Furthermore, GEF's intervention is envisaged as a continuation of the National Energy Conservation Awareness Campaign initiated by the Government with the support of the IDB.
Lack of sufficient information and reliability of existing data for the development of RE	Medium	IDB's projects include specific components for the development of local capacities in the monitoring, collection and analysis of energy data.
Lack of human resource talent with the technical expertise to successfully implement EE and RE initiatives.	High	The risk will be mitigated through the Project Management Unit, funded in part by GEF resources, which will be selected in close coordination with the Bank's offices in Guyana. Furthermore, a component of this project will specifically address the creation of public and private local know-how to successfully design, implement and monitor RE initiatives. A parallel financing of the Government from IDB, to execute the Sustainable operation of the electricity sector and improved quality of service (SOES); demonstrates Government's interest in local capacity building in EE, as an instrument to reduce energy losses in the system.
Lack of effective RE and EE resources for the implementation of pilot projects.	Low	To mitigate this effect the pilot projects will be executed along with a parallel financing from the GOG funded under the LCDS, in a national effort to improve energy access with RE to isolated communities of the interior. With financing from the IDB, the GOG is preparing the Sustainable operation of the electricity sector and improved quality of service. This initiative aims at improving the overall efficiency of the system by achieving a lower level of electricity losses; improving the operation and maintenance of the distribution network; seeking a shared understanding of main technical, financial and operational issues and gaining commitment to the sustainability in the continuation of necessary actions.

B.5. Identify key stakeholders involved in the project including the private sector, civil society organizations, local and indigenous communities, and their respective roles, as applicable:

Key stakeholders include: the Office of the Prime Minister (OPM) currently head of the energy sector; the GEA, responsible for the preparation of the National Energy Efficiency Program; the Office of the President (OP), main coordinator of the National Low Carbon Development Strategy; and the Ministry of Amerindian Affairs through the coordination of the OP. The Guyana Energy Protection Agency (EPA) as GEF operational focal point has endorsed this intervention to support the adequate development and sustainable use of Guyana's natural resources.

Civil society: IDB's procedures in Guyana establish that for each project implemented in the country with Bank's involvement, the civil society should be consulted about the scope and benefits of the initiative. GEF initiative will follow the same practice and consultations will be carried with the support of IDB's Civil Society Coordinator based in Guyana. Additionally the Project Implementation Unit (PIU) of this project will coordinate with Ministry of Amerindian Affairs (MOAA), to facilitate the dialogue with the Amerindian Communities, through the development of a System Protocol to handle communication issues between the Council and OPM/MOAA. Through the IDB-MIF funding training and capacity building will be available to facilitate and strengthen the dialogue with the Amerindian Communities.

Executing Structure: Project implementation will entail two levels: (i) the strategic level; and (ii) the operational level. At the strategic level, the GOG will establish a high-level Project Steering Committee to provide guidance on strategic and policy issues related to the Project, including recommendations on the Project's priorities, and to monitor progress of implementation according to the agreed schedule. The Project Steering Committee would be composed of the Ministry or entity responsible for the electricity sector (as Chairperson), representatives of the Ministry of Finance, the Guyana Energy Agency, GPL, and the project manager as its Secretary. The Project Steering Committee will meet at least once each semester to discuss progress and address recommendations on main issues in order to move forward.

Executing Agency (EA) and Project Implementation Unit (PIU). At the operational level, the Ministry (currently the OPM) or entity responsible for the electricity sector responsible of the energy sector will be the executing agency. A project implementation unit (PIU) will be created under the coordination of the EA. The PIU will work in close coordination with the: (i) MOAA to facilitate the execution of the rural electrification project; (ii) the Loss Reduction Unit of GPL to implement RE projects (on-grid projects) and; (iii) will give technical support in the execution of the different activities of the project. In terms of Project Management, the allocated GEF funding for this activity is US\$250,000 due the lack of local capacities to prepare and execute projects, particularly for the rural electrification projects. This project will require at least 6 years of execution, which will include a project manager, at least three technical staff and at least two administrative staffs. The project management will be co-financed by the GoG through the collaboration with other Institutions involved in the project. The experience of the IDB in the execution of energy projects in Guyana shows that concrete results come along if there is a well trained execution capacity. This issue has been addressed by IDB (in all 3 loans currently in execution and preparation) with considerable support to the creation of a strong Project Implementation Unit. The cost of the project management is in line with IDB assumption and experience in the country.

The OPM as the head of the energy sector in Guyana and GPL as the National Power Utility have long record of experience in the design, coordination and execution of similar initiatives following IDB's procedures: the Electricity Sector Program (LO-986/SF-GY); (ii) the Un-served Areas Electrification Program (UAEP) (LO-1103/SFGY); (iii) the Power Sector Support

Program (LO-1938/BL-GY); and (iv) a Technical Cooperation (TC), the Power Sector Assessment and Development Strategy (ATN/SF-9582-GY).

B.6. Outline the coordination with other related initiatives:

This project will expand, along with local government initiatives, energy access to both hinterland and coastal communities. It will also contribute to the harmonizing of existing legal and regulatory policies that support RE while strengthening the local capacity to operate, monitor and further develop RE.

In this context, the IDB financed the “Unserved Areas Electrification Program” (UAEP) in 2004, the Policy Based Loan “Power Sector Support Program” in 2008, and the Technical Cooperation “Power Sector Assessment and Development Strategy” in 2009, described in the next section.

Moreover, IDB is currently in the approval process of the “Sustainable Operation of the Electricity Sector and Improved Quality of Service” and has been invited by the GOG to become key partner in the approval and preparation of future LCDS’s projects.

C. DESCRIBE THE GEF AGENCY’S COMPARATIVE ADVANTAGE TO IMPLEMENT THIS PROJECT:

IDB has an extensive knowledge and previous experience working investment projects in Guyana. Particularly, the Bank has experience in implementing similar initiatives in Guyana and other Caribbean countries. Since 1996, the Bank has funded \$45 million to support the Guyanese Electricity Sector Program. The objective of this operation was to improve the efficiency of the power sector and to provide more reliable and affordable service to the consumers. As a continuation of the reforms initiated by the Electricity Sector Program, in 2004, the Bank funded the US\$21 million Unserved Areas Electrification Program; a six year project focusing on: 1) investment; 2) hinterland project preparation; and 3) institutional strengthening and capacity-building.

Additionally, in 2008 the Bank subscribed a Power Sector Support Program, for a total project cost of US\$12 million. The overall objective of the Program is to support the efforts of the GOG to address energy sector reforms. Having partnered with Guyana over the years, the Bank is highly cognizant of Guyana’s institutional, economic and financial challenges and continues to work on a strategic level with the GOG. To this end, the Bank has provided field presence in its Country Office which provides the needed support to design and guide the implementation of projects fostering a successful relationship with the country over the past years

C.1 Indicate the co-financing amount the GEF agency is bringing to the project:

The co-financing of the project will be as follow:

Co Financing IDB-GOG	Total Co-Financing Available	Total Co-Financing for the project
IDB’s LO-1103/SF-GY: Unserved Areas Electrification Program: Hinterland electrification with RE; loss reduction; assessment and studies to update the regulatory framework of the electricity sector, institutional strengthen.	21,000,000	4,500,000
IDB through the GRIF fund to support the implementation of RE initiatives	40,000,000	8,650,000
IDB’s ATN/JF-10916-GY & ATN/OC-101917-GY: Expanding Bioenergy Opportunities in Guyana	925,000	925,000
IDB-MIF project	1,000,000	1,000,000
GoG Implementaion of Renewable Energy Initiatives	6,000,000	5,295,000
European Commission-Energy&Water Initiative	3,000,000	3,000,000
TOTAL	76,925,000	23,370,000

C.2 How does the project fit into the GEF agency's program (reflected in documents such as UNDAF, CAS, etc.) and staff capacity in the country to follow up project implementation:

IDB's Strategy for Guyana aims to contribute to accelerating economic growth through economic diversification and targeted social development. In promoting economic diversification, the GEF Project directly supports the IDB Strategy's first pillar: Strategic Infrastructure Investments in Energy. Furthermore, the Project focuses and contributes to achieving the targeted outcomes expected for the energy sector, mainly in improving efficiency in energy and supporting to mitigate the country's energy-related problems, contributing to the Government's exploration of alternatives to oil-generated energy.


Moreover, GEF's intervention will support the Government's continued effort to improve access to electricity initiated with the Unserved Areas Electrification Program funded by IDB. The use of RE technologies to improve Energy Access is led by the Office of the Prime Minister in coordination with the Ministry of Amerindian Affairs (MOAA), the Government Electrical Inspectorate (GEI) and the Guyana Power & Light Inc. (GP&L).

PART III: APPROVAL/ENDORSEMENT BY GEF OPERATIONAL FOCAL POINT(S) AND GEF AGENCY(IES)

- A. RECORD OF ENDORSEMENT OF GEF OPERATIONAL FOCAL POINT (S) ON BEHALF OF THE GOVERNMENT(S):** (Please attach the [Operational Focal Point endorsement letter\(s\)](#) with this template. For SGP, use this [OFP endorsement letter](#)).

NAME	POSITION	MINISTRY	DATE (MM/dd/yyyy)
Indarjit Ramdass	Executive Director, Environmental Protection Agency	ENVIRONMENTAL PROTECTION AGENCY	02/22/2011

B. GEF AGENCY(IES) CERTIFICATION

This request has been prepared in accordance with GEF/LDCF/SCCF policies and procedures and meets the GEF/LDCF/SCCF criteria for project identification and preparation.					
Agency Coordinator, Agency name	Signature	DATE (MM/dd/yyyy)	Project Contact Person	Telephone	Email Address
Michael Collins IDB/GEF Executive Coordinator		04/15/2011	Jesus Tejeda INE/ENE Team Leader	+592 225 7950 Ext 15-1265	jesust@iadb.org