Distributed Generation Interconnection
Construction Specifications and Requirements

Georgia Power Company will install interconnection facilities for the project, provided the developer/Generator (builders and contractors, to which the developer/generator is fully responsible) meets the following terms and conditions:

Approved Final Facility Site Plan
The developer/Generator will submit a final facility site plan, to be approved by Georgia Power, as part of the project’s final facilities documentation. The final facility site plan will include a generic representation of Georgia Power’s interconnection facilities, in relation to the solar facility site layout. The final facility site plan must be submitted in an acceptable form (PDF, JPEG, DWG) to Georgia Power. Georgia power requires (at a minimum) 3 business days to review the final facility site plan for GPC approval and comments. The final facility site plan from the developer/Generator should not include detailed information for Georgia Power owned assets, as Georgia Power will design and install its interconnection facilities with adherence to the National Electric Service Code (NESC) and all technical requirements as described in section 1.5C of the Interconnection Agreement (IA).

Interconnection Facilities Location
All of Georgia Power’s interconnection facilities are required to be located outside of the Generators/Property-owners fence for the site. This applies for both Georgia Power transformer owned projects and developer/Generator transformer owned projects. Georgia Power’s interconnection facilities require a 30ft clearance (15 ft on each side) for future operation and maintenance.

Easements for Interconnection Facilities
The property (parcel) owner must sign an easement for any required interconnection facilities on the parcel, before Georgia Power’s construction can begin. If multiple parcels are required for Georgia Power’s interconnection facilities, easements must be obtained for all parcels before construction will begin. In the case that Georgia Power can’t secure an easement with a parcel owner, it will be the responsibility of the developer/Generator in securing the easement for Georgia Power’s interconnection facilities; otherwise, a scope change will be initiated pursuant to sections 1.5D and 2.5 of the IA.

Interconnection Facilities Site Accessibility and Generator Prepared Site
This section outlines Georgia Power’s standard requirements for a suitable site and describes basic roles and responsibilities of the developer/generator in site preparation. This is a guideline document only, addressing the major topics applicable to the majority of interconnection facilities sites. Because each interconnection facilities site is unique and there are many technical and site-specific factors, these guidelines are intended only as a basic planning document and do not address every situation and every obligation.

General Requirements
A suitable graded interconnection facilities site conforming to Georgia Power’s specifications as generally outlined below:

1. Suitable all-weather access to the interconnection facilities site is necessary for construction, operations, and maintenance activities. The maximum slope (grade) for access roads/driveways is 17%; access roads are subject to Georgia Department of Transportation (GDOT) specifications (capable of supporting an HS-20 wheel load and minimum 6-inch GDOT road base surface). Access roads and bridges need to accommodate large-capacity hauling trailers, cranes, bucket trucks and other heavy equipment. Driveways and equipment access corridors into and within the interconnection facilities site need sufficient width (30 ft. minimum) and turning radii (50 ft. minimum) for maneuvering construction vehicles and equipment. A minimum clearance of 16'-6" is needed for any overhead obstruction crossing the access road/driveway.
2. Georgia Power requires 24-hour/7-day access to the ICF Site, defined in section 1.2B of the IA. This access is integral to the safe operation of the Georgia Power distribution system.
3. Access roads should be located outside of the 100-year flood plain.
4. Trees, brush, stumps, roots, topsoil, organic materials, asphalt, foundations and other debris shall be removed within the limits of disturbance.
5. Use fill (placed to establish finished grade) spread in 6-inch layers or less and mechanically compacted to no less than 95% Standard Proctor (American Society for Testing and Materials (ASTM) D698-91 – Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lb/ft³)). Georgia Power may request compaction reports.
6. Any tree work necessary for Georgia Power’s interconnection facilities, will be the responsibility of the generator. This includes basic tree trimming or complete tree removal.
7. The interconnection facilities site should be prepared for inspection at least 30 days in advance of Georgia Power scheduling and starting construction. Georgia Power will inspect the access after notice from the developer/Generator.
8. Any approved deviations or variances from the requirements in this document will be documented, on the interconnection construction drawing, as part of the final Interconnection Agreement between Georgia Power and the developer/Generator.

**Trench Location**
The developer/Generator is responsible for providing a clear path (as specified on the interconnection construction print) for trenching and/or backhoe use. Georgia Power will access the final trench location with the developer/Generator in order to minimize rock blasting, rock removal, and the furnishing of acceptable back-fill dirt free from rock debris. The final trench location will be determined by Georgia Power at the official pre-construction meeting for the facility. Georgia power will not incur any additional costs for landscaping, back-fill dirt, or any other site enhancement work as a result of a lack of coordination by the developer/Generator.

**Metering Requirements**
The developer/Generator shall adhere to the latest version (located on the Georgia Power website) of Georgia Power’s Electrical Service and Metering Installation Book. It will be the responsibility of the developer/generator to work with local metering resources where the facility is located to pick up interconnection facility metering equipment. On sites with a generator owned transformer, Georgia Power will install and own the primary meter for the facility. On sites with (1) Georgia Power owned transformer, the developer/generator will be responsible for installing the secondary metering equipment. Sites with multiple Georgia Power owned transformers will be primary metered, in which case Georgia Power will install and own the metering equipment.

**Secondary Confirmation and Coordination**
For sites with Georgia Power owned transformers, the developer/generator shall notify Georgia Power of the number of conductors (per phase) and conductor sizes planned for the secondary. This information will be required at the time of final facility site plan submission. The developer/generator is required to limit the number of conductors per phase to twelve (12). The developer/Generator must have secondary conduits run and stubbed out at the final transformer location, prior to Georgia Power setting the transformer and pad. Final transformer location will be identified and staked at the project pre-construction site meeting. For all sites, regardless of transformer ownership, Georgia Power will supply and make the terminations for the developer/generator owned secondary conductors. Please contact GPC Interconnection Engineering to request a visual representation of the secondary requirements.

**Privately Owned Underground Facilities**
The developer/Generator shall agree to mark any and all privately owned underground facilities not covered by the Utilities Protection Center and releases Georgia Power Company, its employees, and its contractors from any and all claims due to damage to such underground facilities which have not been marked.

**Utilities Protection Center**
The developer/Generator, in accordance with the Utilities Protection Act, shall notify the UPC at GA 811 at least 72 hours before excavating or work within 10 feet of energized power lines. The cost of repair to damaged underground utilities will be borne by the party responsible for the damage. Should there be any damage, potential for damage, or conflict with another installation, the developer/generator shall notify Georgia Power.
Erosion, Sedimentation, and Pollution Control Plan
The developer/Generator shall notify Georgia Power if this project is subject to EPD Storm Water regulations. Projects with a common plan of development requiring land disturbance activities of more than one acre requires the developer to be a primary permittee. The Company shall be provided with a copy of the project Erosion, Sedimentation, and Pollution Control Plan, or that portion of the plan related to Georgia Power’s work. Georgia Power requires a minimum of three weeks to file a Notice of Intent with EPD to be a Secondary Permittee on the development.

The Company will only be responsible for meeting the requirements of the Erosion, Sedimentation and Pollution Control Plan as agreed to by the developer/Generator and the authorized Georgia power employee.

Site Readiness Notification
The developer/Generator will notify Georgia Power, in writing, when the interconnection facilities site/access is ready for construction. This notification must be at least 10 business days in advance of the start of construction for resource scheduling consideration. Once Georgia Power has completed the site readiness field verification and approval process, the job will be released for scheduling and construction. At this point, the developer/Generator will be notified of the intended construction start date by Georgia Power.
Distributed Generation Construction Specifications Acknowledgement

PROJECT # / NAME
________________________________________

DEVELOPER / GENERATOR:  ____________________________________________

AREA OF CONSTRUCTION:  ____________________________________________

Developer/generator does hereby attest that the above referenced area of construction in which Georgia Power’s interconnection facilities are to be installed is clear of all obstructions; that all property lines, where required, are clearly marked and that the area is finished to a grade which shall not change more than three (3+) inches of the final grade.

Georgia Power Company, its employees, and contractors working on this project are hereby released from all claims due to damage of underground facilities that have not been located in the field and that are not covered by the “Utilities Protection Act of Georgia”.

Developer/generator does hereby agree to bear any and all costs to alter the interconnection facilities as a result of grade changes or developer design changes.

Developer/generator shall be responsible for providing Georgia Power Company a clear route where interconnection facilities can be installed. If this area is paved and conduit has not been installed, before Georgia Power Company facilities are installed the developer shall be responsible for opening and repaving the area required by Georgia Power Company.

Developer/generator shall be responsible to communicate with contractors and subcontractors warning them of underground electric distribution facilities in the area and for notifying the Georgia Power Company by calling the Utilities Protection Center at GA 811 at least three (3) working days in advance to locate underground electric distribution facilities before digging or grading in the vicinity of installed underground electrical facilities. If Georgia Power Company is not notified, and the underground electric distribution facilities are damaged, then the developer shall bear the cost of repairs.

Should underground electric distribution facilities become damaged in any way, developer/generator will notify Georgia Power Company at phone #1-888-660-5890 and the Utilities Protection Center at GA 811.

Developer will establish and maintain the appropriate clearances for the transformer(s) and all interconnection facilities for this site. Initial synchronization and witness testing will not be scheduled until this specification is satisfied.

Georgia Power Company is not responsible for any damages to locks, gates, fences, walls, vehicles, equipment, trees, landscaping, sidewalks, or any other items that inhibit Georgia Power’s access to the poles, cables, transformers, metering, or other equipment serving this site. This includes routine or emergency access of all equipment and personnel.

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