DOCUMENT OF THE INTER-AMERICAN DEVELOPMENT BANK

ECUADOR

FAIR AND INCLUSIVE ENERGY TRANSITION IN ECUADOR

(EC-T1567)

TECHNICAL COOPERATION DOCUMENT

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Technical Cooperation Document

I. Basic Information for Technical Cooperation (TC)

Country/Region:	ECUADOR
■ TC Name:	Fair and inclusive Energy Transition in Ecuador
TC Number:	EC-T1567
■ Team Leader/Members:	Gómez, José Ramón (INE/ENE) Team Leader; Molina Baldeón, María Julia (INE/ENE) Alternate Team Leader; Paredes, Juan Roberto (INE/ENE) Alternate Team Leader; Jimenez Mosquera, Javier I. (LEG/SGO); Nicolás Moreno (ORP/GCM); Barbosa Taves De Gouvea, Heleno (ORP/REM); Luz Caballero (INE/ENE); Vecco, Caterina (INE/ENE); García Cortessi Leonardo (ORP/REM); Bustelo, Monserrat (SCL/GDI); Jorge Luis Malpartida (INE/ENE); Alvarez González Oscar Andrés (INE/ENE); Langstroth, Robert Peter (VPS/ESG)
■ Taxonomy:	Operational Support
Operation Supported by the TC:	EC-L1293
Date of TC Abstract authorization:	N/A
Beneficiary:	Ecuador
Executing Agency and contact name:	Inter-American Development Bank
Donors providing funding:	Canada Cooperation Framework(CCF)
■ IDB Funding Requested: ¹	US\$4,548,301.00
Local counterpart funding, if any:	US\$0
 Disbursement period (which includes Execution period): 	48 months
Required start date:	August 2024
Types of consultants:	Consulting firms and individual consultants
Prepared by Unit:	INE/ENE-Energy
Unit of Disbursement Responsibility:	CAN/CEC-Country Office Ecuador
TC included in Country Strategy (y/n):	Υ
■ TC included in CPD (y/n):	N
 Alignment to the New IDB Group Institutional Strategy: Transformation for Scale and Impact (2024-2030) (CA-631): 	Social inclusion and equality; Economic integration; Institutional capacity and rule of law; Indigenous People; Persons with Disabilities; Environmental sustainability; Gender equality; Diversity

II. Description of the Associated Loan

2.1 This operational support Technical Cooperation (TC) contributes to the implementation of a 2023-2024 Programmatic Policy Based Program (PBP) for Ecuador's energy sector. Specifically, it supports: (i) the first operation of the PBP, "Support for the Energy Transition and the Promotion of Investments in Ecuador's Energy Sector" (5770/OC-EC, EC-L1287), approved on August 2nd, 2023; and (ii) the second and final operation, "Support for the Energy Transition and

The IDB will administer these funds through a Project-Specific Grant (PSG). Global Affairs Canada (GAC) will contribute CAD\$6,500,000, which is equivalent to US\$4,787,686 based on the FX Exchange Report from FIN Department intranet website as of March 4, 2024. Out of this contribution, US\$239,385 will be set aside as a 5% administration fee. The remaining contribution of US\$4,548,301 corresponds to the project amount as indicated in the Basic Information table. The administration fee will be distributed to Bank's departments as applicable, in relation to the workload due to preparation, execution and monitoring of the operation as well as administration of the PSG Agreement.

- the Promotion of Investments in Ecuador's Energy Sector II" (EC-L1293), expected to be submitted to the Board of Directors for approval in the third guarter of 2024.
- 2.2 The general objective of the PBP is to support the efforts of the Government of Ecuador (GoE) toward a just energy transition by fostering public and private investment. Its specific objectives are: (i) to support the decarbonization of the energy sector by promoting non-conventional Renewable Energy (RE) sources, new alternative generation sources, energy efficiency and demand management measures, regional integration, and e-mobility; (ii) to increase private sector participation in electricity service delivery; (iii) to make strides toward universal access to electricity; and (iv) to reduce gender and disability gaps in the electricity sector.
- 2.3 The main components of the PBP are: "Support for the Decarbonization of the Energy Sector", aimed to drive the decarbonization of Ecuador's energy sector, increase the use of RE sources, promote sustainable practices such as green hydrogen production and solid waste utilization, and enhance energy efficiency across various sectors; "Promotion of Private Sector Participation in Ecuador's Electricity Sector" designed to create a conducive environment for increased private sector involvement in the delivery of electricity services; "Promotion of Universal Access to Electricity in Ecuador" aimed to address the challenges of energy access inequality and facilitate the expansion of electricity coverage to underserved communities; and "Promotion of Gender Equity and Disability Equity in the Electricity Sector", aimed to create a more inclusive and diverse electricity sector in Ecuador by promoting gender equity, empowering women, and enhancing opportunities for persons with disabilities.
- 2.4 Overall, the PBP's main beneficiaries include the general population, communities needing electricity access, private enterprises, and women and persons with disabilities.

III. Objectives and Justification of the TC

Objectives. The general objective of this TC is to support the execution and 3.1 implementation of the policy measures by the GoE toward a just energy transition and the promotion of investments in Ecuador's energy sector. The specific objectives are: (i) to support a series of actions to achieve an orderly, fair, and inclusive energy transition, including (a) building capacity and developing skills about the energy transition in public and private sector actors, and tools to reach agreements between the actors that intervene in territories with energy activities. (b) developing a strategy to eliminate barriers to investment in the energy transition and identify opportunities in the value chain, from mining production to renewable energy generation, (c) strengthening planning tools for expanding the electricity transmission sector during the energy transition, and (d) developing efficient business schemes to create an investment plan for providing clean and affordable electricity to communities currently lacking such services; (ii) to design and implement pilot projects with microgrid solutions, individual solar energy systems, and other decentralized energy solutions, providing local technical training programs on rural and indigenous communities focused on isolated territories in the Amazon, and evaluating the sustainability of the projects; and (iii) to implement gender and disability strategies and actions, including: (a) workplace capacity building, (b) supporting community economic empowerment projects and cooking alternatives with a focus on women's access to energy in Amazonian territories, and (c) implementing infrastructures and innovations for women and people with disabilities in the energy sector, in accordance with the actions of the National Government.

- 3.2 Background and justification. The GoE is committed to a just energy transition to meet the Sustainable Development Goals and the 2030 United Nations Agenda. In 2019, it presented its first Nationally Determined Contribution (NDC)2, aiming to reduce greenhouse gas emissions in the energy sector by 9% by 2025. The three key actions include: (i) the use of renewable energy; (ii) enhancing energy efficiency; and (iii) promoting sustainable mobility while addressing gender gaps. The 2021-2025 National Development Plan³ emphasizes universal electricity access and energy matrix diversification, fostering a favorable environment for investments and public-private partnerships. The NDC highlights reducing gender gaps and impacts on vulnerable groups, aiming to increase renewable energy's share of generation capacity to 90% by 2030, expand electricity access, and improve fuel efficiency through optimized power generation. The NDC aligns with Ecuador's National Development Plan, linking its goals to the SDGs for universal electricity access, energy efficiency, and energy matrix diversification. This CT and the PBP support the GoE in meeting its international and national commitments by 2025, aligning with 2030 emission targets, continuing the country's commitment to a just energy transition and ensuring the sustainability of policy reforms within the programmatic series.
- 3.3 This Program identified that the country needs to enhance efforts in (i) energy sector decarbonization; (ii) increase private sector involvement in electricity service delivery; (iii) achieve universal access to electricity; and (iv) promote equal opportunities for women and people with disabilities in the sector.
- 3.4 Given the proposed scope above and based on the need for an adequate timeframe for the effective implementation of the planned actions, the execution of the CT is estimated to be 48 months. This need for an appropriate timeframe also aligns with the PBP timeline, supporting the achievement of the Program's outcomes, ensuring that policy measures and interventions are implemented consistently and sustainably to achieve the expected objectives of this CT. Additionally, a four-year horizon provides the necessary time to ensure that the interventions are sustainable and aligned with the country's commitments.
- 3.5 **Energy sector decarbonization.** In 2022, RE accounted for 65.4% of Ecuador's energy matrix. The country aims to reach 90% by 2030. Distributed generation, currently at 18MW, remains underutilized. Technical studies and pilot projects are needed to assess resources, investment needs, viability, and uses for distributed generation. Ecuador also requires an innovation framework to promote RE initiatives and enhanced planning capabilities for electricity generation expansion that aligns with a just energy transition, considering workers' and users' conditions, universal access, service costs, power system sustainability, efficiency, and resilience.
- 3.6 **Private sector participation in electricity service delivery.** The GoE has determined that it needs to strengthen its incentives for attracting, enabling, and retaining private investments in expanding electricity service delivery within the National Interconnected System (SNI, for its acronym in Spanish) through distributed

³ Plan Creating Opportunities 2021-2025.

- generation, application of technology and expertise in the electricity supply chain, new alternative RE sources, electric vehicles, and charging stations⁴.
- 3.7 **Universal access to electricity**. Ecuador's population in 2020 was estimated at 17.5 million, of which 51% are women. According to the GoE's Universal Access to Energy Plan, by 2021, the electricity coverage was 97.30% at the national level. The number of households without electricity is estimated to be around 150,000, according to estimates by the Ministry of Energy and Mines (MEM).⁵ To ensure that the entire population benefits from the just energy transition, the Ecuadorian government's objective is to increase coverage until universal access is achieved in 2030. Population growth, especially in remote rural and marginalized urban areas where informal housing is common, interferes with the SNI's ability to deliver universal electricity access. Distributed energy pilot projects for energy access in the Amazon region's rural communities can help increase energy access and reduce energy poverty⁶ and inequality.
- 3.8 **Equal opportunities in the sector for women and people with disabilities.** The diagnostic assessment performed by the PBP project team found that the current 21% share of women working in electricity sector companies in Ecuador is below the average for the region,⁷ and that only 5 out of 22 companies analyzed are close to meeting the Disability Act's quota.⁸ In addition, due to budgetary allocations, only two companies comply with accessible infrastructure and signage requirements.
- 3.9 Notwithstanding the progress anticipated under the PBP, in 2027, gaps will still need to be closed to achieve the 2030 targets. More specifically, progress still needs to be made in incorporating RE, supporting new technologies, working toward universal access to electricity, and enhancing the country's planning capabilities with a vision for a just transition that will benefit the entire population, including gender equality and diversity. To consolidate the gains achieved thus far, continue strengthening its fair and inclusive energy transition process, and achieve the targets outlined in the NDC and National Development Plan, the GoE requested the Bank's support through this TC to face the abovementioned challenges. The activities to be carried out in this TC will continue supporting the efforts of the GOE in achieving a fair and inclusive energy transition that promotes dialogue facilitation and enhances the management capacities of national entities involved in achieving the goals.
- 3.10 **Alignment.** The TC is consistent with the IDB Group Institutional Strategy (CA-631) and is aligned with the objectives of: (i) Reducing Poverty and Inequality by promoting universal access to energy; (ii) Bolstering Sustainable Regional Growth, by developing energy projects to improve energy security and efficiency; and (iii) Addressing Climate Change by contributing to the resilience, sustainability, and emissions reduction of the sector. The operation is also aligned with the following operational focus areas: (i) Gender Equality and Inclusion of Diverse Population Groups; (ii) Institutional Capacity, Rule of Law, and Citizen Security; (iii) Social Protection and Human Capital

⁴ Analysis of private participation and employment in Ecuador's energy transition (<u>EEO#4</u>).

⁵ Based on figures from the National Institute of Statistics and Censuses (INEC), 2022.

⁶ Energy Poverty refers as lack of adequate, affordable, reliable, quality, safe, and environmentally sound energy services. According to the <u>World Bank</u>, energy poverty may be defined by the minimum energy consumption needed to sustain lives.

Analysis of gender and people with disabilities in the electricity sector (<u>EEO#3</u>).

A minimum of 4% of permanent positions suited to their knowledge base, physical abilities, and individual aptitudes in pursuit of gender equity and disability diversity.

- Development; (iv) Sustainable, Resilient, and Inclusive Infrastructure; and (v) Productive Development and Innovation through the Private Sector.
- 3.11 The TC is aligned with the IDB Group Country Strategy with Ecuador 2022-2025 (GN-3103-1) by contributing to the following strategic objectives: (i) strengthen the regulatory frameworks that facilitate private investment; (ii) expand the coverage and quality of physical and technological infrastructure; and (iii) expand access to and improve coverage of basic and social services. It is aligned with the following priority areas: (i) development of the productive sector as a driver of sustainable growth; and (ii) strengthening of social progress, emphasizing reducing gender gaps. This TC is also consistent with the Energy Sector Framework Document (GN-2830-8) and the Climate Change Sector Framework Document (GN-2835-13) through the themes of sustainability, nonconventional RE, and energy efficiency, and with the Sustainable Infrastructure Strategy for Competitiveness and Inclusive Growth (GN-2710-5), by promoting improvements to infrastructure governance to increase efficiency in service delivery and supporting the development of policies for CO₂ mitigation.
- 3.12 This TC is aligned with the Amazon Forever Regional Coordination Program of the IDB Group, which promotes sustainable and inclusive development in the Amazon Region. Furthermore, it adheres to the pillars of sustainable infrastructure by advancing the decarbonization of the energy sector and ensuring universal access to electricity in rural Amazonian areas. It is also aligned with the cross-cutting areas of gender, inclusion, and climate change, as outlined in the Amazon initiative's conceptual framework described in document GN-3036-4.
- 3.13 The TC is aligned with Ecuador's Electricity Master Plan 2018-2027, which promotes investments in Non-Conventional RE for about US\$2,200 million and establishes the transition towards a cleaner and more sustainable energy matrix as an objective.
- 3.14 Since 2010, the Bank has financed a total of US\$2,646 million in Ecuador and approximately US\$10 million in TC in the sector, including investment loans such as: (i) Sustainable Management of Subsoil Resources and Associated Infrastructure (4989/OC-EC) in 2020; (ii) Modernization and Renewal of the Ecuadorian Electrical System Program (4600/OC-EC) in 2018; (iii) Support for the Advancement of Ecuador's Energy Matrix Change (4343/OC-EC) in 2017; (iv) Program for the Reconstruction of Electrical Infrastructure in Earthquake-Affected Areas of Ecuador (3906/OC-EC) in 2017; and (v) Investment Plan in Support of Ecuador's Energy Matrix Change (3710/OC-EC) in 2016. The energy transition will be further supported by TC initiatives such as: Support for Energy Transition and Strengthening of Electric Sector Companies (ATN/OC-20048-EC), Support for Ecuador's Energy Transition (ATN/OC-19248-EC), and Support for the Digitalization of the Infrastructure Operation in Electric Distribution Companies in Ecuador (ATN/OC-18856-EC).

IV. Description of activities/components and budget

- 4.1 This TC entails the implementation of eight interrelated components, designed to complement, directly support, and facilitate the achievement of the PBP's objectives:
- 4.2 Component 1. Knowledge about the energy transition in public and private sector actors, and tools to reach agreements between the actors that intervene in territories with energy activities. This component finances studies for: (i) developing training activities related to facilitating dialogue, consensus building, and training for developing capacities, policies, programs, and regulations in energy

transition to adapt to new technologies and employment opportunities that arise in the green economy, including cybersecurity and digitization in the energy sector, and developing training and education programs from the perspective of the energy transition to improve the skills of workers and companies; and (ii) developing a Just Transition Agreement⁹ for the territories where energy activities are carried out, with the participation of electricity sector institutions and other public institutions, private companies, academy, and potential beneficiaries. The agreement will prioritize critical interventions to promote a transition by recognizing the rights of ethnic groups and minorities.

- 4.3 Component 2. Knowledge of the measures needed to encourage investments in energy transition. This component finances studies for: (i) designing a strategy to form strategic alliances with Canadian research centers, which includes a policy of patents, technology transfer, and joint business models in mining and hydrocarbons and technological products. The strategic alliances envisioned aim to provide knowledge, tools, and incentives to channel investments away from fossil fuels and towards using renewable energy in the extractive industries; and (ii) developing a study to eliminate barriers to investment in the energy transition and identify opportunities in the value chain, from mining production to RE generation, and to design a market mechanism and incentives to facilitate investments in substituting energy generation from fossil sources in the extractive industry.
- 4.4 Component 3. Knowledge about the current state of the electricity service and measures for the energy transition. This component finances studies for: (i) developing a cost/efficiency study of the electricity service provision (transparency in subsidies and tariffs); and (ii) developing reports on advice for strengthening planning tools for expanding the electricity transmission sector in the energy transition.
- 4.5 Component 4. Knowledge of measures to promote investment in access to clean energy. This component finances a study for the identification, analysis, and design of efficient business schemes to develop an investment plan. This plan will enable communities without access to clean and affordable electricity to obtain these services.
- 4.6 Component 5. Improvement of access to energy in Amazonian territories with the presence of energy projects. This component finances: (i) a feasibility study and the design of pilot projects for mini grids in the territories; and (ii) the implementation of pilot projects with microgrid solutions, individual solar energy systems, and other decentralized energy solutions in isolated territories, as well as social, environmental assessments and the development of information, consultation, participation activities in the territories, and local technical training programs to evaluate the sustainability of pilot projects in the territories. The feasibility study will consider environmental, social, technical, and economic aspects to reduce possible risks, and work will be done with the communities in which the pilot projects will be designed based on their needs. Likewise, women and other interested community members will be trained to acquire technical skills needed to participate in the maintenance of the installed systems.
- 4.7 Component 6. Technical and professional education and training for women in the energy sector. This component finances studies for: (i) implementing the actions

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Just Transition, developed into a toolkit of actions and strategies, intended to guarantee equity and fairness in environmental and climate policy accompanying the economic transformations associated with the transition to net-zero emissions (BID,2023). Just Transition Agreement is a participative agreement of energy activities within the transition framework, with a territorial focus, prioritizing the rights and involvement of ethnic groups and minorities.

defined in the Gender and Persons with Disabilities Strategy of the MEM and the 22 Electricity Companies, and forming Gender Committees to oversee the Action Plan of the Gender and Persons with Disabilities Strategy; (ii) training for indigenous women in generating energy from renewable sources, as well as training women in technical areas to work on electricity transmission and/or distribution lines from a technical training center; and (iii) seeking alliances with universities to create careers related to the energy transition, to establish quotas for women, and to encourage internships for young women in their final years of energy, mining, and related careers.

- 4.8 **Component 7. Community participation in the energy transition.** This component finances: (i) a study of efficient cooking alternatives in Amazonian territories to improve the living conditions of women and girls, who traditionally spend more time at home; (ii) raising awareness among children and young people in schools and colleges to promote the spread of knowledge about the energy transition within their families; and (iii) support with advising community economic empowerment projects prioritizing women's access to energy.
- 4.9 Component 8. Working and hiring conditions of women in the energy sector. This component finances: (i) training and awareness-raising on the prevention of violence and sexual harassment in the workplace in coordination with the advice of women's organizations and specialized State entities, as well as capacity building in the hiring practices of companies in the energy sector, to incorporate gender considerations for the filling of vacancies in operational positions and media, and performing activities, publications, and communications with inclusive language; and (ii) implementing infrastructures and innovation for women and people with disabilities (nurseries, changing rooms in technical areas, etc.).
- 4.10 As an added value, the TC will provide specialized technical assistance that is not available in the country and help ensure that the project is viable, efficient, effective, and sustainable, as well as promote the participation of stakeholders in the project.
- 4.11 **Beneficiaries.** The direct beneficiaries will be the MEM through the studies that will strengthen its institutional capacity on related issues with a fair and inclusive energy transition; and recipients of training, electricity access solutions, and users of better working conditions provided by the TC. The indirect beneficiaries are expected to be the country's inhabitants, consistent with the PBP operation, which is projected to reduce CO₂ emissions and poverty overall by advancing an inclusive energy transition in which people from different social groups benefit equitably. Moreover, through the promotion of private sector participation in clean electricity, universal access to electricity, and promotion of gender and disability equity in the electricity sector, the PBP targets benefitting women, the poor, the disadvantaged, and the indigenous communities in the Ecuadorian Amazon, as main beneficiaries of the energy transition process.
- 4.12 **Indicative Budget.** The total cost of this project is US\$4,548,301. Global affairs Canada expects to commit CAD\$6,175,000 to this project, which is equivalent to US\$4,548,301 based on the exchange rate as of March 4th, 2024. Final resources in US dollars will depend on the exchange rate of the date when the resources are received by the Bank and converted into US Dollars. If a significant adverse fluctuation in the exchange rate reduces the amount of US dollars in this budget and such an amount cannot be covered by the contingency line, the project activities will be decreased appropriately, and the budget will be adjusted accordingly by the project team.

4.13 Resources of this project will be received from Global Affairs Canada through Canada Cooperation Framework (CCF) for a Project Specific Grant (PSG). A PSG is administered by the Bank according to the "Report on COFABS, Ad-Hocs, and CLFGS and a Proposal to Unify Them as Project Specific Grants (PSGs)" (Document SC-114). As contemplated in these procedures, the commitment by Global Affairs Canada will be established through a separate Administration Agreement. The administration fee will be distributed to Bank's departments as applicable, in relation to the workload due to preparation, execution and monitoring of the operation as well as administration of the PSG Agreement.

Indicative Budget

Commonant	A address	Description	Budg	et
Component	Activity	Description	CAD\$	US\$
Component 1. Knowledge about the	Training in energy transition	Develop capacities, policies, programs, and regulations in the energy transition to adapt to new technologies and employment opportunities that arise in the green economy, including cybersecurity and digitization in the energy sector.	12,500	9,207
energy transition in public and private sector actors, and tools to reach agreements	energy transition	Develop and promote training and education programs from the perspective of the energy transition to improve the skills of workers and companies.	125,000	92,070
between the actors that intervene in territories with energy activities	Just Energy Transition Agreement	Create a Just Transition Agreement for the territories where energy activities are carried out, which facilitates dialogue and consensus building and prioritizes critical interventions to promote a transition with recognition of the rights of ethnic groups and minorities.	200,000	147,313
Component 2.	Technology transfer strategic alliances strategy	Generate a strategy for the formation of strategic alliances with Canadian research centers, which contemplates a policy of patents, technology transfer, and joint business models in mining hydrocarbons, and technological products.	200,000	147,313
Knowledge of the measures needed to encourage investments in energy transition	Studies to promote	Carry out a study to remove barriers to investment in the energy transition and identify opportunities in the value chain, from mining production to renewable energy generation.	250,000	184,142
energy transition	investments in energy transition	Design and promote a market mechanism and incentives to facilitate investments in the substitution of energy generation away from fossil sources in the extractives industry.	200,000	147,313
Component 3. Knowledge about the current state of	Cost efficiency study of electricity service	Carry out a cost/efficiency study of the provision of electricity service in Ecuador (Transparency in subsidies and rates).	200,000	147,313

Component	Activity	Description	Budo	get
-		Description	CAD\$	US\$
the electricity service and measures for the energy transition.	Report on advice for strengthening planning tools for the expansion of the electricity transmission sector	Develop a consultancy to strengthen planning tools for the expansion of the electricity transmission sector in the energy transition.	200,000	147,313
Component 4. Knowledge of measures to promote investment in access to clean energy.	Study of business schemes	Identify efficient business schemes, designs, and studies to develop an investment plan that allows access to clean and affordable electricity to communities that do not have such services.	400,000	294,627
		Carry out a feasibility study and design pilot projects for electric mini grids in the territories.	490,250	361,102
Component 5. Improved access to energy in Amazonian territories with	Energy projects Implementation in the Ecuadorian Amazon	Implement pilot projects with microgrid-type solutions, individual solar energy systems, and other decentralized energy solutions in isolated territories, benefiting indigenous communities in the Ecuadorian Amazon and social environmental assessments.	1,912,250	1,408,500
the presence of energy projects	,	Develop information, consultation, and participation activities in the territories.	250,000	184,142
		Develop local technical training programs for the sustainability of pilot projects in the territories.	300,000	220,971
	Actions of the Strategy for Gender and People with	Implement actions defined in the Gender and People with Disabilities Strategy of the MEM and the 22 Electric Companies.	250,000	184,142
Component 6.	Disabilities implemented	Form Gender Committees to monitor the Action Plan of the Gender and People with Disabilities Strategy.	25,000	18,414
Technical and professional education and	Training for women in	Train indigenous women in energy generation from renewable sources.	300,000	220,971
training for women in the energy sector.	technical areas of the energy sector	Train women in technical areas, work at height, and electricity, with certification from a technical training center.	50,000	36,828
	Careers related to the energy transition and related with participation quotas for	Establish alliances with universities to create careers related to the energy transition and related to the sector and establish quotas for women.	25,000	18,414

Component	Activity	Description	Budg	get
Component	Activity	Description	CAD\$	US\$
	women and internships for young women in energy, mining, and related careers	Encourage internships for young women who are in their final years of energy, mining, and related careers.	100,000	73,657
	Study of efficient cooking alternatives	Develop a study of efficient cooking alternatives in Amazonian territories to improve the living conditions of women and girls who traditionally spend more time at home.	250,000	184,142
Component 7. Community participation in the energy transition.	Sensitization to children and young people in energy transition	Sensitize children and young people in schools and colleges to reproduce knowledge on energy transition within families.	60,000	44,194
transition.	Community projects for economic empowerment with priority for women based on access to energy	40,000	29,463	
	Training in the prevention of violence, workplace and	Train and raise awareness in the prevention of workplace and sexual violence and harassment in coordination with advice from women's organizations and specialized state entities.	35,000	25,780
Component 8. Working and hiring conditions of women in the	sexual harassment, and inclusive hiring practices	Develop capacities in the hiring practices of companies in the energy sector, to incorporate gender considerations for the filling of vacant positions in operational, managerial, and media positions.	30,000	22,097
energy sector.	Infrastructure and innovation for women and people with disabilities	Implement infrastructure and innovation for women and people with disabilities (lactation rooms, nurseries, changing rooms in technical areas, etc.).	250,000	184,142
	Published inclusive language materials	Carry out activities, publications, and communications with inclusive language.	20,000	14,731
		Total	6,175,000	4,548,301

V. Executing agency and execution structure

5.1 The implementation of this project will be carried out by the Bank through the Energy Division (INE/ENE). The TC will be executed by the Bank, following the guidelines outlined in Appendix II (Criteria for Bank-executed Contracting) of the Operational Guidelines for TC Products (OP-619-4). Bank execution will ensure synergy and better utilization of various activities, studies, and consultations that the Bank has been conducting with the MEM, minimizing the risks of duplicating efforts.

- Additionally, the Bank will oversee procurement processes and coordination with various stakeholders.
- 5.2 The Bank will execute all activities included in Components 1 to 8, including those considered under Component 5 (preparation and implementation of pilot projects). The Bank will be responsible for supervising all components, final approval of all products, and for preparing and submitting the project reporting to the donor, and for all other actions and deliverables about project execution and agreed with the donor in the Administration Agreement.
- Procurement. The Bank will contract the services of individual consultants and/or consulting firms, as well as different consulting services, following the current procurement policies and procedures for operations executed by the Bank: (i) for the hiring of individual consultants, the Bank will apply Regulation AM-650 "Complimentary Workforce"; (ii) for the hiring of consulting firms, the procurement of logistical services, and other services different from consulting, the Bank will apply the new "Corporate Procurement Policy" (GN-2303-33) and the "Guidelines for Corporate Procurement".
- 5.4 The Bank will implement the operation and monitor the execution through the following mechanisms: (i) technical work meetings between the Bank and the MEM through the Electricity Distribution Company (EDC) as beneficiaries and involved in the project; (ii) review by the MEM, the EDC and the Bank of the technical reports to be presented by the consultants and consulting firms; and (iii) monitoring and supervision of the work of consultants and consulting firms.
- 5.5 The total contribution from Global Affairs Canada will set aside a 5% administration fee to cover the financial management cost of this project, including budgeting, disbursement management, and accountability. 10
- 5.6 In accordance with the Operational Guidelines for TC Products (GN-2629-1), this TC is classified as an Operational Support product. Technical responsibility will be under INE/ENE. The designated focal point and sector specialist responsible for executing the TC will be the Team Leader established in Quito, Ecuador.
- 5.7 All knowledge products derived from this TC will be the Bank's intellectual property.

VI. Major issues

6.1 As the main activities are related to studies, training, and the development of pilots, the team did not identify a major risk in this TC. However, minor risks identified include: (i) lack of coordination across the MEM and the Electricity Companies may make it difficult for the government entities to collaborate. To mitigate this risk, the Bank will boost its ongoing dialogue with the MEM and other sector authorities, maintaining fluid communication to ensure their support and commitment to the project and promote inter-agency coordination; (ii) potential low level of interest or participation from workers, companies, or women's groups in the training and coaching programs of Components 1, 5, 6, and 8. To mitigate this risk, approaches with local and sectoral organizations will be established to provide confidence of benefits to potential participants, and it will be ensured that accredited academic institutions carry out training and that participants receive certifications to increase their interest; and (iii) potential longer development times due to logistics and communication obstacles

¹⁰ See footnote 1

than initially planned for implementing pilot projects of Component 5 in Amazon territories. To mitigate this risk, possible unforeseen events will be considered in the design and establishment of the schedule, and action routes will be established for these cases.

VII. Exceptions to Bank policy

7.1 There are no exceptions to the Bank's policies.

VIII. Environmental and Social Aspects

8.1 This TC will finance feasibility or pre-feasibility studies of investment projects and the associated environmental and social studies, whose terms of reference and products will be consistent with the requirements established in the Bank's Environmental and Social Policy Framework (ESPF).

Required Annexes:

- Annex I Results Matrix
- Annex II Procurement Plan

Required Electronic Links:

- REL#1 Request from the Client
- REL#2 Terms of Reference

Anexo I - EC-T1567 Página 1 de 2

TCM Cycle:

Last Update:

EC-T1567 Operation Number: TCM Period 2023 3/20/2024

Results Matrix

Outcomes													
Outcome:	1 Increased tech	nnical and pr	ofessional education	and training		in the energy sector							
Indica	ntors	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification		2024	2025	2026	2027	2028	EOP
1.1 Women graduate					, oui		Р	0.00	0.00	0.00	0.00	1.00	1.00
professional programs sector	s in the energy		%	0.30	2023	Government statistics	P(a)	0.00	0.00	0.00	0.00	1.00	1.00
						reports	Α						
Outcome:	2 Improved acce	es to energy	in Amazonian territo	ries with the	presence o	f energy projects	А						
Juccome. Indica		Flags*	Unit of Measure	Baseline	Baseline	Means of verification		2024	2025	2026	2027	2028	EOP
2.1 Households in Ec		i iuga	Offic of Micasure	Duscinic	Year	means of vermeation	Р	0.00	0.00	0.00	0.00	85.00	85.00
Amazonian with acce						Government statistics							
			%	82.00	2023	reports	P(a)	0.00	0.00	0.00	0.00	85.00	85.00
							Α						
Outcome:		•	•	•	nd private se	ector actors, and tools to r	each agı	reements be	etween the				
Indica		ene in territo Flags*	ories with energy activ	/ities Baseline	Baseline	Means of verification		2024	2025	2026	2027	2028	EOP
3.1 Project beneficiari		i iuga	One of measure	Dascille	Year	means of vermeation	Р	0.00	0.00	0.00	0.00	100.00	100.00
n just energy transiti			0/	0.00	2000	Partner organization and							
			%	0.00	2023	beneficiaries survey	P(a)	0.00	0.00	0.00	0.00	100.00	100.00
							A						
Outcome:			sed on gender and di	•	Ecuadoria Baseline	•							
Indica		Flags*	Unit of Measure	Baseline	Year	Means of verification		2024	2025	2026	2027	2028	EOP
I.1 Electricity sector of disaggregated by sex	' '						Р	0.00	0.00	0.00	0.00	80.00	80.00
eel that Discriminatio	n based on gender		%	100.00	2023	Beneficiaries survey	P(a)	0.00	0.00	0.00	0.00	80.00	80.00
and disability in the E sector was reduced	cuadorian electricity						Α						
Outcome:	5 Increased acce	ess to electri	city service by rural a	nd indigenou		ities							
Indica	ntors	Flags*	Unit of Measure	Baseline	Baseline Year	Means of verification		2024	2025	2026	2027	2028	EOP
5.1 Households in Ec	uador with access to						Р	0.00	0.00	0.00	0.00	98.00	98.00
energy			%	97.30	2023	Government statistics	P(a)	0.00	0.00	0.00	0.00	98.00	98.00
						reports	Α						
Outcome:	6 Improved tools	to develop a	l an orderly, fair, and in	clusive ener	∟ gy transitio≀	n process in Ecuador							
Indica	ntors	Flags*	Unit of Measure	Baseline	Baseline	Means of verification		2024	2025	2026	2027	2028	EOP
6.1 Energy generated		-			Year		Р	0.00	0.00	0.00	0.00	30.00	30.00
sources / total energy Ecuador.	generated in		%	18.50	2023	Government statistics	P(a)	0.00	0.00	0.00	0.00	30.00	30.00
_ouauoi.			/0	10.00	2020	reports		0.00	0.00	0.00	0.00	55.00	30.00
Outcomo	7 Improved living	a conditions	and well being of sem	munition			Α						
Outcome:			and well-being of com Unit of Measure		Baseline	Means of verification		2024	2025	2020	2027	2020	EOP
Indica 7.1 Project beneficiari		Flags*	Unit of Measure	Baseline	Year	Weans of Verification		2024	2025	2026	2027	2028	
by sex) who feel that t							Р	0.00	0.00	0.00	0.00	60.00	60.00
conditions, improved.			%	0.00	2023	Beneficiaries survey	P(a)	0.00	0.00	0.00	0.00	60.00	60.00
							Α						

CRF Indicator

Outputs: Annual Physical and Financial Progress

1 1. Knowledge about the energy tran	•	•	tools to reach	ag					Physical Pro	ogress						Financial Pro	ogress							
reements between the actors that into	ervene in territories with	energy activities.																						
Outputs	Output Description	Unit of Measure	Baseline	Baseline Year	Means of verification		2024	2025	2026	2027	2028	EOP		2024	2025	2026	2027	2028	EOP	Theme	Fund	Flags		
.1 Individuals Trained	# of people trained on energy transition to	Individuals (#)		0 2024	MEM Report	Р	0	C	100	100	100	300	Р	0	0	33759	33759	33759	101277	Sustainable Energ and Climate Change	CCF			
	actor from public and private sectors					P(a)	0	C	100	100	100	300	,	0	0	33759	33759	33759	101277	Change				
.2 Just Energy Transition Agreement,		Institutions (#)		0 2024	MEM Report	A	_						Α		-					Sustainable Energ	v 005			
reated		institutions (#)	,	0 2024	MEM Report	Р	0	C	10	10	10	30	Р	0	0	49104	49104	49105	147313	Sustainable Energ and Climate	y CCF			
						P(a)	0	C	10	10	10	30	P(a)	0	0	49104	49104	49105	147313	Change				
						Α							Α											
2 2. Knowledge of the measures need	ded to encourage investm	ents in energy trans	ition						Physical Pro	ogress						Financial Pro	ogress							
Outputs	Output Description	Unit of Measure	Baseline	Baseline Year	Means of verification		2024	2025	2026	2027	2028	EOP		2024	2025	2026	2027	2028	EOP	Theme	Fund	Flags		
2.1 Strategies designed	# Strategies for technology transfer	Strategies (#)	(0 2024	MEM Report	Р	0	C	0	0	1	1	Р	0	0	0	0	147313	147313	Sustainable Energ	CCF			
	strategic alliances																			Change				
	formalized	formalized	formalized					P(a)	0	С) (0	1	1	P(a)	0	0	0	0	147313	147313			
						A							A											
.2 Feasibility study completed	# studies to promote investments in energy	Studies (#)	(0 2024	MEM Report	Р	0	С	(0	2	2	Р	0	0	0	0	331455	331455	Sustainable Energ and Climate	CCF			
	transition					P(a)	0				,	2	P(a)		0		0	331455	331455	Change				
								P(a)	U			0	2	2	P(a)	U	U	U	U	331455	331433			
						Α							Α											
3 3. knowledge about the current stat	te of the electrical service	and measures for the	he energy trans	iti					Physical Pro	ogress						Financial Pro	ogress				·	<u>-</u>		
Outputs	Output Description	Unit of Measure	Baseline	Baseline Year	Means of verification		2024	2025	2026	2027	2028	EOP		2024	2025	2026	2027	2028	EOP	Theme	Fund	Flags		
3.1 Feasibility study completed	# cost efficiency study				MEM Report	Р	0	C) (1	0	1	Р	0	0	0	147313	0	147313	Sustainable Energ	y CCF			
	of electrical service																			and Climate Change				
			P(a) 0 0 0 1 0	1	P(a)	0	0	0	147313	0	147313	3												
						Α							Α											
.2 Project proposal developed	# reports on advice for strengthening planning	Proposals (#)	(0 2024	MEM Report	P	0	C	0	1	0	1	P	0	0	0	147313	0	147313	147313 Sustainable Energy and Climate	Energy CCF			
to	strengthening planning tools for the expansion of the electricity	ols for the expansion	for the expansion	ng n P(a)					0	1	P(a)		0		147313	0	147313	Change						

	transmission sector							1		1		1	1 1											
						Α							Α											
4. Knowledge of measures to promo	ote investment in acces	s to clean energy		1					Physical Pr	ogress						Financial Pr	ogress							
Outputs	Output Description	Unit of Measure	Baseline	Baseline Yea	r Means of verification		2024	2025	2026	2027	2028	EOP		2024	2025	2026	2027	2028	EOP	Theme	Fund	Flags		
1.1 Feasibility study completed	# studies on business schemes for energy access	Studies (#)	(20	24 MEM Report	Р	0	0		0	0	1	Р	0	0	294627	0	0	294627	Sustainable Energy and Climate Change	CCF			
						P(a)	0	0		0	0	1	P(a)	0	0	294627	0	0	294627	onango				
5 5. Improvement of access to energy	in Amazonian territorie	s with the presence o	of energy projec	:ts		A			Physical Pr	ogress			Α			Financial Pr	ogress							
Outputs	Output Description	Unit of Measure	Baseline	Baseline Yea	r Means of verification		2024	2025	2026	2027	2028	EOP		2024	2025	2026	2027	2028	EOP	Theme	Fund	Flags		
5.1 Pilot interventions designed	Pilot projects designed in the Ecuadorian	Pilots (#)	(20	24 MEM Report	Р	0	0	:	2 0	0	2	Р	0	0	766215	0	0	766215	Sustainable Energy	CCF			
	Amazon					P(a)	0	0	:	2 0	0	2	P(a)	0	0	766215	0	0	766215	and Climate Change				
5 0 Dilet intercentions involved	Dilet projects	Dilete (#)		2 00	OA MEM Depart	Α							Α							Containable France	225			
5.2 Pilot interventions implemented	Pilot projects implemented in the	Pilots (#)		J 20	24 MEM Report	Р	0	0	(0	2	2	Р	0	0	0	0	1408500	1408500	Sustainable Energy and Climate	CCF			
	Ecuadorian Amazon					P(a)	0	0	(0	2	2	P(a)	0	0	0	0	1408500	1408500	Change				
						Α							Α											
6 6. Technical and professional educat	ation and training for wo	men in the energy se	ector						Physical Pr	ogress						Financial Pr	ogress							
Outputs	Output Description		Baseline		Means of verification		2024	2025	2026	2027	2028	EOP		2024	2025	2026	2027	2028	EOP	Theme	Fund	Flags		
6.1 Action plans implemented	Actions of the Strategy for Gender and People with Disabilities			20	24 MEM Report	Р	0	0		2	2	5	Р	0	0	40511.2	81022.4	81022.4	202556	Sustainable Energy and Climate Change	CCF			
	implemented					P(a)	0	0		2	2	5	. (ω)	0	0	40511.2	81022.4	81022.4	202556					
6.2 Individuals Trained	# women trained in	Individuals (#)	(20	24 MEM Report	A	0		-		400	200	A	0	0	04440.75	04440.75	400000 5	257799	Sustainable Energy	CCE			
	technical areas of the energy sector provide				, i	P(a)	0	0	50		100	200		0	0	64449.75 64449.75	64449.75 64449.75	128899.5 128899.5	257799	and Climate Change	001			
						Α				, 30	100	200	Α	0	0	04440.70	04443.70	120000.0	201100					
6.3 Careers related to the energy		Careers related to	(20	24 MEM Report	Р	0	0		2	2	5	Р	0	0	18414.2	36828.4	36828.4	92071	Sustainable Energy			CCF	
transition, along with participation quotas for women and internships for young women in energy, mining, and related fields. established		energy with participation quotas for women (#)				P(a)	0	0		2	2	5	P(a)	0	0	18414.2	36828.4	36828.4	92071	and Climate Change				
<u>, </u>						Α							Α											
7.7 Community Darticination in the E-																								
					,		0004	2025	Physical Pr		2000	505		0004	2225	Financial Pr		0000	505	Thoma	Fund	Flage		
Outputs	Output Description		Baseline		r Means of verification 24 MEM Report		2024	2025	Physical Pr 2026	ogress 2027	2028	EOP		2024	2025	2026	2027	2028	EOP	Theme Sustainable Energy	Fund	Flags		
Outputs	Output Description	Unit of Measure Studies (#)	Baseline (P P(a)	2024	2025			2028	EOP 1	P P(a)	2024	2025		2027	2028	EOP 184142 184142	Theme Sustainable Energy and Climate Change		Flags		
Outputs	Output Description # studies on efficient cooking alternatives		Baseline			P	2024	2025			2028	EOP 1	P	2024 0 0	2025	2026 184142	2027	2028	184142	Sustainable Energy and Climate		Flags		
Outputs 7.1 Feasibility study completed	Output Description # studies on efficient cooking alternatives developed # children and young people trained in	Studies (#)	Baseline	20		P P(a)	2024	2025		0 0	0	EOP 1 1 1 500	P P(a)	2024 0	2025 0 0	2026 184142	2027	2028 0 0	184142	Sustainable Energy and Climate Change Sustainable Energy and Climate	CCF	Flags		
Outputs 7.1 Feasibility study completed	Output Description # studies on efficient cooking alternatives developed # children and young	Studies (#)	Baseline	20	24 MEM Report	P P(a)	2024	2025	2026	2027	0 0	1	P P(a)	2024 0 0	2025 0 0	2026 184142 184142	0 0	0	184142 184142	Sustainable Energy and Climate Change	CCF	Flags		
7.1 Feasibility study completed 7.2 Individuals Trained	Output Description # studies on efficient cooking alternatives developed # children and young people trained in	Studies (#) Individuals (#)	Baseline	0 20	24 MEM Report 24 MEM Report	P P(a) A P P(a)	2024	2025	2026	2027 0 0 200 200	0 0 200 200	1 1 500	P P(a) A P P(a)	2024 0 0	2025 0 0	2026 184142 184142 8838.8 8838.8	2027 0 0 17677.6 17677.6	0 0 17677.6 17677.6	184142 184142 44194 44194	Sustainable Energy and Climate Change Sustainable Energy and Climate Change	CCF	Flags		
Outputs 7.1 Feasibility study completed	Output Description # studies on efficient cooking alternatives developed # children and young people trained in energy transition	Studies (#)	Baseline	0 20	24 MEM Report	P P(a) A P	2024	2025	2026	2027	0 0 200 200	1 1 500	P P(a) A P	2024 0 0	0 0	2026 184142 184142 8838.8	2027 0 0 17677.6	0 0 17677.6	184142 184142 44194 44194	Sustainable Energy and Climate Change Sustainable Energy and Climate	CCF	Flags		
Outputs 7.1 Feasibility study completed 7.2 Individuals Trained 7.3 Community projects for economic	Output Description # studies on efficient cooking alternatives developed # children and young people trained in energy transition	Studies (#) Individuals (#) # Community	Baseline	0 20	24 MEM Report 24 MEM Report	P P(a) A P P(a) A P	2024	2025	2026	2027 0 0 200 200	0 0 200 200	1 1 500 500	P P(a) A P P(a) A P	0 0	0 0	2026 184142 184142 8838.8 8838.8	2027 0 0 17677.6 17677.6	0 0 17677.6 17677.6	184142 184142 44194 44194	Sustainable Energy and Climate Change Sustainable Energy and Climate Change Sustainable Energy and Climate Change	CCF	Flags		
Outputs 7.1 Feasibility study completed 7.2 Individuals Trained 7.3 Community projects for economic empowerment, with a priority for women based on access to energy, supported	Output Description # studies on efficient cooking alternatives developed # children and young people trained in energy transition	Studies (#) Individuals (#) # Community projects	Baseline	0 20	24 MEM Report 24 MEM Report	P P(a) A P P(a) A	2024	2025	100	2027	0 0 200 200	1 1 500 500	P P(a) A P P(a) A	0 0	0 0	2026 184142 184142 8838.8 8838.8 5892.6	2027 0 0 17677.6 17677.6 11785.2	0 0 17677.6 17677.6	184142 184142 44194 44194 29463	Sustainable Energy and Climate Change Sustainable Energy and Climate Change Sustainable Energy and Climate Change	CCF	Flags		
Outputs 7.1 Feasibility study completed 7.2 Individuals Trained 7.3 Community projects for economic empowerment, with a priority for women based on access to energy, supported 8.8. Working and Hiring Conditions of	Output Description # studies on efficient cooking alternatives developed # children and young people trained in energy transition	Individuals (#) # Community projects		0 20	MEM Report MEM Report MEM Report	P P(a) A P P(a) A P	0 0 0 0 0	0	100 100 Physical Pr	2027 0 0 200 200 200 200	200 200 202 2	500 500 5	P P(a) A P P(a) A P	0 0 0 0	0 0 0	2026 184142 184142 8838.8 8838.8 5892.6 5892.6	2027 0 0 17677.6 17677.6 11785.2 11785.2	0 0 17677.6 17677.6 11785.2 11785.2	184142 184142 44194 44194 29463	Sustainable Energy and Climate Change Sustainable Energy and Climate Change Sustainable Energy and Climate Change	CCF			
Outputs 7.1 Feasibility study completed 7.2 Individuals Trained 7.3 Community projects for economic empowerment, with a priority for women based on access to energy, supported 8 8. Working and Hiring Conditions of Outputs	Output Description # studies on efficient cooking alternatives developed # children and young people trained in energy transition F Women in the Energy S Output Description # companies trained in	Individuals (#) # Community projects Sector Unit of Measure	Baseline	20 20 20 20 20 Baseline Yea	MEM Report MEM Report MEM Report	P P(a) A P P(a) A P	2024	2025	2026 100 100 Physical Pr 2026	2027 0 0 200 200 200 200 200 20	200 200 202 2	1 1 500 500 5 5	P P(a) A P P(a) A P A A	0 0	0 0	2026 184142 184142 8838.8 8838.8 5892.6 5892.6 Financial Properties of the control of the	2027 0 0 17677.6 17677.6 11785.2 11785.2 ogress 2027	0 0 17677.6 17677.6 11785.2 11785.2	184142 184142 44194 44194 29463	Sustainable Energy and Climate Change Sustainable Energy and Climate Change Sustainable Energy and Climate Change Theme Sustainable Energy	CCF	Flags		
Outputs 7.1 Feasibility study completed 7.2 Individuals Trained 7.3 Community projects for economic empowerment, with a priority for women based on access to energy, supported 8 8. Working and Hiring Conditions of Outputs	# children and young people trained in energy transition # Women in the Energy S Output Description # companies trained in prevention of violence, workplace and sexual harassment and	Individuals (#) # Community projects Sector Unit of Measure		20 20 20 20 20 Baseline Yea	MEM Report MEM Report MEM Report Means of verification	P P(a) A P P(a) A P A A A	0 0 0 0 0	0	100 100 Physical Pr	2027 0 0 200 200 200 200 200 200 10 10	200 200 202 2	500 500 5	P P(a) A P P(a) A P	0 0 0 0	0 0 0	2026 184142 184142 8838.8 8838.8 5892.6 5892.6	2027 0 0 17677.6 17677.6 11785.2 11785.2 ogress 2027	0 0 17677.6 17677.6 11785.2 11785.2	184142 184142 44194 44194 29463 29463	Sustainable Energy and Climate Change Sustainable Energy and Climate Change Sustainable Energy and Climate Change Theme	CCF			
Outputs 1 Feasibility study completed 2 Individuals Trained 3 Community projects for economic mpowerment, with a priority for women assed on access to energy, supported 8. Working and Hiring Conditions of Outputs	# children and young people trained in energy transition # Women in the Energy S Output Description # companies trained in prevention of violence, workplace and sexual	Individuals (#) # Community projects Sector Unit of Measure		20 20 20 20 20 Baseline Yea	MEM Report MEM Report MEM Report Means of verification	P P(a) A P P(a) A P	0 0 0 0 0	0	2026 100 100 Physical Pr 2026	2027 0 0 200 200 200 200 200 200 10 10	200 200 202 2 2	1 1 500 500 5 5 5	P P(a) A P P(a) A P	0 0 0 0	0 0 0	2026 184142 184142 8838.8 8838.8 5892.6 5892.6 Financial Pr 2026 11969.25	2027 0 17677.6 17677.6 11785.2 11785.2 ogress 2027 11969.25	0 0 17677.6 17677.6 11785.2 11785.2 2028 23938.5	184142 184142 44194 44194 29463 29463 EOP 47877	Sustainable Energy and Climate Change Sustainable Energy and Climate Change Sustainable Energy and Climate Change Theme Sustainable Energy and Climate Change	CCF			
Outputs 7.1 Feasibility study completed 7.2 Individuals Trained 7.3 Community projects for economic empowerment, with a priority for women based on access to energy, supported 8.8. Working and Hiring Conditions of Outputs 8.1 Institutions trained	Output Description # studies on efficient cooking alternatives developed # children and young people trained in energy transition F Women in the Energy S Output Description # companies trained in prevention of violence, workplace and sexual harassment and inclusive hiring practices Infrastructure and	Individuals (#) # Community projects Gector Unit of Measure Institutions (#)	Baseline	Baseline Yea	MEM Report MEM Report MEM Report Means of verification	P P(a) A P P(a) A P P(a)	0 0 0 0 0	0	2026 100 100 Physical Pr 2026	2027 0 0 200 200 200 200 200 200 10 10	200 200 202 2 2	1 1 500 500 5 5 5	P P(a) A P P(a) A P P(a) A	0 0 0 0	0 0 0	2026 184142 184142 8838.8 8838.8 5892.6 5892.6 Financial Pr 2026 11969.25	2027 0 17677.6 17677.6 11785.2 11785.2 ogress 2027 11969.25	0 0 17677.6 17677.6 11785.2 11785.2 2028 23938.5	184142 184142 44194 44194 29463 29463 EOP 47877	Sustainable Energy and Climate Change Sustainable Energy and Climate Change Sustainable Energy and Climate Change Theme Sustainable Energy and Climate Change Institutional	CCF			
Outputs 1 Feasibility study completed 2 Individuals Trained 3 Community projects for economic mpowerment, with a priority for women ased on access to energy, supported 8. Working and Hiring Conditions of Outputs 1 Institutions trained	Output Description # studies on efficient cooking alternatives developed # children and young people trained in energy transition F Women in the Energy S Output Description # companies trained in prevention of violence, workplace and sexual harassment and inclusive hiring practices Infrastructure and	# Community projects Gector Unit of Measure Institutions (#)	Baseline	Baseline Yea	MEM Report MEM Report MEM Report Means of verification MEM Report	P P(a) A P P(a) A P P(a) A	0 0 0 0 0	0	2026 100 100 Physical Pr 2026	2027 0 0 200 200 200 200 200 200 10 10	200 200 202 2 2028 20 20	1 1 500 500 5 5 5 5	P P(a) A P P(a) A P P(a) A	0 0 0 0	0 0 0	2026 184142 184142 8838.8 8838.8 5892.6 5892.6 Financial Pr 2026 11969.25 11969.25	2027 0 0 17677.6 17677.6 11785.2 11785.2 0gress 2027 11969.25	0 0 17677.6 17677.6 11785.2 11785.2 2028 23938.5	184142 184142 44194 44194 29463 29463 EOP 47877	Sustainable Energy and Climate Change Sustainable Energy and Climate Change Sustainable Energy and Climate Change Theme Sustainable Energy and Climate Change	CCF CCF Fund CCF			
Outputs 1.1 Feasibility study completed 2.2 Individuals Trained 3.3 Community projects for economic impowerment, with a priority for women leased on access to energy, supported 4.8. Working and Hiring Conditions of the Outputs 5.1 Institutions trained	# children and young people trained in prevention of violence, workplace and sexual harassment and inclusive hiring practices Infrastructure and innovation for women and people with disabilities, implemented.	Individuals (#) # Community projects Sector Unit of Measure Institutions (#) Institutions equipped (#)	Baseline	Baseline Yea 20 20 20 20 20	24 MEM Report 24 MEM Report 24 MEM Report T Means of verification 24 MEM Report 24 MEM Report	P P(a) A P P(a) A P P(a) A P P(a) A A A A A A A A A A A A A A A A A A A	0 0 0 0 0	0	2026 100 100 Physical Pr 2026	2027 0 0 200 200 200 200 200 200 10 10	200 200 200 2 2 2028 20 20	1 1 500 500 5 5 5 EOP 40 40	P P(a) A P P(a) A P P(a) A A A A A A A A A	0 0 0 0 0 2024 0 0	0 0 0 0 0 0 2025	2026 184142 184142 8838.8 8838.8 5892.6 5892.6 Financial Pr 2026 11969.25 11969.25 46035.5 46035.5	2027 0 0 17677.6 17677.6 11785.2 11785.2 11969.25 11969.25 46035.5	0 0 17677.6 17677.6 11785.2 11785.2 2028 23938.5 23938.5	184142 184142 44194 44194 29463 29463 EOP 47877 47877	Sustainable Energy and Climate Change Sustainable Energy and Climate Change Sustainable Energy and Climate Change Theme Sustainable Energy and Climate Change Institutional Development	CCF CCF CCF			
Outputs 7.1 Feasibility study completed 7.2 Individuals Trained 7.3 Community projects for economic empowerment, with a priority for women based on access to energy, supported 8.8. Working and Hiring Conditions of	# children and young people trained in energy transition # women in the Energy S Output Description # companies trained in prevention of violence, workplace and sexual harassment and inclusive hiring practices Infrastructure and innovation for women and people with disabilities, implemented. # Events or campaigns carried out per year of	Individuals (#) # Community projects Sector Unit of Measure Institutions (#) Institutions equipped (#)	Baseline	Baseline Yea 20 20 20 20 20	MEM Report MEM Report MEM Report Means of verification MEM Report	P P(a) A P P(a) A P P(a) A P P(a)	0 0 0 0 0	2025	2026 100 100 Physical Pr 2026	2027 0 0 200 200 200 200 200 200 10 10	200 200 200 2 2 2028 20 20	1 1 500 500 5 5 5 EOP 40 40	P P(a) A P P(a) A P P(a) A P P(a)	0 0 0 0	0 0 0 0 0 2025 0 0	2026 184142 184142 8838.8 8838.8 5892.6 5892.6 Financial Pr 2026 11969.25 11969.25 46035.5 46035.5	2027 0 0 17677.6 17677.6 11785.2 11785.2 11969.25 11969.25 46035.5	0 0 17677.6 17677.6 11785.2 11785.2 2028 23938.5 23938.5	184142 184142 44194 44194 29463 29463 EOP 47877 47877	Sustainable Energy and Climate Change Sustainable Energy and Climate Change Sustainable Energy and Climate Change Theme Sustainable Energy and Climate Change Institutional Development Sustainable Energy and Climate Change	CCF CCF CCF			
Outputs 7.1 Feasibility study completed 7.2 Individuals Trained 7.3 Community projects for economic empowerment, with a priority for women based on access to energy, supported 8 8. Working and Hiring Conditions of Outputs 8.1 Institutions trained 8.2 TC funded equipment delivered 8.3 Awareness raising campaigns	# children and young people trained in prevention of violence, workplace and sexual harassment and inclusive hiring practices Infrastructure and innovation for women and people with disabilities, implemented.	Individuals (#) # Community projects Sector Unit of Measure Institutions (#) Institutions equipped (#)	Baseline	Baseline Yea 20 20 20 20 20	24 MEM Report 24 MEM Report 24 MEM Report T Means of verification 24 MEM Report 24 MEM Report	P P(a) A P P(a) A P P(a) A P P(a) A A A A A A A A A A A A A A A A A A A	0 0 0 0 0 0 2024 0 0	2025	2026 100 100 Physical Pr 2026	2027 0 0 200 200 200 200 200 200 10 10	200 200 200 2 2 2028 20 20	1 1 500 500 5 5 5 EOP 40 40	P P(a) A P P(a) A P P(a) A A A A A A A A A	0 0 0 0 0 2024 0 0	0 0 0 0 0 0 2025	2026 184142 184142 8838.8 8838.8 5892.6 5892.6 Financial Pr 2026 11969.25 11969.25 46035.5 46035.5	2027 0 0 17677.6 17677.6 11785.2 11785.2 11969.25 11969.25 46035.5 46035.5	0 0 17677.6 17677.6 11785.2 11785.2 2028 23938.5 23938.5	184142 184142 44194 44194 29463 29463 EOP 47877 47877	Sustainable Energy and Climate Change Sustainable Energy and Climate Change Sustainable Energy and Climate Change Theme Sustainable Energy and Climate Change Institutional Development Sustainable Energy and Climate Change	CCF CCF CCF			

Other Cost

Total Cost

CRF Indicator

Standard Output Indicator

	2024	2025	2026	2027	2028	Total Cost
Р		\$3,682.75	\$1,527,641.05	\$650,939.85	\$2,366,037.35	\$4,548,301.00
P(a)		\$3,682.75	\$1,527,641.05	\$650,939.85	\$2,366,037.35	\$4,548,301.00
Α						

ent Plan Inter-American Development Bank

Procurement Plan

PROCUREMENT PLAN FOR IDB-EXECUTED OPERATIONS									
Country: Ecuador	Executing Agency: IDB	UDR: CAN/CEC							
Project number: EC-T1567	Project name: Fair and Inclusive Energy Transition in Ecuador								
Period covered by the Plan: 48 months	Total Project Amount: \$ 4,548,301								

					Selection			e of Finan Percenta	_		Estimated date of the		Comments
Component	Procurement Type (1) (2)	Service type (1) (2)	Description	Estimated contract cost (US\$)	Method (2)	Type of Contract	GAC		Other	External Donor	procureme	Estimated contract start date	Estimated contract finish date
							Amount	%	Amou	ınt %	notice		
Component 1	A. Consulting services	Consulting Firm (GN-2765)	Hiring for Sustainable Development: Strengthening in Energy Transition, Workforce Training, and Inclusive Agreements	\$248,590 \$	SCS	Lump Sum	\$248,590	100%	\$	- 09	6 1-Jan-25	30-Jun-25	30-Jun-26
Component 2	A. Consulting services	Consulting Firm (GN-2765)	Strategic Partnership Development, Investment Study, and Market Mechanisms for Energy Transition, Including the Extractive Industry	\$478,768	FCS	Lump Sum	\$478,768	100%	\$	- 04	6 1-Jun-26	28-Nov-26	26-May-28
Component 3	A. Consulting services	Consulting Firm (GN-2765)	Cost-Efficiency Study of Electrical Service Delivery and Enhancement of Planning Tools for Transmission Sector Expansion in the Energy Transition of Ecuador	\$294,626 F	-cs	Lump Sum	\$294,626	100%	\$ \$	- 09	6 1-Nov-24	30-Apr-25	30-Apr-27
Component 4	A. Consulting services	Consulting Firm (GN-2765)	Innovative Strategies for Clean Energy Investment and Sustainable Electricity Access in Underserved Communities	\$294,627 F	FCS	Lump Sum	\$294,627	100%	\$	- 04	% 1-Dec-24	30-May-25	30-May-26
Component 5	A. Consulting services	Consulting Firm (GN-2765)	Feasibility Study, Sustainable Minigrid Design, and Socio- Environmental Assessments: Community Engagement and Local Training	\$1,003,390	-cs	Lump Sum	\$1,003,390	100%	\$	- 09	% 1-Nov-24	30-Apr-25	30-Apr-26
Component 5	B. Goods (2)(iii)	Goods included in Cons. Firm RFP	Implement pilot projects with microgrid-type solutions, individual solar energy systems, and other decentralized energy solutions in isolated territories, benefiting indigenous communities	\$1,171,325		Lump Sum	\$1,171,325	100%	á \$	- 09	6 30-Apr-26	27-Oct-26	24-Apr-28
Component 6	A. Consulting services	Consulting Firm (GN-2765)	Implementation of Gender and Disability Strategies in the Energy Sector: Technical Training, Educational Inclusion, and Collaboration with Electric Companies	\$552,426 F	-cs	Lump Sum	\$552,426	100%	6 \$	- 09	% 1-Dec-24	30-May-25	30-May-26
Component 7	A. Consulting services	Consulting Firm (GN-2765)	Suggested Title: Strategy to Improve Living Conditions in the Amazon: Efficient Cooking Alternatives, Energy Transition Education, and Economic Support for Women and Girls in Community Projects	\$257,799 F	-cs	Lump Sum	\$257,799	100%	\$ \$	- 04	% 1-Jan-25	30-Jun-25	30-Jun-26
Component 8	A. Consulting services	Individual Consultant (AM- 650)	Empowerment and Inclusion Strategy: Training on Violence Prevention, Inclusive Hiring Practices, Infrastructure Design for Women and Individuals with Disabilities, and Inclusive Language Communications	\$62,608	cq	Lump Sum	\$62,608	100%	\$	- 09	% 1-Jan-25	30-Jun-25	30-Jun-26
Component 8	B. Goods (2)(iii)	Goods included in Cons. Firm RFP	Infrastructure and Innovation Development for Women and Individuals with Disabilities	\$184,142		Lump Sum	\$184,142	100%	\$ \$	- 09	% 30-Jun-26	27-Dec-26	19-Jun-28
Pre	pared by: Maria Julia Molina	•	TOTALS	\$ 4,548,301			\$ 4,548,301	100%	\$	- 09	6		

⁽¹⁾ Grouping together of similar procurement is recommended, such as publications, travel, etc. If there are a number of similar individual contracts to be executed at different times, they can be grouped together under a single heading with an explanation in the comments column indicating the average individual amount and the period during which the contract would be executed. For example: an export promotion project that includes travel to participate in fairs would have an item called "airfare for fairs", an estimated total value od US\$5,000, and an explanation in the Comments column: "This is for approximately four different airfares to participate in fairs in the region in years X and X1".

^{(2) (}i) Individual consultants: ICQ: Individual Consultant Selection Based on Qualifications; SSS: Single Source Selection. The selection process is done in accordance with AM-650.

^{(2) (}ii) Consulting firms: Per GN-2765-1, Consulting Firm selection methods for Bank-executed Operations are: Single Source Selection (<=250K) (FCS); and Framework Agreement Task Order (TO). All Consulting Firm selection processes under this policy must use the electronic module in Convergence.

^{(2) (}iii) Goods: Per GN-2765-1, par. A.2.2.c: "The procurement of goods and related services, except when such goods and related services contract value."

DOCUMENT OF THE INTER-AMERICAN DEVELOPMENT BANK

PROPOSED RESOLUTION DE- /24

Ecuador. Nonreimbursable Technical Cooperation ATN/CN-____-EC Fair and Inclusive Energy Transition in Ecuador

The Board of Executive Directors

RESOLVES:

- 1. That the President of the Bank, or such representative as he shall designate, is authorized, in the name and on behalf of the Bank, to enter into such agreement or agreements as may be necessary for the purpose of granting a nonreimbursable technical cooperation for a sum of up to CAD\$6,175,000 chargeable to the resources granted by the Government of Canada, pursuant to the agreement or agreements specified in paragraph 2 below, and to adopt any other measures as may be pertinent for the execution of the project proposal contained in document AT-
- 2. That the President of the Bank, or such representative as he shall designate, is authorized, in the name and on behalf of the Bank, to enter into such agreement or agreements with the Government of Canada as may be necessary to receive and administer resources for the purposes described in the project proposal specified in paragraph 1 above, and to adopt any other measures as may be pertinent for the execution of said agreement or agreements.
- 3. That the President of the Bank, or such representative as he shall designate, is authorized to distribute the administrative fees received by the Bank among the relevant departments for which additional workload is generated by virtue of the resources granted by the Government of Canada.
- 4. That the authorization granted in paragraph 1 above will be effective once the Bank and the Government of Canada have entered into the corresponding agreement or agreements to which reference is made in paragraph 2.

(Adopted on	2024)
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