

Checklist for New Developments

Profile of the Development

- ☐ Size
- ☐ Number of Rooms/Units
- ☐ Hours of Operation
- ☐ Nature of the business
- ☐ Location
- ☐ Projected Load
- ☐ Expected Start date
- ☐ Expected date of Completion

Type of Supply

- ☐ Temporary/Construction Power
- ☐ Permanent

Transformer Requirement & Voltage Connection

- ☐ Transformer Size
- ☐ Standard Voltage: 415/220

SOURCE OF POWER:

Types of Cables

- ☐ Overhead
- ☐ Underground

Type of connection required:

- ☐ Single phase 110/220V. 50hz.
- ☐ Three phase 110/ 220V. 50hz.
- ☐ Three phase 240/415V. 50hz.

Load profile for Supply

Documentation required for establishment of contract:

- ☐ Application letter on the Company's letter head signed by a director. Company seal must be affixed below signature
- ☐ GEI certification of metering point
- ☐ Load details
- ☐ Proof of ownership
- ☐ Certificate of Incorporation

PROJECT PHASES

DESIGN REVIEW

QUOTATION

CONSTRUCTION

SERVICE CONNECTION

IMPORTANT POINTS TO NOTE

- All applications that require a distribution line extension or upgrade must go through JPS' design approval, quotation and construction process
- Any changes after the initial assessment will require the submission of updated drawings and the reassessment and revision of quotation
- The GEI certification for temporary supply is valid for three months. Re-certification by the GEI is required upon expiration.

DEVELOPERS' GUIDE

Major Connections



JPS | Powering What Matters

The JPS Team wants to ensure that your construction project goes smoothly. Before you begin your new construction, it is important that you understand the requirements for receiving electricity from JPS. To assist you, we have provided below some guidelines to help you meet the power supply connection requirements from JPS.

Requirements to proceed with JPS Assessment and Preparation for the Construction Phase

JPS Primary voltage

24kV ph-ph, 50Hz, 3ph star with neutral.

Transformer and Voltage Requirements

JPS only stocks pad mounted transformers that are 415/220 V Secondary.

JPS does not stock non-standard transformers. However, the same can be supplied, given a lead time of 4 to 6 months. Additionally, these facilities shall be primary metered and we recommend that the system be designed and constructed with a backup transformer to mitigate against failure.

Documentation required to provide guidance to the Developer

- Surveyor's Declaration
- Pre-checked Site Plan for the facility, stamped and approved by the Survey and Mapping Department
- Copy of Parish Council approval and associated conditions of approval
- Proof of ownership or authority to erect infrastructure
 - I. Copy of Title
 - II. Power of Attorney
 - III. Lease contract
- Soft copy of approved electrical distribution design in ACAD 2016 format Geo-referenced to JAD 2001, superimposed on the Pre-checked Site Plan, to include water, sewerage, gas piping, drainage, communications and any other utilities or facilities that may impact the distribution system.

Responsibilities of the Developer

- All drawings must be reviewed and approved by a Professional Engineer licensed to practice in Jamaica.
- Ensure that all civil works are completed to the satisfaction of JPS, the Government Electrical Inspectorate and the local parish council (where applicable), at the developer's cost.
- Seek and obtain all statutory approvals necessary to legally complete the distribution infrastructure. Such approvals shall include, but not be limited to, easements, excavations and limitation of access to public thoroughfares. Where such approvals are not forthcoming, then JPS shall be indemnified against any liability associated with the provision of electrical supply for the subdivision.
- Provide all detailed electrical and civil designs for the three phase supply inclusive of JPS riser poles to the transformer low voltage terminals and to the property main distribution panel boards for each transformer to JPS for review and approval.
- These designs must include:
 - * Civil designs c/w duct work and manhole layout
 - * Electrical Layout
 - * Grounding Layout c/w grounding details
 - * Substation Layout c/w fencing details
 - * Cable schedules.
 - * Load details for each transformer complete with the voltage associated with each transformer load.

All designs shall be approved by a Professional Engineer (P.E) registered to practice in Jamaica.

