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GPC DISTRIBUTION SUBSTATION PROJECTS & FORECAST (FIVE-YEAR LOADING PLAN)

PUBLIC DISCLOSURE

DISTRIBUTION SUBSTATION FORECAST
(FIVE-YEAR LOADING PLAN)

The following items outline the distribution expansion plans for Georgia Power:

- Ten Year Substation Load Forecast (on file in GPC Area Planning Department)
- Five-Year Construction Budget & Forecast (attached)
- Distribution Substation Project File

These plans are dynamic and are revised on an annual basis. Substation projects have the longest equipment lead times and require more advance planning. However, it is not efficient to plan distribution feeder improvement work years in advance since construction lead times are relatively short and system changes occur frequently. These changes are usually initiated by unforeseen new business loads that may alter the priority of distribution expenditures. Substation planning is accomplished by performing a ten - year peak loading forecast. Banks that exceed Georgia Power's "Transformer Loading Guidelines" are candidates for upgrade projects if load shifts are not possible. A five-year budget is then prepared for these banks.

PUBLIC DISCLOSURE

PROJECT NAME	PROJECT DESCRIPTION	NEED DATE	ADDITIONS AMOUNT
CHARLES (GPC OWNED)	Construct a 230kV customer substation on customer owned property. Customer will install and own all the transformer banks and low-side equipment.	8/1/2024	[redacted]
HYUNDAI MOTORS	Construct a 230/25kV customer substation with two 120MVA banks, one 100MVA bank, and one 60MVA bank on customer owned property.	12/20/2024	[redacted]
SOUTHMEADOW	Construct a 230/25kV customer substation with three 60MVA banks on customer owned property. Customer paid for this facility.	12/25/2024	[redacted]
FOUR LAKES	Purchase property and construct new 115/25kV area substation. Install one 115/25kV 60MVA bank.	1/1/2025	[redacted]
TRAE LANE (GPC OWNED)	Construct a 230kV customer substation on customer owned property. Customer will install and own all the transformer banks and low-side equipment. Customer paid for GPC owned facility.	2/28/2025	[redacted]
PUTNAM SAWMILL	Purchase property and construct a new 115/12kV area substation. Install one 115/12kV 10.5MVA bank.	3/28/2025	[redacted]
WEST DEMOREST CAPACITY INCREASE	Replace Demorest 46/12kV substation with a new West Demorest 115/12kV substation on purchased property. Install one 115/12kV 25MVA bank in the new West Demorest substation.	3/31/2025	[redacted]
INTERSTATE CENTRE BANK A CAPACITY INCREASE PROJECT	Replace 115/13.8kV 14MVA bank with a 115/25kV 60MVA bank.	4/1/2025	[redacted]
CORNELIA CAPACITY INCREASE	Remove one 115/46kV 25MVA bank and one 115/12kV 22.4MVA bank. Install two 115/12kV 40MVA banks.	6/1/2025	[redacted]
OLD WASHINGTON ROAD	Construct 115/25/12kV area substation on property transferred from PHFFU. Install one 115/12kV 10.5MVA bank and one 115/25kV 10.5MVA bank.	6/1/2025	[redacted]
RICE HOPE	Construct 115/25kV area substation on property transferred from PHFFU. Install one 115/25kV 50MVA bank.	6/1/2025	[redacted]
SOUTHEAST STANLEY	Purchase property and construct a new 115/25kV area substation. Install one 115/25kV 40MVA bank.	6/1/2025	[redacted]
VIRGINIA AVE 3RD BANK ADDITION	Install a new 230/20kV 60MVA bank.	6/1/2025	[redacted]

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PROJECT NAME	PROJECT DESCRIPTION	NEED DATE	ADDITIONS AMOUNT
BELFAST COMMERCE	Purchase property and construct new 115/25kV area substation. Install one 115/25kV 60MVA bank.	6/15/2025	[redacted]
SWITCH WAY 2ND BANK ADDITION	Install a 230/12kV 60MVA bank.	6/30/2025	[redacted]
TRANSCO BANK B CAPACITY INCREASE	Replace the 115/12kV 25MVA bank with a 115/12kV 40MVA bank.	8/1/2025	[redacted]
BULLARD ROAD	Construct a 230/34.5kV customer substation with three 150MVA banks on customer owned property.	9/1/2025	[redacted]
EUCHEE CREEK 2ND BANK ADDITION	Install a new 115/12kV 40MVA bank.	12/1/2025	[redacted]
LEWISTON	Construct 115/12kV area substation on property transferred from PHFFU. Install one 115/12kV 40MVA bank.	12/1/2025	[redacted]
PATRIOTS PARK BANK B CAPACITY INCREASE	Replace 115/12kV 25MVA Bank B with a 115/12kV 40MVA bank.	12/1/2025	[redacted]
TWO RUN RANCH	Construct a 230/25kV customer substation with two 100MVA banks, and one 60MVA bank on customer owned property.	12/31/2025	[redacted]
AEROTROPOLIS SUBSTATION ADVANCED LAND PURCHASE	Acquire property suitable for future area substation on the west side of Hartsfield-Jackson airport property in the vicinity of the East Point - Mountain View 115kV line.	12/31/2025	[redacted]
AVONDALE MILL ROAD BANK B CAPACITY INCREASE	Replace 115/12kV 25MVA bank B with a 115/12kV 40MVA bank.	12/31/2025	[redacted]
CASS PINE	Purchase property and construct a new 230/25kV area substation. Install one 230kV 60MVAR capacitor bank and two 230/25kV 40MVA banks.	12/31/2025	[redacted]
GODLEY TRACT 2ND BANK ADDITION	Install a new 115/13.8kV 40MVA bank.	12/31/2025	[redacted]
GREAT VALLEY	Construct new 230/25kV customer substation with three 60MVA banks on customer owned property.	12/31/2025	[redacted]
KINGSTON 2ND BANK ADDITION	Install a new 230/25kV 40MVA bank.	12/31/2025	[redacted]

PROJECT NAME	PROJECT DESCRIPTION	NEED DATE	ADDITIONS AMOUNT
MCCLAIN MOUNTAIN	Purchase property and construct a new 115/12kV area substation. Install one 115/12kV 10.5MVA bank.	12/31/2025	[redacted]
TEMPLE 2ND BANK ADDITION	Install a new 115/12kV 25MVA bank.	12/31/2025	[redacted]
BARNETT ROAD 2ND BANK ADDITION	Install a new 115/25kV 40MVA bank.	3/1/2026	[redacted]
J.C. PENNEY 2ND BANK ADDITION	Install a new 115/25kV 40MVA bank.	3/1/2026	[redacted]
PURECYCLE	Construct new 230/12kV customer substation with two 40MVA banks on customer owned property.	3/1/2026	[redacted]
BOULDER PARK	Construct new 230/25kV customer substation with four 60MVA banks on customer owned property.	3/30/2026	[redacted]
CARMEL CHURCH	Purchase property and construct a new 115/25/12kV area substation. Install one 115/25kV 25MVA bank.	3/31/2026	[redacted]
TILFORD YARDS #2	Construct a 115/25kV customer substation with two 60MVA banks on customer owned property. Customer paid for this facility	3/31/2026	[redacted]
ECHECONNEE 2ND BANK ADDITION	Install a new 115/12kV 40MVA Bank.	5/1/2026	[redacted]
BELAIR - 2ND BANK ADDITION	Install a new 115/12kV 40MVA bank.	6/1/2026	[redacted]
CLYATTVILLE CAPACITY INCREASE	Expand Clyattville substation and replace 69/12kV 5.25MVA bank with a 69/12kV 10.5MVA bank	6/1/2026	[redacted]
CREOLA (GPC OWNED)	Construct a 230kV customer substation on customer owned property. Customer will install and own all the transformer banks and low-side equipment.	6/1/2026	[redacted]
CROOKED RIVER BANK B CAPACITY INCREASE	Replace 115/12kV 25MVA Bank B with a 115/12kV 40MVA bank.	6/1/2026	[redacted]
DAWSON FOREST CAPACITY INCREASE	Replace Dawson Forest 115/12kV substation with a new Thunder Road 115/25kV substation on purchased property. Install one 115/25kV 25MVA bank in the new Thunder Road substation.	6/1/2026	[redacted]

PROJECT NAME	PROJECT DESCRIPTION	NEED DATE	ADDITIONS AMOUNT
STONEWALL TELL ROAD (GPC OWNED)	Construct a 230kV customer substation on customer owned property. Customer will install and own all the transformer banks and low-side equipment. Customer paid for GPC owned facility.	6/1/2026	[redacted]
SWITCH WAY 3RD BANK ADDITION	Install a 230/12kV 60MVA bank. Customer paid for this project.	6/1/2026	[redacted]
WILLIAMSON ROAD (GPC OWNED)	Construct a 115kV customer substation on customer owned property. Customer will install and own all the transformer banks and low-side equipment. Customer paid for GPC owned facility.	6/1/2026	[redacted]
DASHER JOHNSON ROAD	Construct a 115/12kV customer substation with one 25MVA bank on customer owned property.	10/1/2026	[redacted]
CANON CAPACITY INCREASE	Replace Canon 46/12kV substation with new East Canon 115/12kV substation on purchased property. Install one 115/12kV 10.5MVA bank in the new East Canon substation.	12/31/2026	[redacted]
MANN POND	Construct a 230/25kV customer substation with four 100MVA banks on customer owned property. Customer paid for this facility.	12/31/2026	[redacted]
MEDICAL ARTS	Construct 115/13.8kV area substation on property transferred from PHFFU. Install two 115/13.8kV 25MVA banks.	12/31/2026	[redacted]
MONK ROAD CAPACITY INCREASE	Replace 115/12kV 10.5MVA bank with a 115/12kV 25MVA bank.	12/31/2026	[redacted]
NORMANDY STREET ADVANCED LAND PURCHASE	Acquire 2 acre site in the vicinity of President Street and the Boulevard - Deptford 115kV line in Savannah for future Area Substation.	12/31/2026	[redacted]
PHELPS	Purchase property and construct a new 115/12kV area substation. Install one 115/12kV 25MVA bank.	12/31/2026	[redacted]
RABBITTOWN	Purchase property and construct a new 115/25kV area substation. Install one 115/25kV 40MVA bank.	12/31/2026	[redacted]
EMBLEM RIVERSIDE	Construct a 230/25kV customer substation with two 60MVA banks. Customer paid for this facility.	3/1/2027	[redacted]
BONANZA BANK B CAPACITY INCREASE	Replace 115/25kV 40MVA bank B with a 115/25kV 60MVA bank.	6/1/2027	[redacted]
DIVIDEND ROAD BANK A CAPACITY INCREASE	Replace 115/12kV 22.4MVA Bank A with a 115/12kV 40MVA bank.	6/1/2027	[redacted]

PROJECT NAME	PROJECT DESCRIPTION	NEED DATE	ADDITIONS AMOUNT
FACTORY SHOALS ROAD CAPACITY INCREASE	Replace 115/25kV 40MVA Bank B with a 115/25kV 60MVA bank.	6/1/2027	[redacted]
SALT CREEK	Purchase property and construct a new 230/25kV area substation. Install one 230/25kV 50MVA bank.	6/1/2027	[redacted]
WINSTON	Construct a 230/34.5kV customer substation with four 150MVA banks. Customer paid for this facility	6/1/2027	[redacted]
AWS RIVER PARK BUTTS COUNTY (GPC OWNED)	Construct a 230kV customer substation on customer owned property. Customer will install and own all the transformer banks and low-side equipment. Customer paid for GPC owned facility.	7/15/2027	[redacted]
NORTH BAGGETT	Construct a 230/34.5kV customer substation with five 150MVA transformers on customer owned property. Customer paid for this facility.	9/1/2027	[redacted]
BAKER PLACE BANK A - CAPACITY INCREASE	Replace 115/12kV 25MVA bank A with a 115/12kV 40MVA bank.	12/1/2027	[redacted]
ALLEN RD 3RD BANK ADDITION	Install a new 115/12kV, 40MVA bank.	12/31/2027	[redacted]
CENTENNIAL YARDS	Purchase property and construct a 115/20kV area substation. Install four 115/20kV 60MVA banks.	12/31/2027	[redacted]
CHICOPEE MANUFACTURING CAPACITY INCREASE	Replace Chicopee Manufacturing 115/25/12kV substation with new Balus Creek 115/25kV substation on purchased property. Install two 115/25kV 40MVA banks in the new Balus Creek substation.	12/31/2027	[redacted]
NORTH CLARKESVILLE CAPACITY INCREASE	Replace North Clarkesville 46/12kV substation with a new Historic 441 115/12kV substation on purchased property. Install one 115/12kV 10.5MVA bank in the new Historic 441 substation.	12/31/2027	[redacted]
QTS SUWANEE (GPC OWNED)	Construct a 115kV customer substation on customer owned property. Customer will install and own all the transformer banks and low-side equipment. Customer paid for GPC owned facility.	12/31/2027	[redacted]
REST HAVEN BANK B CAPACITY INCREASE	Replace 115/25kV 10.5MVA bank with a 115/25kV 40MVA bank.	12/31/2027	[redacted]
SOCIAL CIRCLE CAPACITY INCREASE	Replace Social Circle 46/12kV substation with a new Hightower Trail 115/25kV substation on purchased property. Install two 115/25kV 40MVA banks in the new Hightower Trail substation.	12/31/2027	[redacted]

PROJECT NAME	PROJECT DESCRIPTION	NEED DATE	ADDITIONS AMOUNT
SOCIAL CIRCLE PRIMARY CAPACITY INCREASE	Remove two 46/12kV 7MVA banks, one 115/46kV 22.4MVA bank, and one 115/46kV 25MVA bank. Install one 115/25kV 40MVA bank.	12/31/2027	[redacted]
FLAT ROCK ROAD 2ND BANK ADDITION	Install a new 115/25kV 40MVA bank.	6/1/2028	[redacted]
NEW HAMPSTEAD	Construct 230/25kV area substation on property transferred from PHFFU. Install one 230/25kV 50MVA bank.	6/1/2028	[redacted]
PINE BARREN	Purchase property and construct a new 115/13.2kV area substation. Install one 115/13.2kV 40MVA bank.	10/15/2028	[redacted]
QUACCO ROAD BANK B CAPACITY INCREASE PROJECT	Replace a 115/13.2kV 33.3MVA bank with a 115/25kV 40MVA bank.	10/15/2028	[redacted]
MALLORY ROAD (GPC OWNED)	Construct a 230kV customer substation on customer owned property. Customer will install and own all the transformer banks and low-side equipment. Customer paid for GPC owned facility.	11/1/2028	[redacted]
PATRIOTS PARK BANK A CAPACITY INCREASE	Replace 115/12kV 25MVA Bank A with a 115/12kV 40MVA bank.	12/1/2028	[redacted]
AVONDALE MILL ROAD 3RD BANK ADDITION	Expand substation and install a new 115/12kV 40MVA bank.	12/31/2028	[redacted]
HIGHWAY 99 CAPACITY INCREASE	Replace 115/12kV 10MVA bank with a 115/12kV 25MVA bank.	12/31/2028	[redacted]
RUTLAND - ADVANCE LAND PURCHASE	Acquire property suitable for a future area substation on the Broadway - Echeconnee 115kV line.	12/31/2028	[redacted]