



**CARIBBEAN COMMUNITY SECRETARIAT
ANNUAL WORK PROGRAMME 2019-2020**

NAME OF DIRECTORATE/UNIT:	Trade and Economic Integration
PROGRAMME:	Programme 18 - ENERGY
IMPLEMENTATION YEAR:	2019/2020
STRATEGIC BUSINESS PLAN OBJECTIVE(S):	ECN 4 – Increased competitiveness of key economic sectors to drive the transition to growth
ULTIMATE OUTCOME:	Sustainable economic growth for all CARICOM Member States
HIGH LEVEL ALIGNMENT: COMMUNITY STRATEGIC PLAN PILLAR 2015-2019	To engender sustainable growth of the economies of Member States
SUSTAINABLE DEVELOPMENT GOAL:	SDG 7 – Ensure access to affordable, reliable, sustainable and modern energy for all SDG 9 – Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

Result Statements	Milestones	Responsibility (Lead & Supporting Entities)
Intermediate Outcome: Increased competitiveness of key economic sectors to drive the transition to growth		
Immediate Outcome: Strengthened capacity for sustainable energy sector development		
Output: Initiatives to support Energy Efficiency, Diversification and Cost Reduction implemented		
<p>Activity: Develop and implement the First Phase of the Regional Energy Efficiency Strategy (REES)</p> <p>Member States Action(s): Share existing information on energy-use and energy efficiency opportunities, and support the various actions (including stakeholder dialogues and workshops) that are relevant to the exercise</p> <p>Validate and adopt (or adapt) the Strategy, when completed</p> <p>Community Decision ID: The proposal to develop a Regional Energy Efficiency Strategy was endorsed by the Sixtieth Special Meeting of the COTED (Energy) [January 2016, Guyana]</p>	<p>Milestone: The Regional Energy Efficiency Strategy (REES) is scoped and designed [Q2/2019]</p> <p>A Regional sub-policy and strategy for sustainable energy use in transport, identifying options for advanced and efficient vehicle technologies, alternate fuels and transport demand management, is developed [Q2/2019]</p> <p>Strategy and Roadmap for the electrification of transport is developed [Q2/2019]</p> <p>The First Phase of the implementation plan for the REES, with priority focus on the electrification of transport, is executed [Q3/2019]</p>	<p>Lead: Energy, TEI</p> <p>Supporting: CCREEE UWI CARILEC GIZ OAS UNIDO</p>



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Immediate Outcome: Strengthened capacity for sustainable energy sector development		
Output: Initiatives to support Energy Efficiency, Diversification and Cost Reduction implemented		
<p>Activity: Develop and implement the Regional Quality Infrastructure (RQI) for Sustainable Energy</p> <p>Member States Action(s): Participate in, and support, the various actions (including Regional Project Teams and validation workshops) that are relevant to the exercise</p> <p>Adopt the Regional Energy Efficiency Building Code (REEBC) and Minimum Energy Performance Standards (MEPS) for air conditioning, refrigeration and lighting</p> <p>Community Decision ID: The CARICOM Energy Policy, approved by the Forty-First Special Meeting of the COTED (Energy) [April 2013, Trinidad & Tobago] identifies measures to “promote energy savings efforts in all sectors”, which are captured within the RQI for sustainable energy. The RQI for sustainable energy was endorsed by the Seventy-Third Special Meeting of the COTED (Energy) [April 2018, Guyana]</p>	<p>Milestone: The adoption, as well as the establishment of the conformity requirements to support the implementation, of the REEBC in Member States is supported [Q4/2019]</p> <p>A Building Energy Rating Scheme, which classifies the relative energy-performance of code compliant buildings, is developed [Q2/2019]</p> <p>MEPS, and Energy Labelling Standards, for select electrical appliances (ACs and refrigerators), electromechanical devices (motors) and distributed renewable energy technologies (rooftop solar water heating and PV systems) are developed or finalized, accordingly [Q4/2019]</p> <p>The Terminal Phase-out Management Programme for Incandescent Light-Bulbs within CARICOM is designed, and its implementation within Member States supported [Q4/2019]</p>	<p>Lead: Energy, TEI</p> <p>Supporting: CCREEE CROSQ CARILEC GIZ PTB OAS</p>
Intermediate Outcome: Increased competitiveness of key economic sectors to drive the transition to growth		
Immediate Outcome: Strengthened capacity for sustainable energy sector development		
Output: Initiatives to support Energy Efficiency, Diversification and Cost Reduction implemented		
<p>Activity: Develop the Regional business case for the Integrated Utility Services (IUS) Model and support implementation within, at least three, Member States</p> <p>Member States Action(s): Participate in, and support, the various actions that are relevant to the exercise</p> <p>Where necessary, grant regulatory approval for the electric utility to participate in “behind-the meter” services</p> <p>Community Decision ID: The CARICOM Energy Policy, approved by the Forty-First Special Meeting of the COTED (Energy) [April 2013, Trinidad & Tobago] identifies a need for: “The creation of the enabling framework to enhance the integration of energy markets to gain benefits from economies of scale in energy efficiency”, which is being addressed by the IUS approach</p>	<p>Milestone: The Regional Business Plan for the IUS Model is developed [Q2/2019]</p> <p>The implementation of the IUS Model within select Member States is supported [Q4/2019]</p>	<p>Lead: Energy, TEI</p> <p>Supporting: CCREEE CARILEC CDB GIZ</p>



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Immediate Outcome: Strengthened capacity for sustainable energy sector development		
Output: Initiatives to support Energy Efficiency, Diversification and Cost Reduction implemented		
<p>Activity: Develop the Regional business case and support the First implementation phase for the Credit Risk Abatement Facility (CRAF), to support clean energy investments by SMEs</p> <p>Member States Action(s): Participate in, and support, the various actions that are relevant to the exercise</p> <p>Where necessary, grant regulatory approval for commercial banks and other NFIs to participate in the initiative</p> <p>Community Decision ID: The CARICOM Energy Policy, approved by the Forty-First Special Meeting of the COTED (Energy) [April 2013, Trinidad & Tobago] identifies a need to: “Create enabling framework to foster clean energy projects through financial or other incentives”</p>	<p>Milestone: The Regional Business Plan for the CRAF, which is aimed at underwriting risks for projects valued between USD 0.5 – 3 million, is developed [Q2/2019]</p> <p>The implementation of the CRAF, which is intended to be capitalized with USD 10 million in the First Phase, is supported [Q4/2019]</p>	<p>Lead: Energy, TEI</p> <p>Supporting: CDF CDB GIZ</p>

Result Statements	Milestones	Responsibility (Lead & Supporting Entities)
Intermediate Outcome: Increased competitiveness of key economic sectors to drive the transition to growth		
Immediate Outcome: Strengthened capacity for sustainable energy sector development		
Output: 1Initiatives implemented to support the increased use of clean and renewable energy		
<p>Activity: Support the Strengthening of the governance and regulatory arrangements for clean and renewable energy within Member States</p> <p>Member States Action(s): Share existing information on National Energy Policies, Electricity Acts and other relevant legislations on energy, as well as identify major areas of need</p> <p>Identify Focal Point with whom this initiative is to be coordinated and provide timely feedback on the outputs developed</p> <p>Community Decision ID: The CARICOM Energy Policy, approved by the Forty-First Special Meeting of the COTED (Energy) [April 2013, Trinidad & Tobago] identifies a need to, <i>inter alia</i>: “Create, develop and promote institutional capabilities in the energy and electricity sectors”.</p>	<p>Milestones: Where necessary, the establishment or strengthening of Energy Units in Member States is supported [Q4/2019]</p> <p>National Energy Policies, and Electricity Supply Acts, are reviewed, to ensure <i>consistency</i> and <i>complementarity</i> with best practices – especially climate compatibility [Q3/2019]</p> <p>Toolkits with Model Legislations, Power Purchase Agreements and Contracts for renewable energy are finalized and available to Member States [Q2/2019]</p> <p>The Regional Energy Modelling Cluster is established and is providing scenario analyses and other decision-support tools to Member States [Q2/2019]</p> <p>A Grid Modernization Programme, to include Protocols for the Integration of variable renewables and storage into the grid, is developed [Q2/2019]</p>	<p>Lead: Energy, TEI</p> <p>Supporting: CCREEE CARILEC OOCUR UWI GIZ OAS IRENA</p>



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Intermediate Outcome: Increased competitiveness of key economic sectors to drive the transition to growth		
Immediate Outcome: Strengthened capacity for sustainable energy sector development		
Output: Initiatives implemented to support the increased use of clean and renewable energy		
<p>Activity: Establish the CARICOM Integrated Project Pipeline and develop the Regional Project Preparation Facility</p> <p>Member States Action(s): Share existing data and information on clean and renewable energy plans and projects</p> <p>Identify Focal Point with whom this initiative is to be coordinated and provide timely feedback on the outputs developed</p> <p>Community Decision ID: The CARICOM Energy Policy, approved by the Forty-First Special Meeting of the COTED (Energy) [April 2013, Trinidad & Tobago] identifies a need to: “Create enabling framework to foster clean energy projects through financial or other incentives”</p>	<p>Milestones: The Integrated Project Pipeline is designed, to accredit and rank clean energy projects within Member States [Q2/2019]</p> <p>Scoping exercise to accredit and rank existing projects within Member States is conducted and provides the basis for the population of the Pipeline [Q3/2019]</p> <p>The Project Preparation Facility [PPF], to enhance sustainable energy investments, including climate and private equity funding, for RE and EE within Member States, is scoped and designed [Q3/2019]</p> <p>The First Implementation Phase of the PPF, focussing on the initial set of projects within the Pipeline, supported [Q4/2019]</p>	<p>Lead: Energy, TEI</p> <p>Supporting : CCREEE CDB GIZ ADA UNIDO</p>
<p>Activity: Implement the Caribbean Integrated Renewable Energy Atlas (CIREA) to support intelligence on commercially-developable renewable energy sources in Member States</p> <p>Member States Action(s): Share existing data, assessments and maps for renewable energy resources, as well as any other information that is relevant for the exercise to be conducted</p> <p>Community Decision ID: The CARICOM Energy Policy, approved by the Forty-First Special Meeting of the COTED (Energy) [April 2013, Trinidad & Tobago] requires that Member States should: “Identify available sustainable energy and renewable energy sources and technologies that are practical, commercially viable, environmentally sound and suited to their particular circumstances, and conduct assessments based on technical, financial, economic and environmental considerations”</p>	<p>Milestone: Resource Assessments scoped and mapped to generate GIS-atlas of the potential sites for renewable power generation within the Region [Q4/2019]</p> <p>Resource Assessments are categorized according to the <u>type of resource available</u> and the <u>known resource potential</u>; where necessary, low-res data will be utilized for gap-filling until it higher-res replacement data becomes available [Q4/2019]</p> <p>On the basis of Regional energy planning, the resource potentials are categorized according to cost (per kWh) for development, to allow for better intelligence on the <i>relative</i> renewable power options in Member States [Q4/2019]</p> <p>The Map is hosted within an appropriate online platform and integrated into the CARICOM Energy Knowledge Hub [Q4/2019]</p>	<p>Lead: Energy, TEI</p> <p>Supporting : CCREEE CDB CIMH UWI NREL GIZ IRENA</p>



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Intermediate Outcome: Increased competitiveness of key economic sectors to drive the transition to growth		
Immediate Outcome: Strengthened capacity for sustainable energy sector development		
Output: [Initiatives to improve Energy Planning implemented]		
<p>Activity: Implement the CARICOM Energy Knowledge Hub (CEKH) to support energy statistics, information and knowledge management within the Region</p> <p>Member States Actions: Identify Energy Information Focal Point within the appropriate ministry or agency, responsible for energy matters, and facilitate the establishment (or upgrade) of the national energy information systems</p> <p>Adopt the <u>regional methodology</u>, established for data collection, and facilitate the training of local stakeholders, including personnel from government ministries and agencies, in regard to same</p> <p>Community Decision ID: The CARICOM Energy Policy, approved by the Forty-First Special Meeting of the COTED (Energy) [April 2013, Trinidad & Tobago] identified the CARICOM Secretariat, through its Energy Programme, as “the central coordinating mechanism for energy sector development within CARICOM, including oversight for the coordination of energy information function, given the current institutional arrangements for regional energy information”.</p>	<p>Milestones: Information-sharing protocols and sustainable financing model for the CEKH established [Q1/2019]</p> <p>National Energy Information Systems in Member States strengthened or established, as appropriate [Q4/2019]</p> <p>Regional Energy Information System, as well as the OECS Sub-regional Energy Information System, established [Q4/2019]</p> <p>Other Energy Information Databases, including the Renewable Energy and Energy Efficiency Activities Database (R3EAD), Electric Utility and Petroleum Fuels Benchmarking Databases, and Platforms for Peer-to-Peer Sharing within various Communities of Practice, established [Q4/2019]</p>	<p>Lead: Energy, TEI</p> <p>Supporting : CCREEE CCCCC CIMH UWI CARILEC GIZ OLADE U.S. DoE</p>
<p>Activity: Establish <u>Integrated Resource & Resilience Plans (IRRP)</u> for Member States and <u>Regional Emergency Response Programme</u> for energy</p> <p>Member States Actions: Adopt the <u>regional methodology</u>, established for Integrated Resource Planning, and facilitate the training of local stakeholders, including personnel from government ministries and agencies, in regard to same</p> <p>Share existing Integrated Resource Plans, Hazard Maps and any other information that is relevant for the exercise to be conducted</p> <p>Community Decision ID: Decision of the Seventy-Third Special Meeting of the COTED (Energy) [April 2018, Guyana], mandated the Secretariat to: “support the establishment of Integrated Resource & Resilience Plans in Member States”</p>	<p>Milestones: Regional Protocol for Integrated Resource & Resilience Planning established [Q1/2019]</p> <p>Vulnerability of <i>energy resources, power generation systems, and transmission and distribution systems</i>, to climate and disaster risks assessed [Q3/2019]</p> <p>IRPs improved or conducted in Member States, as required, and integrated with the vulnerability assessments for the respective national energy systems [Q4/2019]</p> <p>Regional emergency response programme for supporting the critical, short-term: energy needs and systems restoration in Member States, <u>post-disaster</u>, established [Q4/2019]</p>	<p>Lead: Energy, TEI</p> <p>Supporting : CCREEE CCCCC CIMH UWI CARILEC GIZ RMI</p>



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Intermediate Outcome: Increased competitiveness of key economic sectors to drive the transition to growth		
Immediate Outcome: Strengthened capacity for sustainable energy sector development		
Output: [Initiatives to improve Energy Planning implemented]		
<p>Activity: Support the operation of the C-SERMS Platform and the First Operational Phase of the CCREEE</p> <p>Member States Actions: Participate, where required, in activities and meetings of the C-SERMS Platform, as well as review, and provide input, toward any output (such as Studies) generated</p> <p>Where necessary, finalize any outstanding obligation(s) in regard to the Agreement Establishing the Centre, as well as enact the CCREEE Act to give legal status to the Centre in the respective national laws</p> <p>Community Decision ID: The Fifty-Fourth Special Meeting of the COTED (Energy), [February 2015, Guyana] endorsed the proposal for the development of the C-SERMS Platform; the Sixtieth Special Meeting of the COTED (Energy) [January 2016, Guyana] approved the design of the C-SERMS Platform</p> <p>The Thirty-Sixth Meeting of the Conference of the Heads of Government [July 2015, Barbados] approved the establishment of the CCREEE; the Agreement was adopted by the Thirty-Eighth Meeting of the Conference [July 2017, Grenada]</p>	<p>Milestone: The Technical Advisory Group (TAG) and the Thematic Working Groups (TWGs) of the C-SERMS Platform are provided with strategic guidance, as well as management and administrative support [Q4/2019]</p> <p>The First Operational Phase of the CCREEE, including staffing, establishment of Regional Thematic Hubs, Business Plan development, and management of Executive Board, Technical Committee and other Committee Meetings, are supported [Q4/2019]</p> <p>Current legal arrangements, such as the outstanding signatories to the <u>Agreement Establishing the CCREEE</u>, preparation of <u>Instruments of Accession to the Agreement</u>, and the enactment of the <u>CCREEE Act</u>, by relevant Member States, are supported [Q4/2019]</p>	<p>Lead: TEI</p> <p>Supporting: <u>Internal:</u> OSG OGC</p> <p><u>External:</u> CCREEE UNIDO GIZ OAS</p>



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<p>Activity: Fulfil departmental operational and administrative activities</p> <p>Member States Action(s): Participate, where required, in the respective meetings and activities, as well as review, and provide input, in a timely manner, toward outputs (such as Technical Papers, Policy Notes and Meeting Reports) generated</p> <p>Community Decision ID:</p>	<p>Milestones: Technical Papers, Policy Notes and Briefs are prepared, as required</p> <p>Communications and Awareness-Building activities are undertaken, as required</p> <p>Meetings and events, including internal meetings of the Secretariat, Meetings of the COTED, workshops and forums, and activities related CARICOM Energy Month, etc., are convened (or attended), as per schedule</p> <p>Reviews are conducted, as per schedule</p> <p>Workfront is updated, as per schedule</p> <p>WP/WBS are prepared, as per schedule</p> <p>Change Management activities are undertaken, as per schedule</p> <p>IOTPs and Performance Appraisals are completed, as per schedule</p>	<p>Lead: Energy, TEI</p> <p>Supporting: All CCS Directorates and Offices, especially Strategic Management, Change Management and Human Resources Management</p>
<p>Activity: Coordinate and undertake initiatives to enhance the Secretariat's engagement with Member States and Associate Member States</p> <p>Member States Action(s): Support to the Secretariat in: (a) The information gathering exercises, which are necessary for conducting Desk Assessments; and (b) The planning and execution of the Field Missions, which are necessary for the stakeholder engagements</p> <p>Community Decision ID:</p>	<p>Milestones: Situation Analysis for Belize is concluded</p> <p>Intervention Strategy for Belize is updated</p> <p>Aide Memoire is concluded</p>	<p>Lead: External Economic and Trade Relations, TEI</p> <p>Supporting: Member State (Belize)</p>