Consultation Document

Consultation Document on Grid Codes for the Grenada Electricity Sector.

The Public Utilities Regulatory Commission (PURC) is proposing a regulatory framework governing Grenada's Electricity Sector. This suite of regulations outlines planning, operation, connection, and performance standards for all users of the national electricity grid. These regulatory instruments are known as the "Grenada Electricity Sector Grid Codes" or "Grid Codes".

The proposed Grid Code is the umbrella term that comprises the following sub-codes:

- Management Code
- Generation Code
- Transmission and Distribution (T&D) Code
- Supply Code
- Battery Energy Storage System (BESS) Code

Together, these codes define the minimum obligations of the Transmission and Distribution Licensee, Independent Power Producers (IPPs), self-generators, large consumers, prosumers, and other grid users. They also outline requirements for system security, renewable energy integration, data exchange, system planning, protection schemes, operational procedures, consumer protection, and interconnection standards.

Copies of these consultation documents are attached.

Purpose of this Consultation

This consultation seeks stakeholders' views on the content, structure, and applicability of the proposed Grid Codes, including aspects such as operational standards, implementation feasibility, compliance mechanisms, and market impacts. The outcome will support the adoption of the Grid Code as a regulatory instrument governing the Electricity Sector.

Consultation Timeline

1. The initial comments period will run from **30th March 2026 to 27th April 2026**.

2. The Comment on Comments period will run from **18th May 2026 to 1st June 2026**.

Following the Reply Comments period, the PURC will review all submissions and make a final determination on the draft Grid Codes. The final version of the Grid Codes will be sent to the Minister with responsibility for Energy for consideration and adoption in accordance with the Electricity Supply Act, 2016 (as amended).

All responses to this Consultative Document should be written and sent via email to:

Chief Executive Officer
Public Utilities Regulatory Commission (PURC)
P.O. Box 2444,
St. George's,
Grenada
Email: consultation@purc.gd

Disclaimer

This consultative document does not constitute legal, commercial, financial, or technical advice. The consultation is without prejudice to the statutory obligations of the PURC in providing regulatory direction, issuing determinations, or advising the Minister responsible for the Electricity Sector.

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Summary of the Grenada Electricity Sector Grid Codes

The Grenada Electricity Grid Code sets out the minimum technical, operational and procedural requirements for all entities interacting with the electricity grid. Each sub-code addresses a distinct functional category, summarised below.

Management Code

The Management Code outlines governance, communication, and procedural obligations among grid participants.

Examples of content:

- Responsibilities of the Transmission & Distribution Licensee as Grid Operator.
- Exchange of operational data, including forecasts, outages, and maintenance plans.
- Protocols for submission and approval of annual demand forecasts and generation expansion plans.
- Requirements for incident reporting and grid disturbance investigations.
- Coordination rules for integrating renewable energy and storage resources.

Generation Code

The Generation Code sets minimum technical and operational requirements for generators, including utility-scale IPPs, distributed generators, and renewable energy self-generators.

Examples of content:

- Frequency and voltage performance standards applicable to generation plants.
- Grid connection requirements, including reactive power capability, ride-through provisions, and protection schemes.
- Dispatch, scheduling, and communication obligations for variable renewable generators.
- Metering, telemetry, and data reporting requirements for real-time and historical performance.
- Testing and commissioning protocols for new generating facilities.

Supply Code

The Supply Code governs obligations relevant to electricity retailers and large consumers, focusing on service standards and customer-grid interactions.

Examples of content:

- Standards for quality of supply, including voltage variation limits and harmonic distortion thresholds.
- Requirements for connection of customer installations, including power factor, protection, and metering standards.
- Procedures for supply interruptions, planned outages, and service restoration.
- Consumer interface rules for advanced metering infrastructure and demand-side management programs.
- Obligations relating to energy billing accuracy and data privacy.
- Consumer obligations

Transmission and Distribution (T&D) Code

The T&D Code sets out detailed requirements for planning, design, operation, and maintenance of transmission and distribution networks.

Examples of content:

- Technical standards for transmission and distribution infrastructure, including transformer loading, feeder design, and conductor ratings.
- Demand forecasting and network planning methodologies.
- Network protection and switching requirements to ensure system integrity and safety.
- Interconnection protocols for distributed energy resources (DERs), battery systems, and utility-led projects.
- Restoration and emergency response procedures, including black start capability for critical facilities.

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Suggested Guidelines for Responses to Consultation

To support transparency and reduce administrative delays in the consultation process, PURC recommends the following guidelines:

1. Clearly label all submissions as responses to the "Consultation on the Grenada Electricity Grid Codes".
2. Documents should include:
    - Name of individual or organisation submitting comments
    - Address, telephone number, and email contact
    - Name and position of the authorised representative
3. Responses should indicate agreement or disagreement with specific provisions and provide supporting reasons.
4. Respondents with no view on a particular provision should state "No Comment."
5. Responses should be double-spaced, paginated, and numbered sequentially according to the Grid Code provisions being addressed.
6. Respondents should refrain from using tracked changes on the consultation document.
7. Submissions should be provided in PDF format where possible.
8. Where applicable, respondents should reference academic work, international standards (e.g., IEEE 1547, IEC standards), or international best practice.
9. Where proposing alternative legal or technical language, respondents should highlight and double-space the recommended wording.
10. Comments should be submitted via email; only emailed submissions will be formally acknowledged.
11. Respondents should clearly identify any commercially sensitive or confidential content. PURC reserves the right to publish all responses received unless explicitly exempted under the law.

A copy of the Consultation Submission Form is provided.