$SERTP \ \ Southeastern \ Regional \ Transmission \ Planning$



December 6, 2021

Regional Transmission Plan & Input Assumptions Overview

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I. SERTP Overview

About the SERTP

The Southeastern Regional Transmission Planning (SERTP) process is a collaboration of ten (10) transmission planning entities in a twelve (12) state area that coordinates regional transmission planning activities and provides an open and transparent transmission planning forum to engage with stakeholders regarding transmission plans in the region. The SERTP region was initially developed by six (6) sponsors to provide an open and transparent regional transmission planning process and to otherwise comply with the Federal Energy Regulatory Commission's (FERC) Order 890, which was issued in 2007. The SERTP region expanded several times in size and scope. The SERTP region's implementation of FERC's Order 1000, issued in 2011, to establish regional and interregional transmission planning and cost allocation requirements, became effective beginning June 1, 2014. The SERTP region includes four (4) FERC jurisdictional investor-owned utilities and six (6) non-jurisdictional, non-profit public utilities, who have a longstanding history of collaboration in transmission planning activities and who have voluntarily elected to participate in the SERTP region. The expanded SERTP region is one of the largest regional transmission planning regions in the United States.

The SERTP Regional Transmission Plan

The SERTP provides an open and transparent transmission planning process. The SERTP transmission modeling, expansion plans, and other materials are publicly available and provide extensive data regarding the sponsors' transmission systems. Stakeholders can utilize this data to replicate the transmission planning performed through the SERTP as well as to assess a wide range of sensitivities and scenarios of interest.

This SERTP Regional Transmission Plan & Input Assumptions Overview document, which is produced annually, is intended to provide an overview of the 2021 cycle's regional modeling, key assumptions and philosophies, and expansion planning results suitable for any interested stakeholder, as it does not include Critical Energy Infrastructure Information (CEII) materials. Materials which include CEII are also available, subject to completion of the CEII request and certification process. Additional information is available through the SERTP website (http://www.southeasternrtp.com/).

Southeastern Regional TRANSMISSION PLANNING

REGIONAL TRANSMISSION PLAN & INPUT ASSUMPTIONS OVERVIEW

The SERTP

1) Associated Electric Cooperative (AECI)

Associated Electric Cooperative Inc.

AECI, a Generation and Transmission (G&T) rural electric cooperative, provides electric service across approximately 75,000 square miles in three states. Headquartered in Springfield, Missouri, AECI serves approximately 875,000 ultimate members through six regional G&Ts and 51 distribution cooperatives. AECI and its six regional G&Ts own over 9,800 miles of transmission lines operated at 69 through 500 kV.

2) Dalton Utilities (Dalton)



Dalton Utilities provides electric services in Dalton, Georgia and five surrounding counties. Headquartered in Dalton, Georgia, Dalton Utilities serves approximately 18,000 customers and owns over 350 miles of transmission lines.

3) Duke Energy (Duke)



Duke Energy provides electric service across 95,000 square miles in 6 states. Headquartered in Charlotte, NC, Duke Energy serves approximately 7.3 million customers and owns over 19,000 miles of transmission lines.

Two Duke Energy subsidiaries, Duke Energy Carolinas and Duke Energy Progress, are represented on the SERTP.

4) Georgia Transmission Corporation (GTC)



GTC, an electric membership corporation formed in 1997 through a restructuring of Oglethorpe Power Corporation, provides electric service to 38 retail distribution cooperative members in Georgia. Headquartered in Tucker, Georgia, GTC owns approximately 3,150 miles of transmission lines and its members serve approximately 4 million people.

5) Gulf Power (Gulf)



Gulf Power provides electric service to the eleven counties in the northwest panhandle of Florida. Headquartered in Pensacola, Florida, Gulf Power serves approximately 465,000 customers and owns over 1600 miles of transmission lines.

6) Louisville Gas & Electric and Kentucky Utilities (LG&E/KU)



LG&E/KU, an investor owned utility, provides electric service across 6,100 square miles in two states. Headquartered in Louisville, KY, LG&E/KU serves approximately 940,000 customers and 2,690 miles of transmission lines.

7) Municipal Electric Authority of Georgia (MEAG)



MEAG, a public corporation and an instrumentality of the State of Georgia, provides electric service to 48 cities and one county in Georgia. Headquartered in Atlanta, Georgia, MEAG serves approximately 310,000 customers and owns over 1,320 miles of transmission lines.

8) PowerSouth Electric Cooperative (PowerSouth)



PowerSouth, a generation and transmission cooperative consisting of 16 distribution cooperatives and 4 municipal systems, provides electric service across 31,000 square miles in 2 states. Headquartered in Andalusia, Alabama, PowerSouth serves approximately 418,000 customers and owns over 2,200 miles of transmission lines.

9) Southern Company (Southern)



Southern Company, a leading U.S. producer of clean, safe, reliable, and affordable energy, includes three electric utility companies that provide electric service across 112,500 square miles in three states. Headquartered in Atlanta, Georgia, Southern Company serves approximately 4.68 million electric customers and owns over 27,000 miles of transmission lines.

10) Tennessee Valley Authority (TVA)



TVA, a federally-owned electrical utility, provides electric service across 80,000 square miles in 7 states. Headquartered in Knoxville, TN, TVA serves approximately 9 million customers and owns over 16,000 miles of transmission lines.

Southeastern Regional TRANSMISSION PLANNING

REGIONAL TRANSMISSION PLAN & INPUT ASSUMPTIONS OVERVIEW

SERTP Region Scope

The SERTP region is located within 12 states, roughly spanning over 600 miles north to south and 1,100 miles east to west. The SERTP region is one of the largest transmission planning regions in the Eastern Interconnect in terms of transmission line miles and based upon customer peak demand. The eight (8) NERC Balancing Authority Areas ("BAAs") in the SERTP region serve combined peak loads totaling more than 121,404 MWs.

Table I.1: State by State Breakdown of the SERTP

| No. | SERTP States | SERTP |
|-----|----------------|----------------------------------|
| 1 | Alabama | PowerSouth, Southern, TVA |
| 2 | Florida | PowerSouth, Gulf Power |
| 3 | Georgia | Dalton, GTC, MEAG, Southern, TVA |
| 4 | lowa | AECI |
| 5 | Kentucky | LG&E/KU, TVA |
| 6 | Mississippi | Southern, TVA |
| 7 | Missouri | AECI |
| 8 | North Carolina | Duke, TVA |
| 9 | Oklahoma | AECI |
| 10 | South Carolina | Duke |
| 11 | Tennessee | TVA |
| 12 | Virginia | LG&E/KU, TVA |

II. SERTP Transmission Planning Approach

Physical Transmission Delivery Service Markets

The fundamental purpose of the transmission system is to enable transmission users the opportunity to access their desired generating resource options to reliably and economically deliver power to serve their customers' loads. In the SERTP region, physical transmission delivery service markets allow transmission customers to procure long-term transmission service across the transmission system and receive dependable, firm delivery from resources to customer loads. The SERTP sponsors plan and expand the transmission system to reliably and economically satisfy the load projections, resource assumptions, public policy requirements, and transmission service commitments within the region. These transmission system delivery capacity requirements are typically driven by long-term, firm commitments and are planned with the intent that those who have made such commitments will be able to access their resources to serve load without congestion, constraint, or curtailment. In other words, the SERTP sponsors identify, evaluate, and implement efficient and cost-effective transmission expansion options to provide sufficient physical capacity to enable delivery of a long-term, firm transmission customer's service without impacting other long-term, firm delivery commitments, and with the intent that the service will normally be available without interruption or curtailment. The physical transmission delivery service markets in the SERTP region not only help to provide certainty in long-term delivery costs, but also minimize delivery risks for transmission users. The resulting planned physical transmission capacity provides for a robust, reliable, and resilient transmission system which responds well under a wide range of operating uncertainties and supports routine maintenance and construction activities.

Integrated Resource Planning and Transmission Planning Interaction

Although many long-term firm transmission delivery service commitments in the SERTP region are made by individual market participants, the majority are made by Load Serving Entities ("LSEs"). LSEs typically have a legal "duty to serve" obligation to reliably and proactively meet current and future load needs, and therefore procure energy, capacity, and transmission services to accomplish this objective. LSEs in the SERTP typically conduct Integrated Resource Planning ("IRP") processes on a reliable and least-cost basis to assess future load-serving needs, consider supply-side and demand-side options, and procure transmission delivery services. The IRP processes of LSEs, which are often state-regulated, consider a multitude of factors over a long-term horizon in their decisions to select resources and procure delivery services, including reliability, transmission impacts,

economics, environmental attributes, economic growth, energy efficiency, resource diversity, applicable regulations, fuel delivery, ancillary services, and construction lead-times. Specifically, LSEs use IRP processes to identify a cost-effective mix of supply-side and demand-side capacity resources to meet future requirements. The physical transmission delivery service markets in the SERTP region enable LSEs to base their decisions on long-term, total delivered costs without exposure to congestion pricing or significant delivery risks.

As LSEs make their resource decisions, these decisions and corresponding transmission service commitments are provided to the SERTP sponsors and form the basis for transmission planning assumptions in the SERTP region. Through their commitments for long-term, firm delivery service, LSEs communicate to the SERTP sponsors the set of resources their IRP processes have selected as best situated to serve their customers' long-term needs. This process significantly reduces uncertainties related to future resources and delivery needs and provides sufficient lead times to enable transmission facilities to be planned and constructed.

The load forecasts, demand-side management programs, resource decisions, and corresponding firm transmission commitments resulting from the IRP activities of LSEs establish the majority of delivery obligations and modeling inputs for transmission planning in the SERTP region.

Customer Needs Lead to Continually Evolving Transmission Plans

Transmission planning in the SERTP region is focused on identifying reliable, cost-effective transmission projects to meet the long-term firm transmission delivery service obligations to transmission customers, and thereby assisting in serving their forecasted load obligations from their desired resource choices. Simply put, transmission plans are driven by customer transmission delivery service needs, and these needs can be constantly changing. Each year, load forecasts change, resource decisions change, and, as a result, transmission delivery service needs change. On a recurring basis, LSEs and other transmission customers communicate their delivery needs, which the SERTP incorporates into the latest transmission planning models and analyses. Planned transmission projects are reassessed to ensure that the proper scope and timing of the projects have been identified. Transmission projects are timed to coincide with delivery service needs; early enough to ensure physical capacity is in place to meet delivery commitments, but not so early as to incur significant carrying costs or limit flexibility if delivery needs change. Each year, planned transmission projects are often re-timed and, in some cases, eliminated.

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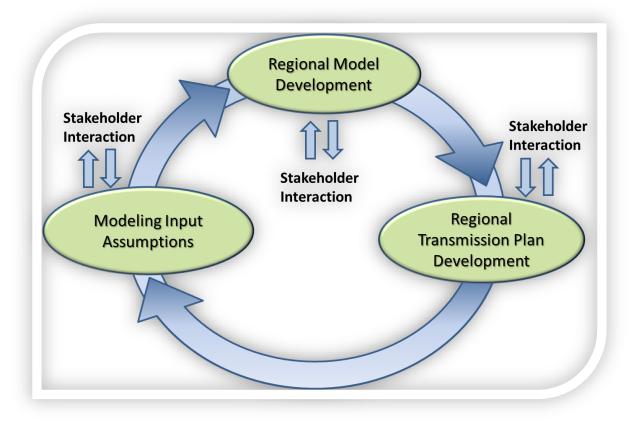
REGIONAL TRANSMISSION PLAN & INPUT ASSUMPTIONS OVERVIEW

Although the results of these planning efforts culminate annually into a regional transmission plan document, the regional transmission plan is continually re-evaluated as on-going changes in firm delivery service obligations, forecasted conditions, and identified-project alternatives arise. Therefore, the regional transmission plan is updated and improved upon on a recurring basis, often resulting in the identification of new cost-effective transmission project options, timing changes to existing transmission projects, and the potential removal of some transmission projects from the ten year plan. This planning approach provides a seamless interaction with IRP processes such that as IRP decisions are made, the expected transmission impacts considered in those IRP decisions become reflected in the regional transmission plan, unless other, more cost-effective, reliable solutions have been identified for the then-current forecasted conditions. Similarly, the decisions of other types of market participants to procure long-term, firm transmission delivery service in the SERTP region are incorporated in the development of the regional transmission plan as well. These constantly-changing customer needs drive a constantly-changing regional transmission plan.

The SERTP develops a regional plan each year, but the plan is a "snapshot", solely intended to reflect the then-current transmission plan based upon then-current forecasted assumptions and transmission delivery service needs. Transmission planning is a very iterative process, with delivery needs and associated projects constantly evolving. From the start, transmission planning in the SERTP region reflects a high degree of coordination and joint modeling between neighboring systems. If reliability constraints are identified, the SERTP works to identify cost-effective, reliable transmission projects, not only on their respective transmission systems, but also considering potential transmission projects across two or more transmission systems. Transmission plans are shared with SERTP stakeholders at regular intervals during the year and the frequent engagement with stakeholders allows for additional inputs into potential project alternatives.

Diagram II.1 below illustrates the iterative nature of the SERTP process and the development of the regional transmission plan.

Diagram II.1: Iterative Regional Transmission Plan Development Process



Transmission Planning for Public Policy Requirements

In planning, constructing, operating, and maintaining the transmission system, the responsible transmission entities must meet all local, state, and federal laws/regulations applicable within their respective jurisdictions. These laws and regulations are referred to as public policy requirements ("PPRs"). The SERTP strives to (and are required by law) to meet all PPRs applicable to planning the transmission system. Although PPRs applicable to transmission planning vary by jurisdiction, some common examples of PPRs involving transmission planning include complying with applicable State Public Service Commission requirements, complying with Nuclear Regulatory Commission requirements related to offsite power, and planning consistent with applicable North American Electric Reliability Corporation ("NERC") Reliability Standards.

Although PPRs related to generating resource decisions are typically applicable to LSEs, these too can impact the development of the transmission plan. By offering physical transmission services, SERTP sponsors help facilitate applicable entities, such as LSEs, in meeting their PPR obligations related to resource decisions. As an example, let's assume a state-enacted PPR requires LSEs within



the state to add additional renewable resources to their generation mixes. An LSE, through its IRP analyses and processes, may determine that its most appropriate resource selection is to import renewable generation from a neighboring area. Alternatively, the LSE may determine that its most appropriate option is to interconnect new renewable generation locally. In either case, the LSE can provide its resource selection decisions through long-term, delivery service commitments to the SERTP sponsors, so that the SERTP can incorporate these input assumptions into the transmission expansion planning process to accommodate the delivery of the resource selections.

SERTP Regional Planning Process Timeline

As discussed earlier, the SERTP planning process is an iterative process that continually re-evaluates the regional transmission plan based upon changes in actual and forecasted conditions. Often forecasted conditions can change, driven by inputs from native load and wholesale transmission customers such as their load-serving obligations and resource assumptions.

In light of these on-going changes, in a given planning cycle, transmission projects that may be included in the then-current regional plan are re-assessed by the SERTP sponsors, each applying its respective planning criteria, to determine: 1) if a given project continues to be needed, 2) if the timing of the projects should be adjusted, and 3) if potential alternatives exist that may be more reliable and cost-effective to address the underlying transmission capacity requirements.

Diagrams II.2 and II.3 below illustrate the approximate timing and objectives of the SERTP process.

Diagram II.2: SERTP Process - Quarters 1 & 2

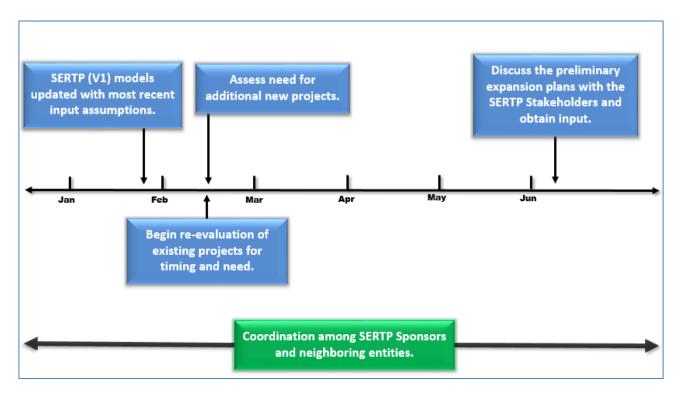
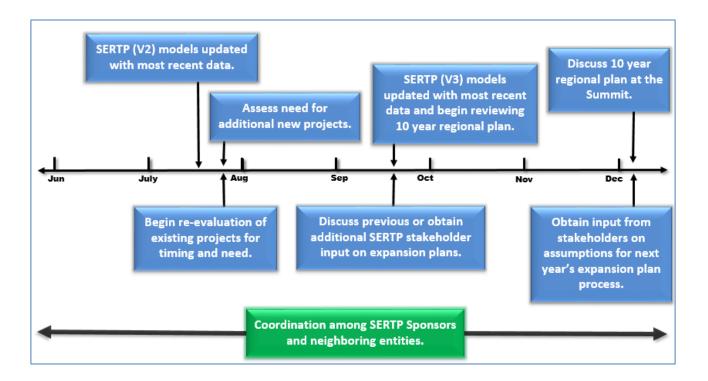


Diagram II.3: SERTP Process - Quarters 3 & 4



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REGIONAL TRANSMISSION PLAN & INPUT ASSUMPTIONS OVERVIEW

The SERTP Region – A Robust, Reliable, Resilient Transmission System

The SERTP transmission planning approach has resulted in a robust transmission system intended to enable both native load and wholesale customers the right to use the underlying physical transmission capacity in the system associated with their long-term, firm transmission commitments. In fact, the SERTP region is one of the largest transmission planning regions in the Eastern Interconnect in terms of transmission line miles with over 75,000-line miles.

The 2021 regional transmission plan includes forecasted transmission projects to continue to reliably and cost-effectively provide for the transmission needs of the SERTP region. The planned physical transmission capacity provides for a continued robust, reliable, and resilient transmission system which responds well under a wide range of operating uncertainties and supports routine maintenance and construction activities.

Tables II.1 and II.2 below depict a snapshot of the major transmission expansion project types included in the regional transmission plan throughout the ten-year planning horizon.

Table II.1 2021 SERTP Regional Transmission Plan - Transmission Project Snapshot

| SERTP | Total |
|---|--------|
| Transmission lines - New | 374.1 |
| (Circuit Mi.) | 3/4.1 |
| Transmission Lines — Uprates ¹ | 1645.4 |
| (Circuit Mi.) | 1045.4 |
| Transformers ² - New | 15 |
| Transformers ² - Replacements | 11 |

¹A transmission line uprate may be the result of reconductoring and/or increasing the operating temperature/voltage along the transmission line.

Table II.2 2021 SERTP Regional Transmission Plan – Transmission Project Snapshot by operating voltage

| SERTP | 100-120 | 121-150 | 151-199 | 200-299 | 300-399 | 400-550 |
|---|---------|-------------|---------|---------|-------------|---------|
| | kV | kV | kV | kV | kV | kV |
| Transmission lines — New | 79.7 | | 104.9 | 189.5 | | |
| (Circuit Mi.) | 79.7 | | 104.9 | 109.5 | | |
| Transmission Lines — Uprates ¹ (Circuit Mi.) | 1262.1 | 1.8 | 76.6 | 290.6 | 14.3 | |
| Transformers ² - New | | | | 9 | 2 | 4 |
| Transformers ² - Replacements | 3 | | | 8 | | |

¹A transmission line uprate may be the result of reconductoring and/or increasing the operating temperature/voltage along the transmission line.

²The voltages shown represent the operating voltages on the high side terminals of the transformer

²The voltages shown represent the operating voltages on the high side terminals of the transformer

III. SERTP Regional Modeling

Regional Model Development

The SERTP annually develops regional powerflow models, which include the coordinated inputs and assumptions needed to support on-going regional transmission planning analyses. These models, which are available to SERTP stakeholders via the secure area of the SERTP website, are utilized by SERTP sponsors to perform regional transmission planning analyses and are also well suited to support SERTP stakeholders in conducting a wide range of scenarios and sensitivities that may be of interest. Table III.1 below provides a list of the 2021 series set of SERTP powerflow models.

Additional models may be developed on an "ad hoc" basis based upon the requirements of the then-current planning cycle.

Table III.1: 2021 Series set of SERTP Powerflow Models

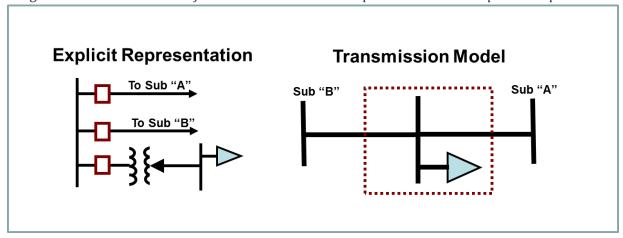
| No. | Season | Year | MMWG Starting Point Case |
|-----|----------|------|--------------------------|
| 1 | Summer | 2023 | 2022SUM |
| 2 | Summer | 2026 | 2025SUM |
| 3 | Summer | 2031 | 2030SUM |
| 4 | Shoulder | 2026 | 2025SSH |
| 5 | Winter | 2026 | 2025WIN |
| 6 | Winter | 2031 | 2030WIN |

The SERTP regional powerflow models provide representations of the existing transmission topology plus forecasted topology changes throughout the ten-year planning horizon. In addition, these models incorporate the input assumptions provided by LSEs and other transmission customers for use in planning the transmission system.

The powerflow models provide a comprehensive representation of the actual and forecasted transmission system so that simulations of the transmission system's ability to reliably accommodate firm delivery service commitments can be performed. The SERTP conducts interactive stakeholder training on modeling and analysis techniques each year intended to help stakeholders better understand and utilize the abundance of information provided in these materials. More information on previous training presentations can be found on the SERTP website.

In the models, transmission lines, transformers, and substations are modeled as branches and nodes (buses). In general, radial transmission facilities only serving load with one source are typically not considered Bulk Electric System (BES) facilities and therefore, are not explicitly modeled. Diagram III.1 depicts a simple example of how an explicit substation representation might be reflected in the powerflow models.

Diagram III.1: SERTP Powerflow Model Substation Representation – Simple Example



The regional powerflow models are considered and marked as Critical Energy Infrastructure Information (CEII). The Federal Energy Regulatory Commission defines CEII as being specific engineering, vulnerability, or detailed design information about proposed or existing critical infrastructure (physical or virtual) that:

- 1) Relates details about the production, generation, transmission, or distribution of energy;
- 2) Could be useful to a person planning an attack on the critical infrastructure;
- 3) Is exempt from mandatory disclosure under the Freedom of Information Act; and
- 4) Does not simply give the general location of the critical infrastructure.

The SERTP models and other CEII materials are available to SERTP stakeholders, but are kept in the secure area of the SERTP website for the reasons discussed above. The process by which a stakeholder can obtain access to CEII can be found on the SERTP website.

Regional Modeling Input Assumptions

Vast amounts of data and information, such as the SERTP regional models, are available to all SERTP stakeholders, but are generally more geared towards an engineering audience. Therefore, the summaries below are intended to provide an overview of the modeling assumptions.

Section III and Appendices 1-9 include detailed information on the input assumptions reflected in the regional powerflow models and considered in the transmission planning process. The data shown is representative of the input assumptions provided by LSEs and other transmission customers for specific use in planning the transmission system during the 2021 planning cycle.

Load Forecasts

LSEs, who are responsible for identifying and securing the firm transmission delivery services necessary to meet their current and forecasted load serving requirements, annually supply the

SERTP sponsors with revised load forecasts. The SERTP incorporates the latest load forecasts from each LSE into the latest series of SERTP powerflow models. Diagram III.2 provides cumulative load forecast trends by year for the SERTP region for each of the last five years.

SERTP Region - Cumulative Summer Peak Load Forecast 134,000 132.000 130,000 128,000 Projected Load (MW) 126.000 124,000 122,000 120,000 118.000 116,000 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2021 Cumulative --- 2020 Cumulative →2019 Cumulative ----2018 Cumulative 2017 Cumulative

Diagram III.2: Cumulative SERTP Load Forecast

The SERTP powerflow models provide more detailed information on the forecasted load. The 2021 series SERTP powerflow models are made available through the secure area of the SERTP website.

Energy Efficiency and Demand Side Management

The load forecasts provided by LSEs often reflect reduced load serving requirements for particular loads based upon energy efficiency ("EE") and demand side management ("DSM") options. Such options are developed as a part of each individual LSE's IRP processes on a state-by-state and program-by-program basis and therefore can vary in structure and operational characteristics. The transmission planning process in the SERTP necessarily plans for each LSE's loads consistent with their desired treatment of such loads. While each LSE may treat their load forecasting process and assumptions differently, the following describes the typical treatment of energy efficiency and demand side resources.

LSEs proactively seek out DSM options that are economical and of interest to customers. In many cases, such DSM options are setup and implemented under the purview of state-approved programs, and therefore the LSE treats the DSM options in its load forecasting process consistent with the parameters of such programs. Energy efficiency and non-dispatchable (passive) demand

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side resources are typically treated as load-modifying and are reflected in a reduced load forecast provided by the LSEs and incorporated in the SERTP transmission planning models. Dispatchable (active) demand side resources are accounted for and considered as part of the resource decisions that are provided by each LSE. LSEs often do not treat these demand side resources as load-modifying when supplying load forecast assumptions into the SERTP process because of a multitude of factors, including:

- A significant number of exposure hours can greatly exceed the number of hours a DSM resource may be available
- Relying upon active DSM to address transmission constraints can lead to response fatigue from customers and potential withdrawal from DSM programs
- The operational characteristics of active DSM resources may be insufficient to address transient transmission needs

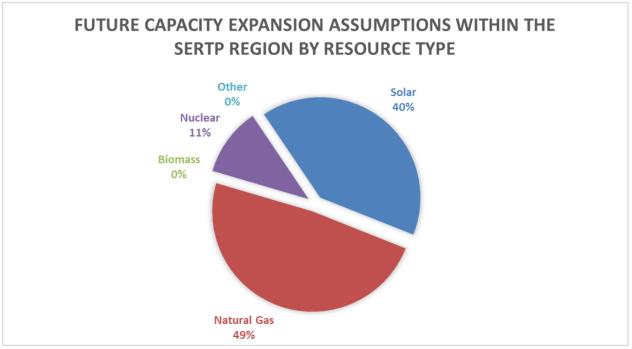
Generating Resources

The 2021 series SERTP powerflow databases available on the secure area of the SERTP website contain information on each of the generating resources connected within the SERTP region as well as those that are planned to be connected within the ten-year planning horizon. Detailed tabular reports on such information can be run on the powerflow databases utilizing PSS/E software.

LSEs and market participants routinely make changes in their generation resource assumptions and associated transmission delivery service commitments. These changes can have many different drivers, including the selection of new resources, the retirement of generation, and the expiration of purchase power agreements. The SERTP reflects the latest generation resource assumptions, as provided by LSEs, in the then-current modeling and transmission planning analyses.

Appendices 1 through 9 depict changes in the generation resource assumptions that occur in the ten (10) year transmission planning cycle, including the year(s) in which they occur for each BAA in the SERTP region. Several of the changes in the generation resource assumptions represent capacity sourced from assumed generation expansion within the SERTP region. Diagram III.3 provides a breakdown, by resource type, of these generation expansion assumptions within the SERTP region.

Diagram III.3: Future Capacity Expansion Assumptions within the SERTP Region by Resource Type



Generation assumptions within the SERTP region can also stem from long-term, firm point-to-point transmission service commitments. Additional information on long-term firm transmission service commitments considered in the 2021 SERTP process is available in Appendices 1 through 9 as well as on each SERTP sponsor's respective OASIS site.

Interface Commitments

In addition to the firm transmission delivery service commitments made by LSEs that source and sink within their NERC BAA, firm transmission delivery service commitments may exist that source and/or sink across two NERC BAAs. These commitments are called interface commitments.

While interface commitments can stem from a number of drivers, many of these commitments are the result of LSEs opting to procure transmission capacity to receive deliveries from off-system resources to serve their loads. Other market participants may also utilize long-term, firm transmission delivery service to obtain delivery priority to access either committed or potential customers in other BAAs. The interfaces are also planned to maintain reliability margins to address uncertainties which may arise in real-time operations. Two types of reliability margins are 1)

Transmission Reliability Margin ("TRM"), which is capacity preserved to provide reasonable assurance that the interconnected transmission network will be secure under the inherent uncertainty in real-time system conditions and 2) Capacity Benefit Margin ("CBM"), which is capacity



preserved to enable LSEs access to generation from other interconnected systems to meet generation reliability requirements should times of emergency generation deficiencies arise. Each SERTP sponsor plans the transmission system to accommodate all its long-term firm interface commitments including reliability margins. This planning, along with planning for other long-term firm commitments, has resulted in a highly integrated and robust network of ties within the SERTP region.

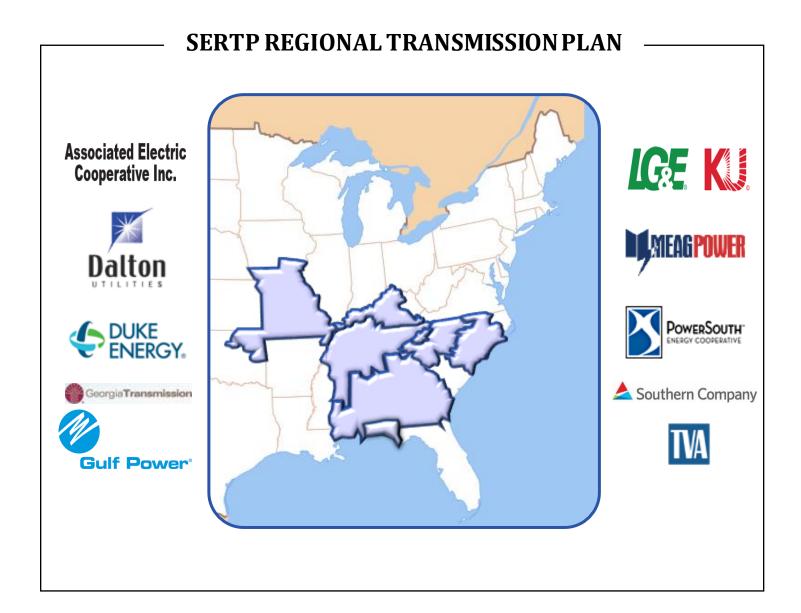
Appendices 1 through 9 provide detail on the interface commitments modeled in the 2021 series SERTP regional powerflow models. Additional information on the long-term firm transmission service interface commitments considered in the 2021 SERTP process is available on each SERTP sponsor's respective OASIS sites.

IV. SERTP Regional Transmission Plan Summary

Regional Plan Summary

The regional transmission plan represents the culmination of each year's planning cycle assessment, providing a "snapshot" of the transmission capacity requirements to safely, reliably, and economically serve the load within the SERTP region based upon the current resource assumptions of LSEs and other transmission customers. As described in Sections II & III, the regional transmission plan is continually assessed and may be revised based upon changes to these input assumptions. The 2021 SERTP regional transmission plan, found in its entirety in Section V, consists of around 100 transmission projects, totaling an estimated \$2.7 billion dollars, including: over 370 miles of new transmission lines, over 1600 miles of transmission line uprates (including upgrades, reconductors, and rebuilds), and 26 transformer additions and/or replacements. This planned physical transmission capacity provides for a continued robust, reliable, and resilient transmission system that responds well under a wide range of operating uncertainties and supports routine maintenance and construction activities. Tables II.1 and II.2 in Section II provide additional cumulative breakdowns on the regional transmission plan, while Appendices 1 through 9 depict tabular breakdowns for each BAA.

V. The SERTP Regional Transmission Plan



December 6, 2021

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¹ The projects described in this document represent the current regional transmission plan. This plan, a long with the transmission projects included within it, is periodically reviewed and may be revised due to changes in assumptions. This document does not represent a commitment to build for projects listed in the future.



In-Service

2022

Year:

Project Name: CUBA 161 KV REACTOR

Description: Add 10-40 MVAR variable reactor at Cuba.

Supporting

High voltage is seen in the Cuba area during low load scenarios.



DUKE CAROLINAS Balancing Authority Area

In-Service

2023

2023

Year:

Project Name: GREAT FALLS SW STA - WATEREE TIE 100KV TRANSMISSION LINE

Description: 6-wire the Great Falls Sw Sta - Wateree Tie 100kV Transmission Line

Supporting The Great Falls Sw Sta - Wateree Tie 100kV double circuit transmission line can overload

Statement: for the loss of a parallel circuit with the replacement of the DEP owned 100/115kV

transformers at Wateree Tie

In-Service

Year:

Project Name: SADLER TIE – DAN RIVER 100 KV TRANSMISSION LINE

Description: Construct approximately 9.2 miles of new 100 kV transmission line between Dan River

Steam Station and Sadler Tie with 954 AAC at 120°C.

Supporting Thermal overloads occur around Dan River Steam Station and Dan River Combined Cycle

Statement: Station under contingency.

In-Service

2023

Year:

Project Name: WILKES TIE 230 KV SUBSTATION

Description: Install a new 230/100 kV, 448 MVA transformer at Wilkes Tie.

Supporting Thermal overloads occur near North Wilkesboro Tie and additional voltage support is

Statement: needed in the area under contingency.

In-Service

2025

Year:

Project Name: ALLEN STEAM STATION TRANSFORMER REPLACEMENT

Description: To facilitate the generation retirement at Allen Steam Station, both 230/100kV

transformers need to be replaced with larger 448MVA units

Supporting

Allen Steam Station transformers overload under contingency



DUKE CAROLINAS Balancing Authority Area

In-Service

2025

2025

Year:

Project Name: MOCKSVILLE MAIN - MITCHEL RIVER TIE 100KV TRANSMISSION LINE

Description: Rebuild 10 miles of the Mocksville Main - Mitchel River 100kV double circuit

transmission line with 1295 ACSR rated at 120 °C

Supporting Mocksville Switching Station - Mitchel River Tie 100kV Double Circuit transmission line

Statement: can overload under contingency

In-Service

Year:

Project Name: NORTH GREENSBORO TIE - GREENSBORO MAIN 100KV TRANSMISSION LINES

Description: Rebuild both North Greensboro Tie - Greensboro Main double circuit 100kV

transmission lines (9.35 miles total rebuild) with 1158 ACSS/TW rated at 200°C

Supporting Both North Greensboro Tie - Greensboro Main double circuit transmission lines can

Statement: overload under contingency

In-Service

2026

Year:

Project Name: HODGES TIE - CORONACA TIE 100KV TRANSMISSION LINE

Description: Rebuild approximately 9.2 miles of the Hodges Tie - Coronaca Tie 100kV transmission

line with 795 ACSS/TW at 200°C

Supporting The loss of a parallel Hodes Tie - Coronaca Tie 100kV transmission line causes the

Statement: remaining circuit to overload



DUKE CAROLINAS Balancing Authority Area

In-Service

2027

Year:

Project Name: LANCASTER MAIN - MONROE MAIN 100KV TRANSMISSION LINE

Description: Rebuild 23.8 miles of Lancaster Main - Monroe Main 100kV double circuit transmission

line with 1158 ACSS/TW rated at 200°C

Supporting

Lancaster Main - Monroe Main 100kV transmission line can overload under contingency



DUKE PROGRESS EAST Balancing Authority Area

In-Service

2022

Year:

Project Name: ASHEBORO – ASHEBORO EAST (NORTH) 115 KV TRANSMISSION LINE

Description: Rebuild approximately 6.5 miles of the Asheboro – Asheboro East (North) 115 kV

transmission line using 1590 ACSR rated for 307 MVA. Replace disconnect switches at Asheboro 230 kV substation and both the breaker and the disconnect switches at Asheboro East 115 kV substation with equipment of at least 2000A capability.

Supporting The Asheboro – Asheboro East (North) 115 kV transmission line overloads under

Statement: contingency.

In-Service

2022

Year:

Project Name: IND 304440 – MAXTON 115 KV RECONDUCTOR

Description: Reconductor approximately 3.5 miles of the IND 304440 – Maxton 115 kV transmission

line with 795 ACSR. Replace existing 600A switches with 1200A switches.

Supporting The IND 304440 – Maxton section of the Weatherspoon – IND 304440 115 kV

Statement: transmission line overloads under contingency.

In-Service

Project Name:

2022

Year:

IND 304731-DPC WATEREE PLANT 115 KV TRANSMISSION LINE

Description: Uprate the Elgin Tap – DPC Wateree Plant section (5 miles) of the IND 304731–DPC

Wateree Plant 115kV line to its full 336 MCM ACSR conductor rating (from 170 deg F to

212 deg F).

Supporting

Elgin Tap – DPC Wateree Plant 115 kV section overloads under contingency.



DUKE PROGRESS EAST Balancing Authority Area

In-Service

2022

Year:

Project Name: WATEREE 115KV PLANT REPLACE TRANSFORMERS

Description: Replace existing 150 MVA, 115/100kV transformer bank with two 168 MVA, 115/100kV

transformers.

Supporting

The existing Wateree transformer bank overloads under contingency.

Statement:

In-Service

2025

Year:

Project Name: CARTHAGE 230 KV SUBSTATION

Description: Construct Carthage 230 kV Substation

Supporting

Various contingencies cause overloads and low voltages in the area.

Statement:

In-Service

2026

Year:

Project Name: WSPN-IND 304440 115 KV TRANSMISSION LINE

Description: Reconductor approximately 9.0 miles from Maxton to Pembroke 115 kV substation with

795 MCM ACSR or equivalent. Replace the existing 600A switch (45-2) with a 1200A

switch.

Supporting

The Maxton-Pembroke section of the Weatherspoon-Ind 304440 115 kV transmission

Statement: line overloads under contingency.

In-Service

2027

Year:

Project Name: BRUNSWICK #1 – JACKSONVILLE 230 KV TRANSMISSION LINE

Description: Loop the existing Brunswick Plant Unit 1 – Jacksonville 230 kV transmission line into the

Folkstone 230 kV substation. Also, convert the Folkstone 230 kV bus configuration to

breaker-and-one-half by installing three (3) new 230 kV breakers.

Supporting

The Castle Hayne – Folkstone 115 kV transmission line overloads under contingency.



DUKE PROGRESS EAST Balancing Authority Area

In-Service

Year:

2028

Project Name: **DURHAM – RTP 230 KV TRANSMISSION LINE**

Description: Reconductor approximately 10.0 miles of the Durham – RTP 230 kV transmission line

with bundled 6 - 1590 ACSR rated for 1195 MVA.

Supporting The Durham – RTP 230 kV transmission line overloads under contingency.



DUKE PROGRESS WEST Balancing Authority Area

In-Service

2026

Year:

Project Name: ASHEVILLE PLANT – OTEEN WEST 115 KV TRANSMISSION LINE, BALDWIN TAP

Description: Construct approximately 2.2 miles of new 115 kV transmission line from the Asheville

Plant – Oteen West 115 kV transmission line to the Asheville Plant – Oteen East 115 kV transmission line, with 795 ACSR. The Baldwin 115 kV substation will be reconnected to

this new tap line.

Supporting Statement:

Additional voltage support is needed in the Baldwin area under contingency.

In-Service

Year:

2026

Project Name:

CRAGGY-ENKA 230 KV TRANSMISSION LINE

Description: Construct approximately 10.0 miles of new 230 Kv transmission line from the Craggy 230

Kv substation to the Enka 230 Kv substation with 3-954 ACSS-TW or equivalent

conductor rated for 710 MVA.

Supporting

The Enka–West Asheville 115 kV line overloads under contingency.



GULF POWER Balancing Authority Area

In-Service

2021

Year:

Project Name: ARGYLE INJECTION

Description: Build a new 230/115kV substation (Argyle). Loop-in Shoal River-Smith 230kV line and

Glendale Road Tap-Glendale Road 115kV line section. Reconductor Glendale Road Tap-Argyle line section to a minimum of 1044 Amps (208 MVA). Build a new 115kV line of approximately 5 miles rated at 1495 Amps (298 MVA) to Glendale Road Tap to create new Argyle-Holmes Creek 115kV line. Install a 230/115kV, 500 MVA autotransformer at

Argyle substation.

Supporting Statement:

This project eliminates several overloads under a number of contingency scenarios. This

project also provides additional operational and maintenance flexibility which then

increases reliability.

In-Service

2021

Year:

Project Name: CRIST GENERATION EXPANSION PROJECT

Description: Construct new 230kV Crist CT switchyard to connect 4-235MW CTs. Loop existing Crist-

Alligator Swamp #2-230kV and Crist-Bellview 230kV lines into new Crist CT switchyard.

Required transmission upgrades:

- Brentwood-Crist 230kV (1928A, 768MVA)(7.6miles)

Crist-Scenic Hills 115kV #1 (1800A, 359MVA)(2.9miles)

- Bellview-Crist 230kV (1928A, 768MVA)(8.9miles)

- Bellview 230/115kV Transformer (increase to 500MVA)

- Eastgate-Scenic Hills 115kV (1005A, 200MVA)(4.8miles)

- Crystal Beach-Bluewater 115kV 7-minutes Emergency Rating (1110A, 221MVA)

- 1-55MVAR, 230kV cap bank at Laguna Beach

Supporting

Statement:

Revised resource integration in Gulf Power Area.

In-Service

2021

Year:

Project Name: HATHAWAY 115KV LOOP SUBSTATION

Description: Build a new 115kV line of approximately 2.39 miles rated at 1512 Amps (301 MVA) from

Hathaway Tap to Hathaway to provide loop service. Make Hathaway a breaker station.

Supporting

Loss of the transmission radial will cause consequential load loss.



GULF POWER Balancing Authority Area

In-Service

2022

Year:

Project Name: CRIST-DEATON #2 115KV

Description: Reconductor approx. 2.1 miles of JAY ROAD-MUNSON 115kV line to a minimum of 1495

Amps (298 MVA).

Reconductor approx. 2.4 miles of MUNSON-DEATON 115kV line to a minimum of 1495

Amps (298 MVA).

Supporting Statement:

The Deaton-Munson-Jay Road 115 kV transmission line overloads under contingency.

In-Service 2022

Year:

Project Name: CRIST-SOUTH CRESTVIEW #2 115KV

Description: Reconductor approx. 15 miles of DEATON-HOLT TP 115kV line to a minimum of 1495

Amps (298 MVA).

Reconductor approx. 11.3 miles of HOLT TP-SOUTH CRESTVIEW 115kV line to a

minimum of 1495 Amps (298 MVA).

Supporting The Deaton-Holt TP-South Crestview 115 kV transmission line overloads under

Statement: contingency.

In-Service

2022

Year:

Project Name: **DEATON INJECTION PHASE I AND PHASE II**

Description: Build a new 115kV substation (Deaton) looping-in the existing Crist-South Crestview #1

& #2-115kV lines. Loop existing Alligator Swamp-Miller Bayou 230kV line into new Deaton 230kV expansion. Install a new 230/115kV, 500 MVA autotransformer. Loop

existing Blackwater-Crooked Creek 115kV line section into Deaton 115kV.

Supporting Statement:

This project eliminates several overloads under a number of contingency scenarios. This

project also provides additional operational and maintenance flexibility which then

increases reliability.



GULF POWER Balancing Authority Area

In-Service

2022

Year:

Project Name: RAVEN-SINAI CEMETARY 161KV TRANSMISSION LINE

Description: Build a new 161kV line of approximately 176 miles rated at 3,210 Amps (895 MVA) from

Raven (FPL) to Sinai Cemetery (GP) substations. Add a 230/161kV transformer at Raven

and Sinai substations.

Supporting This project will help meet future load growth and continue to improve reliability in a

Statement: low cost manner for Gulf Power's customers by implementing a direct transmission

connection between Gulf Power and FPL.

In-Service

2023

Year:

Project Name: ARGYLE – SANTA ROSA 115 KV TRANSMISSION LINE

Description: Build a new 115kV line of approximately 35 miles rated at 1495 Amps (298 MVA) from

the new Argyle substation to Santa Rosa substation. Build a new 115kV line of

approximately 7.4 miles (common structure) from Santa Rosa to Sandestin substations.

Build a 3-breaker ring bus substation at Sandestin site.

Supporting Statement:

This project eliminates several overloads under a number of contingency scenarios. This

project also provides additional operational and maintenance flexibility which then

increases reliability.

In-Service

Project Name:

2023

Year:

CRIST-SOUTH CRESTVIEW #1 115KV

Description: Reconductor approx. 21.64 miles of DEATON-MILLIGAN TAP 115kV line to a minimum of

1495 Amps (298 MVA).

Reconductor approx. 4.7 miles of MILLIGAN TAP-SOUTH CRESTVIEW 115kV line to a

minimum of 1495 Amps (298 MVA).

Supporting

The Deaton-Milligna TP-South Crestview 115 kV transmission line overloads under

Statement: co

contingency.



GULF POWER Balancing Authority Area

In-Service

2023

Year:

Project Name: **DESTIN LOOP PROJECT**

Description: Build a new 115kV line of approximately 4.18 miles to loop-in Destin and Henderson

Park substations on the Bluewater Bay (PS)-Crystal Beach 115kV line section.

Supporting

Loss of the transmission radial will cause consequential load loss.

Statement:

In-Service

2023

Year:

Project Name: GREENWOOD-LANSING SMITH #1 115V

Description: Reconductor approx. 2.8 miles of LANSING SMITH-NORTH BAY 115kV line to a minimum

of 1860 Amps (371 MVA).

Reconductor approx. 2.44 miles of NORTHSIDE-NORTH BAY 115kV line to a minimum of

1860 Amps (371 MVA).

Supporting The Lansing Smith-Norh Bay-Northside 115 kV transmission line overloads under

Statement: contingency.

In-Service

2023

Year:

Project Name: INNERARITY 115KV LOOP SUBSTATION

Description: Build a new 115kV line of approximately 8.5 miles rated at 1495 Amps (298 MVA) from

Beach Haven to Innerarity to provide loop service.

Supporting

Loss of the transmission radial will cause consequential load loss.



GULF POWER Balancing Authority Area

In-Service

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2024

Year: Project Name:

GULF BREEZE 115KV LOOP SUBSTATION

Description: Build a new 115kV line of approximately 3.5 miles rated at 1495 Amps (298 MVA) from

Live Oak to Gulf Breeze to provide loop service.

Supporting

Loss of the transmission radial will cause consequential load loss.

Statement:

In-Service

2024

Year:

Project Name: HOLMES CREEK – SOUTH CRESTVIEW 115 KV TRANSMISSION LINE

Description: Rebuild the ~54.4 mile section of 336.4 ACSR 26/7 at 75°C from Holmes Creek-Pittman-

Geneva Tap-Glendale Tap-East Crestview Tap-South Crest View with 795 26/7 ACSR at

100°C (1,086A)

Supporting This project eliminates high loadings under contingency scenarios. This project also

Statement: provides additional operational and maintenance flexibility, which increases reliability.

In-Service

2027

Year:

Project Name: SINAI-GASKIN 115KV TRANSMISSION LINE

Description: Upgrade/reconductor Sinai-Altha (PS) 115kV line section to a minimum of 567Amps

(113MVA)

Supporting Statement:

The Sinai-Callaway 115 kV transmission line overloads under contingency.



SERTP TRANSMISSION PROJECTS LG&E/KU Balancing Authority Area

In-Service

2022

Year:

Project Name: CANE RUN SWITCHING TO CANE RUN 11 TAP 138KV TRANSMISSION LINE

Description: Upgrade approximately 1.82 miles of the Cane Run Switching to Cane Run 11 Tap 138 kV

transmission line (795 MCM 26X7 ACSR) to a maximum operating temperature of 212°F.

Supporting

The Cane Run Switching to Cane Run 11 Tap 138kV line overloads under contingency.

Statement:

In-Service

2022

Year:

Project Name: HARDIN COUNTY SUBSTATION ADDITIONS

Description: Install a second 345/138 kV, 450 MVA transformer at Hardin County. Install a second

138/69kV, transformer at Hardin County. Install a second 69kV line Elizabethtown -

Hardin County.

Supporting Statement:

Additional voltage support is needed in the Elizabethtown area under contingency.

In-Service

Year:

Project Name: BROWN NORTH 345/138KV #2 TRANSFORMER

Description: Install a second Brown North 345/138kV, 450 MVA transformer at Brown North.

Upgrade the terminal equipment associated with breaker 152-724 at Brown North for the Brown North to Pisgah 138kV line including the 1200A disconnects associated with

the breaker.

2023

Supporting

The Brown North 345/138kV Transformer overloads under contingency.



SERTP TRANSMISSION PROJECTS LG&E/KU Balancing Authority Area

In-Service 2025

Year:

Project Name: MIDDLETOWN TO BUCKNER 345KV TRANSMISSION LINE

Description: Replace the 345kV 2000A breakers associated with the Middletown to Buckner 345kV

line with 3000A breakers.

Supporting The Middletown to Buckner 345kV line overloads under contingency.



SERTP TRANSMISSION PROJECTS POWERSOUTH Balancing Authority Area

In-Service

2021

Year:

Project Name: LIBERTY 230/115 KV TRANSFORMER ADD THIRD TRANSFORMER

Description: Add a third 150 MVA transformer

Supporting The existing 230/115 kV, 150 MVA transformers at Liberty Substation overload under

Statement: contingency.

In-Service

2022

Year:

Project Name: BREWTON - FREEMANVILLE 115KV DESIGN TEMP UPGRADE

Description: Upgrade the designed operating temperature for approximately 25 miles of 115 kV

transmission line from Brewton to Fremanville. This 556 ACSR line will have a designed operating temperature of 212°F (100°C) following the completion of the project.

Supporting The Brewton - Freemanville transmission line overloads under contingency and

Statement: additional line capacity is needed to prevent system reconfiguration during contingency.

In-Service

2022

Year:

Project Name: FOUNTAIN 115KV CAP BANK

Description: Install a 30 Mar capacitor bank at the Fountain 115kV substation.

Supporting There is a need for voltage support in the immediate area under contingency and

Statement: additional reactive resources are needed in this area to resolve those issues.

In-Service

2022

Year:

Project Name: WING 115KV SWITCHING STATION

Description: Construct a new 115kV switching station for the purpose of interconnection the Wing

Solar facility.

Supporting

This station is needed to serve as the POI for a new 80MW solar facility.



SERTP TRANSMISSION PROJECTS

POWERSOUTH Balancing Authority Area

In-Service

2023

Year:

Project Name: **ELSANOR-MIFLIN 115KV SECOND LINE**

Construct approximately 12 miles of new 115kV transmission line from Elsanor to Miflin

with 795 ACSR at 100°C.

Supporting

Description:

The existing Elsanor-Miflin 115kV transmission line overloads under contingency.

Statement:

In-Service

2023

Year:

Project Name: **GASKIN – SOUTHPORT 115 KV TRANSMISSION LINE**

Description: Construct approximately 9.0 miles of new 115 kV transmission line from Gaskin

Switching Station to Southport substation with 795 ACSR at 100°C.

Supporting Improve the reliability of Gulf Coast Electric's substations by providing a looped service

Statement: feed.

In-Service

2024

Year: Project Name:

BELLEVILLE - GANTT 230 KV DESIGN TEMPERATURE UPGRADE

Description: Operating temperature upgrade on approximately 40.0 miles of 230 kV transmission

line from Belleville 230kV Station to Gantt 230kV Substation to 212°F (100°C).

Supporting

Statement:

The existing 230kV transmission line overloads under contingency.

In-Service

2024

Year:

Project Name: **OAK GROVE SWITCHING TO CHUMUCKLA 115KV CONVERSION**

Description: Construct a new 115kV transmission line from Oak Grove Switching 115kV to Chumuckla

115kV which will replace the existing 46kV transmission line.

Supporting This line will complete a 115kV network path from Wye 115kV Switching to Oak Grove

Statement: 115kV Switching to provide transmission redundancy for area delivery points.



POWERSOUTH Balancing Authority Area

In-Service

2025

Year:

Project Name: **EREC 115KV CONVERSION**

Description: This project will convert 21.36 miles of 46kV transmission to 115kV operation. Three

46kV distribution delivery points will also be upgraded to 115kV service as part of the

project.

Supporting

To support additional load growth in the area.



In-Service

2021

Year:

Project Name: DAWSON PRIMARY: GTC LINE REROUTE AND UPGRADES

Description: Construct approximately 5 miles of new 115 kV line from Greenhouse road to Cordrays

Mill. GTC will rebuild its 46 kV line from Cordrays Mill to Dawson Primary to 115 kV

operation. GPC will add a line terminal in the Dawson Primary substation.

Supporting Statement:

Mitigates overloads on the Blakely Primary -Mitchell 115kV line.

In-Service

2021

Year:

Project Name: FORTSON 500 KV RELAY REPLACEMENT

Description: Replacing breaker failure relay scheme at Fortson substation (MEAG).

Supporting Statement:

The Fortson 230 kV Relay Failure results in several thermal overloads.

In-Service

2021

Year:

Project Name: GORDON - NORTH DUBLIN 115 KV TRANSMISSION LINE REBUILD

Description: Rebuild the North Dublin - Northwest Dublin - Evergreen Church Road line sections (7.9

miles of 50°C CU 4/0) sections of the Gordon - North Dublin 115kV line using 100C 795

ACSR condutor.

Supporting

The Gordon - North Dublin 115 kV line overloads under contingency.

Statement:

In-Service 2021

Year:

Project Name: GOSHEN - VOGTLE 230 KV SECOND PILOT

Description: Add a second pilot projection scheme to the Goshen - Vogtle 230 kV line.

Supporting

Ensure the Goshen - Vogtle line is redundantly protected.



In-Service

2021

Year:

Project Name: GOSHEN 230 KV REACTORS

Description: Install a series reactor at Goshen substation.

Supporting

The Goshen - South Augusta (white) 230 kV line overloads under contingency.

Statement:

In-Service

2021

Year:

Project Name: THURMOND DAM ANTI-ISLANDING

Description: Install a second anti-islanding scheme at Thurmond Dam.

Supporting Statement:

Thurmond Dam creates an island with distribution substations under contingency.

In-Service 2021

Year:

Project Name: WADLEY PRIMARY 500/230 KV SUBSTATION

Description: Construct a new 500 kV substation on the Vogtle – Warthen 500 kV transmission line.

Install a 500/230 kV, 2016 MVA transformer that ties to the Wadley Primary 230 kV bus.

Upgrade the 230 kV bus at Wadley Primary with 2-1590 AAC.

Supporting Statement:

Project enhances area reliability.

In-Service

2022

Year:

Project Name: AUSTIN DRIVE - MORROW 115 KV TRANSMISSION LINE

Description: Rebuild approximately 7.1 miles of 100°C 336 ACSR conductor with 100°C 795 ACSR

conductor on the Austin Drive - Morrow 115 kV line.

Supporting

This project addresses Maintenance needs.



In-Service

2022

Year:

Project Name: BASSETT CREEK – ELLICOTT 230 KV TRANSMISSION LINE

Description: Construct approximately 53 miles of 1351 ACSS at 200°C from Bassett Creek TS to

Tensaw SS.

Construct approximately 8 miles of 1351 ACSS at 200°C from Calvert SS to Ellicott SS.

Supporting There are multiple transmission lines in the local area that overload under contingency.

Statement: These projects provide additional operational and maintenance flexibility which then

increases reliability.

In-Service

2022

Year:

Project Name: BAXLEY - JESUP 115KV TRANSMISSION LINE REBUILD

Description: Rebuild the Baxley - Brentwood section (14.9 miles of 100°C 4/0 ACSR Penguin

conductor), along the Baxley - Jesup 115kV line, using 100°C 795.0 ACSR Drake

conductor.

Supporting Statement:

The Baxley-Brentwood section of the line overloads under contingency in NFRC cases.

In-Service 2022

Year:

Project Name: BESSEMER – SOUTH BESSEMER 230 KV TRANSMISSION LINE

Description: Upgrade approximately 16 miles of 1033 ACSR at 100°C to 125°C from Bessemer –

South Bessemer 230 kV TL

Supporting

The Bessemer – South Bessemer 230 kV transmission line overloads under contingency.



In-Service

2022

Year:

Project Name: BILOXI CEDAR LAKE RD - OCEAN SPRINGS NE 115 KV TRANSMISSION LINE

Description: Reconductor approximately 4.3 miles from Tucker Road to Cedar Lake Road 115 kV

transmission line.

Supporting

The Biloxi Cedar Lake Road - Ocean Springs NE overloads under contingency.

Statement:

In-Service

2022

Year:

Project Name: BILOXI CEDAR LAKE ROAD DS BUS REPLACEMENT

Description: Replace the Strain bus and jumpers to the Ocean Springs 115 kV line at Biloxi Cedar Lake

Rd DS.

Supporting

Equipment at Biloxi Cedar Lake Road overloads under contingency.

Statement:

In-Service

2022

Year: Project Name:

BLAKELY PRIMARY - GEORGE DAM (USA) 115KV LINE REBUILD

Description: Rebuild 8.9 miles of 477 ACSR Hawk at 75 °C conductor from Huckleberry SS to George

Dam (USA) line section using 1351 ACSR Martin conductor at 100°C. Ensure all

substation equipment along the path of network flow matches or surpasses the rating of

the new conductor.

Supporting

Statement:

After the Blakely Primary - George Dam (USA) 115kv is split with the construction of

Huckleberry SS, the new George Dam (USA) Huckleberry 115kV line will become

overloaded under contingency.



In-Service

2022

2022

Year:

Project Name: DUNCANVILLE - SOUTH BESSEMER 230 KV TRANSMISSION LINE

Description: Upgrade approximately 27.0 miles of 1033.5 ACSR from Duncanville to South Bessemer

230 kV transmission line from 100°C to 115°C.

Supporting This transmission line overloads under contingency. Provides additional operational and

Statement: maintenance flexibility, which increases reliability.

In-Service

Year:

Project Name: EUFAULA – FORT MITCHELL 115 KV TRANSMISSION LINE RECONDUCTOR

Description: Reconductor approximately 10.0 miles of 397 ACSR of the Eufaula to Ft. Mitchell 115 kV

transmission line with 795 ACSR at 100°C.

Supporting Provides additional operational and maintenance flexibility, which increases reliability.

Statement:

In-Service 2022

Year:

Project Name: HATTIESBURG COUNTY DR – HATTIESBURG HWY 11 RECONDUCTOR

Description: Reconductor approximately 3.1 miles of the Hattiesburg Co. Drive – Hattiesburg Hwy 11

115 kV line with 795 CSR at 100°C

Supporting The Hattiesburg Co. Drive – Hattiesburg Hwy 11 115 kV line segments overloads under

Statement: contingency.

In-Service 2022

Year:

Project Name: LUMPKIN SOLAR IMPROVEMENTS

Description: Install reactors at Palmyra substation (GI-110).

Supporting The Dawson Primary - Palmyra 115 kV line overloads under contingency.



In-Service

2022

Year:

Project Name: PASS CHRISTIAN CAPACITOR BANKS

Description: Install two (2) 15 MVAR capacitor banks at Pass Christian.

Supporting Some contingencies can create low voltages along the Mississippi Gulf coast.

Statement:

In-Service

2022

Year:

Project Name: POSSUM BRANCH 230/115 KV PROJECT

Description: Construct approximately 14 miles of new 230 kV line from Possum Branch to Roopville

with 1351 ACSR conductor at 100°C. Install a 230/115 kV, 400 MVA transformer at Possum Branch with a 230 kV bus. (GPC): Construct a 230 kV a ring bus switching station

1 OSSAIN Branch with a 250 kV bas. (Grey, Construct a 250 kV a ring bas sw

at Roopville along with additional substation modifications.

Supporting

Statement:

Project is necessary to facilitate planned maintenance in the Bremen area.

In-Service

2022

Year:

Project Name: SINCLAIR DAM - WARRENTON 115 KV REBUILD

Description: Rebuild approximately 39.6 miles of 4/0 CU at 50°C conductor along the Sinclair Dam-

Warrenton Primary 115kV transmission line using 100°C 795 ACSR. Upgrade substation equipment along the path of network flow to match or surpass rating of new conductor.

Supporting

Statement:

The purpose of this project is to mitigate the risk of outages that results from aging assets and infrastructure. As part of the Capital Maintenance plan, the Company is

replacing assets that are approaching or have exceeded expected life of the asset. The conductor and poles on this line exceed 60 years of age and exceeded the Company's

expected life standard for the asset.



In-Service

2022

Year:

Project Name: SITE 'H' ENHANCED PHYSICAL SECURITY

Description: Install enhanced physical security equipment. NFRC-Driven project.

Supporting

CIP-014 Corrective Action Plan

Statement:

In-Service

2022

Year:

Project Name: WEAVER CAPACITOR BANK

Description: Install a new 115 kV, 15 MVAR capacitor bank at Weaver DS.

Supporting Low voltage in the area under contingency. This project provides voltage support under

Statement: contingency scenarios.

In-Service

2023

Year:

Project Name: BARRY NORTH MOBILE 115 KV UPGRADE

Description: Upgrade approximately 11.98 miles of 397 26/7 ACSR at 75°C to 100°C from Barry SP to

Radcliffe DS Tap.

Supporting Statement:

The Barry - North Mobile 115 kV transmission line overloads under contingency.

In-Service

2023

Year:

Project Name: BIG CREEK - ELLICOTT 230 KV UPGRADE

Description: Upgrade approximately 30.4 miles of 1351 51/19 ACSR at 75°C to 100°C from Ellicott SS

to Big Creek TS.

Supporting

The Big Creek - Ellicott 230 kV transmission line overloads under contingency.



In-Service

2023

Year:

Project Name: BONAIRE - KATHLEEN 115 KV TRANSMISSION LINE RECONDUCTOR

Description: Reconductor approximately 6 miles of the Bonaire Primary - Kathleen 115 kV

transmission line using 1351 ACSR conductor.

Supporting

The Bonaire - Kathleen 115 kV line overloads under contingency.

Statement:

In-Service

2023

Year:

Project Name: CARRIERE SW – MARION SE 230 KV TRANSMISSION LINE

Description: Construct a new approximately 33 mile, 230 kV line from Carriere SW 230/115 kV

substation to a new Marion SE 230 kV switching station with 1351 ACSS at 200°C.

Supporting

The Hattiesburg SW - Wiggins 115 kV line overloads under contingency.

Statement:

In-Service

2023

Year:

Project Name: **CENTRAL CORRIDOR SOLUTION**

Description: Rebuild approximately 97.0 miles of the West Montgomery - Greenville - Evergreen -

North Brewton 115 kV transmission line with 795 ACSS at 200°C.

Supporting Multiple sections of the central corridor overload under contingency. This project also

Statement: provides additional operational and maintenance flexibility which then increases

reliability.

In-Service

2023

Year:

Project Name: CROOKED CREEK CAPACITOR BANKS

Description: Install two new 115 kV, 15 MVAR capacitor banks at Crooked Creek TS.

Supporting Low voltage in the area under contingency. This project provides voltage support under

Statement: contingency scenarios.



In-Service

2023

Year:

Project Name: DOUGLAS - LAKE BEATRICE 115KV TRANSMISSION LINE UPGRADE

Description: Upgrade 3.4 miles of the Douglas - Lake Beatrice 115kV line 50°C 336 ACSR to 100°C

operation.

Supporting The Douglas - Lake Beatrice 115 kV transmission line becomes overloaded under

Statement: contingency.

In-Service

Year:

2023

Project Name: EAST WATKINSVILLE - RUSSELL DAM 230 KV TRANSMISSION LINE RECONDUCTOR

Description: Reconductor approximately 48.3 miles of 100°C 1351.5 ACSR/SD conductor, with 200°C

1351.5 ACCR conductor. Replace the Over Head Ground Wire.

Supporting The existing self-damping conductor has reached the end of its service life. Also, the

Statement: existing rating is exceeded under contingency in import scenarios.

In-Service

2023

Year:

Project Name: **EUFALA – GEORGE DAM – WEBB 115 KV TRANSMISSION LINE**

Description: Reconductor approximately 18.3 miles of 266 ACSR at 100 °C from Eufaula to Abbeville

TS with 795 ACSR at 100° C

Supporting Statement:

The Eufaula – Abbeville 115 kV transmission line overloads under contingency.

In-Service

2023

Year:

Project Name: FAYETTE – GOODSPRINGS 161 KV TRANSMISSION LINE

Description: Rebuild approximately 37.0 miles of 397.5 ACSR at 100°C on the Fayette to Goodsprings

161 kV transmission line, with 795 ACSS at 200°C.

Supporting

The Fayette - Goodsprings 161 kV transmission line overloads under contingency.



In-Service

2023

Year:

Project Name: GILLONVILLE - GREENHOUSE ROAD 115KV LINE

Description: Construct a new 115 kV line from Greenhouse Rd to Gillionville Substation (GTC).

Supporting

The Dawson - Palmyra 115 kV line overloads under contingency.

Statement:

In-Service

2023

Year:

Project Name: HIGHWAY 11 BROOKWOOD SOLUTION

Description: Construct approximately 6.0 miles of 795 ACSR from Vance SS to Scott Davis DS 115 kV

transmission line. Construct a new approximately 5.2 mile 115 kV transmission line from South Bessemer to Scott Davis Tap with 795 26/7 ACSR at 100°C. Construct a new approximately 4 mile 115 kV TL from Brookwood TS to Cedar Cove Tap with 795 26/7

ACSR at 100°C.

Supporting The Vance SS - South Bessemer TS 115 kV transmission line overloads under

Statement: contingency. This project also addresses voltage constraints under contingency.

In-Service 2023

Year:

Project Name: HOPE HULL AREA SOLUTION PHASE 1

Description: Construct approximately 1.8 miles of 795 ACSS 115 kV transmission line at 200°C

between Hyundai Power Transformers to a tap point on the W. Montgomery to Pintlala 115 kV transmission line. Reconductor approximately 2.7 miles of the Hope Hull Tap to

Hyundai Power Transformers 115 kV transmission line with 795 ACSS at 200°C.

Supporting

Statement:

Provides additional operational and maintenance flexibility, which increases reliability.



In-Service

2023

Year:

Project Name: KETTLE CREEK - PINE GROVE 115 KV TRANSMISSION LINE UPGRADE PHASE ONE

Description: Rebuild approximately 20.5 miles of 4/0 ACSR at 50°C to 75°C from Kettle Creek Primary

to Pearson Tap.

Supporting The Kettle Creek Primary – Pine Grove 115 kV transmission line overloads under

Statement: contingency in NFRC cases.

In-Service

2023

Year:

Project Name: KILN- BAY ST LOIUS BAYOU LACROIX 115 KV TRANSMISSION LINE REBUILD

Description: Rebuild 6.2 mile, 115 kV transmission line between Kiln and Bay St Louis Bayou LaCroix

115 kV TL.

Supporting The Kiln - Bay St Louis Bayou LaCroix 115 kV transmission line can overload under

Statement: contingency.

In-Service

2023

Year:

Project Name: MCEVER ROAD - SHOAL CREEK 115 KV TRANSMISSION LINE REBUILD - PHASE 2

Description: Rebuild approximately 2.41 miles (2-4/0 copper) of the McEver Road - College Square

section of the McEver Road - Shoal Creek 115 kV transmission line with 100C 1033 ACSR.

Supporting

Statement:

The McEver Road – Shoal Creek 115 kV transmission line overloads under contingency.

In-Service

2023

Year:

Project Name: MCGRAU FORD STATIC VARS SYSTEM INSTALLATION

Description: Install a STATCOM system at McGrau Ford substation.

Supporting Fast reactive support is needed to address FIDVR issues in North Georgia. This project

Statement: will also address high-voltage issues that occur during valley load conditions.



In-Service

2023

Year:

Project Name: NORTH SELMA – SELMA #2 115 KV TRANSMISSION LINE

Description: Rebuild ~27 miles of 397 ACSR at 100 °C of Selma TS – Vida TS 115 kV TL to 795 ACSS at

200° C

Supporting

The Selma TS – Vida TS 115 kV transmission line overloads under contingency.

Statement:

In-Service

2023

Year:

Project Name: THOMSON PRIMARY - WARRENTON PRIMARY (WHITE) 115 KV LINE RECONDUCTOR

Description: Reconductor approximately 16.8 miles of 336 ACSR at 100°C on the Thomson Primary -

Warrenton Primary 115 kV (White) transmission line with 795 ACSR at 100°C.

Supporting

The Thomson Primary - Warrenton Primary line overloads under contingency.

Statement:

In-Service 2024

Year:

Project Name: 230/115KV KINGSLAND AUTOBANK REPLACEMENT

Description: Replace 230/115kV auto-transformer bank C at Kingsland substation.

Supporting The 230/115kV auto-transformer at Kingsland overloads under contingency in certain

Statement: import scenarios

In-Service

2024

Year:

Project Name: 230/115KV PINE GROVE AUTOBANK REPLACEMENT

Description: Replace 230/115kV auto-transformer bank B at Pine Groove substation.

Supporting The 230/115kV auto-transformer at Pine Groove overloads under contingency in NFRC

Statement: cases.



In-Service

2024

Year:

Project Name: ARKWRIGHT-LLOYD SHOALS 115KV TRANSMISSION LINE

Description: Reconductor the Arkwright - Lloyd Shoals 115KV line, 35.7 miles, to 100°C ACSR 795

conductor. Upgrade substations along the path of network flow.

Supporting

The Arkwright - Lloyd Shoals 115KV line overloads under certain contingencies.

Statement:

In-Service

2024

Year:

Project Name: AVALON JUNCTION - BIO 115 KV TRANSMISSION LINE REBUILD

Description: Rebuild approximately 20.5 miles of the Avalon Junction - Bio 115 kV transmission line

(636 ACSR/795 ACSR) with 100°C 1351 ACSR and replace the terminal equipment at

various substations.

Supporting The Avalon Junction - Bio 115 kV transmission line overloads under contingency in

Statement: import scenarios.

In-Service

2024

Year:

Project Name:

BRANCH - OASIS 230KV TRANSMISSION LINE RECONDUCTOR

Description: Reconductor 35.4 miles of the Branch - Oasis 230kv line from ACSR 1351.5 100°C with

ACSS 1351 160°C. Upgrade substations along the path of network flow.

Supporting

Statement:

The Branch - Oasis 230 kV line becomes overloaded under contingency.



In-Service

2024

Year:

Project Name: **DEMOPOLIS TS – CEMEX 115 KV TRANSMISSION LINE**

Description: Construct approximately 1.0 mile of 795 ACSR 115 kV transmission line at 100°C from

Demopolis TS to Cemex Tap.

Supporting The Epes - Bellamy 115 kV TL and the Bellamy - Demopolis 115 kV TL overload under

Statement: contingency. Provides additional operational and maintenance flexibility, which

increases reliability.

In-Service

2024

Year:

Project Name: EATONTON PRIMARY - OASIS 230KV TRANSMISSION LINE RECONDUCTOR

Description: Reconductor 25.6 miles of the Eatonton Primary - Oasis 230kv line from ACSR 1351.5

100°C with ACSS 1351 160°C.

Supporting

The Eatonton Primary - Oasis 230kV line becomes overloaded under contingency.

Statement:

In-Service

2024

Year:

Project Name:

ELLICOTT SUBSTATION EXPANSION PROJECT

Description: Relocate six existing 115 kV transmission lines to a new 115 kV substation.

Supporting Upgrade existing and construct new transmission facilities to provide additional

Statement: operational and maintenance flexibility, which increases reliability.



SERTP TRANSMISSION PROJECTS SOUTHERN Balancing Authority Area

In-Service

2024

Year:

Project Name: **HEARD COUNTY - TENASKA 500KV TRANSMISSION LINE**

Description: Construct a new Heard County - Tenaska 500KV transmission line

Supporting To minimize the system impact caused by ELG retirements and improve the system Statement:

reliability, this project has been proposed as the most cost effective solution which

solves multiple.

In-Service

2024

2024

Year:

JESUP - LUDOWICI 115KV TRANSMISSION LINE RECONDUCTOR Project Name:

Reconductor 2.6 miles of the Jesup - Ludowici 115kV line of 100°C 336.4 ACSR with Description:

100°C 795 ACSR conductor.

Supporting Statement: The Jesup - Ludowici 115 kV transmission line overloads under contingency.

In-Service

Year:

JESUP - OFFERMAN 115 KV TRANSMISSION LINE RECONDUCTOR Project Name:

Description: Reconductor approximately 17.7 miles of 4/0 ACSR at 100°C on the Jesup - Offerman

115 kV transmission line with 795 ACSR 100°C.

Supporting

The Jesup - Offerman 115 kV transmission line overloads under contingency.



In-Service

2024

Year:

Project Name: LAFAYETTE - ROANOKE 115 KV UPGRADE

Description: Phase 1: Upgrade approximately 2.5 miles 397 ACSR to 100° C from City of Lafayette No.

1 to Lafayette TS.

Phase 2: Upgrade approximately 12.2 miles from Lafayette TS - Roanoke TS & ~4.5 miles

Roanoke TS - East Roanoke SS 115 kV TL 397 ACSR to 125° C.

Supporting

The LaFayette to Roanoke 115 kV transmission line overloads under contingency.

Statement:

In-Service

Year:

2024

Project Name:

LUCEDALE - VESTRY TAP 115 KV TRANSMISSION LINE REBUILD

Description:

Rebuild approximately 18 miles on the Lucedale - Vestry Tap 115 kV line segment with

795 ACSR at 100°C.

Supporting

The Lucedale - Vestry Tap 115 kV line overloads under contingency.

Statement:

In-Service

2024

Year:

Project Name:

MITCHELL - NORTH TIFTON 230 KV RECONDUCTOR

Description:

Reconductor approximately 35.2 miles of the Mitchell - North Tifton 230 kV transmission

line with 1351 ACSR at 100°C.

Supporting

The Mitchell - North Tifton 230 kV line overloads under contingency.

Statement:

In-Service

2024

Year:

Project Name: PA

PALMYRA REACTOR REMOVAL

Description:

Remove reactor at Palmyra.

Supporting

Permanent solution renders reactor no longer needed.



In-Service

2024

Year:

Project Name: PICAYUNE – CARRIERE SW 115 KV REBUILD

Description: Rebuild approximately 4.3 mile, 115 kV line between Carriere SW and Picayune 115 kV

substations with 1033.5 ACSR at 100°C.

Supporting

The Carriere SW – Picayune 115 kV line overloads under contingency.

Statement:

In-Service

2024

Year:

Project Name: SOUTH BIRMINGHAM 115 KV PROJECT

Description: Construct a 115 kV switching station (Lakeshore SS) between Bessemer TS and Magella

TS that loops in the existing Bessemer to Magella 115 kV transmission line and the North Helena to Patton Chapel 115 kV transmission line. Construct another 115 kV switching station (Massey Road SS) by expanding Massey Road DS and looping in the South

Jefferson to North Helena 115 kV transmission line.

Supporting Statement:

Provides additional operational and maintenance flexibility, which increases reliability.

In-Service 2025

Year:

Project Name: ALBERTA CITY - HOLT 115 KV TL RECONDUCTOR

Description: Reconductor approximately 4 miles of 795 ACSR at 100°C on the Alberta City - Holt 115

kV transmission line to 795 ACSS at 200°C.

Supporting

The Alberta City - Holt 115 kV line overloads under contingency.



In-Service

2025

Year:

Project Name: BASSETT CREEK – THOMASVILLE 115 KV TRANSMISSION LINE

Description: Upgrade approximately 11.3 miles of 397.5 ACSR from Bassett Creek to Thomasville 115

kV transmission line from 75°C to 125°C.

Supporting

The Bassett Creek to Thomasville 115 kV transmission line overloads under contingency.

Statement:

In-Service

2025

Year:

Project Name: BLANKETS CREEK – WOODSTOCK 115 KV TRANSMISSION LINE REBUILD

Description: Rebuild approximately 2.5 miles of the Blankets Creek – Woodstock 115 kV transmission

line with 1351 ACSR conductor at 100°C.

Supporting

The Blankets Creek – Woodstock 115 kV transmission line overloads under contingency.

Statement:

In-Service

2025

Year:

Project Name: ECHECONNEE - WELLSTON 115KV TRANSMISSION LINE RECONDUCTOR

Description: Reconductor 1.2 miles of the Echeconnee - Wellston 115KV line of 100°C 636 ACSR with

100°C 1033 ACSR

Supporting

The Echeconnee - Wellston 115kv line overloads under contingency.

Statement:

In-Service

2025

Year:

Project Name: GULFPORT LANDON – COOPERATIVE ENERGY LANDON TAP 115 KV TRANSMISSION LIN

Description: Rebuild approximately 5.5 mile, 115 kV transmisson line between Gulfport Landon

substation and Coopertive Energy's Landon Tap with 1351 ACSR at 100°C.

Supporting

The Gulfport Landon - Coopertive Energy's Landon Tap 115 kV overloads under

Statement: contingency.



In-Service

2025

Year:

Project Name: JORDAN DAM - NORTH SELMA 115 KV TL RECONDUCTOR

Description: Reconductor approximately 24 miles of 397 ACSR 115 kV TL with 795 ACSS at 200°C

between Jordan Dam & Vida TS.

Supporting The Jordan Dam - North Selma 115 kV transmission line overloads under contingency.

Statement: This project also provides additional operational and maintenance flexibility which then

increases reliability.

In-Service

2025

Year:

Project Name: LITTLE OGEECHEE REDUNDANT RELAY INSTALLATION

Description: Add a redundant relay scheme at Little Ogeechee 230 kV substation.

Supporting the Jesup - Offerman 115 kV line overloads under contingency.

Statement:

In-Service

Year:

2025

Project Name:

LUMBERTON - POPARVILLE 115 KV TRANSMISSION LINE REBUILD

Description: Rebuild approximately 12.5 mile, 115 kV transmission line between Lumberton and

Poplarville 115 kV substations with 1033.5 ACSR at 100°C.

Supporting

The Lumberton – Poplarville 115 kV transmission line overloads under contingency.

Statement:

In-Service 2025

Year:

Project Name: SILVERHILL TS 3RD AUTOBANK

Description: Add 3rd 230/115 kV Autobank at Silverhill TS during infrastructure project.

Supporting

The Silverhill 230/115 kV autobank overloads under contingency.



In-Service

2026

Year:

Project Name: BESSEMER – SOUTH BESSEMER 115 KV TRANSMISSION LINE

Description: Reconductor ~2 miles of 115 kV TL from McAdory Tap – Airport Lane Tap from 397 ACSR

to 795 ACSR 26/7 at 100C

Supporting

The Bessemer - South Bessemer 115 kV transmission line overloads under contingency.

Statement:

In-Service

2026

Year:

Project Name: BULL CREEK - VICTORY DRIVE 115KV TRANSMISSION LINE REBUILD

Description: Rebuild approximately 2.45 miles of 100°C ACSR 336.4 to 100°C ACSR 795 of the Bull

Creek - Victory Drive 115 KV line

Supporting

The Bull Creek - Victory Drive 115KV line overloads under certain contingencies.

Statement:

In-Service

2026

Year:

Project Name: FULLER ROAD - COLUMBUS FIRST AVE 115 KV TL RECONDUCTOR

Description: Reconductor approximately 3 miles of 397 ACSR 115 kV TL at 100°C to 795 ACSR at

100°C from Columbus First Ave to Phenix Lumber.

Supporting The Fuller Road - Columbus First Avenue 115 kV transmission line overloads under

Statement: contingency.



In-Service

2026

Year:

Project Name: GADSDEN – GULF STATES STEEL 115 KV TRANSMISSION LINE

Description: (1.) Reconductor approximately 2.5 miles 397 26/7 ACSR to 795 ACSR 267/ from Gulf

States Steel to Morgan's Crossroads. (2.) Replace Gulf States Steel DS with a new 5-terminal, 4-breaker 115 kV ring bus SS across the street from the existing substation.

(3.) Rebuild Praxair DS (115/6.9 kV) and connect it to the ring via a single terminal.

Supporting

The Gulf States Steel to Morgan's Crossroads 115 kV transmission line overloads under

Statement: contingency.

In-Service

2026

Year:

Project Name: JORDAN DAM - MARTIN DAM 115 KV TL (LINE B)

Description: Reconductor approximately 21 miles of 397 ACSR with 795 ACSS at 200°C between

Jordan Dam and Martin Dam 115 kV TL (Line B).

Supporting Provides additional operational and maintenance flexibility which then increases

Statement: reliability.

In-Service

2026

Year:

Project Name: LEEDS TS – MOODY SS 115 KV TRANSMISSION LINE RECONDUCTOR

Description: Reconductor approximately 5.0 miles of 795 ACSR at 100°C with 1033.5 ACSS at 200°C.

Supporting

The Leeds to Moody 115 kV transmission line overloads under contingency.



SERTP TRANSMISSION PROJECTS SOUTHERN Balancing Authority Area

In-Service

2026

Year:

Project Name: **MILLER - GORGAS 230 KV TL UPGRADE**

Description: Upgrade approximately 16 miles of 1351 54/19 ACSR at 100° to 125°C on the Miller -

Gorgas 230 kV transmission line.

Supporting

This line overloads under contingency.

Statement:

In-Service 2026

Year:

Project Name: **MOBILE AREA NETWORKING – 3RD PATH**

Description: Construct a new substation at Dawes Tap on the Big Creek to N. Theodore 115 kV

> transmission line. Reconductor approximately 4.0 miles of 115 kV transmission line from Lott Road to Schillinger Road with 795 ACSS at 200°C. Reconductor approximately 6.3 miles of 115 kV transmission line from North Mobile to Michael Blvd with 397 ACSS at

200°C.

Supporting

Provides additional operational and maintenance flexibility, which increases reliability.

Statement:

In-Service 2026

Year:

MOSS POINT EAST - PASCAGOULA BAYOU CASOTTE 115 KV TRANSMISSION LINE Project Name:

Description: Construct approximately 2.7 miles of new 1033.5 ACSR 115 kV transmission line at

100°C from Moss Point East and connect into the existing BP Amoco to Pascagoula

Bayou Cassotte 115 kV transmission line.

Supporting

The Moss Point East to Pascagoula MS Chemical 115 kV transmission line overloads

Statement: under contingency.



In-Service

2026

Year:

Project Name: NORTH MARIETTA – SMYRNA (BLACK & WHITE) 115 KV TRANSMISSION LINE RECONDU

Description: Reconductor approximately 2.4 miles of the North Marietta – Lockheed Martin Tap

section of the North Marietta - Smyrna Black and White 115 kV transmission lines with

657 ACSR at 100°C. (2.4 miles on each line).

Supporting

The North Marietta - Smyrna Black and White 115 kV transmission lines overload under

Statement: contingency.

In-Service

2026

Year:

Project Name: NORTH THEODORE AREA PROJECT

Description: Construct approximately 5.3 miles of new 115 kV transmission line to the Praxair Tap

from North Theodore and add a switching station near Multistate CU. Reconductor approximately 1.0 mile of the Hollinger's Island DS – Holcim CU 115 kV transmission line

to 795 ACSR at 100°C.

Supporting Statement:

Provides additional operational and maintenance flexibility, which increases reliability.

In-Service

Project Name:

2026

Year:

SOUTH BESSEMER 500/230 AUTOBANK

Description: Add a second 500/230 kV autobank at South Bessemer TS

Supporting Low voltage in the area under contingency. This project provides voltage support under

Statement: contingency scenarios.



In-Service

2027

Year:

Project Name: BARRY – WADE 230 KV TRANSMISSION LINE

Description: Loop in the Barry – Wade 230kV TL into the Ellicott SS.

Supporting

Provides additional operational and maintenance flexibility, which increases reliability.

Statement:

In-Service

2027

Year:

Project Name: CORN CRIB - LAGRANGE 115KV LINE REBUILD

Description: Rebuild approximately 4.6 miles of 100°C 477 ACSR with 100°C 795 ACSR line conductor

on the Corn Crib - Lagrange Primary 115kV.

Supporting

The Corn Crib - Lagrande Primary 115kV line overloads under contingency.

Statement:

In-Service

2027

Year:

Project Name: DAWSON CROSSING - NELSON (WHITE) 115 KV LINE REBUILD

Description: Rebuild approximately 14 miles of 336 ACSR the Dawson Crossing - Nelson (White) 115

kV line from Dawson Crossing - Reavis Mountain using 100°C 795 ACSR Drake.

Supporting Statement:

The Dawson Crossing - Nelson (White) 115 kV line overloads under contingnecy.

In-Service

2027

Year:

Project Name: ENTERPRISE TS – PINCKARD #2 115 KV TRANSMISSION LINE

Description: Reconductor ~7.5 miles of 266 ACSR at 100 °C of the Enterprise to Daleville DS to 795

ACSR at 100° C

Supporting

Provides additional operational and maintenance flexibility, which increases reliability.



In-Service

2027

Year:

Project Name: ROCKY RIDGE RADIAL 115 KV TRANSMISSION LINE

Description: Reconductor ~0.5 miles of 115 kV TL from Rocky Ridge Tap to Rocky Ridge DS from 4/0

ACSR at 50C to 795 ACSR 26/7 at 100C

Supporting

Provides additional operational and maintenance flexibility, which increases reliability.

Statement:

In-Service

2028

Year:

Project Name: ANNISTON - CROOKED CREEK 115 KV TL

Description: Reconductor approximately 28 miles of 397 30/7 ACSR to 795 26/7 ACSR from Golden

Springs DS to Crooked Creek TS 115 kV transmission line

Supporting Statement:

The Anniston - Crooked Creek 115 kV transmission line overloads under contingency.

In-Service

2028

Year:

Project Name: CAPITOL HEIGHTS – CARTER HILL RD 115 KV TRANSMISSION LINE

Description: Reconductor ~2.5 miles of 556 AAC at 75°C from Capitol Heights – Carter Hill Rd to 795

ACSR at 100°C

Supporting

Provides additional operational and maintenance flexibility, which increases reliability.

Statement:

In-Service

Year:

2028

Project Name: FLOMATON 230/115 KV SUBSTATION

Description: Construct a new Flomaton 230/115 kV, 480 MVA transformer at Flomaton TS and

reconductor approximately 16.0 miles of 795 ACSR at 100°C from N. Brewton –

Flomaton 115kV with 795 ACSS at 200°C.

Supporting Provides additional operational and maintenance flexibility, which increases reliability.

Statement: This project also provides voltage support under contingency scenarios.



In-Service

2028

Year:

Project Name: MILLER SP 500 KV SERIES BREAKER

Description: Install 500 kV series breaker between Miller – Clay 500 kV TL and Miller – East Point

(TVA) TL at Miller SP

Supporting The Boyles - Miller 230 kV transmission line and the Red Mountain - East Birmingham

Statement: 115 kV TL overloads under contingency. Also Provides additional operational and

maintenance flexibility, which increases reliability.

In-Service

2028

Year:

Project Name: NELSON 230/115 KV AUTOBANK REPLACEMENT

Description: Replace both existing 230/115 kV autotransformers at Nelson substation with two new

300 MVA 230/115 kV autotransformers.

Supporting

The existing 230/115 kV autobanks overload under contingency.

Statement:

In-Service

2030

Year:

Project Name: I

BONAIRE PRIMARY - ECHECONNEE 115KV TRANSMISSION LINE

Description: Reconductor 2.3 miles of the Bonaire Primary - Echeconnee 115KV line of 100°C ACSR

636 to 100°C ACSR 795 conductor

Supporting

The Bonaire Primary - Echeconnee 115KV line becomes overloaded under certain

Statement:

contingencies.



In-Service

2030

Year:

Project Name: DOUGLASVILLE - WEST MARIETTA 115KV REBUILD

Description: Rebuild 2.3 miles of the Douglasville - Lithia Springs line section of Douglasville - North

Marietta 115kV line from 100°C 477.0 ACSR to 100°C 795 ACSR.

Supporting

The Douglasville - West Marietta 115kV line becomes overloaded under contingency.

Statement:

In-Service

2030

2030

Year:

Project Name: **DOUGLASVILLE - WEST MARIETTA 115KV REBUILD**

Description: Rebuild 2.3 miles of the Douglasville - Lithia Springs line section of Douglasville - North

Marietta 115kV line from 100°C 477.0 ACSR to 100°C 795 ACSR.

Supporting

The Douglasville - West Marietta 115kV line becomes overloaded under contingency.

Statement:

In-Service

Year:

Project Name: DOUGLASVILLE - WEST MARIETTA 115KV REBUILD

Description: Rebuild 2.3 miles of the Douglasville - Lithia Springs line section of Douglasville - North

Marietta 115kV line from 100°C 477.0 ACSR to 100°C 795 ACSR.

Supporting

The Douglasville - West Marietta 115kV line becomes overloaded under contingency.

Statement:

In-Service

2030

Year:

Project Name: PELL CITY AREA SOLUTION

Description: Construct new Pell City Industrial Park SS and new approximately 10 mile 115 kV TL from

Pell City Industrial Park SS – Jackson Shoals TS utilizing 795 26/7 ACSR @ 100°C. Convert

East Pell City DS and 25th Street DS to 115 kV

Supporting Low voltage and thermal constraints in the area under contingency. This project

Statement: provides additional operational and maintenance flexibility, which increases reliability.



SERTP TRANSMISSION PROJECTS

SOUTHERN Balancing Authority Area

In-Service

2030

Year:

Project Name: UNION SPRINGS - PINCKARD 115 KV TRANSMISSION LINE

Description: Rebuild ~8.1 miles of 397 ACSR of the Pinckard – Ewell SS 115 kV TL from 397 ACSR at

49°C to 795 ACSR at 100° C. Reconductor ~50 miles of 397 ACSR at 50 °C Union Springs –

Ewell 115 kV TL to 795 ACSR at 100° C

Supporting The Union Springs - Pinckard 115 kV TL overloads under contingency. Provides additional

Statement: operational and maintenance flexibility, which increases reliability.

In-Service

rvice 2031 Year:

Project Name: ALEX CITY AREA SOLUTION

Description: Construct new West Alex City SS and upgrade approximately 34 miles from Sylacauga TS

to Willow Point DS 115 kV TL 397.5 30/7 ACSR at 75°C to 100°C. Construct new West Dadeville TS networking Alex City, Crooked Creek – Martin Dam No. 2, and Thweatt. Reconductor ~4.52 miles from new West Alex City SS to City of Alex City #3 with 795

45/7 ACSR at 100°C

Supporting The Martin Dam – Sylacauga 115 kV transmission line overloads under contingency.

Statement: Provides additional operational and maintenance flexibility, which increases reliability.

In-Service

2031

Year:

Project Name: HOPEWELL 230/115 KV AUTOBANK

Description: Replace the 280 MVA 230/115 kV autobank at Hopewell with a 400MVA bank.

Supporting

The Hopewell 230/115kV autobank A overloads under contingency.



In-Service 2031

Year:

Project Name: NORTH BAY MINETTE AREA SOLUTION

Description: Construct a new substation at Bay Minette Tap and upgrade approximately 12.4 miles of

the Bay Minette DS to Steelwood 115 kV transmission line to 100°C.

Supporting Provides additional operational and maintenance flexibility, which increases reliability.



SERTP TRANSMISSION PROJECTS

TVA Balancing Authority Area

In-Service

2021

Year:

Project Name: ATHENS, TN 161KV SUBSTATION

Description: Upgrade bus work and terminal equipment at the Athens, TN 161 kV substation to 836

MVA.

Supporting

The terminal equipment and bus work at Athens TN 161 kV overloads under contingency.

Statement:

In-Service

2021

Year:

Project Name: COUNCE, TN 161 KV SUBSTATION

Description: Convert Counce 161 kV switchyard to a double breaker arrangement. Loop existing

Pickwick to Tri State Commerce Park 161 kV transmission line into Counce 161 kV

station.

2021

Supporting Statement:

Additional voltage support is needed in the Counce, TN area under contingency.

In-Service

Year:

Project Name:

MOSCOW - CHICKASAW TRAILS 161 KV TRANSMISSION LINE

Description: Construct the Chickasaw Trails 161 kV Substation and the Diffee 161 kV Substation.

Construct approximately 17.0 miles for new Chickasaw Trails - Moscow 161 kV transmission line with 954 ACSR at 100°C. Loop existing Miller – Holly Springs 161 kV

transmission line into the Chickasaw Trails substation.

Supporting

Additional thermal capacity and voltage support is needed in the Olive Branch and

Statement: Chickasaw Trails area under contingency.



SERTP TRANSMISSION PROJECTS

TVA Balancing Authority Area

In-Service

2022

Year:

Project Name: ARTESIA - W. COLUMBUS 161 KV TRANSMISSION LINE

Description: Construct the Artesia 161 kV Substation. Construct approximately 12.0 miles for

Artesia - W. Columbus with 954 ACSS at 150°C. Reconductor approximately 15.0 miles

of W. Point - Starkville 161 kV with 954 ACSS at 150°C.

Supporting Additional thermal capacity and voltage support is needed in the West Point and

Statement: Columbus area under contingency.

In-Service

2022

Year:

Project Name: KNOX - DOUGLAS 161 KV TRANSMISSION LINE

Description: Rebuild approximately 11.0 miles of the Knox – Douglas 161 kV transmission line with

954 ACSS at 125°C.

Supporting

The Knox – Douglas 161 kV transmission line overloads under contingency.

Statement:

In-Service

2022

Year:

Project Name: PHIPPS BEND 500 KV SUBSTATION

Description: Rebuild structures with weathered steel in the Phipps Bend 500 and 161 kV yard.

Supporting Steel structures in the Phipps Bend 500 kV and 161 kV yards are beginning to show signs

Statement: of corrosion and will be replaced.



TVA Balancing Authority Area

In-Service

2023

Year:

Project Name: ALCOA SS – NIXON ROAD 161 KV TRANSMISSION LINE

Description: Rebuild approximately 12.0 miles of the Alcoa North – Nixon Road 161 kV transmission

line with 1590 ACSR at 100°C and construct approximately 2.0 miles of new transmission

line to create the Alcoa SS – Nixon Rd 161 kV #2 transmission line.

Supporting The Alcoa Switching Station – Nixon Road 161 kV transmission line overloads under

Statement: contingency.

In-Service

2023

Year:

Project Name: ANDERSON 500 KV SUBSTATION

Description: Build new Anderson 500kV Substation and build Anderson 500/161 kV transformer.

Supporting 500/161 kV transformer in the area overloads under contingency.

Statement:

In-Service

Year:

2023

Project Name:

GALLATIN - CAIRO BEND 161 KV TRANSMISSION LINE

Description: Reconductor approximately 2.2 miles of the Gallatin - Cairo Bend 161 kV transmission

line section with 954 ACSS at 150°C and upgrade terminal equipment to 440 MVA at

Gallatin 161 kV.

Supporting

The Gallatin FP - Cairo Bend 161 kV transmission line section overloads under

Statement:

contingency.



SERTP TRANSMISSION PROJECTS

TVA Balancing Authority Area

In-Service

2023

Year:

Project Name: LIMESTONE - SEWELL 161 KV #2 TRANSMISSION LINE

Description: Construct approximately 2.1 miles of 161 kV transmission line with 2034 ACSR at 100°C

on the existing Limestone - Sewell 161 kV double circuit towers.

Supporting Additional thermal capacity and voltage support is needed in the Huntsville, AL area

Statement: under contingency.

In-Service

2023

Year:

Project Name: WILSON - LEBANON 161 KV TRANSMISSION LINE

Description: Rebuild approximately 6.0 miles on the Wilson - Lebanon 161 kV transmission line with

636 ACSR at 100°C and upgrade terminal equipment to 230 MVA at Lebanon 161 kV

substation.

Supporting

The Wilson - Lebanon 161 kV transmission line overloads under contingency.

Statement:

In-Service

2024

Year:

Project Name: NORTH DAYTON 161 KV TRANSMISSION LINE

Description: Construct North Dayton 161 kV substation. Loop in Sequoyah - WBHP 161 kV

transmission line into new substation by constructing approximately 27.0 miles of

transmission line using 1351 ACSR.

Supporting Additional thermal capacity and voltage support is needed in the North Dayton, TN area

Statement: under contingency.



TVA Balancing Authority Area

In-Service

2024

Year:

Project Name: NORTH OAKLAND - COFFEEVILLE 161 KV TRANSMISSION LINE

Description: Construct approximately 18.0 miles of new 161 kV transmission line from North

Oakland - Coffeeville using 954 ACSR at 100°C and upgrade terminal equipment to 472

MVA at Batesville 161 kV substation.

Supporting

Multiple 161 kV transmission lines overload under contingency.

Statement:

In-Service

2025

Year:

Project Name: DICKSON 161 KV AREA IMPROVEMENT

Description: Construct approximately 19.5 miles of new 161 kV transmission line from Bon Aqua to

Burns, construct approximately 4.3 miles new 161 kV double circuit into Dickson, and

construct a new Locust Creek 161 kV Substation.

Supporting

Voltage support is needed in the Dickson, TN area under contingency.

Statement:

In-Service 2026

Year:

Project Name: DAVIDSON 500 KV SWITCH HOUSE

Description: Construct a new 500 kV switch house with all new assets and replace aging assets in the

Davidson Yard.

Supporting Additional thermal capacity and voltage support is needed in the Davidson County, TN

Statement: area under contingency.



TVA Balancing Authority Area

In-Service

2026

Year:

Project Name: MIDWAY - S MACON - DEKALB 161 KV TRANSMISSION LINE

Description: Construct approximately 20 miles new 161 kV transmission line from Midway to S

Macon and approximately 31.3 miles new 161 kV transmission line from S Macon to

Dekalb via Scooba.

Supporting

Voltage support is needed in TVA's Mississippi area under contingency.

Statement:



Appendix 1: AECI BAA

The following information provides a more granular overview of the AECI BAA input assumptions and transmission expansion plan that are incorporated in the development of the SERTP regional transmission plan.

Table A1.1: 2021 SERTP Regional Transmission Plan – Transmission Project Snapshot by operating voltage (AECI BAA)

| 8 | | | , , | J L | 0 0 | |
|---|---------|---------|---------|---------|---------|---------|
| AECI BAA | 100-120 | 121-150 | 151-199 | 200-299 | 300-399 | 400-550 |
| | kV | kV | kV | kV | kV | kV |
| Transmission lines — New (Circuit Mi.) | | | | | | |
| Transmission Lines — Uprates ¹ (Circuit Mi.) | | | | | | |
| Transformers ² - New | | - | | | - | - |
| Transformers ² - Replacements | | | | | | |

¹A transmission line uprate may be the result of reconductoring and/or increasing the operating temperature/voltage along the transmission line.

Table A1.2: Interface commitments¹ modeled in the SERTP Summer Peak models – AECI BAA

| То | 2023 | 2026 | 2031 |
|-------|-------|-------|-------|
| SPP | -623 | -623 | -623 |
| MISO | -540 | -543 | -543 |
| Total | -1163 | -1166 | -1166 |

¹A positive number represents a net export from the AECI BAA

²The voltages shown represent the operating voltages on the high side terminals of the transformer

A detailed listing of the changes in generation assumptions within the AECI BAA throughout the ten (10) year planning horizon, including the year(s) in which they occur, is provided in Table A1.3 below. Table A1.4 provides a listing of generation assumptions based upon long-term, firm point-to-point commitments. The capacity (MW) values shown for each year reflect summer peak conditions. Table A1.5 provides a listing of all generators modeled in the 2023 Version 2 Summer Peak powerflow model.

Table A1.3: Changes in Generation Assumptions Based Upon LSEs – AECI BAA

| | | | L | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|
| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
| | | | | None | | | | | | |

Table A1.4: Generation Assumptions Based Upon Expected Long-term, Firm Point-to-Point Commitments – AECI BAA

| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|------|------|------|------|------|------|------|------|------|------|------|

None

Table A1.5: Generating Units Modeled in the 2023 Version 2 Summer Peak Powerflow Model - AECI BAA

| Plant | Unit | Bus# | Bus Name | Pmax (MW) |
|----------------|------|--------|------------------|-----------|
| ThomasHill | 1 | 300001 | 1THLG1 20.000 | 177 |
| ThomasHill | 1 | 300002 | 1THLG2 22.000 | 285 |
| ThomasHill | 1 | 300003 | 1THLG3 24.000 | 748 |
| NewMadrid | 1 | 300006 | 1NM G1 22.000 | 618.34 |
| NewMadrid | 1 | 300007 | 1NM G2 22.000 | 614.6 |
| BluegrassRidge | 1 | 300008 | 1GNTRYG1 0.6000 | 56.7 |
| CowBranch | 1 | 300009 | 1ACHSNG1 0.6000 | 50.4 |
| StFrancis | 1 | 300010 | 1STFRG1 16.000 | 218 |
| StFrancis | 1 | 300011 | 1STFRG2 16.000 | 224.87 |
| Holden | 1 | 300012 | 1HOLDNG11 13.800 | 107.17 |
| Holden | 1 | 300013 | 1HOLDNG12 13.800 | 110.18 |
| Holden | 1 | 300014 | 1HOLDNG13 13.800 | 108.16 |
| Chouteau | 1 | 300020 | 1CHOTCT4 16.000 | 152.96 |
| Chouteau | 1 | 300021 | 1CHOTCT5 16.000 | 152.96 |

| Chouteau 1 300024 1CHOTST6 16.000 172.08 Nodaway 1 300025 1NDWYG1 13.800 93.11 Nodaway 1 300026 1NDWYG2 13.800 93.11 WestPlains 1 300027 1WPLCTG1 13.800 22 WestPlains 1 300028 1WPLCTG2 13.800 22 Essex 1 300029 1ESSEXG 13.800 105.13 Chouteau 1 300031 1CHOTST3 16.000 155.72 Chouteau 1 300032 1CHOTCT1 16.000 151.14 Chouteau 1 300033 1CHOTCT2 16.000 151.14 Conception 1 300273 1CLYDEG1 0.6000 50.4 LostCreek 1 301358 1WINSLOWG1 0.6900 168 Osage 1 301449 2MTPLAD 69.000 24 WhiteCloud 1 301493 1CLEARCKG1 0. | | | | | |
|--|------------|---|--------|--------------------|--------|
| Nodaway 1 300026 1NDWYG2 13.800 93.11 WestPlains 1 300027 1WPLCTG1 13.800 22 WestPlains 1 300028 1WPLCTG2 13.800 22 Essex 1 300029 1ESSEXG 13.800 105.13 Chouteau 1 300031 1CHOTST3 16.000 155.72 Chouteau 1 300032 1CHOTCT1 16.000 151.14 Chouteau 1 300033 1CHOTCT2 16.000 151.14 Conception 1 300273 1CLYDEG1 0.6000 50.4 LostCreek 1 301358 1WINSLOWG1 0.6900 168 Osage 1 301382 1OSAGEWINDG10.6900 150 MtPleasant 1 301449 2MTPLAD 69.000 24 WhiteCloud 1 301490 1WHITCLDG1 0.6900 121 ClearCreek 1 301493 1CLEARCKG1 0.6900 | Chouteau | 1 | 300024 | 1CHOTST6 16.000 | 172.08 |
| WestPlains 1 300027 1WPLCTG1 13.800 22 WestPlains 1 300028 1WPLCTG2 13.800 22 Essex 1 300029 1ESSEXG 13.800 105.13 Chouteau 1 300031 1CHOTST3 16.000 155.72 Chouteau 1 300032 1CHOTCT1 16.000 151.14 Chouteau 1 300033 1CHOTCT2 16.000 151.14 Conception 1 300273 1CLYDEG1 0.6000 50.4 LostCreek 1 301358 1WINSLOWG1 0.6900 168 Osage 1 301382 1OSAGEWINDG10.6900 150 MtPleasant 1 301449 2MTPLAD 69.000 24 WhiteCloud 1 301490 1WHITCLDG1 0.6900 214.5 ClearCreek 1 301493 1CLEARCKG1 0.6900 99 WhiteCloud 2 301585 1WHITCLDG2 0.6900 </td <td>Nodaway</td> <td>1</td> <td>300025</td> <td>1NDWYG1 13.800</td> <td>93.11</td> | Nodaway | 1 | 300025 | 1NDWYG1 13.800 | 93.11 |
| WestPlains 1 300028 1WPLCTG2 13.800 22 Essex 1 300029 1ESSEXG 13.800 105.13 Chouteau 1 300031 1CHOTST3 16.000 155.72 Chouteau 1 300032 1CHOTCT1 16.000 151.14 Chouteau 1 300033 1CHOTCT2 16.000 151.14 Conception 1 300273 1CLYDEG1 0.6000 50.4 LostCreek 1 301358 1WINSLOWG1 0.6900 168 Osage 1 301382 1OSAGEWINDG10.6900 150 MtPleasant 1 301449 2MTPLAD 69.000 24 WhiteCloud 1 301493 1CLEARCKG1 0.6900 214.5 ClearCreek 1 301512 1CLEARCKG2 0.6900 99 WhiteCloud 2 301585 1WHITCLDG2 0.6900 22 | Nodaway | 1 | 300026 | 1NDWYG2 13.800 | 93.11 |
| Essex 1 300029 1ESSEXG 13.800 105.13 Chouteau 1 300031 1CHOTCT3 16.000 155.72 Chouteau 1 300032 1CHOTCT1 16.000 151.14 Chouteau 1 300033 1CHOTCT2 16.000 151.14 Conception 1 300273 1CLYDEG1 0.6000 50.4 LostCreek 1 301358 1WINSLOWG1 0.6900 168 Osage 1 301382 1OSAGEWINDG10.6900 150 MtPleasant 1 301449 2MTPLAD 69.000 24 WhiteCloud 1 301490 1WHITCLDG1 0.6900 214.5 ClearCreek 1 301493 1CLEARCKG1 0.6900 121 ClearCreek 1 301512 1CLEARCKG2 0.6900 99 WhiteCloud 2 301585 1WHITCLDG2 0.6900 22 | WestPlains | 1 | 300027 | 1WPLCTG1 13.800 | 22 |
| Chouteau 1 300031 1CHOTST3 16.000 155.72 Chouteau 1 300032 1CHOTCT1 16.000 151.14 Chouteau 1 300033 1CHOTCT2 16.000 151.14 Conception 1 300273 1CLYDEG1 0.6000 50.4 LostCreek 1 301358 1WINSLOWG1 0.6900 168 Osage 1 301382 1OSAGEWINDG10.6900 150 MtPleasant 1 301449 2MTPLAD 69.000 24 WhiteCloud 1 301490 1WHITCLDG1 0.6900 214.5 ClearCreek 1 301493 1CLEARCKG1 0.6900 121 ClearCreek 1 301512 1CLEARCKG2 0.6900 99 WhiteCloud 2 301585 1WHITCLDG2 0.6900 22 | WestPlains | 1 | 300028 | 1WPLCTG2 13.800 | 22 |
| Chouteau 1 300032 1CHOTCT1 16.000 151.14 Chouteau 1 300033 1CHOTCT2 16.000 151.14 Conception 1 300273 1CLYDEG1 0.6000 50.4 LostCreek 1 301358 1WINSLOWG1 0.6900 168 Osage 1 301382 1OSAGEWINDG10.6900 150 MtPleasant 1 301449 2MTPLAD 69.000 24 WhiteCloud 1 301490 1WHITCLDG1 0.6900 214.5 ClearCreek 1 301493 1CLEARCKG1 0.6900 121 ClearCreek 1 301512 1CLEARCKG2 0.6900 99 WhiteCloud 2 301585 1WHITCLDG2 0.6900 22 | Essex | 1 | 300029 | 1ESSEXG 13.800 | 105.13 |
| Chouteau 1 300033 1CHOTCT2 16.000 151.14 Conception 1 300273 1CLYDEG1 0.6000 50.4 LostCreek 1 301358 1WINSLOWG1 0.6900 168 Osage 1 301382 1OSAGEWINDG10.6900 150 MtPleasant 1 301449 2MTPLAD 69.000 24 WhiteCloud 1 301490 1WHITCLDG1 0.6900 214.5 ClearCreek 1 301493 1CLEARCKG1 0.6900 121 ClearCreek 1 301512 1CLEARCKG2 0.6900 99 WhiteCloud 2 301585 1WHITCLDG2 0.6900 22 | Chouteau | 1 | 300031 | 1CHOTST3 16.000 | 155.72 |
| Conception 1 300273 1CLYDEG1 0.6000 50.4 LostCreek 1 301358 1WINSLOWG1 0.6900 168 Osage 1 301382 1OSAGEWINDG10.6900 150 MtPleasant 1 301449 2MTPLAD 69.000 24 WhiteCloud 1 301490 1WHITCLDG1 0.6900 214.5 ClearCreek 1 301493 1CLEARCKG1 0.6900 121 ClearCreek 1 301512 1CLEARCKG2 0.6900 99 WhiteCloud 2 301585 1WHITCLDG2 0.6900 22 | Chouteau | 1 | 300032 | 1CHOTCT1 16.000 | 151.14 |
| LostCreek 1 301358 1WINSLOWG1 0.6900 168 Osage 1 301382 1OSAGEWINDG10.6900 150 MtPleasant 1 301449 2MTPLAD 69.000 24 WhiteCloud 1 301490 1WHITCLDG1 0.6900 214.5 ClearCreek 1 301493 1CLEARCKG1 0.6900 121 ClearCreek 1 301512 1CLEARCKG2 0.6900 99 WhiteCloud 2 301585 1WHITCLDG2 0.6900 22 | Chouteau | 1 | 300033 | 1CHOTCT2 16.000 | 151.14 |
| Osage 1 301382 1OSAGEWINDG10.6900 150 MtPleasant 1 301449 2MTPLAD 69.000 24 WhiteCloud 1 301490 1WHITCLDG1 0.6900 214.5 ClearCreek 1 301493 1CLEARCKG1 0.6900 121 ClearCreek 1 301512 1CLEARCKG2 0.6900 99 WhiteCloud 2 301585 1WHITCLDG2 0.6900 22 | Conception | 1 | 300273 | 1CLYDEG1 0.6000 | 50.4 |
| MtPleasant 1 301449 2MTPLAD 69.000 24 WhiteCloud 1 301490 1WHITCLDG1 0.6900 214.5 ClearCreek 1 301493 1CLEARCKG1 0.6900 121 ClearCreek 1 301512 1CLEARCKG2 0.6900 99 WhiteCloud 2 301585 1WHITCLDG2 0.6900 22 | LostCreek | 1 | 301358 | 1WINSLOWG1 0.6900 | 168 |
| WhiteCloud 1 301490 1WHITCLDG1 0.6900 214.5 ClearCreek 1 301493 1CLEARCKG1 0.6900 121 ClearCreek 1 301512 1CLEARCKG2 0.6900 99 WhiteCloud 2 301585 1WHITCLDG2 0.6900 22 | Osage | 1 | 301382 | 10SAGEWINDG10.6900 | 150 |
| ClearCreek 1 301493 1CLEARCKG1 0.6900 121 ClearCreek 1 301512 1CLEARCKG2 0.6900 99 WhiteCloud 2 301585 1WHITCLDG2 0.6900 22 | MtPleasant | 1 | 301449 | 2MTPLAD 69.000 | 24 |
| ClearCreek 1 301512 1CLEARCKG2 0.6900 99 WhiteCloud 2 301585 1WHITCLDG2 0.6900 22 | WhiteCloud | 1 | 301490 | 1WHITCLDG1 0.6900 | 214.5 |
| WhiteCloud 2 301585 1WHITCLDG2 0.6900 22 | ClearCreek | 1 | 301493 | 1CLEARCKG1 0.6900 | 121 |
| | ClearCreek | 1 | 301512 | 1CLEARCKG2 0.6900 | 99 |
| ClearCreek 1 301619 1CLEARCKG3 0.6900 22 | WhiteCloud | 2 | 301585 | 1WHITCLDG2 0.6900 | 22 |
| | ClearCreek | 1 | 301619 | 1CLEARCKG3 0.6900 | 22 |



Appendix 2: Duke Energy Carolinas BAA

The following information provides a more granular overview of the Duke Energy Carolinas BAA input assumptions and transmission expansion plan that are incorporated in the development of the SERTP regional transmission plan.

Table A2.1: 2021 SERTP Regional Transmission Plan – Transmission Project Snapshot by operating voltage (Duke Energy Carolinas BAA)

| Duke Energy Carolinas BAA | 100-120 | 121-150 | 151-199 | 200-299 | 300-399 | 400-550 |
|---|---------|---------|---------|---------|---------|---------|
| | kV | kV | kV | kV | kV | kV |
| Transmission lines – New (Circuit Mi.) | 9.2 | | | | | |
| Transmission Lines — Uprates ¹ (Circuit Mi.) | 79.1 | | | | | |
| Transformers ² - New | | | | 1 | _ | |
| Transformers ² - Replacements | | | | 2 | | |

¹A transmission line uprate may be the result of reconductoring and/or increasing the operating temperature/voltage along the transmission line.

Table A2.2: Interface commitments¹ modeled in the SERTP Summer Peak models – Duke Energy Carolinas BAA

| То | 2023 | 2026 | 2031 |
|--------------------|------|------|------|
| Duke Progress East | 1205 | 1205 | 1205 |
| SCE&G | -2 | -2 | -2 |
| SC | -209 | -209 | -219 |
| Southern | -230 | -230 | -230 |
| PJM | 100 | 100 | 100 |
| SEPA | -268 | -268 | -268 |
| Total | 596 | 596 | 586 |

¹A positive number represents a net export from the Duke Energy Carolinas BAA

²The voltages shown represent the operating voltages on the high side terminals of the transformer

A detailed listing of the changes in generation assumptions within the Duke Energy Carolinas BAA throughout the ten (10) year planning horizon, including the year(s) in which they occur, is provided in Table A2.3 below. Furthermore, supplemental information regarding noteworthy generation expansion and retirements/decertifications included in the 2021 series set of SERTP powerflow models is provided below, while Table A2.4 provides a listing of generation assumptions based upon long-term, firm point-to-point commitments. The capacity (MW) values shown for each year reflect summer peak conditions. Table A2.5 provides a listing of all generators modeled in the 2023 Version 2 Summer Peak powerflow model.

Table A2.3: Changes in Generation Assumptions Based Upon LSEs – Duke Energy Carolinas BAA

| | 0 | | · L | | L | | | 0) | | |
|--------------|------|------|------|------|------|------|------|------|------|------|
| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
| ALLEN 1 | 174 | 174 | 0 | | | | | | | |
| ALLEN 2 | 0 | | | | | | | | | |
| ALLEN 4 | 0 | | | | | | | | | |
| ALLEN 5 | 290 | 290 | 0 | | | | | | | |
| Cliffside 5 | 566 | 566 | 566 | 566 | 566 | | | | | |
| Lee 3 NG | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 0 | |
| Maiden Creek | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| Westminster | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| LINCOLN 17 | | | 402 | 402 | 402 | 402 | 402 | 402 | 402 | 402 |

Table A2.4: Generation Assumptions Based Upon Expected Long-term, Firm Point-to-Point Commitments – Duke Energy Carolinas BAA

| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|----------------|------|------|------|------|------|------|------|------|------|------|
| Broad River | 850 | 850 | 875 | 875 | 875 | 875 | 875 | 875 | 875 | 875 |
| Cleveland | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 |
| Catawba | 407 | 407 | 407 | 407 | 407 | 407 | 407 | 407 | 407 | 407 |
| Rowan | 605 | 466 | 450 | 431 | 418 | 190 | 190 | 190 | 190 | 190 |
| Kings Mountain | 32 | 32 | 32 | 32 | 32 | 32 | 92 | 92 | 92 | 92 |

Table A2.5: Generating Units Modeled in the 2023 Version 2 Summer Peak Powerflow Model - Duke Energy Carolinas BAA

| Plant | Unit | Bus # | Bus Name | Pmax (MW) |
|---------------------------|------|--------|------------------|-----------|
| | | | | |
| Mill Creek | 1 | 306082 | 1MILLCKG1 13.800 | 76 |
| Mill Creek | 2 | 306083 | 1MILLCKG2 13.800 | 76 |
| Mill Creek | 3 | 306084 | 1MILLCKG3 13.800 | 76 |
| Mill Creek | 4 | 306086 | 1MILLCKG4 13.800 | 76 |
| Mill Creek | 5 | 306087 | 1MILLCKG5 13.800 | 76 |
| Mill Creek | 6 | 306088 | 1MILLCKG6 13.800 | 76 |
| Mill Creek | 7 | 306090 | 1MILLCKG7 13.800 | 76 |
| Mill Creek | 8 | 306091 | 1MILLCKG8 13.800 | 76 |
| Rutherford | PV | 306146 | RUTHPV 100.00 | 67 |
| Bad Creek | 1 | 306207 | 1BADCRK12 19.000 | 420 |
| Bad Creek | 2 | 306207 | 1BADCRK12 19.000 | 420 |
| Bad Creek | 3 | 306208 | 1BADCRK34 19.000 | 420 |
| Bad Creek | 4 | 306208 | 1BADCRK34 19.000 | 340 |
| Broad River Energy | 4 | 306222 | 1BRECG4 18.000 | 175 |
| Broad River Energy | 5 | 306224 | 1BRECG5 18.000 | 175 |
| Broad River Energy | 1 | 306314 | 1BRECG1 18.000 | 175 |
| Broad River Energy | 2 | 306315 | 1BRECG2 18.000 | 175 |
| Broad River Energy | 3 | 306316 | 1BRECG3 18.000 | 175 |
| Cherokee | 1 | 306325 | 1CHEROKEG 13.800 | 52 |
| Cherokee | 1 | 306326 | 1CHEROKES 13.800 | 32 |
| Lincoln | 1 | 306509 | 1LINCLN1 13.800 | 79 |
| Lincoln | 2 | 306510 | 1LINCLN2 13.800 | 79 |
| Lincoln | 3 | 306511 | 1LINCLN3 13.800 | 79 |
| Lincoln | 4 | 306512 | 1LINCLN4 13.800 | 79 |
| Lincoln | 5 | 306513 | 1LINCLN5 13.800 | 79 |
| Lincoln | 6 | 306514 | 1LINCLN6 13.800 | 79 |
| Lincoln | 7 | 306515 | 1LINCLN7 13.800 | 79 |
| Lincoln | 8 | 306516 | 1LINCLN8 13.800 | 79 |
| Lincoln | 9 | 306517 | 1LINCLN9 13.800 | 79 |

| Lincoln | А | 306518 | 1LINCLN10 13.800 | 79 |
|-------------------|----|--------|-------------------|-----|
| Lincoln | В | 306519 | 1LINCLN11 13.800 | 79 |
| Lincoln | С | 306520 | 1LINCLN12 13.800 | 79 |
| Lincoln | D | 306521 | 1LINCLN13 13.800 | 79 |
| Lincoln | Е | 306522 | 1LINCLN14 13.800 | 79 |
| Lincoln | F | 306523 | 1LINCLN15 13.800 | 79 |
| Lincoln | G | 306524 | 1LINCLN16 13.800 | 79 |
| Rockingham County | 4 | 306828 | 1ROCKHMG04 18.000 | 165 |
| Rockingham County | 5 | 306829 | 1ROCKHMG05 18.000 | 165 |
| Rockingham County | 1 | 306831 | 1ROCKHMG01 18.000 | 165 |
| Rockingham County | 2 | 306832 | 1ROCKHMG02 18.000 | 165 |
| Rockingham County | 3 | 306833 | 1ROCKHMG03 18.000 | 165 |
| West River | PV | 306972 | WESTRVRPV 100.00 | 40 |
| Rowan | 1 | 306991 | 1ROWANC1 18.000 | 154 |
| Rowan | 2 | 306992 | 1ROWANC2 18.000 | 154 |
| Rowan | 3 | 306993 | 1ROWANC3 18.000 | 154 |
| Rowan | 4 | 306994 | 1ROWANC4 18.000 | 154 |
| Rowan | 5 | 306995 | 1ROWANC5 18.000 | 154 |
| Rowan | 6 | 306996 | 1ROWANS1 18.000 | 170 |
| Buzzard Roost | 1 | 307037 | 1BUZZHYD 4.1600 | 4.3 |
| Buzzard Roost | 2 | 307037 | 1BUZZHYD 4.1600 | 4.3 |
| Buzzard Roost | 3 | 307037 | 1BUZZHYD 4.1600 | 4.3 |
| Keowee | 1 | 307195 | 1KEOWEE 13.800 | 80 |
| Lee | 3 | 307197 | 1LEE 3 18.000 | 120 |
| Lee | 7 | 307198 | 1LEE CT7 13.800 | 43 |
| Oconee | 1 | 307199 | 10CONEE1 19.000 | 882 |
| Oconee | 3 | 307200 | 10CONEE3 19.000 | 882 |
| Oconee | 2 | 307210 | 10CONEE2 19.000 | 882 |
| Jocassee | 1 | 307370 | 1JOCASSE1 14.400 | 195 |
| Jocassee | 2 | 307371 | 1JOCASSE2 14.400 | 195 |
| Jocassee | 3 | 307372 | 1JOCASSE3 14.400 | 195 |
| Jocassee | 4 | 307373 | 1JOCASSE4 14.400 | 195 |

| Gaston Shoals | 1 | 307466 | 1GAST HY 2.4000 | 5.7 |
|---------------------|----|--------|------------------|------|
| Turner | 1 | 307599 | 1TURN HY 2.4000 | 1.5 |
| Turner | 2 | 307599 | 1TURN HY 2.4000 | 1.5 |
| Tuxedo | 1 | 307601 | 1TUX HYD 6.6000 | 3.2 |
| Tuxedo | 2 | 307601 | 1TUX HYD 6.6000 | 3.2 |
| Cliffside | 5 | 307610 | 1CLIFSID5 24.000 | 574 |
| Mocksville | PV | 307613 | 1MOCKSVPV 44.000 | 12.9 |
| Monroe | PV | 307614 | MONROEPV 100.00 | 53.6 |
| Great Falls | 1 | 307702 | 1GTFALLS 2.4000 | 3 |
| Great Falls | 2 | 307702 | 1GTFALLS 2.4000 | 3 |
| Great Falls | 5 | 307702 | 1GTFALLS 2.4000 | 3 |
| Great Falls | 6 | 307702 | 1GTFALLS 2.4000 | 3 |
| Ninety-Nine Islands | 1 | 307749 | 1NINETY9 2.2000 | 15 |
| Wylie | 1 | 307840 | 1WYLIEH 6.6000 | 18 |
| Wylie | 2 | 307840 | 1WYLIEH 6.6000 | 18 |
| Wylie | 3 | 307840 | 1WYLIEH 6.6000 | 18 |
| Wylie | 4 | 307840 | 1WYLIEH 6.6000 | 18 |
| Allen | 5 | 307853 | 1ALLEN 5 16.000 | 140 |
| Allen | L | 307853 | 1ALLEN 5 16.000 | 113 |
| Allen | 1 | 307854 | 1ALLEN 1 18.000 | 158 |
| Catawba | 1 | 307856 | 1CATAWBA1 22.000 | 1172 |
| Catawba | 2 | 307857 | 1CATAWBA2 22.000 | 1142 |
| Cedar Cliff | 1 | 307858 | 1CEDAR CK 6.6000 | 13 |
| Cedar Cliff | 2 | 307858 | 1CEDAR CK 6.6000 | 15 |
| Cedar Cliff | 3 | 307858 | 1CEDAR CK 6.6000 | 15 |
| Dearborn | 1 | 307859 | 1DEARBN1 6.6000 | 14 |
| Dearborn | 2 | 307860 | 1DEARBN23 6.6000 | 14 |
| Dearborn | 3 | 307860 | 1DEARBN23 6.6000 | 14 |
| Fishing Creek | 1 | 307861 | 1FISHNG C 6.6000 | 11 |
| Fishing Creek | 2 | 307861 | 1FISHNG C 6.6000 | 9.5 |
| Wateree | 1 | 307862 | 1WATEREE 6.6000 | 17 |
| Wateree | 2 | 307862 | 1WATEREE 6.6000 | 17 |

| Wateree | 3 | 307862 | 1WATEREE 6.6000 | 17 |
|-----------------|----|--------|------------------|-------|
| Wateree | 4 | 307862 | 1WATEREE 6.6000 | 17 |
| Wateree | 5 | 307862 | 1WATEREE 6.6000 | 17 |
| Lee | 8 | 307882 | 1LEE CT8 13.800 | 43 |
| Bridgewater | 1 | 308079 | 1BRIDGEW 6.6000 | 15.5 |
| Lookout Tie | 1 | 308080 | 1LOOKOUT 6.6000 | 9.33 |
| Lookout Tie | 2 | 308080 | 1LOOKOUT 6.6000 | 9.33 |
| Lookout Tie | 3 | 308080 | 1LOOKOUT 6.6000 | 9.33 |
| Marshall | 1 | 308081 | 1MARSHAL1 20.000 | 193 |
| Marshall | L | 308081 | 1MARSHAL1 20.000 | 195 |
| Marshall | 3 | 308082 | 1MARSHAL3 24.000 | 705 |
| Oxford | 1 | 308083 | 10XFORD 6.6000 | 20 |
| Rhodhiss | 1 | 308084 | 1RHODHIS 6.6000 | 10 |
| Rhodhiss | 2 | 308084 | 1RHODHIS 6.6000 | 12 |
| Rhodhiss | 3 | 308084 | 1RHODHIS 6.6000 | 12 |
| Marshall | 2 | 308087 | 1MARSHAL2 20.000 | 195 |
| Marshall | L | 308087 | 1MARSHAL2 20.000 | 195 |
| Marshall | 4 | 308088 | 1MARSHAL4 24.000 | 711 |
| Buck | 11 | 308090 | 1BUCKG11 18.000 | 176.5 |
| Buck | 12 | 308091 | 1BUCKG12 18.000 | 176.5 |
| Buck | 10 | 308092 | 1BUCKS10 18.000 | 333 |
| McBride | PV | 308107 | UNEMC14 100.00 | 74.9 |
| Mountain Island | 1 | 308179 | 1MT ISLE 6.6000 | 14 |
| Mountain Island | 2 | 308179 | 1MT ISLE 6.6000 | 14 |
| Mountain Island | 3 | 308179 | 1MT ISLE 6.6000 | 17 |
| Mountain Island | 4 | 308179 | 1MT ISLE 6.6000 | 17 |
| Cowans Ford | 1 | 308227 | 1COWANS1 13.800 | 81 |
| McGuire | 1 | 308228 | 1MCGUIRE1 24.000 | 1172 |
| McGuire | 2 | 308229 | 1MCGUIRE2 24.000 | 1165 |
| Cowans Ford | 2 | 308237 | 1COWANS2 13.800 | 81 |
| Cowans Ford | 3 | 308238 | 1COWANS3 13.800 | 81 |
| Cowans Ford | 4 | 308239 | 1COWANS4 13.800 | 81 |

| Ayrshire | PV | 308375 | 1AYRSHIRE 44.000 | 16.8 |
|------------------------------|----|--------|--------------------|-------|
| Belews Creek | 1 | 308377 | 1BELEWS1 18.000 | 612 |
| Belews Creek | L | 308377 | 1BELEWS1 18.000 | 515 |
| Belews Creek | 2 | 308378 | 1BELEWS2 18.000 | 622 |
| Belews Creek | L | 308378 | 1BELEWS2 18.000 | 508 |
| Apple | PV | 308387 | APPLEPV3 100.00 | 16.2 |
| Apple | PV | 308391 | APPLEPV2 100.00 | 20 |
| Cedar Creek | 1 | 308516 | 1CEDARCL 6.6000 | 6.4 |
| Bear Creek | 1 | 308517 | 1BEARCRK 4.1600 | 9 |
| Tennessee Creek | 1 | 308518 | 1TENNCRK 4.1600 | 10.8 |
| Nantahala | 1 | 308558 | 1NANTAHA 13.200 | 51 |
| Thorpe | 1 | 308600 | 1THORPE 6.6000 | 21.6 |
| Thorpe | 2 | 308600 | 1THORPE 6.6000 | 3 |
| Dan River | 8 | 308603 | 1DNRVRG8 18.000 | 176.5 |
| Dan River | 9 | 308604 | 1DNRVRG9 18.000 | 176.5 |
| Dan River Dan River | 7 | 308605 | 1DNRVRS7 18.000 | 333 |
| Cleveland County | 1 | 308607 | 1CLEVELAND1 16.500 | 178 |
| Cleveland County | 2 | 308608 | 1CLEVELAND2 16.500 | 178 |
| Cleveland County | 3 | 308609 | 1CLEVELAND3 16.500 | 178 |
| Cleveland County | 4 | 308610 | 1CLEVELAND4 16.500 | 178 |
| Lee | 10 | 308613 | 1LEECCS10 22.000 | 329 |
| Lee | 11 | 308614 | 1LEECCG11 18.000 | 231 |
| Lee | 12 | 308615 | 1LEECCG12 18.000 | 231 |
| Kings Mountain Energy Center | 1 | 308653 | 1KMECS 18.000 | 208 |
| Kings Mountain Energy Center | 2 | 308654 | 1KMECG 21.000 | 244 |
| Stanly | PV | 308673 | STANLYPV 100.00 | 50 |
| Gaston | PV | 308675 | 1GASTONPV 44.000 | 25 |
| Oxford | 2 | 308683 | 10XFORD2 6.6000 | 20 |
| Maiden Creek | PV | 308685 | MAIDENCRKPV 100.00 | 69.3 |
| Lincoln | Н | 308692 | 1LINCLN17 22.000 | 525 |
| SunEd | PV | 308784 | SUNED100 100.00 | 15 |
| Cliffside | 6 | 308789 | 1CLFSDGEN 24.500 | 880 |

| Clemson | 1 | 308878 | CLEMSONU 100.00 | 17.8 |
|---------------|----|--------|--------------------|------|
| Keowee | 2 | 308880 | 1KEOWEE2 13.800 | 80 |
| Fishing Creek | 3 | 308912 | 1FISHNG C2 6.6000 | 9.5 |
| Fishing Creek | 4 | 308912 | 1FISHNG C2 6.6000 | 11 |
| Fishing Creek | 5 | 308912 | 1FISHNG C2 6.6000 | 8 |
| Bridgewater | 2 | 308920 | 1BRIDGEW2 6.6000 | 15.5 |
| Thinking Tree | PV | 309604 | THNKTREEPV 100.00 | 35 |
| Partin | PV | 309606 | PARTINPV 100.00 | 50 |
| Ruff | PV | 309608 | 1RUFFPV 44.000 | 22 |
| High Shoals | PV | 309615 | 1HGHSHLPV 44.000 | 16 |
| Westminster | BT | 309707 | WESTMINSTERP100.00 | 25 |
| Westminster | PV | 309707 | WESTMINSTERP100.00 | 75 |
| Oakboro | BT | 309714 | OAKBOROPV 100.00 | 13.5 |
| Oakboro | PV | 309714 | OAKBOROPV 100.00 | 40 |
| Pelham | PV | 309716 | 1PELHAMPV 44.000 | 32 |
| Stony Knoll | PV | 309789 | 1STONYKNLLPV44.000 | 22.6 |
| Blackburn | BT | 309796 | BLKBURNPV 100.00 | 10 |
| Blackburn | PV | 309796 | BLKBURNPV 100.00 | 60.1 |
| Apex | PV | 309803 | 1APEXPV 44.000 | 30 |
| Two Hearted | BT | 309804 | 1TWOHRTDPV 44.000 | 7.5 |
| Two Hearted | PV | 309804 | 1TWOHRTDPV 44.000 | 22 |
| Speedway | PV | 309809 | SPEEDWAYPV 100.00 | 22.6 |
| Pinson | PV | 309810 | 1PINSONPV 44.000 | 20 |
| Broad River | PV | 309814 | BROADRVRPV 100.00 | 50 |
| Olin Creek | PV | 309824 | 10LINCKPV 44.000 | 35 |
| Lick Creek | PV | 309853 | LICKCRKPV 100.00 | 50 |
| Sugar | PV | 309857 | SUGARPV 100.00 | 60 |



Appendix 3: Duke Progress East BAA

The following information provides a more granular overview of the Duke Progress East BAA input assumptions and transmission expansion plan that are incorporated in the development of the SERTP regional transmission plan.

Table A3.1: 2021 SERTP Regional Transmission Plan – Transmission Project Snapshot by operating voltage (Duke Progress East BAA)

| Duke Progress East BAA | 100-120 | 121-150 | 151-199 | 200-299 | 300-399 | 400-550 |
|---|---------|---------|---------|---------|---------|---------|
| | kV | kV | kV | kV | kV | kV |
| Transmission lines - New (Circuit Mi.) | | | | 47 | | |
| Transmission Lines — Uprates ¹ (Circuit Mi.) | 36 | | | 10 | | - |
| Transformers ² — New | | | | 3 | - | |
| Transformers ² - Replacements | 0 | | | | | |

¹A transmission line uprate may be the result of reconductoring and/or increasing the operating temperature/voltage along the transmission line.

Table A3.2: Interface commitments¹ modeled in the SERTP Summer Peak models – Duke Progress East BAA

| То | 2023 | 2026 | 2031 |
|--------------------|-------|-------|-------|
| Duke Carolinas | -1205 | -1205 | -1205 |
| Duke Progress West | 150 | 150 | 100 |
| PJM | -24 | -24 | -24 |
| Total | -1079 | -1079 | -1129 |

¹A positive number represents a net export from the Duke Progress East BAA

²The voltages shown represent the operating voltages on the high side terminals of the transformer



A detailed listing of the changes in generation assumptions within the Duke Progress East BAA throughout the ten (10) year planning horizon, including the year(s) in which they occur, is provided in Table A3.3 below. Table A3.4 provides a listing of generation assumptions based upon long-term, firm point-to-point commitments. The capacity (MW) values shown for each year reflect summer peak conditions. Table A3.5 provides a listing of all generators modeled in the 2023 Version 2 Summer Peak powerflow model.

Table A3.3: Changes in Generation Assumptions Based Upon LSEs – Duke Progress East BAA

| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|--------------------|------|------|------|------|------|------|------|------|------|------|
| Blewett IC #1 | 13 | 13 | 13 | 0 | | | | | | |
| Blewett IC #2 | 13 | 13 | 13 | 0 | | | | | | |
| Blewett IC #3 | 13 | 13 | 13 | 0 | | | | | | |
| Blewett IC #4 | 13 | 13 | 13 | 0 | | | | | | |
| Weatherspoon IC #1 | 32 | 32 | 32 | 0 | | | | | | |
| Weatherspoon IC #2 | 32 | 32 | 32 | 0 | | | | | | |
| Weatherspoon IC #3 | 32 | 32 | 32 | 0 | | | | | | |
| Weatherspoon IC #4 | 32 | 32 | 32 | 0 | | | | | | |
| Roxboro #3 | 691 | 691 | 691 | 691 | 691 | 0 | | | | |
| Roxboro #4 Coal | 698 | 698 | 698 | 698 | 698 | 0 | | | | |
| Roxboro #1 Coal | 379 | 379 | 379 | 379 | 379 | 379 | | | | |
| Roxboro #2 Coal | 665 | 665 | 665 | 665 | 665 | 665 | | | | |
| Mayo Coal | 727 | 727 | 727 | 727 | 727 | 727 | | | | |
| Gold Valley PV | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| Cabin Creek PV | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| East Nash PV | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| Nutbush PV | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| Panola PV | | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| Roxboro Proxy#1 | | | | | | 1350 | 1350 | 1350 | 1350 | 1350 |

| Roxboro Proxy#2 | | | | 1350 | 1350 | 1350 | 1350 |
|-----------------|------|------|------|------|------|------|------|
| Mayo Proxy | | | | 602 | 602 | 602 | 602 |

Table A3.4: Generation Assumptions Based Upon Expected Long-term, Firm Point-to-Point Commitments – Duke Progress East BAA

| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|-----------|------|------|------|------|------|------|------|------|------|------|
| Hamlet #1 | 55 | 55 | 55 | 55 | 55 | 55 | 555 | 55 | 55 | 55 |
| Hamlet #2 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| Hamlet #3 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |

Table A3.5: Generating Units Modeled in the 2023 Version 2 Summer Peak Powerflow Model - Duke Progress East BAA

| Plant | Unit | Bus# | Bus Name | Pmax (MW) |
|-----------------------------|------|--------|--------------------|-----------|
| NCSU Gen | 1 | 304011 | NCSU GEN 115.00 | 11 |
| Uwharrie LFG | 1 | 304012 | UWHARRIE LFG115.00 | 9 |
| Aggregated Distribution Gen | BG | 304058 | HOLLY SPRG 230.00 | 7.3 |
| Co-gen Roxboro | 1 | 304063 | COG ROX SUB 230.00 | 56 |
| Aggregated Distribution Gen | PV | 304065 | ROXB SOUTH 230.00 | 3.94 |
| Aggregated Distribution Gen | PV | 304068 | ROX BOWMAN 230.00 | 10.075 |
| Aggregated Distribution Gen | PV | 304073 | RALBL RIDGE230.00 | 1 |
| Aggregated Distribution Gen | PV | 304075 | 6BAHAMA 230.00 | 5 |
| Aggregated Distribution Gen | PV | 304080 | OXFORD SOUTH230.00 | 15.358 |
| Aggregated Distribution Gen | PV | 304081 | CASTALIA 230.00 | 18.909 |
| Aggregated Distribution Gen | PV | 304086 | OXFORD NORTH230.00 | 22.748 |
| Aggregated Distribution Gen | PV | 304087 | HENDER EAST 230.00 | 33.19 |
| Aggregated Distribution Gen | PV | 304092 | ROXBOR 115TT115.00 | 8.971 |
| Aggregated Distribution Gen | PV | 304095 | YANCYVILLE 230.00 | 14.945 |
| Aggregated Distribution Gen | PV | 304101 | HENDER NORTH115.00 | 28.992 |
| Aggregated Distribution Gen | PV | 304103 | WARRENTON 115.00 | 31.205 |
| Aggregated Distribution Gen | PV | 304108 | LOUISBURG 115.00 | 13.782 |
| Aggregated Distribution Gen | PV | 304109 | STALLING XRD115.00 | 20.998 |

| Aggregated Distribution Gen PV 304110 SPRING HOPE 115.00 6.715 Aggregated Distribution Gen PV 304115 CARY TRENTON230.00 3.09 Aggregated Distribution Gen PV 304116 NASHVILLE 115.00 6.998 Aggregated Distribution Gen PV 304134 MONCURE 115.00 5.9 Aggregated Distribution Gen PV 304134 MONCURE 115.00 5.9 Aggregated Distribution Gen PV 304151 GARNER WOAK230.00 3.55 Aggregated Distribution Gen PV 304152 GARNER WOAK230.00 3.55 Aggregated Distribution Gen PV 304153 GARNER WOAK230.00 3.55 Aggregated Distribution Gen PV 304153 GARNER TRYON115.00 4.998 Aggregated Distribution Gen PV 304165 ZEBULON SUB115.00 5.257 Aggregated Distribution Gen PV 304177 SELMA 15 TT115.00 15.298 Aggregated Distribution Gen PV 304179 WILSON MILLS230.00 9.976 Aggregated Distribution Gen | | | | | |
|--|-----------------------------|----|--------|--------------------|--------|
| Aggregated Distribution Gen PV 304116 NASHVILLE 115.00 6.998 Aggregated Distribution Gen PV 304133 FUQUAY BELLS230.00 1.5 Aggregated Distribution Gen HY 304134 MONCURE 115.00 5.9 Aggregated Distribution Gen PV 304134 MONCURE 115.00 5 Aggregated Distribution Gen PV 304151 GARNER W OAK230.00 3.55 Aggregated Distribution Gen PV 304152 GARNER 115.00 4.998 Aggregated Distribution Gen PV 304153 GARNER TRYON115.00 2.337 Aggregated Distribution Gen PV 304165 ZEBULON SUB115.00 5.257 Aggregated Distribution Gen PV 304170 CLAYTON 115.00 4 Aggregated Distribution Gen PV 304177 SELMA 115 TT115.00 15.298 Aggregated Distribution Gen PV 304178 AUBURN 230.00 1.04 Aggregated Distribution Gen PV 304194 WENDELL 230.00 8.654 Aggregated Distribution Gen PV | Aggregated Distribution Gen | PV | 304110 | SPRING HOPE 115.00 | 6.715 |
| Aggregated Distribution Gen PV 304133 FUQUAY BELLS230.00 1.5 Aggregated Distribution Gen PV 304134 MONCURE 115.00 5.9 Aggregated Distribution Gen PV 304134 MONCURE 115.00 5.9 Aggregated Distribution Gen PV 304151 GARNER WOAK230.00 3.55 Aggregated Distribution Gen PV 304152 GARNER 115.00 4.998 Aggregated Distribution Gen PV 304153 GARNER 115.00 2.337 Aggregated Distribution Gen PV 304165 ZEBULON SUB115.00 5.257 Aggregated Distribution Gen PV 304165 ZEBULON SUB115.00 5.257 Aggregated Distribution Gen PV 304170 CLAYTON 115.00 4 Aggregated Distribution Gen PV 304177 SELMA 115 TT115.00 15.298 Aggregated Distribution Gen PV 304178 AUBURN 230.00 1.04 Aggregated Distribution Gen PV 304179 WILSON MILLS230.00 9.976 Aggregated Distribution Gen PV 304191 WENDELL 230.00 8.654 Aggregated Distribution Gen PV 304191 WENDELL 230.00 4.4 Aggregated Distribution Gen PV 304193 FOUR OAKS 230.00 1.766 Aggregated Distribution Gen PV 304194 BENSON 230.00 17.788 Aggregated Distribution Gen PV 304197 DUNN 230.00 7.016 Aggregated Distribution Gen PV 304198 BAILEY 230.00 24.68 Aggregated Distribution Gen PV 304199 ARCH LODGE 230.00 6.99 Aggregated Distribution Gen PV 304199 ARCH LODGE 230.00 6.99 Aggregated Distribution Gen PV 304202 ERWIN115 SUB115.00 4.95 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIESCREK 230.00 12.308 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304115 | CARYTRENTON230.00 | 3.09 |
| Aggregated Distribution Gen HY 304134 MONCURE 115.00 5.9 Aggregated Distribution Gen PV 304134 MONCURE 115.00 5 Aggregated Distribution Gen PV 304151 GARNER WOAK230.00 3.55 Aggregated Distribution Gen PV 304152 GARNER TIS.00 4.998 Aggregated Distribution Gen PV 304153 GARNER TRYON115.00 2.337 Aggregated Distribution Gen PV 304165 ZEBULON SUB115.00 5.257 Aggregated Distribution Gen PV 304170 CLAYTON 115.00 4 Aggregated Distribution Gen PV 304177 SELMA 115 TT115.00 15.298 Aggregated Distribution Gen PV 304178 AUBURN 230.00 1.04 Aggregated Distribution Gen PV 304186 EDMONDSON 230.00 8.654 Aggregated Distribution Gen PV 304191 WENDELL 230.00 4.4 Aggregated Distribution Gen PV 304193 FOUR OAKS 230.00 1.76 Aggregated Distribution Gen PV | Aggregated Distribution Gen | PV | 304116 | NASHVILLE 115.00 | 6.998 |
| Aggregated Distribution Gen PV 304134 MONCURE 115.00 5 Aggregated Distribution Gen PV 304151 GARNER W OAK230.00 3.55 Aggregated Distribution Gen PV 304152 GARNER 115.00 4.998 Aggregated Distribution Gen PV 304153 GARNER TRYON115.00 2.337 Aggregated Distribution Gen PV 304165 ZEBULON SUB115.00 5.257 Aggregated Distribution Gen PV 304170 CLAYTON SUB115.00 5.257 Aggregated Distribution Gen PV 304170 CLAYTON 115.00 4 Aggregated Distribution Gen PV 304177 SELMA 115 TT115.00 15.298 Aggregated Distribution Gen PV 304178 AUBURN 230.00 1.04 Aggregated Distribution Gen PV 304179 WILSON MILLS230.00 9.976 Aggregated Distribution Gen PV 304186 EDMONDSON 230.00 8.654 Aggregated Distribution Gen PV 304191 WENDELL 230.00 4.4 Aggregated Distribution Gen BG 304193 FOUR OAKS 230.00 1.76 Aggregated Distribution Gen PV 304194 BENSON 230.00 17.788 Aggregated Distribution Gen PV 304194 BENSON 230.00 17.788 Aggregated Distribution Gen PV 304197 DUNN 230.00 7.016 Aggregated Distribution Gen PV 304198 BAILEY 230.00 24.68 Aggregated Distribution Gen PV 304199 ARCH LODGE 230.00 6.99 Aggregated Distribution Gen PV 304202 ERWIN115 SUB115.00 4.95 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304133 | FUQUAY BELLS230.00 | 1.5 |
| Aggregated Distribution Gen PV 304151 GARNER W OAK230.00 3.55 Aggregated Distribution Gen PV 304152 GARNER 115.00 4.998 Aggregated Distribution Gen PV 304153 GARNER TRYON115.00 2.337 Aggregated Distribution Gen PV 304165 ZEBULON SUB115.00 5.257 Aggregated Distribution Gen PV 304170 CLAYTON 115.00 4 Aggregated Distribution Gen PV 304177 SELMA 115 TT115.00 15.298 Aggregated Distribution Gen PV 304178 AUBUR 230.00 1.04 Aggregated Distribution Gen PV 304179 WILSON MILLS230.00 9.976 Aggregated Distribution Gen PV 304186 EDMONDSON 230.00 8.654 Aggregated Distribution Gen PV 304191 WENDELL 230.00 4.4 Aggregated Distribution Gen PV 304193 FOUR OAKS 230.00 1.76 Aggregated Distribution Gen PV 304194 BENSON 230.00 17.788 Aggregated Distribution Gen PV 304194 BENSON 230.00 17.327 Aggregated Distribution Gen PV 304197 DUNN 230.00 7.016 Aggregated Distribution Gen PV 304198 BAILEY 230.00 24.68 Aggregated Distribution Gen PV 304199 ARCH LODGE 230.00 6.99 Aggregated Distribution Gen PV 304202 ERWIN115 SUB115.00 4.95 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 12.308 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | HY | 304134 | MONCURE 115.00 | 5.9 |
| Aggregated Distribution Gen PV 304152 GARNER 115.00 4.998 Aggregated Distribution Gen PV 304153 GARNER TRYON115.00 2.337 Aggregated Distribution Gen PV 304165 ZEBULON SUB115.00 5.257 Aggregated Distribution Gen PV 304170 CLAYTON 115.00 4 Aggregated Distribution Gen PV 304177 SELMA 115 TT115.00 15.298 Aggregated Distribution Gen PV 304178 AUBURN 230.00 1.04 Aggregated Distribution Gen PV 304186 EDMONDSON 230.00 9.976 Aggregated Distribution Gen PV 304191 WENDELL 230.00 4.4 Aggregated Distribution Gen PV 304193 FOUR OAKS 230.00 1.76 Aggregated Distribution Gen PV 304193 FOUR OAKS 230.00 17.788 Aggregated Distribution Gen PV 304194 BENSON 230.00 17.327 Aggregated Distribution Gen PV 304197 DUNN 230.00 7.016 Aggregated Distribution Gen PV | Aggregated Distribution Gen | PV | 304134 | MONCURE 115.00 | 5 |
| Aggregated Distribution Gen PV 304153 GARNER TRYON115.00 2.337 Aggregated Distribution Gen PV 304165 ZEBULON SUB115.00 5.257 Aggregated Distribution Gen PV 304170 CLAYTON 115.00 4 Aggregated Distribution Gen PV 304177 SELMA 115 TT115.00 15.298 Aggregated Distribution Gen PV 304178 AUBURN 230.00 1.04 Aggregated Distribution Gen PV 304179 WILSON MILLS230.00 9.976 Aggregated Distribution Gen PV 304186 EDMONDSON 230.00 8.654 Aggregated Distribution Gen PV 304191 WENDELL 230.00 4.4 Aggregated Distribution Gen BG 304193 FOUR OAKS 230.00 1.76 Aggregated Distribution Gen PV 304194 BENSON 230.00 17.788 Aggregated Distribution Gen PV 304197 DUNN 230.00 7.016 Aggregated Distribution Gen PV 304198 BAILEY 230.00 24.68 Aggregated Distribution Gen PV 304199 ARCH LODGE 230.00 6.99 Aggregated Distribution Gen PV 304202 ERWIN115 SUB115.00 4.95 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.9975 | Aggregated Distribution Gen | PV | 304151 | GARNER W OAK230.00 | 3.55 |
| Aggregated Distribution Gen PV 304165 ZEBULON SUB115.00 5.257 Aggregated Distribution Gen PV 304170 CLAYTON 115.00 4 Aggregated Distribution Gen PV 304177 SELMA 115 TT115.00 15.298 Aggregated Distribution Gen PV 304178 AUBURN 230.00 1.04 Aggregated Distribution Gen PV 304179 WILSON MILLS230.00 9.976 Aggregated Distribution Gen PV 304186 EDMONDSON 230.00 8.654 Aggregated Distribution Gen PV 304191 WENDELL 230.00 4.4 Aggregated Distribution Gen BG 304193 FOUR OAKS 230.00 1.76 Aggregated Distribution Gen PV 304193 FOUR OAKS 230.00 17.788 Aggregated Distribution Gen PV 304194 BENSON 230.00 17.327 Aggregated Distribution Gen PV 304197 DUNN 230.00 7.016 Aggregated Distribution Gen PV 304198 BAILEY 230.00 24.68 Aggregated Distribution Gen PV 304199 ARCH LODGE 230.00 6.99 Aggregated Distribution Gen PV 304202 ERWIN115 SUB115.00 4.95 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.9975 | Aggregated Distribution Gen | PV | 304152 | GARNER 115.00 | 4.998 |
| Aggregated Distribution Gen PV 304170 CLAYTON 115.00 4 Aggregated Distribution Gen PV 304177 SELMA 115 TT115.00 15.298 Aggregated Distribution Gen PV 304178 AUBURN 230.00 1.04 Aggregated Distribution Gen PV 304179 WILSON MILLS230.00 9.976 Aggregated Distribution Gen PV 304186 EDMONDSON 230.00 8.654 Aggregated Distribution Gen PV 304191 WENDELL 230.00 4.4 Aggregated Distribution Gen BG 304193 FOUR OAKS 230.00 1.76 Aggregated Distribution Gen PV 304193 FOUR OAKS 230.00 17.788 Aggregated Distribution Gen PV 304193 FOUR OAKS 230.00 17.788 Aggregated Distribution Gen PV 304194 BENSON 230.00 17.327 Aggregated Distribution Gen PV 304197 DUNN 230.00 7.016 Aggregated Distribution Gen PV 304198 BAILEY 230.00 24.68 Aggregated Distribution Gen PV | Aggregated Distribution Gen | PV | 304153 | GARNER TRYON115.00 | 2.337 |
| Aggregated Distribution Gen PV 304177 SELMA 115 TT115.00 15.298 Aggregated Distribution Gen PV 304178 AUBURN 230.00 1.04 Aggregated Distribution Gen PV 304179 WILSON MILLS230.00 9.976 Aggregated Distribution Gen PV 304186 EDMONDSON 230.00 8.654 Aggregated Distribution Gen PV 304191 WENDELL 230.00 4.4 Aggregated Distribution Gen BG 304193 FOUR OAKS 230.00 1.76 Aggregated Distribution Gen PV 304193 FOUR OAKS 230.00 17.788 Aggregated Distribution Gen PV 304194 BENSON 230.00 17.327 Aggregated Distribution Gen PV 304197 DUNN 230.00 7.016 Aggregated Distribution Gen PV 304198 BAILEY 230.00 24.68 Aggregated Distribution Gen PV 304199 ARCH LODGE 230.00 6.99 Aggregated Distribution Gen PV 304202 ERWIN115 SUB115.00 4.95 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304165 | ZEBULON SUB115.00 | 5.257 |
| Aggregated Distribution Gen PV 304178 AUBURN 230.00 1.04 Aggregated Distribution Gen PV 304179 WILSON MILLS230.00 9.976 Aggregated Distribution Gen PV 304186 EDMONDSON 230.00 8.654 Aggregated Distribution Gen PV 304191 WENDELL 230.00 4.4 Aggregated Distribution Gen BG 304193 FOUR OAKS 230.00 1.76 Aggregated Distribution Gen PV 304193 FOUR OAKS 230.00 17.788 Aggregated Distribution Gen PV 304194 BENSON 230.00 17.327 Aggregated Distribution Gen PV 304197 DUNN 230.00 7.016 Aggregated Distribution Gen PV 304198 BAILEY 230.00 24.68 Aggregated Distribution Gen PV 304199 ARCH LODGE 230.00 6.99 Aggregated Distribution Gen PV 304202 ERWIN115 SUB115.00 4.95 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.9975 | Aggregated Distribution Gen | PV | 304170 | CLAYTON 115.00 | 4 |
| Aggregated Distribution Gen PV 304179 WILSON MILLS230.00 9.976 Aggregated Distribution Gen PV 304186 EDMONDSON 230.00 8.654 Aggregated Distribution Gen PV 304191 WENDELL 230.00 4.4 Aggregated Distribution Gen BG 304193 FOUR OAKS 230.00 1.76 Aggregated Distribution Gen PV 304193 FOUR OAKS 230.00 17.788 Aggregated Distribution Gen PV 304194 BENSON 230.00 17.327 Aggregated Distribution Gen PV 304197 DUNN 230.00 7.016 Aggregated Distribution Gen PV 304198 BAILEY 230.00 24.68 Aggregated Distribution Gen PV 304199 ARCH LODGE 230.00 6.99 Aggregated Distribution Gen PV 304202 ERWIN115 SUB115.00 4.95 Aggregated Distribution Gen PV 304207 NEWTON GROVE 230.00 10.745 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.998 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304177 | SELMA 115 TT115.00 | 15.298 |
| Aggregated Distribution Gen PV 304186 EDMONDSON 230.00 8.654 Aggregated Distribution Gen PV 304191 WENDELL 230.00 4.4 Aggregated Distribution Gen BG 304193 FOUR OAKS 230.00 1.76 Aggregated Distribution Gen PV 304193 FOUR OAKS 230.00 17.788 Aggregated Distribution Gen PV 304194 BENSON 230.00 17.327 Aggregated Distribution Gen PV 304197 DUNN 230.00 7.016 Aggregated Distribution Gen PV 304198 BAILEY 230.00 24.68 Aggregated Distribution Gen PV 304199 ARCH LODGE 230.00 6.99 Aggregated Distribution Gen PV 304202 ERWIN115 SUB115.00 4.95 Aggregated Distribution Gen PV 304207 NEWTON GROVE230.00 11.852 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304220 LILLINGTON 115.00 9.998 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304178 | AUBURN 230.00 | 1.04 |
| Aggregated Distribution Gen PV 304191 WENDELL 230.00 4.4 Aggregated Distribution Gen BG 304193 FOUR OAKS 230.00 1.76 Aggregated Distribution Gen PV 304193 FOUR OAKS 230.00 17.788 Aggregated Distribution Gen PV 304194 BENSON 230.00 17.327 Aggregated Distribution Gen PV 304197 DUNN 230.00 7.016 Aggregated Distribution Gen PV 304198 BAILEY 230.00 24.68 Aggregated Distribution Gen PV 304199 ARCH LODGE 230.00 6.99 Aggregated Distribution Gen PV 304202 ERWIN115 SUB115.00 4.95 Aggregated Distribution Gen PV 304207 NEWTON GROVE230.00 11.852 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304220 LILLINGTON 115.00 9.998 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304179 | WILSON MILLS230.00 | 9.976 |
| Aggregated Distribution Gen PV 304193 FOUR OAKS 230.00 1.76 Aggregated Distribution Gen PV 304193 FOUR OAKS 230.00 17.788 Aggregated Distribution Gen PV 304194 BENSON 230.00 17.327 Aggregated Distribution Gen PV 304197 DUNN 230.00 7.016 Aggregated Distribution Gen PV 304198 BAILEY 230.00 24.68 Aggregated Distribution Gen PV 304199 ARCH LODGE 230.00 6.99 Aggregated Distribution Gen PV 304202 ERWIN115 SUB115.00 4.95 Aggregated Distribution Gen PV 304207 NEWTON GROVE230.00 11.852 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304186 | EDMONDSON 230.00 | 8.654 |
| Aggregated Distribution Gen PV 304193 FOUR OAKS 230.00 17.788 Aggregated Distribution Gen PV 304194 BENSON 230.00 17.327 Aggregated Distribution Gen PV 304197 DUNN 230.00 7.016 Aggregated Distribution Gen PV 304198 BAILEY 230.00 24.68 Aggregated Distribution Gen PV 304199 ARCH LODGE 230.00 6.99 Aggregated Distribution Gen PV 304202 ERWIN115 SUB115.00 4.95 Aggregated Distribution Gen PV 304207 NEWTON GROVE230.00 11.852 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304220 LILLINGTON 115.00 9.998 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304191 | WENDELL 230.00 | 4.4 |
| Aggregated Distribution Gen PV 304194 BENSON 230.00 17.327 Aggregated Distribution Gen PV 304197 DUNN 230.00 7.016 Aggregated Distribution Gen PV 304198 BAILEY 230.00 24.68 Aggregated Distribution Gen PV 304199 ARCH LODGE 230.00 6.99 Aggregated Distribution Gen PV 304202 ERWIN115 SUB115.00 4.95 Aggregated Distribution Gen PV 304207 NEWTON GROVE230.00 11.852 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304220 LILLINGTON 115.00 9.998 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | BG | 304193 | FOUR OAKS 230.00 | 1.76 |
| Aggregated Distribution Gen PV 304197 DUNN 230.00 7.016 Aggregated Distribution Gen PV 304198 BAILEY 230.00 24.68 Aggregated Distribution Gen PV 304199 ARCH LODGE 230.00 6.99 Aggregated Distribution Gen PV 304202 ERWIN115 SUB115.00 4.95 Aggregated Distribution Gen PV 304207 NEWTON GROVE230.00 11.852 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304220 LILLINGTON 115.00 9.998 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304193 | FOUR OAKS 230.00 | 17.788 |
| Aggregated Distribution Gen PV 304198 BAILEY 230.00 24.68 Aggregated Distribution Gen PV 304199 ARCH LODGE 230.00 6.99 Aggregated Distribution Gen PV 304202 ERWIN115 SUB115.00 4.95 Aggregated Distribution Gen PV 304207 NEWTON GROVE230.00 11.852 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304220 LILLINGTON 115.00 9.998 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304194 | BENSON 230.00 | 17.327 |
| Aggregated Distribution Gen PV 304199 ARCH LODGE 230.00 6.99 Aggregated Distribution Gen PV 304202 ERWIN115 SUB115.00 4.95 Aggregated Distribution Gen PV 304207 NEWTON GROVE230.00 11.852 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304220 LILLINGTON 115.00 9.998 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304197 | DUNN 230.00 | 7.016 |
| Aggregated Distribution Gen PV 304202 ERWIN115 SUB115.00 4.95 Aggregated Distribution Gen PV 304207 NEWTON GROVE230.00 11.852 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304220 LILLINGTON 115.00 9.998 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304198 | BAILEY 230.00 | 24.68 |
| Aggregated Distribution Gen PV 304207 NEWTON GROVE230.00 11.852 Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304220 LILLINGTON 115.00 9.998 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304199 | ARCH LODGE 230.00 | 6.99 |
| Aggregated Distribution Gen PV 304213 FUQUAY 230.00 10.745 Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304220 LILLINGTON 115.00 9.998 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304202 | ERWIN115 SUB115.00 | 4.95 |
| Aggregated Distribution Gen PV 304214 ANGIER 230.00 9.4 Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304220 LILLINGTON 115.00 9.998 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304207 | NEWTON GROVE230.00 | 11.852 |
| Aggregated Distribution Gen PV 304215 BUIES CREEK 230.00 12.308 Aggregated Distribution Gen PV 304220 LILLINGTON 115.00 9.998 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304213 | FUQUAY 230.00 | 10.745 |
| Aggregated Distribution Gen PV 304220 LILLINGTON 115.00 9.998 Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304214 | ANGIER 230.00 | 9.4 |
| Aggregated Distribution Gen PV 304225 PA-W-RE 115.00 5 Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304215 | BUIES CREEK 230.00 | 12.308 |
| Aggregated Distribution Gen PV 304227 ELM CITY 115.00 9.975 | Aggregated Distribution Gen | PV | 304220 | LILLINGTON 115.00 | 9.998 |
| 00 -0 | Aggregated Distribution Gen | PV | 304225 | PA-W-RE 115.00 | 5 |
| Aggregated Distribution Gen PV 304229 PA-FARMVILLE230.00 5 | Aggregated Distribution Gen | PV | 304227 | ELM CITY 115.00 | 9.975 |
| | Aggregated Distribution Gen | PV | 304229 | PA-FARMVILLE230.00 | 5 |

| Aggregated Distribution Gen PV 304235 PA-W-11 115.00 20 Aggregated Distribution Gen PV 304236 PA-W-28.3 115.00 23.5 Aggregated Distribution Gen BG 304240 FREMONT 115.00 4.2 Aggregated Distribution Gen PV 304240 FREMONT 115.00 12.393 Aggregated Distribution Gen PV 304244 PA-W-S 115.00 10 Aggregated Distribution Gen PV 304246 PA-W-RW 115.00 5 Aggregated Distribution Gen PV 304250 ROSEWOOD 115.00 9.99 Aggregated Distribution Gen PV 304250 ROSEWOOD 115.00 9.99 Aggregated Distribution Gen PV 304256 CLINT FERREL115.00 1.76 Aggregated Distribution Gen PV 304256 CLINT FERREL115.00 1.76 Aggregated Distribution Gen PV 304258 CLINT FERREL115.00 1.5 Aggregated Distribution Gen PV 304260 ROSEBORO | | | | | |
|--|-----------------------------|----|--------|--------------------|--------|
| Aggregated Distribution Gen BG 304240 FREMONT 115.00 4.2 Aggregated Distribution Gen PV 304240 FREMONT 115.00 12.393 Aggregated Distribution Gen PV 304244 PA-W-5 115.00 10 Aggregated Distribution Gen PV 304245 PA-W-W-1 115.00 5 Aggregated Distribution Gen PV 304246 PA-W-W-1 2 WEC 230.00 20 Aggregated Distribution Gen PV 304250 ROSEWOOD 115.00 9.99 Aggregated Distribution Gen PV 304252 PRINCETON 115.00 19.95 Aggregated Distribution Gen BG 304256 CLINT FERREL115.00 1.76 Aggregated Distribution Gen PV 304256 CLINTON NTH 115.00 15 Aggregated Distribution Gen PV 304256 CLINT FERREL115.00 4.95 Aggregated Distribution Gen PV 304260 ROSEBORO 115.00 9 Aggregated Distribution Gen PV 304260 ROSEBORO 115.00 8.96 Aggregated Distribution Gen PV | Aggregated Distribution Gen | PV | 304235 | PA-W-11 115.00 | 20 |
| Aggregated Distribution Gen PV 304240 FREMONT 115.00 12.393 Aggregated Distribution Gen PV 304244 PA-W-5 115.00 10 Aggregated Distribution Gen PV 304245 PA-W-RW 115.00 5 Aggregated Distribution Gen PV 304246 PA-W-RW 115.00 5 Aggregated Distribution Gen PV 304250 ROSEWOOD 115.00 9.99 Aggregated Distribution Gen PV 304252 PRINCETON 115.00 19.95 Aggregated Distribution Gen BG 304256 CLINT FERREL115.00 1.76 Aggregated Distribution Gen PV 304256 CLINT FERREL115.00 4.95 Aggregated Distribution Gen PV 304258 CLINTON NTH 115.00 15 Aggregated Distribution Gen BG 304260 ROSEBORO 115.00 9 Aggregated Distribution Gen PV 304260 ROSEBORO 115.00 8.96 Aggregated Distribution Gen PV 304267 GRANTHAM 230.00 3.18 Aggregated Distribution Gen PV 304267< | Aggregated Distribution Gen | PV | 304236 | PA-W-2&3 115.00 | 23.5 |
| Aggregated Distribution Gen PV 304244 PA-W-5 115.00 10 Aggregated Distribution Gen PV 304245 PA-W-RW 115.00 5 Aggregated Distribution Gen PV 304246 PA-W-12 WEC 230.00 20 Aggregated Distribution Gen PV 304250 ROSEWOOD 115.00 9.99 Aggregated Distribution Gen PV 304252 PRINCETON 115.00 19.95 Aggregated Distribution Gen BG 304256 CLINT FERREL115.00 1.76 Aggregated Distribution Gen PV 304256 CLINT FERREL115.00 4.95 Aggregated Distribution Gen BG 304260 ROSEBORO 115.00 9 Aggregated Distribution Gen PV 304260 ROSEBORO 115.00 9 Aggregated Distribution Gen PV 304267 GRANTHAM 230.00 3.18 Aggregated Distribution Gen PV 304267 GRANTHAM 230.00 14.241 Aggregated Distribution Gen PV 304267 GRANTHAM 230.00 14.241 Aggregated Distribution Gen | Aggregated Distribution Gen | BG | 304240 | FREMONT 115.00 | 4.2 |
| Aggregated Distribution Gen PV 304245 PA-W-RW 115.00 5 Aggregated Distribution Gen PV 304246 PA-W12 WEC 230.00 20 Aggregated Distribution Gen PV 304250 ROSEWOOD 115.00 9.99 Aggregated Distribution Gen PV 304252 PRINCETON 115.00 19.95 Aggregated Distribution Gen BG 304256 CLINT FERREL115.00 1.76 Aggregated Distribution Gen PV 304256 CLINT FERREL115.00 4.95 Aggregated Distribution Gen PV 304256 CLINT FERREL115.00 1.76 Aggregated Distribution Gen BG 304260 ROSEBORO 115.00 9 Aggregated Distribution Gen BG 304260 ROSEBORO 115.00 9 Aggregated Distribution Gen PV 304260 ROSEBORO 115.00 9 Aggregated Distribution Gen BG 304267 GRANTHAM 230.00 3.18 Aggregated Distribution Gen PV 304267 GRANTHAM 230.00 14.241 Aggregated Distribution Gen PV 304269 MT OLV SUB 115.00 8.422 Aggregated Distribution Gen PV 304270 MT OLV WEST 115.00 23.95 Aggregated Distribution Gen PV 304270 MT OLV WEST 115.00 16.781 Aggregated Distribution Gen PV 304280 BEULAVILLE 115.00 20.987 Aggregated Distribution Gen PV 304280 BEULAVILLE 115.00 15 Aggregated Distribution Gen PV 304280 BEULAVILLE 115.00 15 Aggregated Distribution Gen PV 304281 BELFAST 115.00 15 Aggregated Distribution Gen PV 304282 GOLDSB LANGS115.00 6.999 Aggregated Distribution Gen PV 304288 LAGRANGE 115.00 19.973 Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 25.02 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304301 TROY 115.00 1.782 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | PV | 304240 | FREMONT 115.00 | 12.393 |
| Aggregated Distribution Gen PV 304250 ROSEWOOD 115.00 9.99 Aggregated Distribution Gen PV 304252 PRINCETON 115.00 19.95 Aggregated Distribution Gen PV 304252 PRINCETON 115.00 19.95 Aggregated Distribution Gen BG 304256 CLINT FERREL115.00 1.76 Aggregated Distribution Gen PV 304256 CLINT FERREL115.00 4.95 Aggregated Distribution Gen PV 304258 CLINTON NTH 115.00 15 Aggregated Distribution Gen BG 304260 ROSEBORO 115.00 9 Aggregated Distribution Gen PV 304260 ROSEBORO 115.00 8.96 Aggregated Distribution Gen PV 304267 GRANTHAM 230.00 3.18 Aggregated Distribution Gen PV 304267 GRANTHAM 230.00 14.241 Aggregated Distribution Gen PV 304269 MT OLV SUB 115.00 8.422 Aggregated Distribution Gen PV 304270 MT OLV WEST 115.00 23.95 Aggregated Distribution Gen PV 304280 BEULAVILLE 115.00 20.987 Aggregated Distribution Gen PV 304281 BELFAST 115.00 15 Aggregated Distribution Gen PV 304282 GOLDSB LANGS115.00 19.973 Aggregated Distribution Gen PV 304288 LAGRANGE 115.00 19.973 Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 5 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 1.782 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 14.84 | Aggregated Distribution Gen | PV | 304244 | PA-W-5 115.00 | 10 |
| Aggregated Distribution Gen PV 304250 ROSEWOOD 115.00 9.99 Aggregated Distribution Gen PV 304252 PRINCETON 115.00 19.95 Aggregated Distribution Gen BG 304256 CLINT FERREL115.00 1.76 Aggregated Distribution Gen PV 304256 CLINT FERREL115.00 4.95 Aggregated Distribution Gen PV 304258 CLINTON NTH 115.00 15 Aggregated Distribution Gen BG 304260 ROSEBORO 115.00 9 Aggregated Distribution Gen PV 304260 ROSEBORO 115.00 9 Aggregated Distribution Gen PV 304267 GRANTHAM 230.00 3.18 Aggregated Distribution Gen PV 304267 GRANTHAM 230.00 14.241 Aggregated Distribution Gen PV 304269 MT OLV SUB 115.00 8.422 Aggregated Distribution Gen PV 304270 MT OLV WEST 115.00 23.95 Aggregated Distribution Gen PV 304280 BEULAVILLE 115.00 16.781 Aggregated Distribution Gen PV 304281 BELFAST 115.00 15 Aggregated Distribution Gen PV 304282 GOLDSB LANGS115.00 6.999 Aggregated Distribution Gen PV 304288 LAGRANGE 115.00 19.973 Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 5 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | PV | 304245 | PA-W-RW 115.00 | 5 |
| Aggregated Distribution Gen PV 304252 PRINCETON 115.00 19.95 Aggregated Distribution Gen BG 304256 CLINT FERREL115.00 1.76 Aggregated Distribution Gen PV 304256 CLINT FERREL115.00 4.95 Aggregated Distribution Gen PV 304258 CLINTON NTH 115.00 15 Aggregated Distribution Gen BG 304260 ROSEBORO 115.00 9 Aggregated Distribution Gen BG 304260 ROSEBORO 115.00 8.96 Aggregated Distribution Gen BG 304267 GRANTHAM 230.00 3.18 Aggregated Distribution Gen PV 304267 GRANTHAM 230.00 14.241 Aggregated Distribution Gen PV 304269 MT OLV SUB 115.00 8.422 Aggregated Distribution Gen PV 304270 MT OLV SUB 115.00 23.95 Aggregated Distribution Gen PV 304273 KORNEGAY SUB115.00 16.781 Aggregated Distribution Gen PV 304280 BEULAVILLE 115.00 20.987 Aggregated Distribution Gen PV 304281 BELFAST 115.00 15 Aggregated Distribution Gen PV 304282 GOLDSB LANGS115.00 6.999 Aggregated Distribution Gen PV 304288 LAGRANGE 115.00 19.973 Aggregated Distribution Gen PV 304288 LAGRANGE 115.00 19.973 Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 25.02 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 1.782 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 14.84 | Aggregated Distribution Gen | PV | 304246 | PA-W12 WEC 230.00 | 20 |
| Aggregated Distribution Gen PV 304256 CLINT FERREL115.00 1.76 Aggregated Distribution Gen PV 304256 CLINT FERREL115.00 4.95 Aggregated Distribution Gen PV 304258 CLINTON NTH 115.00 15 Aggregated Distribution Gen BG 304260 ROSEBORO 115.00 9 Aggregated Distribution Gen BG 304260 ROSEBORO 115.00 8.96 Aggregated Distribution Gen BG 304267 GRANTHAM 230.00 3.18 Aggregated Distribution Gen PV 304267 GRANTHAM 230.00 14.241 Aggregated Distribution Gen PV 304269 MT OLV SUB 115.00 8.422 Aggregated Distribution Gen PV 304270 MT OLV SUB 115.00 23.95 Aggregated Distribution Gen PV 304273 KORNEGAY SUB115.00 16.781 Aggregated Distribution Gen PV 304280 BEULAVILLE 115.00 20.987 Aggregated Distribution Gen PV 304281 BELFAST 115.00 15 Aggregated Distribution Gen PV 304282 GOLDS LANGS115.00 6.999 Aggregated Distribution Gen PV 304288 LAGRANGE 115.00 19.973 Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 25.02 Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 5 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304301 TROY 115.00 1.782 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 | Aggregated Distribution Gen | PV | 304250 | ROSEWOOD 115.00 | 9.99 |
| Aggregated Distribution Gen PV 304256 CLINT FERREL115.00 4.95 Aggregated Distribution Gen PV 304258 CLINTON NTH 115.00 15 Aggregated Distribution Gen BG 304260 ROSEBORO 115.00 9 Aggregated Distribution Gen PV 304260 ROSEBORO 115.00 8.96 Aggregated Distribution Gen BG 304267 GRANTHAM 230.00 3.18 Aggregated Distribution Gen PV 304267 GRANTHAM 230.00 14.241 Aggregated Distribution Gen PV 304269 MT OLV SUB 115.00 8.422 Aggregated Distribution Gen PV 304270 MT OLV WEST 115.00 23.95 Aggregated Distribution Gen PV 304273 KORNEGAY SUB115.00 16.781 Aggregated Distribution Gen PV 304280 BEULAVILLE 115.00 20.987 Aggregated Distribution Gen PV 304281 BELFAST 115.00 15 Aggregated Distribution Gen PV 304282 GOLDSB LANGS115.00 6.999 Aggregated Distribution Gen PV 304288 LAGRANGE 115.00 19.973 Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 25.02 Aggregated Distribution Gen PV 304297 JONESBORO 230.00 10.066 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | PV | 304252 | PRINCETON 115.00 | 19.95 |
| Aggregated Distribution Gen PV 304258 CLINTON NTH 115.00 15 Aggregated Distribution Gen BG 304260 ROSEBORO 115.00 9 Aggregated Distribution Gen PV 304260 ROSEBORO 115.00 8.96 Aggregated Distribution Gen BG 304267 GRANTHAM 230.00 3.18 Aggregated Distribution Gen PV 304267 GRANTHAM 230.00 14.241 Aggregated Distribution Gen PV 304269 MT OLV SUB 115.00 8.422 Aggregated Distribution Gen PV 304270 MT OLV WEST 115.00 23.95 Aggregated Distribution Gen PV 304273 KORNEGAY SUB115.00 16.781 Aggregated Distribution Gen PV 304280 BEULAVILLE 115.00 20.987 Aggregated Distribution Gen PV 304281 BELFAST 115.00 15 Aggregated Distribution Gen PV 304282 GOLDSB LANGS115.00 6.999 Aggregated Distribution Gen PV 304288 LAGRANGE 115.00 19.973 Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 25.02 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 1.782 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 14.84 | Aggregated Distribution Gen | BG | 304256 | CLINT FERREL115.00 | 1.76 |
| Aggregated Distribution Gen Aggregated Distribution Gen PV BG Aggregated Distribution Gen PV BG Aggregated Distribution Gen BG | Aggregated Distribution Gen | PV | 304256 | CLINT FERREL115.00 | 4.95 |
| Aggregated Distribution Gen PV 304260 ROSEBORO 115.00 8.96 Aggregated Distribution Gen BG 304267 GRANTHAM 230.00 3.18 Aggregated Distribution Gen PV 304267 GRANTHAM 230.00 14.241 Aggregated Distribution Gen PV 304269 MT OLV SUB 115.00 8.422 Aggregated Distribution Gen PV 304270 MT OLV WEST 115.00 23.95 Aggregated Distribution Gen PV 304273 KORNEGAY SUB115.00 16.781 Aggregated Distribution Gen PV 304280 BEULAVILLE 115.00 20.987 Aggregated Distribution Gen PV 304281 BELFAST 115.00 15 Aggregated Distribution Gen PV 304282 GOLDSB LANGS115.00 6.999 Aggregated Distribution Gen PV 304288 LAGRANGE 115.00 19.973 Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 25.02 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304301 TROY 115.00 1.782 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 14.84 | Aggregated Distribution Gen | PV | 304258 | CLINTON NTH 115.00 | 15 |
| Aggregated Distribution Gen PV 304267 GRANTHAM 230.00 3.18 Aggregated Distribution Gen PV 304267 GRANTHAM 230.00 14.241 Aggregated Distribution Gen PV 304269 MT OLV SUB 115.00 8.422 Aggregated Distribution Gen PV 304270 MT OLV WEST 115.00 23.95 Aggregated Distribution Gen PV 304273 KORNEGAY SUB115.00 16.781 Aggregated Distribution Gen PV 304280 BEULAVILLE 115.00 20.987 Aggregated Distribution Gen PV 304281 BELFAST 115.00 15 Aggregated Distribution Gen PV 304282 GOLDSB LANGS115.00 6.999 Aggregated Distribution Gen PV 304288 LAGRANGE 115.00 19.973 Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 25.02 Aggregated Distribution Gen PV 304297 JONESBORO 230.00 10.066 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304301 TROY 115.00 1.782 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | BG | 304260 | ROSEBORO 115.00 | 9 |
| Aggregated Distribution Gen PV 304267 GRANTHAM 230.00 14.241 Aggregated Distribution Gen PV 304269 MT OLV SUB 115.00 8.422 Aggregated Distribution Gen PV 304270 MT OLV WEST 115.00 23.95 Aggregated Distribution Gen PV 304273 KORNEGAY SUB115.00 16.781 Aggregated Distribution Gen PV 304280 BEULAVILLE 115.00 20.987 Aggregated Distribution Gen PV 304281 BELFAST 115.00 15 Aggregated Distribution Gen PV 304282 GOLDSB LANGS115.00 6.999 Aggregated Distribution Gen PV 304288 LAGRANGE 115.00 19.973 Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 25.02 Aggregated Distribution Gen PV 304297 JONESBORO 230.00 10.066 Aggregated Distribution Gen PV 304301 TROY 115.00 1.782 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | PV | 304260 | ROSEBORO 115.00 | 8.96 |
| Aggregated Distribution Gen PV 304269 MT OLV SUB 115.00 8.422 Aggregated Distribution Gen PV 304270 MT OLV WEST 115.00 23.95 Aggregated Distribution Gen PV 304273 KORNEGAY SUB115.00 16.781 Aggregated Distribution Gen PV 304280 BEULAVILLE 115.00 20.987 Aggregated Distribution Gen PV 304281 BELFAST 115.00 15 Aggregated Distribution Gen PV 304282 GOLDSB LANGS115.00 6.999 Aggregated Distribution Gen PV 304288 LAGRANGE 115.00 19.973 Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 25.02 Aggregated Distribution Gen PV 304297 JONESBORO 230.00 10.066 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304301 TROY 115.00 1.782 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | BG | 304267 | GRANTHAM 230.00 | 3.18 |
| Aggregated Distribution Gen PV 304270 MT OLV WEST 115.00 23.95 Aggregated Distribution Gen PV 304273 KORNEGAY SUB115.00 16.781 Aggregated Distribution Gen PV 304280 BEULAVILLE 115.00 20.987 Aggregated Distribution Gen PV 304281 BELFAST 115.00 15 Aggregated Distribution Gen PV 304282 GOLDSB LANGS115.00 6.999 Aggregated Distribution Gen PV 304288 LAGRANGE 115.00 19.973 Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 25.02 Aggregated Distribution Gen PV 304297 JONESBORO 230.00 10.066 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304301 TROY 115.00 1.782 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | PV | 304267 | GRANTHAM 230.00 | 14.241 |
| Aggregated Distribution Gen PV 304273 KORNEGAY SUB115.00 16.781 Aggregated Distribution Gen PV 304280 BEULAVILLE 115.00 20.987 Aggregated Distribution Gen PV 304281 BELFAST 115.00 15 Aggregated Distribution Gen PV 304282 GOLDSB LANGS115.00 6.999 Aggregated Distribution Gen PV 304288 LAGRANGE 115.00 19.973 Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 25.02 Aggregated Distribution Gen PV 304297 JONESBORO 230.00 10.066 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304301 TROY 115.00 1.782 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | PV | 304269 | MT OLV SUB 115.00 | 8.422 |
| Aggregated Distribution Gen PV 304280 BEULAVILLE 115.00 20.987 Aggregated Distribution Gen PV 304281 BELFAST 115.00 15 Aggregated Distribution Gen PV 304282 GOLDSB LANGS115.00 6.999 Aggregated Distribution Gen PV 304288 LAGRANGE 115.00 19.973 Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 25.02 Aggregated Distribution Gen PV 304297 JONESBORO 230.00 10.066 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen PV 304301 TROY 115.00 1.782 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | PV | 304270 | MT OLV WEST 115.00 | 23.95 |
| Aggregated Distribution Gen PV 304281 BELFAST 115.00 15 Aggregated Distribution Gen PV 304282 GOLDSB LANGS115.00 6.999 Aggregated Distribution Gen PV 304288 LAGRANGE 115.00 19.973 Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 25.02 Aggregated Distribution Gen PV 304297 JONESBORO 230.00 10.066 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen HY 304301 TROY 115.00 1.782 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | PV | 304273 | KORNEGAY SUB115.00 | 16.781 |
| Aggregated Distribution Gen PV 304282 GOLDSB LANGS115.00 6.999 Aggregated Distribution Gen PV 304288 LAGRANGE 115.00 19.973 Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 25.02 Aggregated Distribution Gen PV 304297 JONESBORO 230.00 10.066 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen HY 304301 TROY 115.00 1.782 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | PV | 304280 | BEULAVILLE 115.00 | 20.987 |
| Aggregated Distribution Gen PV 304288 LAGRANGE 115.00 19.973 Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 25.02 Aggregated Distribution Gen PV 304297 JONESBORO 230.00 10.066 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen HY 304301 TROY 115.00 1.782 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | PV | 304281 | BELFAST 115.00 | 15 |
| Aggregated Distribution Gen PV 304294 BISCOE SUB 115.00 25.02 Aggregated Distribution Gen PV 304297 JONESBORO 230.00 10.066 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen HY 304301 TROY 115.00 1.782 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | PV | 304282 | GOLDSB LANGS115.00 | 6.999 |
| Aggregated Distribution Gen PV 304297 JONESBORO 230.00 10.066 Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen HY 304301 TROY 115.00 1.782 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | PV | 304288 | LAGRANGE 115.00 | 19.973 |
| Aggregated Distribution Gen PV 304298 ROBBINS 115.00 5 Aggregated Distribution Gen HY 304301 TROY 115.00 1.782 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | PV | 304294 | BISCOE SUB 115.00 | 25.02 |
| Aggregated Distribution Gen HY 304301 TROY 115.00 1.782 Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | PV | 304297 | JONESBORO 230.00 | 10.066 |
| Aggregated Distribution Gen PV 304301 TROY 115.00 4.95 Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | PV | 304298 | ROBBINS 115.00 | 5 |
| Aggregated Distribution Gen PV 304303 SEAGROVE 115.00 9.466 Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | HY | 304301 | TROY 115.00 | 1.782 |
| Aggregated Distribution Gen PV 304306 CANDOR 115.00 14.84 | Aggregated Distribution Gen | PV | 304301 | TROY 115.00 | 4.95 |
| 30 0 | Aggregated Distribution Gen | PV | 304303 | SEAGROVE 115.00 | 9.466 |
| Aggregated Distribution Gen PV 304312 ASHEBOR E TT115.00 4.938 | Aggregated Distribution Gen | PV | 304306 | CANDOR 115.00 | 14.84 |
| | Aggregated Distribution Gen | PV | 304312 | ASHEBOR E TT115.00 | 4.938 |

| Aggregated Distribution Gen | PV | 304319 | ASHEBORO NO 115.00 | 7.84 |
|-----------------------------|----|--------|--------------------|--------|
| Aggregated Distribution Gen | PV | 304320 | ROCKHAM SUB 115.00 | 4.938 |
| Aggregated Distribution Gen | PV | 304321 | 3IND 304321 115.00 | 6.994 |
| Aggregated Distribution Gen | PV | 304326 | LIBERTY 115.00 | 10 |
| Aggregated Distribution Gen | PV | 304327 | ELLERBE 230.00 | 1.999 |
| Aggregated Distribution Gen | HY | 304328 | RAMSEUR 115 115.00 | 1.225 |
| Aggregated Distribution Gen | PV | 304333 | PITTSBORO 230.00 | 9.953 |
| Aggregated Distribution Gen | PV | 304334 | BYNUM 230.00 | 3.274 |
| Aggregated Distribution Gen | PV | 304335 | SILER CITY 115.00 | 19.492 |
| Aggregated Distribution Gen | PV | 304341 | MTGILEAD 115.00 | 3.5 |
| Aggregated Distribution Gen | PV | 304344 | WADESBORO 230.00 | 14.998 |
| Aggregated Distribution Gen | PV | 304345 | ROCKHAM WEST115.00 | 5 |
| Aggregated Distribution Gen | PV | 304355 | HAMLET 230.00 | 14.972 |
| Aggregated Distribution Gen | PV | 304359 | WADESBOW SUB230.00 | 12.198 |
| Aggregated Distribution Gen | PV | 304360 | WEST END SUB230.00 | 20.012 |
| Aggregated Distribution Gen | PV | 304364 | ABERDEEN 115.00 | 1.998 |
| Aggregated Distribution Gen | PV | 304367 | LAKEVIEW 115.00 | 5 |
| Aggregated Distribution Gen | PV | 304374 | SANF GARDEN 230.00 | 16.965 |
| Aggregated Distribution Gen | PV | 304376 | SANF DPRVR 230.00 | 9.948 |
| Aggregated Distribution Gen | PV | 304381 | RAEFORD SOU 115.00 | 9.975 |
| Aggregated Distribution Gen | PV | 304401 | VANDERSUB TT115.00 | 5 |
| Aggregated Distribution Gen | PV | 304406 | ST PAULS 115.00 | 19.969 |
| Aggregated Distribution Gen | PV | 304408 | BEARD 115.00 | 20 |
| Aggregated Distribution Gen | PV | 304410 | GODWIN 115.00 | 18.397 |
| Aggregated Distribution Gen | PV | 304413 | RAEFORD NOR 115.00 | 5 |
| Aggregated Distribution Gen | PV | 304420 | 3IND 304420 115.00 | 19.8 |
| Aggregated Distribution Gen | PV | 304421 | LAURNB115WTT115.00 | 16.192 |
| Aggregated Distribution Gen | PV | 304422 | LAURINBGCITY230.00 | 14.985 |
| Aggregated Distribution Gen | PV | 304423 | LAUREL HILL 230.00 | 19.95 |
| Aggregated Distribution Gen | PV | 304430 | RED SPR SUB 115.00 | 19.896 |
| Aggregated Distribution Gen | PV | 304431 | SHANNON 115.00 | 14.924 |
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| Aggregated Distribution Gen PV 304435 MAXTON 115.00 18.572 Aggregated Distribution Gen PV 304436 PEMBROKE 115.00 15.988 Aggregated Distribution Gen PV 304439 PA-LUMB#4 115.00 2 Aggregated Distribution Gen PV 304443 ROWLAND SUB 230.00 9.975 Aggregated Distribution Gen PV 304445 CHOCOWINITY 230.00 34.45 Aggregated Distribution Gen PV 304448 FAIRMONT SUBITS.00 27.817 Industrial Customer Gen A 304455 GIND 304455 230.00 42 Aggregated Distribution Gen PV 304459 GRIFTON 115.00 19.949 Aggregated Distribution Gen PV 304463 NEW BERN WES230.00 4 Aggregated Distribution Gen PV 304463 NEW BERN WES230.00 25.46 Aggregated Distribution Gen PV 304463 NEW BERN WES230.00 45 Industrial Customer Gen A 304476 31ND 304476 115.00 39.74 Cr | | | | | |
|--|-----------------------------|----|--------|---------------------|--------|
| Aggregated Distribution Gen PV 304439 PA-LUMB#4 115.00 2 Aggregated Distribution Gen PV 304443 ROWLAND SUB 230.00 9.975 Aggregated Distribution Gen PV 304445 CHOCOWINITY 230.00 34.45 Aggregated Distribution Gen PV 304446 WEATHERSPOON230.00 26.288 Aggregated Distribution Gen PV 304448 FAIRMONT SUB115.00 27.817 Industrial Customer Gen A 304455 GIND 304455 230.00 42 Aggregated Distribution Gen PV 304459 GRIFTON 115.00 19.949 Aggregated Distribution Gen PV 304462 BAYBORO 230.00 9.998 Aggregated Distribution Gen PV 304463 NEW BERN WES230.00 4 Aggregated Distribution Gen PV 304464 BRIDGETON 115.00 9.974 Craven County Wood Energy 1 304476 3IND 304476 115.00 38 Aggregated Distribution Gen PV 304483 SNOW HILL 115.00 13.944 Aggregated Distribution Gen PV <td>Aggregated Distribution Gen</td> <td>PV</td> <td>304435</td> <td>MAXTON 115.00</td> <td>18.572</td> | Aggregated Distribution Gen | PV | 304435 | MAXTON 115.00 | 18.572 |
| Aggregated Distribution Gen PV 304443 ROWLAND SUB 230.00 9.975 Aggregated Distribution Gen PV 304445 CHOCOWINITY 230.00 34.45 Aggregated Distribution Gen PV 304446 WEATHERSPOON230.00 26.288 Aggregated Distribution Gen PV 304448 FAIRMONT SUB115.00 27.817 Industrial Customer Gen A 304455 GIND 304455 230.00 42 Aggregated Distribution Gen PV 304459 GRIFTON 115.00 19.949 Aggregated Distribution Gen PV 304462 BAYBORO 230.00 9.998 Aggregated Distribution Gen PV 304463 NEW BERN WES230.00 4 Aggregated Distribution Gen PV 304463 NEW BERN WES230.00 25.46 Aggregated Distribution Gen PV 304464 BRIDGETON 115.00 9.974 Craven County Wood Energy 1 304472 CC WD EN SUB230.00 45 Industrial Customer Gen A 304476 3IND 304476 115.00 38 Aggregated Distribution Gen PV | Aggregated Distribution Gen | PV | 304436 | PEMBROKE 115.00 | 15.988 |
| Aggregated Distribution Gen PV 304445 CHOCOWINITY 230.00 34.45 Aggregated Distribution Gen PV 304446 WEATHERSPOON230.00 26.288 Aggregated Distribution Gen PV 304448 FAIRMONT SUB115.00 27.817 Industrial Customer Gen A 304455 GIND 304455 230.00 42 Aggregated Distribution Gen PV 304459 GRIFTON 115.00 19.949 Aggregated Distribution Gen PV 304462 BAYBORO 230.00 9.998 Aggregated Distribution Gen BG 304463 NEW BERN WES230.00 4 Aggregated Distribution Gen PV 304464 BRIDGETON 115.00 9.974 Craven County Wood Energy 1 304472 CC WD EN SUB230.00 45 Industrial Customer Gen A 304476 3IND 304476 115.00 38 Aggregated Distribution Gen PV 304483 NOW HILL 115.00 13.964 Aggregated Distribution Gen PV 304483 SNOW HILL 115.00 13.964 Aggregated Distribution Gen PV 304504 WARSAW 230 230.00 34.917 Aggregated Distribution Gen PV 304505 ROSE HILL 230.00 13.898 Aggregated Distribution Gen PV 304506 DOVER 230.00 14.946 Aggregated Distribution Gen PV 304513 BURGAWSUB 115.00 16.986 Aggregated Distribution Gen PV 304521 CATHERN LAKE 230.00 14.942 Aggregated Distribution Gen PV 304527 SWANSBORO 230.00 14.99 Aggregated Distribution Gen PV 304528 RHEMS 230.00 20.82 Aggregated Distribution Gen PV 304532 VISTA 115.00 4.59 Aggregated Distribution Gen PV 304532 VISTA 115.00 4.59 Aggregated Distribution Gen PV 304532 VISTA 115.00 4.59 Aggregated Distribution Gen PV 304537 LEJEUNER 230.00 12.75 Aggregated Distribution Gen PV 304566 GIND 304566 115.00 10.049 Aggregated Distribution Gen PV 304566 GIND 304566 115.00 10.049 Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Aggregated Distribution Gen | PV | 304439 | PA-LUMB#4 115.00 | 2 |
| Aggregated Distribution Gen PV 304446 WEATHERSPOON230.00 26.288 Aggregated Distribution Gen PV 304448 FAIRMONT SUB115.00 27.817 Industrial Customer Gen A 304455 6IND 304455 230.00 42 Aggregated Distribution Gen PV 304459 GRIFTON 115.00 19.949 Aggregated Distribution Gen PV 304462 BAYBORO 230.00 9.998 Aggregated Distribution Gen PV 304463 NEW BERN WES230.00 4 Aggregated Distribution Gen PV 304464 BRIDGETON 115.00 0.9.974 Craven County Wood Energy 1 304472 CC WD EN SUB230.00 45 Industrial Customer Gen A 304476 3IND 304476 115.00 38 Aggregated Distribution Gen PV 304483 SNOW HILL 115.00 13.964 Aggregated Distribution Gen PV 304504 WARSAW 230 230.00 34.917 Aggregated Distribution Gen PV 304505 ROSE HILL 230.00 13.898 Aggregated Distribution Gen PV 304506 DOVER 230.00 14.946 Aggregated Distribution Gen PV 304513 BURGAW SUB 115.00 19.492 Aggregated Distribution Gen PV 304521 CATHERN LAKE 230.00 1.753 Aggregated Distribution Gen PV 304528 RHEMS 230.00 14.992 Aggregated Distribution Gen PV 304528 RHEMS 230.00 14.99 Aggregated Distribution Gen PV 304528 RHEMS 230.00 12.75 Aggregated Distribution Gen PV 304537 LEIEUNE#2 230.00 12.75 Aggregated Distribution Gen PV 304566 6IND 304566 115.00 10.049 Aggregated Distribution Gen PV 304566 6IND 304566 115.00 10.049 Aggregated Distribution Gen PV 304566 6IND 304566 115.00 10.049 Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Aggregated Distribution Gen | PV | 304443 | ROWLAND SUB 230.00 | 9.975 |
| Aggregated Distribution Gen PV 304448 FAIRMONT SUB115.00 27.817 Industrial Customer Gen A 304455 GIND 304455 230.00 42 Aggregated Distribution Gen PV 304459 GRIFTON 115.00 19.949 Aggregated Distribution Gen PV 304462 BAYBORO 230.00 9.998 Aggregated Distribution Gen BG 304463 NEW BERN WES230.00 4 Aggregated Distribution Gen PV 304463 NEW BERN WES230.00 25.46 Aggregated Distribution Gen PV 304464 BRIDGETON 115.00 9.974 Craven County Wood Energy 1 304472 CC WD EN SUB230.00 45 Industrial Customer Gen A 304476 3IND 304476 115.00 38 Aggregated Distribution Gen PV 304483 SNOW HILL 115.00 13.964 Aggregated Distribution Gen PV 304504 WARSAW 230 230.00 34.917 Aggregated Distribution Gen PV 304505 ROSE HILL 230.00 13.898 Aggregated Distribution Gen PV | Aggregated Distribution Gen | PV | 304445 | CHOCOWINITY 230.00 | 34.45 |
| Industrial Customer Gen | Aggregated Distribution Gen | PV | 304446 | WEATHERSPOON230.00 | 26.288 |
| Aggregated Distribution Gen PV 304459 GRIFTON 115.00 19.949 Aggregated Distribution Gen PV 304462 BAYBORO 230.00 9.998 Aggregated Distribution Gen BG 304463 NEW BERN WES230.00 4 Aggregated Distribution Gen PV 304463 NEW BERN WES230.00 25.46 Aggregated Distribution Gen PV 304464 BRIDGETON 115.00 9.974 Craven County Wood Energy 1 304472 CC WD EN SUB230.00 45 Industrial Customer Gen A 304476 3IND 304476 115.00 38 Aggregated Distribution Gen PV 30483 SNOW HILL 115.00 13.964 Aggregated Distribution Gen PV 304504 WARSAW 230 230.00 34.917 Aggregated Distribution Gen PV 304505 ROSE HILL 230.00 13.898 Aggregated Distribution Gen PV 304506 DOVER 230.00 14.946 Aggregated Distribution Gen PV 304512 WALLACE SUB 115.00 16.986 Aggregated Distribution Gen PV 304513 BURGAWSUB 115.00 19.492 Aggregated Distribution Gen BG 304521 CATHERN LAKE 230.00 1.753 Aggregated Distribution Gen PV 304527 SWANSBORO 230.00 14.99 Aggregated Distribution Gen PV 304528 RHEMS 230.00 20.82 Aggregated Distribution Gen PV 304532 VISTA 115.00 4.59 Aggregated Distribution Gen PV 304532 VISTA 115.00 4.59 Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen PV 304566 GIND 304566 115.00 10.049 Aggregated Distribution Gen PV 304566 GIND 304566 115.00 10.049 Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Aggregated Distribution Gen | PV | 304448 | FAIRMONT SUB115.00 | 27.817 |
| Aggregated Distribution Gen PV 304462 BAYBORO 230.00 9.998 Aggregated Distribution Gen BG 304463 NEW BERN WES230.00 4 Aggregated Distribution Gen PV 304463 NEW BERN WES230.00 25.46 Aggregated Distribution Gen PV 304464 BRIDGETON 115.00 9.974 Craven County Wood Energy 1 304472 CC WD EN SUB230.00 45 Industrial Customer Gen A 304476 3IND 304476 115.00 38 Aggregated Distribution Gen PV 30483 SNOW HILL 115.00 13.964 Aggregated Distribution Gen PV 304504 WARSAW 230 230.00 34.917 Aggregated Distribution Gen PV 304505 ROSE HILL 230.00 13.898 Aggregated Distribution Gen PV 304506 DOVER 230.00 14.946 Aggregated Distribution Gen PV 304512 WALLACE SUB 115.00 16.986 Aggregated Distribution Gen PV 304513 BURGAWSUB 115.00 19.492 Aggregated Distribution Gen BG 304521 CATHERN LAKE 230.00 1.753 Aggregated Distribution Gen PV 304521 CATHERN LAKE 230.00 14.992 Aggregated Distribution Gen PV 304521 CATHERN LAKE 230.00 14.992 Aggregated Distribution Gen PV 304521 CATHERN LAKE 230.00 14.992 Aggregated Distribution Gen PV 304521 CATHERN LAKE 230.00 14.992 Aggregated Distribution Gen PV 304521 CATHERN LAKE 230.00 14.992 Aggregated Distribution Gen PV 304527 SWANSBORO 230.00 14.99 Aggregated Distribution Gen PV 304528 RHEMS 230.00 20.82 Aggregated Distribution Gen PV 304532 VISTA 115.00 4.59 Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen PV 304566 GIND 304566 115.00 10.049 Aggregated Distribution Gen PV 304566 GIND 304566 115.00 10.049 Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Industrial Customer Gen | А | 304455 | 6IND 304455 230.00 | 42 |
| Aggregated Distribution Gen BG 304463 NEW BERN WES230.00 4 Aggregated Distribution Gen PV 304463 NEW BERN WES230.00 25.46 Aggregated Distribution Gen PV 304464 BRIDGETON 115.00 9.974 Craven County Wood Energy 1 304472 CC WD EN SUB230.00 45 Industrial Customer Gen A 304476 3IND 304476 115.00 38 Aggregated Distribution Gen PV 30483 SNOW HILL 115.00 13.964 Aggregated Distribution Gen PV 304504 WARSAW 230 230.00 34.917 Aggregated Distribution Gen PV 304505 ROSE HILL 230.00 13.898 Aggregated Distribution Gen PV 304506 DOVER 230.00 14.946 Aggregated Distribution Gen PV 304512 WALLACE SUB 115.00 16.986 Aggregated Distribution Gen PV 304513 BURGAW SUB 115.00 19.492 Aggregated Distribution Gen BG 304521 CATHERN LAKE 230.00 1.753 Aggregated Distribution Gen PV 304527 SWANSBORO 230.00 14.99 Aggregated Distribution Gen PV 304528 RHEMS 230.00 20.82 Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen PV 304566 GIND 304566 115.00 10.049 Aggregated Distribution Gen PV 304566 GIND 304566 115.00 10.049 Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Aggregated Distribution Gen | PV | 304459 | GRIFTON 115.00 | 19.949 |
| Aggregated Distribution Gen PV 304463 NEW BERN WES230.00 25.46 Aggregated Distribution Gen PV 304464 BRIDGETON 115.00 9.974 Craven County Wood Energy 1 304472 CC WD EN SUB230.00 45 Industrial Customer Gen A 304476 3IND 304476 115.00 38 Aggregated Distribution Gen PV 304483 SNOW HILL 115.00 13.964 Aggregated Distribution Gen PV 304504 WARSAW 230 230.00 34.917 Aggregated Distribution Gen PV 304505 ROSE HILL 230.00 13.898 Aggregated Distribution Gen PV 304506 DOVER 230.00 14.946 Aggregated Distribution Gen PV 304512 WALLACE SUB 115.00 16.986 Aggregated Distribution Gen PV 304513 BURGAW SUB 115.00 19.492 Aggregated Distribution Gen PV 304521 CATHERN LAKE 230.00 1.753 Aggregated Distribution Gen PV 304521 CATHERN LAKE 230.00 4.992 Aggregated Distribution Gen PV 304527 SWANSBORO 230.00 14.99 Aggregated Distribution Gen PV 304532 VISTA 115.00 4.59 Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen PV 304566 GIND 304566 115.00 10.049 Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Aggregated Distribution Gen | PV | 304462 | BAYBORO 230.00 | 9.998 |
| Aggregated Distribution Gen PV 304464 BRIDGETON 115.00 9.974 Craven County Wood Energy 1 304472 CC WD EN SUB230.00 45 Industrial Customer Gen A 304476 3IND 304476 115.00 38 Aggregated Distribution Gen PV 304483 SNOW HILL 115.00 13.964 Aggregated Distribution Gen PV 304504 WARSAW 230 230.00 34.917 Aggregated Distribution Gen PV 304505 ROSE HILL 230.00 13.898 Aggregated Distribution Gen PV 304506 DOVER 230.00 14.946 Aggregated Distribution Gen PV 304512 WALLACE SUB 115.00 16.986 Aggregated Distribution Gen PV 304513 BURGAW SUB 115.00 19.492 Aggregated Distribution Gen BG 304521 CATHERN LAKE 230.00 1.753 Aggregated Distribution Gen PV 304527 SWANSBORO 230.00 14.99 Aggregated Distribution Gen PV 304528 RHEMS 230.00 20.82 Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen PV 304566 GIND 304566 115.00 10.049 Aggregated Distribution Gen PV 304566 GIND 304566 115.00 10.049 Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Aggregated Distribution Gen | BG | 304463 | NEW BERN WES230.00 | 4 |
| Craven County Wood Energy 1 304472 CC WD EN SUB230.00 45 Industrial Customer Gen A 304476 3IND 304476 115.00 38 Aggregated Distribution Gen PV 304483 SNOW HILL 115.00 13.964 Aggregated Distribution Gen PV 304504 WARSAW 230 230.00 34.917 Aggregated Distribution Gen PV 304505 ROSE HILL 230.00 13.898 Aggregated Distribution Gen PV 304506 DOVER 230.00 14.946 Aggregated Distribution Gen PV 304512 WALLACE SUB 115.00 16.986 Aggregated Distribution Gen PV 304513 BURGAWSUB 115.00 19.492 Aggregated Distribution Gen BG 304521 CATHERN LAKE230.00 1.753 Aggregated Distribution Gen PV 304521 CATHERN LAKE230.00 4.992 Aggregated Distribution Gen PV 304527 SWANSBORO 230.00 14.99 Aggregated Distribution Gen PV 304528 RHEMS 230.00 20.82 Aggregated Distribution Gen PV< | Aggregated Distribution Gen | PV | 304463 | NEW BERN WES230.00 | 25.46 |
| Industrial Customer Gen A 304476 3IND 304476 115.00 38 Aggregated Distribution Gen PV 304483 SNOW HILL 115.00 13.964 Aggregated Distribution Gen PV 304504 WARSAW 230 230.00 34.917 Aggregated Distribution Gen PV 304505 ROSE HILL 230.00 13.898 Aggregated Distribution Gen PV 304506 DOVER 230.00 14.946 Aggregated Distribution Gen PV 304512 WALLACE SUB 115.00 16.986 Aggregated Distribution Gen PV 304513 BURGAW SUB 115.00 19.492 Aggregated Distribution Gen BG 304521 CATHERN LAKE230.00 1.753 Aggregated Distribution Gen PV 304521 CATHERN LAKE230.00 4.992 Aggregated Distribution Gen PV 304527 SWANSBORO 230.00 14.99 Aggregated Distribution Gen PV 304528 RHEMS 230.00 20.82 Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen <t< td=""><td>Aggregated Distribution Gen</td><td>PV</td><td>304464</td><td>BRIDGETON 115.00</td><td>9.974</td></t<> | Aggregated Distribution Gen | PV | 304464 | BRIDGETON 115.00 | 9.974 |
| Aggregated Distribution Gen PV 304483 SNOW HILL 115.00 13.964 Aggregated Distribution Gen PV 304504 WARSAW 230 230.00 34.917 Aggregated Distribution Gen PV 304505 ROSE HILL 230.00 13.898 Aggregated Distribution Gen PV 304506 DOVER 230.00 14.946 Aggregated Distribution Gen PV 304512 WALLACE SUB 115.00 16.986 Aggregated Distribution Gen PV 304513 BURGAW SUB 115.00 19.492 Aggregated Distribution Gen BG 304521 CATHERN LAKE 230.00 1.753 Aggregated Distribution Gen PV 304521 CATHERN LAKE 230.00 4.992 Aggregated Distribution Gen PV 304527 SWANSBORO 230.00 14.99 Aggregated Distribution Gen PV 304528 RHEMS 230.00 20.82 Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen | Craven County Wood Energy | 1 | 304472 | CC WD EN SUB230.00 | 45 |
| Aggregated Distribution Gen PV 304504 WARSAW 230 230.00 34.917 Aggregated Distribution Gen PV 304505 ROSE HILL 230.00 13.898 Aggregated Distribution Gen PV 304506 DOVER 230.00 14.946 Aggregated Distribution Gen PV 304512 WALLACE SUB 115.00 16.986 Aggregated Distribution Gen PV 304513 BURGAW SUB 115.00 19.492 Aggregated Distribution Gen BG 304521 CATHERN LAKE230.00 1.753 Aggregated Distribution Gen PV 304521 CATHERN LAKE230.00 4.992 Aggregated Distribution Gen PV 304527 SWANSBORO 230.00 14.99 Aggregated Distribution Gen PV 304528 RHEMS 230.00 20.82 Aggregated Distribution Gen PV 304532 VISTA 115.00 4.59 Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen PV 304565 EAGLE ISLAND115.00 3.083 Aggregated Distribution Gen | Industrial Customer Gen | Α | 304476 | 3IND 304476 115.00 | 38 |
| Aggregated Distribution Gen PV 304505 ROSE HILL 230.00 13.898 Aggregated Distribution Gen PV 304506 DOVER 230.00 14.946 Aggregated Distribution Gen PV 304512 WALLACE SUB 115.00 16.986 Aggregated Distribution Gen PV 304513 BURGAW SUB 115.00 19.492 Aggregated Distribution Gen BG 304521 CATHERN LAKE 230.00 1.753 Aggregated Distribution Gen PV 304521 CATHERN LAKE 230.00 4.992 Aggregated Distribution Gen PV 304527 SWANSBORO 230.00 14.99 Aggregated Distribution Gen PV 304528 RHEMS 230.00 20.82 Aggregated Distribution Gen PV 304532 VISTA 115.00 4.59 Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen PV 304565 EAGLE ISLAND 115.00 3.083 Aggregated Distribution Gen PV 304566 GIND 304566 115.00 10.049 Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Aggregated Distribution Gen | PV | 304483 | SNOW HILL 115.00 | 13.964 |
| Aggregated Distribution Gen PV 304506 DOVER 230.00 14.946 Aggregated Distribution Gen PV 304512 WALLACE SUB 115.00 16.986 Aggregated Distribution Gen PV 304513 BURGAW SUB 115.00 19.492 Aggregated Distribution Gen BG 304521 CATHERN LAKE 230.00 1.753 Aggregated Distribution Gen PV 304521 CATHERN LAKE 230.00 4.992 Aggregated Distribution Gen PV 304527 SWANSBORO 230.00 14.99 Aggregated Distribution Gen PV 304528 RHEMS 230.00 20.82 Aggregated Distribution Gen PV 304532 VISTA 115.00 4.59 Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen PV 304565 EAGLE ISLAND 115.00 3.083 Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Aggregated Distribution Gen | PV | 304504 | WARSAW 230 230.00 | 34.917 |
| Aggregated Distribution Gen PV 304512 WALLACE SUB 115.00 16.986 Aggregated Distribution Gen PV 304513 BURGAW SUB 115.00 19.492 Aggregated Distribution Gen BG 304521 CATHERN LAKE230.00 1.753 Aggregated Distribution Gen PV 304521 CATHERN LAKE230.00 4.992 Aggregated Distribution Gen PV 304527 SWANSBORO 230.00 14.99 Aggregated Distribution Gen PV 304528 RHEMS 230.00 20.82 Aggregated Distribution Gen PV 304532 VISTA 115.00 4.59 Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen PV 304565 EAGLE ISLAND115.00 3.083 Aggregated Distribution Gen PV 304566 6IND 304566 115.00 10.049 Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Aggregated Distribution Gen | PV | 304505 | ROSE HILL 230.00 | 13.898 |
| Aggregated Distribution Gen Aggregated Distribution Gen BG BG BG BG BG BG BG BG BG B | Aggregated Distribution Gen | PV | 304506 | DOVER 230.00 | 14.946 |
| Aggregated Distribution Gen PV 304521 CATHERN LAKE230.00 1.753 Aggregated Distribution Gen PV 304521 CATHERN LAKE230.00 4.992 Aggregated Distribution Gen PV 304527 SWANSBORO 230.00 14.99 Aggregated Distribution Gen PV 304528 RHEMS 230.00 20.82 Aggregated Distribution Gen PV 304532 VISTA 115.00 4.59 Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen PV 304565 EAGLE ISLAND115.00 3.083 Aggregated Distribution Gen PV 304566 6IND 304566 115.00 10.049 Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Aggregated Distribution Gen | PV | 304512 | WALLACE SUB 115.00 | 16.986 |
| Aggregated Distribution Gen PV 304521 CATHERN LAKE230.00 4.992 Aggregated Distribution Gen PV 304527 SWANSBORO 230.00 14.99 Aggregated Distribution Gen PV 304528 RHEMS 230.00 20.82 Aggregated Distribution Gen PV 304532 VISTA 115.00 4.59 Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen PV 304565 EAGLE ISLAND115.00 3.083 Aggregated Distribution Gen PV 304566 6IND 304566 115.00 10.049 Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Aggregated Distribution Gen | PV | 304513 | BURGAWSUB 115.00 | 19.492 |
| Aggregated Distribution Gen PV 304527 SWANSBORO 230.00 14.99 Aggregated Distribution Gen PV 304528 RHEMS 230.00 20.82 Aggregated Distribution Gen PV 304532 VISTA 115.00 4.59 Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen PV 304565 EAGLE ISLAND115.00 3.083 Aggregated Distribution Gen PV 304566 6IND 304566 115.00 10.049 Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Aggregated Distribution Gen | BG | 304521 | CATHERN LAKE230.00 | 1.753 |
| Aggregated Distribution Gen PV 304528 RHEMS 230.00 20.82 Aggregated Distribution Gen PV 304532 VISTA 115.00 4.59 Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen PV 304565 EAGLE ISLAND115.00 3.083 Aggregated Distribution Gen PV 304566 6IND 304566 115.00 10.049 Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Aggregated Distribution Gen | PV | 304521 | CATHERN LAKE230.00 | 4.992 |
| Aggregated Distribution Gen PV 304532 VISTA 115.00 4.59 Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen PV 304565 EAGLE ISLAND115.00 3.083 Aggregated Distribution Gen PV 304566 6IND 304566 115.00 10.049 Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Aggregated Distribution Gen | PV | 304527 | SWANSBORO 230.00 | 14.99 |
| Aggregated Distribution Gen PV 304537 LEJEUNE#2 230.00 12.75 Aggregated Distribution Gen PV 304565 EAGLE ISLAND115.00 3.083 Aggregated Distribution Gen PV 304566 6IND 304566 115.00 10.049 Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Aggregated Distribution Gen | PV | 304528 | RHEMS 230.00 | 20.82 |
| Aggregated Distribution Gen PV 304565 EAGLE ISLAND115.00 3.083 Aggregated Distribution Gen PV 304566 6IND 304566 115.00 10.049 Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Aggregated Distribution Gen | PV | 304532 | VISTA 115.00 | 4.59 |
| Aggregated Distribution Gen PV 304566 61ND 304566 115.00 10.049 Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Aggregated Distribution Gen | PV | 304537 | LEJEUNE#2 230.00 | 12.75 |
| Aggregated Distribution Gen PV 304570 CLARKTON 115.00 11.947 | Aggregated Distribution Gen | PV | 304565 | EAGLE ISLAND 115.00 | 3.083 |
| 00 -0.000 | Aggregated Distribution Gen | PV | 304566 | 6IND 304566 115.00 | 10.049 |
| Aggregated Distribution Gen PV 304572 ELIZTOWN SUB115.00 4.8 | Aggregated Distribution Gen | PV | 304570 | CLARKTON 115.00 | 11.947 |
| | Aggregated Distribution Gen | PV | 304572 | ELIZTOWN SUB115.00 | 4.8 |

| TDAL | 11 6 3 4 | 1 1 | O M | PAIL ALI | | UI C |
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| I IVA | 12111 | 1221 | 011 | 1 5 75 | | 110 |

| Aggregated Distribution Gen | PV | 304574 | BLADENBORO 115.00 | 14.525 |
|-----------------------------|----|--------|--------------------|--------|
| Aggregated Distribution Gen | PV | 304575 | LAKE WACCA 115.00 | 4.975 |
| Aggregated Distribution Gen | PV | 304584 | GARLAND 230.00 | 9.998 |
| Aggregated Distribution Gen | PV | 304589 | CHADBORN 115.00 | 13.8 |
| Aggregated Distribution Gen | PV | 304593 | 3IND 304593 115.00 | 5 |
| Aggregated Distribution Gen | PV | 304596 | TABOR CITY 115.00 | 5 |
| Aggregated Distribution Gen | PV | 304599 | FAIR BLUFF 115.00 | 5 |
| Co-gen Southport | 1 | 304601 | COG SPRT SUB230.00 | 45 |
| Co-gen Southport | 2 | 304601 | COG SPRT SUB230.00 | 45 |
| Co-gen Lumberton | 1 | 304603 | COG LUMB SUB115.00 | 32 |
| Aggregated Distribution Gen | PV | 304609 | SAMARIA 115.00 | 23.963 |
| Aggregated Distribution Gen | PV | 304613 | FLOR MARBLUF115.00 | 10 |
| Aggregated Distribution Gen | PV | 304623 | WHITEVL SUB 115.00 | 9.948 |
| Aggregated Distribution Gen | PV | 304627 | DELCO 115.00 | 9.5 |
| Aggregated Distribution Gen | PV | 304629 | NICHOLS 115.00 | 5 |
| Aggregated Distribution Gen | PV | 304632 | MARION115 TT115.00 | 8.96 |
| Aggregated Distribution Gen | PV | 304637 | TROY BURN ST115.00 | 9.998 |
| Industrial Customer Gen | 1 | 304641 | 3IND 304641 115.00 | 68 |
| Aggregated Distribution Gen | PV | 304644 | PAMPLICO 115.00 | 6.799 |
| Aggregated Distribution Gen | PV | 304645 | HEMINGWAY 115.00 | 10 |
| Aggregated Distribution Gen | PV | 304649 | DARL PINEVIL115.00 | 2.02 |
| Aggregated Distribution Gen | PV | 304659 | FLOSUB115WTT115.00 | 1.055 |
| Aggregated Distribution Gen | PV | 304660 | DARLINGTON 115.00 | 10.586 |
| Aggregated Distribution Gen | PV | 304664 | DILLON MAPLE230.00 | 9.996 |
| Aggregated Distribution Gen | PV | 304671 | FLOR SARDIS 230.00 | 1.116 |
| Aggregated Distribution Gen | PV | 304672 | 6IND 304672 230.00 | 2.02 |
| Aggregated Distribution Gen | PV | 304675 | LAKE CITY 230.00 | 3.98 |
| Aggregated Distribution Gen | PV | 304676 | KINGSTREE N 230.00 | 1.018 |
| Aggregated Distribution Gen | PV | 304681 | MANNING 115.00 | 4 |
| Aggregated Distribution Gen | BG | 304692 | 3IND 304692 115.00 | 1.546 |
| Aggregated Distribution Gen | PV | 304701 | SUMMERTON 230.00 | 4.06 |

| Aggregated Distribution Gen | PV | 304705 | SOCIETY HILL230.00 | 2 |
|-----------------------------|----|--------|--------------------|------|
| Aggregated Distribution Gen | PV | 304711 | ELLIOTT SUB 230.00 | 3.96 |
| Aggregated Distribution Gen | PV | 304712 | BISHOPVILLE 230.00 | 11.6 |
| Brunswick | 1 | 304862 | BRUNSWICK#124.000 | 938 |
| Brunswick | 1 | 304863 | BRUNSWICK#2 24.000 | 932 |
| Robinson | 1 | 304864 | ROBINSON#2 22.000 | 741 |
| Harris | 1 | 304865 | HARRIS 22.000 | 976 |
| Roxboro | 1 | 304869 | ROXBORO#1 22.000 | 379 |
| Roxboro | 1 | 304870 | ROXBORO#2 24.000 | 668 |
| Roxboro | 1 | 304871 | ROXBORO#3 24.000 | 694 |
| Roxboro | 1 | 304872 | ROXBORO#4 24.000 | 698 |
| Mayo | 1 | 304873 | MAYO #1 20.000 | 727 |
| Tillery | 1 | 304888 | TILLERY#1 13.800 | 21 |
| Tillery | 1 | 304889 | TILLERY#2 13.800 | 18 |
| Tillery | 1 | 304890 | TILLERY#3 13.800 | 21 |
| Tillery | 1 | 304891 | TILLERY#4 13.800 | 24 |
| Blewett | 1 | 304892 | BLEWETTE 1-34.8000 | 4 |
| Blewett | 2 | 304892 | BLEWETTE 1-34.8000 | 4 |
| Blewett | 3 | 304892 | BLEWETTE 1-34.8000 | 4 |
| Blewett | 4 | 304893 | BLEWETTE 4-64.0000 | 5 |
| Blewett | 5 | 304893 | BLEWETTE 4-64.0000 | 5 |
| Blewett | 6 | 304893 | BLEWETTE 4-64.0000 | 5 |
| Darlington County | 1 | 304897 | DARLCO#1 13.800 | 50 |
| Darlington County | 2 | 304898 | DARLCO#2 13.800 | 48 |
| Darlington County | 3 | 304899 | DARLCO#3 13.800 | 50 |
| Darlington County | 4 | 304900 | DARL CO#4 13.800 | 48 |
| Darlington County | 6 | 304902 | DARLCO#6 13.800 | 43 |
| Darlington County | 7 | 304903 | DARLCO#7 13.800 | 47 |
| Darlington County | 8 | 304904 | DARL CO#8 13.800 | 44 |
| Darlington County | 10 | 304906 | DARL CO #10 13.800 | 49 |
| Darlington County | 12 | 304908 | DARLCO#12 13.800 | 118 |

| Darlington County | 13 | 304909 | DARLCO#13 13.800 | 116 |
|-------------------|----|--------|-------------------|-----|
| Sutton | 4 | 304919 | SUTTONCT4 13.800 | 42 |
| Sutton | 5 | 304920 | SUTTONCT5 13.800 | 42 |
| Weatherspoon | Α | 304924 | WSPN IC#1 13.800 | 31 |
| Weatherspoon | Α | 304925 | WSPN IC#2 13.800 | 31 |
| Weatherspoon | Α | 304927 | WSPN IC#3 13.800 | 32 |
| Weatherspoon | Α | 304928 | WSPN IC#4 13.800 | 30 |
| Blewett | C1 | 304933 | BLW IC 1&2 13.800 | 13 |
| Blewett | C2 | 304933 | BLW IC 1&2 13.800 | 13 |
| Blewett | C3 | 304934 | BLW IC 3&4 13.800 | 13 |
| Blewett | C4 | 304934 | BLW IC 3&4 13.800 | 13 |
| Fayetteville PWC | Α | 304940 | FAY PWC1 13.800 | 20 |
| Fayetteville PWC | Α | 304941 | FAY PWC2 13.800 | 20 |
| Fayetteville PWC | Α | 304942 | FAY PWC3 13.200 | 20 |
| Fayetteville PWC | Α | 304943 | FAY PWC4 13.200 | 20 |
| Fayetteville PWC | Α | 304944 | FAY PWC5 13.800 | 20 |
| Fayetteville PWC | Α | 304945 | FAY PWC6 13.800 | 20 |
| Fayetteville PWC | Α | 304946 | FAY PWC7 13.800 | 20 |
| Fayetteville PWC | Α | 304947 | FAY PWC8 13.800 | 20 |
| Fayetteville PWC | Α | 304948 | FAY PWC ST 13.800 | 60 |
| Wayne County | 10 | 304956 | WAYNE CO#1018.000 | 177 |
| Wayne County | 11 | 304957 | WAYNE CO#1118.000 | 174 |
| Wayne County | 12 | 304958 | WAYNE CO#1218.000 | 173 |
| Wayne County | 13 | 304959 | WAYNE CO#1318.000 | 170 |
| Wayne County | 14 | 304960 | WAYNE CO#1418.000 | 163 |
| Lee | 1A | 304961 | LEE CC_1A 16.500 | 170 |
| Lee | 1B | 304962 | LEE CC_1B 16.500 | 170 |
| Lee | 1C | 304963 | LEE CC_1C 16.500 | 170 |
| Lee | S1 | 304964 | LEE CC_S1 19.500 | 378 |
| Richmond County | 1 | 304971 | RICH CT1 18.000 | 157 |
| Richmond County | 2 | 304972 | RICH CT2 18.000 | 156 |
| | | | | |

| Richmond County | 3 | 304973 | RICH CT3 18.000 | 155 |
|-----------------------|----|--------|--------------------|------|
| Richmond County | 4 | 304974 | RICH CT4 18.000 | 159 |
| Richmond County | 6 | 304975 | RICH CT6 18.000 | 145 |
| Richmond County | 7 | 304976 | RICH CT7 18.000 | 194 |
| Richmond County | 8 | 304977 | RICH CT8 18.000 | 194 |
| Richmond County | S4 | 304978 | RICH ST4 18.000 | 182 |
| Richmond County | 9 | 304979 | RICH CT9 16.500 | 174 |
| Richmond County | 10 | 304980 | RICH CT10 16.500 | 175 |
| Richmond County | S5 | 304981 | RICH ST5 18.000 | 248 |
| Hamlet | 1 | 304987 | HAMLET CT1 13.800 | 56 |
| Hamlet | 2 | 304988 | HAMLET CT2 13.800 | 56 |
| Hamlet | 3 | 304989 | HAMLET CT3 13.800 | 56 |
| Hamlet | 4 | 304990 | HAMLET CT4 13.800 | 56 |
| Hamlet | 5 | 304991 | HAMLET CT5 13.800 | 56 |
| Hamlet | 6 | 304992 | HAMLET CT6 13.800 | 56 |
| Anson | 1 | 304993 | ANSON CT1 13.800 | 62 |
| Anson | 2 | 304994 | ANSON CT2 13.800 | 62 |
| Anson | 3 | 304995 | ANSON CT3 13.800 | 62 |
| Anson | 4 | 304996 | ANSON CT4 13.800 | 62 |
| Anson | 5 | 304997 | ANSON CT5 13.800 | 62 |
| Anson | 6 | 304998 | ANSON CT6 13.800 | 62 |
| Fayetteville Solar | PV | 305224 | FAYSOL-GLV 0.4800 | 23.4 |
| Elm City Solar | PV | 305314 | ELMCTYSOLGLV0.3600 | 40.7 |
| Eden Solar | PV | 305324 | EDENSOL1GLV 0.3800 | 24.4 |
| Eden Solar | PV | 305327 | EDENSOL2GLV 0.3800 | 24.4 |
| Bladenboro Solar | PV | 305334 | BLADENSOLGLV0.3700 | 35 |
| County Line Solar | PV | 305384 | COLINSOL1GLV0.3700 | 71 |
| Rowan Solar Programme | PV | 305394 | ROWANSOL1GLV0.3570 | 20.5 |
| Rowan Solar | PV | 305397 | ROWANSOL2GLV0.3570 | 18.9 |
| Sneedsboro Solar | PV | 305404 | SNEEDSOL1GLV0.3570 | 37.3 |
| Sneedsboro Solar | PV | 305407 | SNEEDSOL2GLV0.3570 | 42.4 |

| Roslin Solar | PV | 305414 | ROSLNSOL1GLV0.3700 | 40 |
|----------------------|----|--------|--------------------|-------|
| Roslin Solar | PV | 305417 | ROSLNSOL2GLV0.3700 | 39 |
| Maxton Solar | PV | 305424 | MAXTNSOLGLV 0.3700 | 34.4 |
| Sandy Bottom Solar | PV | 305454 | SANDYBSOLGLV0.6000 | 49.6 |
| Willard Solar | PV | 305474 | WILARDSOLGLV0.6000 | 34.7 |
| Turnbull Creek Solar | PV | 305534 | TURNBLSOLGLV0.5500 | 51 |
| Shoe Creek Solar | PV | 305634 | SHOECKSOLGLV0.3850 | 65.36 |
| Bullocksville Solar | PV | 305644 | BULLOKSOLGLV0.3850 | 50.58 |
| Fox Creek Solar | PV | 305664 | FOXCRKSOLGLV0.5500 | 50.2 |
| Frazier Solar | PV | 305674 | FRAZERSOLGLV0.5500 | 51 |
| Buckleberry Solar | PV | 305714 | BUKLEBSOLGLV0.5500 | 52.9 |
| Crooked Run Solar | PV | 305884 | CROOKDSOLGLV0.5500 | 71.25 |
| Warsaw Solar | PV | 305903 | WARSWSOL1GLV0.3600 | 40.2 |
| Warsaw Solar | PV | 305906 | WARSWSOL2GLV0.3600 | 25.6 |
| Sutton | 1A | 305911 | SUT CC 1A 16.500 | 170 |
| Sutton | 1B | 305912 | SUT CC 1B 16.500 | 171 |
| Sutton | ST | 305913 | SUT CC ST 21.000 | 266 |



Appendix 4: Duke Progress West BAA

The following information provides a more granular overview of the Duke Progress West BAA input assumptions and transmission expansion plan that are incorporated in the development of the SERTP regional transmission plan.

Table A4.1: 2021 SERTP Regional Transmission Plan – Transmission Project Snapshot by operating voltage (Duke Progress West BAA)

| Duke Progress West BAA | 100-120 | 121-150 | 151-199 | 200-299 | 300-399 | 400-550 |
|--|---------|---------|---------|---------|---------|---------|
| | kV | kV | kV | kV | kV | kV |
| Transmission lines - New (Circuit Mi.) | 2.2 | | | 10 | | |
| Transmission Lines — Uprates¹ (Circuit Mi.) | 2.7 | | | | | - |
| Transformers ² - New | | | _ | - | _ | |
| Transformers ² - Replacements | 3 | | | 2 | | |

¹A transmission line uprate may be the result of reconductoring and/or increasing the operating temperature/voltage along the transmission line.

Table A4.2: Interface commitments¹ modeled in the SERTP Summer Peak models – Duke Progress West BAA

| То | 2023 | 2026 | 2031 |
|--------------------|------|------|------|
| Duke Progress East | -150 | -150 | -100 |
| Duke Carolinas | 0 | 0 | 0 |
| SC | -22 | -22 | -22 |
| TVA | -14 | -14 | -14 |
| Total | -186 | -186 | -136 |

¹A positive number represents a net export from the Duke Progress West BAA

²The voltages shown represent the operating voltages on the high side terminals of the transformer



A detailed listing of the changes in generation assumptions within the Duke Progress West BAA throughout the ten (10) year planning horizon, including the year(s) in which they occur, is provided in Table A4.3 below. Table A4.4 provides a listing of generation assumptions based upon long-term, firm point-to-point commitments. The capacity (MW) values shown for each year reflect summer peak conditions. Table A4.5 provides a listing of all generators modeled in the 2023 Version 2 Summer Peak powerflow model.

Table A4.3: Changes in Generation Assumptions Based Upon LSEs – Duke Progress West BAA

| Site | 2022 | 2023 | | 2025 | | | 2028 | 2030 | 2031 |
|------|------|------|--|------|--|--|------|------|------|
| | None | | | | | | | | |

Table A4.4: Generation Assumptions Based Upon Expected Long-term, Firm Point-to-Point Commitments – Duke Progress West BAA

| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|------|------|------|------|------|------|------|------|------|------|------|
| | | | | None | | | | | | |

Table A4.5: Generating Units Modeled in the 2023 Version 2 Summer Peak Powerflow Model – Duke Progress West BAA

| Plant | Unit | Bus# | Bus Name | Pmax (MW) |
|--------------------------------|------|--------|--------------------|-----------|
| Aggregated Distribution Gen | PV | 304743 | CANTON115TT115.00 | 1.5 |
| Aggregated Distribution Gen | BG | 304759 | LEICESTER 115.00 | 1.415 |
| Aggregated Distribution Gen | PV | 304759 | LEICESTER 115.00 | 3.59 |
| Aggregated Distribution Gen | НҮ | 304766 | ELK MOUNTAIN115.00 | 2.5 |
| Aggregated Distribution Gen | НҮ | 304772 | BARNARDSVILE115.00 | 1 |
| Aggregated Distribution Gen | PV | 304791 | WESTASHEV TT115.00 | 1.857 |

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| Aggregated Distribution Gen | ВА | 304805 | ASH ROCK HIL115.00 | 8.8 |
|-----------------------------|----|--------|--------------------|-------|
| Aggregated Distribution Gen | PV | 304818 | BALDWIN 115.00 | 1.424 |
| Walters | 1 | 304853 | WALTERS#1 13.800 | 36 |
| Walters | 1 | 304854 | WALTERS#2 13.800 | 40 |
| Walters | 1 | 304855 | WALTERS#3 13.800 | 36 |
| Marshall | 1 | 304856 | MARSHAL 1&2 4.1600 | 2 |
| Marshall | 2 | 304856 | MARSHAL 1&2 4.1600 | 2 |
| Asheville | 3 | 304858 | ASHVL #3CT 18.000 | 160 |
| Asheville | 4 | 304859 | ASHVL #4CT 18.000 | 160 |
| Asheville | 5 | 304875 | ASHVCC1CT5 18.000 | 165 |
| Asheville | 6 | 304876 | ASHVCC1ST6 13.800 | 95 |
| Asheville | 7 | 304877 | ASHVCC2CT7 18.000 | 165 |
| Asheville | 8 | 304878 | ASHVCC2ST8 13.800 | 95 |

Appendix 5: GULF POWER BAA

The following information provides a more granular overview of the future GULF Power BAA input assumptions and transmission expansion plan that are incorporated in the development of the SERTP regional transmission plan.

Table A5.1: 2021 SERTP Regional Transmission Plan – Transmission Project Snapshot by operating voltage (GULF POWER BAA)

| | | | , , | <i>y</i> 1 | 0 0 | | |
|---|---------|---------|---------|------------|-------------|-------------|--|
| GULF POWER BAA | 100-120 | 121-150 | 151-199 | 200-299 | 300-399 | 400-550 | |
| | kV | kV | kV | kV | kV | kV | |
| Transmission lines - New | C1 9 | | 176 | 35 | | | |
| (Circuit Mi.) | 61.8 | | 176 | 35 | | | |
| Transmission Lines - Uprates ¹ | 25 | | | 16.0 | | | |
| (Circuit Mi.) | 25 | | | 16.9 | | | |
| Transformers ² - New | 1 | - | 1 | - | | | |
| Transformers ² - Replacements | 1 | | | | | | |
| | | | | | | | |

¹A transmission line uprate may be the result of reconductoring and/or increasing the operating temperature/voltage along the transmission line.

Table A5.2: Interface commitments¹ modeled in the SERTP Summer Peak models – GULF POWER BAA

| То | 2023 | 2026 | 2031 |
|----------|----------|----------|--------|
| Southern | -1745.34 | -865.492 | -870.5 |
| Total | -1745.34 | -865.492 | -870.5 |

¹A positive number represents a net export from the GULF Power BAA

²The voltages shown represent the operating voltages on the high side terminals of the transformer

A detailed listing of the changes in generation assumptions within the future GULF Power BAA throughout the ten (10) year planning horizon, including the year(s) in which they occur, is provided in Table A5.3 below. Table A5.4 provides a listing of generation assumptions based upon long-term, firm delivery service commitments. The capacity (MW) values shown for each year reflect summer peak conditions. Table A5.5 provides a listing of all generators modeled in the 2023 Version 2 Summer Peak powerflow model.

Table A5.3: Changes in Generation Assumptions Based Upon LSEs – GULF POWER BAA

| abieribier ditanges in | nerio.o. dianges in deneration rissumptions based opon bo | | | | | | | 15 GODI I OVVER DINI | | | | |
|------------------------|---|------|------|------|------|------|------|----------------------|------|------|--|--|
| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | | |
| Crist | 1862 | 1862 | 1862 | 1862 | 1862 | 1862 | 1862 | 1862 | 1862 | 1862 | | |
| Cotton Creek | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | | |
| Blue Spring | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | | |
| Flowers Creek | | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | | |
| Wild Azalea | | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | | |
| Apalachee | | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | | |
| Blackwater River | | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | | |
| Canoe | | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | | |
| Chautauqua | | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | | |
| Chipola | | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | | |
| First City | | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | | |
| Horus | | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | | |

Table A5.4: Generation Assumptions Based Upon Expected Long-term, Firm Point-to-Point Commitments – GULF POWER BAA

| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---------|------|------|------|------|------|------|------|------|------|------|
| Daniel | 500 | 500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Scherer | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 | 220 |

| Central Alabama | 885 | | | | | | | | | |
|-----------------|-----|-----|-----|-----|------|------|------|------|------|------|
| FPL | 500 | 500 | 850 | 850 | -600 | -600 | -700 | -700 | -850 | -850 |

Table A5.5: Generating Units Modeled in the 2023 Version 2 Summer Peak Powerflow Model – GULF POWER BAA

| Plant | Unit | Bus# | Bus Name | Pmax (MW) |
|--------------------|------|--------|--------------------|-----------|
| BLUE INDIGO 0.6000 | 1 | 397041 | BLUE INDIGO 0.6000 | 74.5 |
| GP-IC621_PV 0.6000 | 1 | 397042 | GP-IC621_PV 0.6000 | 74.5 |
| GP-IC643_PV 0.6000 | 1 | 397043 | GP-IC643_PV 0.6000 | 74.5 |
| CRIST8-CTA 18.000 | 30 | 397440 | CRIST8-CTA 18.000 | 235 |
| CRIST8-CTB 18.000 | 30 | 397441 | CRIST8-CTB 18.000 | 235 |
| CRIST8-CTC 18.000 | 30 | 397442 | CRIST8-CTC 18.000 | 235 |
| CRIST8-CTD 18.000 | 30 | 397443 | CRIST8-CTD 18.000 | 235 |
| LSMITH A 13.800 | А | 397680 | LSMITH A 13.800 | 32 |
| LSMITH 3ST 18.000 | 3 | 397683 | LSMITH 3ST 18.000 | 233 |
| LSMITH 3A 18.000 | 3A | 397684 | LSMITH 3A 18.000 | 221 |
| LSMITH 3B 18.000 | 3B | 397685 | LSMITH 3B 18.000 | 221 |
| CRIST 4 13.800 | 4 | 397704 | CRIST 4 13.800 | 79 |
| CRIST 5 13.800 | 5 | 397705 | CRIST 5 13.800 | 79 |
| CRIST 6 24.000 | 6 | 397706 | CRIST 6 24.000 | 310 |
| CRIST 7 20.000 | 7 | 397707 | CRIST 7 20.000 | 504 |



Appendix 6: LG&E/KU BAA

The following information provides a more granular overview of the LG&E/KU BAA input assumptions and transmission expansion plan that are incorporated in the development of the SERTP regional transmission plan.

Table A6.1: 2021 SERTP Regional Transmission Plan – Transmission Project Snapshot by operating voltage (LG&E/KU BAA)

| | | | 7 | The state of the s | | |
|--|---------|---------|---------|--|---------|---------|
| LG&E/KU BAA | 100-120 | 121-150 | 151-199 | 200-299 | 300-399 | 400-550 |
| | kV | kV | kV | kV | kV | kV |
| Transmission lines – New (Circuit Mi.) | | | | | | |
| Transmission Lines — Uprates¹ (Circuit Mi.) | | 1.82 | | | 14.29 | |
| Transformers ² - New | - | | | | 2 | |
| Transformers ² - Replacements | | | | | | |

¹A transmission line uprate may be the result of reconductoring and/or increasing the operating temperature/voltage along the transmission line.

Table A6.2: Interface commitments¹ modeled in the SERTP Summer Peak models – LG&E/KU BAA

| То | 2023 | 2026 | 2031 |
|---------------------|--------|--------|--------|
| PJM | 725.8 | 725.8 | 725.8 |
| OVEC | -179 | -179 | -179 |
| MISO | -389.9 | -390.9 | -390.9 |
| Owensboro Municipal | 0 | 0 | 0 |
| TVA | -55 | -58 | -61 |
| Total | 101.9 | 97.9 | 94.9 |

¹A positive number represents a net export from the LG&E/KU BAA

²The voltages shown represent the operating voltages on the high side terminals of the transformer



A detailed listing of the changes in generation assumptions within the LG&E/KU BAA throughout the ten (10) year planning horizon, including the year(s) in which they occur, is provided in Table A6.3 below. Furthermore, supplemental information regarding noteworthy generation expansion and retirements/decertifications included in the 2021 series set of SERTP powerflow models is provided below while Table A6.4 provides a listing of generation assumptions based upon long-term, firm point-to-point commitments. The capacity (MW) values shown for each year reflect summer peak conditions. Table A6.5 provides a listing of all generators modeled in the 2023 Version 2 Summer Peak powerflow model.

Table A6.3: Changes in Generation Assumptions Based Upon LSEs - LG&E/KU BAA

| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|---------|------|------|------|------|------|------|------|------|------|------|
| Ashwood | 0 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 |

Table A6.4: Generation Assumptions Based Upon Expected Long-term, Firm Point-to-Point Commitments – LG&E/KU BAA

| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|----------------|------|------|------|------|------|------|------|------|------|------|
| Trimble County | 324 | 324 | 324 | 324 | 324 | 324 | 324 | 324 | 324 | 324 |

Table A6.5: Generating Units Modeled in the 2023 Version 2 Summer Peak Powerflow Model - LG&E/KU BAA

| Plant | Unit | Bus# | Bus Name | Pmax (MW) |
|------------|------|--------|-------------------|-----------|
| E.W. Brown | 3 | 324002 | 1BROWN 3 24.000 | 456 |
| E.W. Brown | 5 | 324003 | 1BROWN 5 13.800 | 131 |
| E.W. Brown | 6 | 324004 | 1BROWN 6 18.000 | 149 |
| E.W. Brown | 7 | 324005 | 1BROWN 7 18.000 | 151 |
| E.W. Brown | 8 | 324006 | 1BROWN 8 13.800 | 122 |
| E.W. Brown | 9 | 324007 | 1BROWN 9 13.800 | 122 |
| E.W. Brown | 10 | 324008 | 1BROWN 10 13.800 | 122 |
| E.W. Brown | 11 | 324009 | 1BROWN 11 13.800 | 122 |
| Dix Dam | 1 | 324014 | 1DIX DAM 1 13.200 | 11.2 |
| Dix Dam | 2 | 324015 | 1DIX DAM 2 13.200 | 11.2 |
| Dix Dam | 3 | 324016 | 1DIX DAM 3 13.200 | 11.2 |
| Ghent | 1 | 324017 | 1GHENT 1 18.000 | 526 |

| Ghent | 2 | 324018 | 1GHENT 2 22.000 | 530 |
|----------------|----|--------|--------------------|-------|
| Ghent | 3 | 324019 | 1GHENT 3 22.000 | 535 |
| Ghent | 4 | 324020 | 1GHENT 4 22.000 | 529 |
| Haefling | 1 | 324023 | 1HAEFLING 13.800 | 12 |
| Haefling | 2 | 324023 | 1HAEFLING 13.800 | 12 |
| Mill Creek | 1 | 324024 | 1MILL CRK 1 22.000 | 333 |
| Mill Creek | 2 | 324025 | 1MILL CRK 2 22.000 | 334 |
| Mill Creek | 3 | 324026 | 1MILL CRK 3 22.000 | 425 |
| Mill Creek | 4 | 324027 | 1MILL CRK 4 22.000 | 526 |
| Paddys Run | 13 | 324031 | 1PADDY RN 1316.000 | 153 |
| Trimble County | 1 | 324034 | 1TRIM CO 1 22.000 | 548 |
| Trimble County | 2 | 324035 | 1TRIM CO 2 24.000 | 790 |
| Trimble County | 5 | 324036 | 1TRIM CO 5 18.000 | 160 |
| Trimble County | 6 | 324037 | 1TRIM CO 6 18.000 | 167 |
| Trimble County | 7 | 324038 | 1TRIM CO 7 18.000 | 163 |
| Trimble County | 8 | 324039 | 1TRIM CO 8 18.000 | 160 |
| Trimble County | 9 | 324040 | 1TRIM CO 9 18.000 | 166 |
| Trimble County | 10 | 324041 | 1TRIM CO 10 18.000 | 165 |
| Zorn | 1 | 324043 | 1ZORN 13.800 | 14 |
| Bluegrass | 1 | 324044 | 1BLUEGRASS 118.000 | 166 |
| Bluegrass | 2 | 324045 | 1BLUEGRASS 218.000 | 166 |
| Bluegrass | 3 | 324046 | 1BLUEGRASS 318.000 | 166 |
| Lock | 1 | 324052 | 1LOCK 7 2.4000 | 2 |
| Ohio Falls | 1 | 324234 | 10HI0 FALL 114.000 | 9.375 |
| Ohio Falls | 2 | 324234 | 10HI0 FALL 114.000 | 9.375 |
| Ohio Falls | 3 | 324234 | 10HI0 FALL 114.000 | 9.375 |
| Ohio Falls | 4 | 324234 | 10HI0 FALL 114.000 | 9.375 |
| Ohio Falls | 5 | 324235 | 10HI0 FALL 214.000 | 9.375 |
| Ohio Falls | 6 | 324235 | 10HI0 FALL 214.000 | 9.375 |
| Ohio Falls | 7 | 324235 | 10HI0 FALL 214.000 | 9.375 |
| Ohio Falls | 8 | 324235 | 10HI0 FALL 214.000 | 9.375 |
| Paris | 1 | 324677 | 2PARIS12 69.000 | 11.27 |

| So | uth | nea | S | ter | 'n |
|------|-------|------|-----|-----|----|
| Re | gio | na | ıl | | |
| TRAI | ZIMZI | เกเว | PI. | AMM | NG |

| Paducah | 2 | 324697 | 1KMPA PAD2 13.800 | 54 |
|---------------|----|--------|--------------------|-------|
| Paducah | 1 | 324933 | 1KMPA PAD1 13.800 | 54 |
| E.W. Brown | S1 | 325012 | 1BROWN SOLAR13.200 | 8 |
| Ashwood Solar | 1 | 325029 | 1ASHWOOD GEN0.6450 | 69.12 |
| Cane Run | 71 | 325093 | 1CANERUN7CT118.000 | 233 |
| Cane Run | 72 | 325094 | 1CANERUN7CT218.000 | 233 |
| Cane Run | 7S | 325095 | 1CANERUN7ST 18.000 | 238 |
| Paddys Run | 11 | 326514 | 1PADDY RN 1114.000 | 12 |
| Paddys Run | 12 | 326515 | 1PADDY RN 1214.000 | 23 |
| EKPC Office | P1 | 326541 | 2EKPC OFFICE69.000 | 6.8 |



Appendix 7: PowerSouth BAA

The following information provides a more granular overview of the PowerSouth BAA input assumptions and transmission expansion plan that are incorporated in the development of the SERTP regional transmission plan.

Table A7.1: 2021 SERTP Regional Transmission Plan – Transmission Project Snapshot by operating voltage (PowerSouth BAA)

| <u>U</u> | | | , , | <i>V</i> 1 | 0 0 | |
|--|---------|---------|---------|------------|---------|---------|
| PowerSouth BAA | 100-120 | 121-150 | 151-199 | 200-299 | 300-399 | 400-550 |
| | kV | kV | kV | kV | kV | kV |
| Transmission lines — New (Circuit Mi.) | 9.5 | | | | | |
| Transmission Lines — Uprates¹ (Circuit Mi.) | - | | | | <u></u> | |
| Transformers ² - New | | - | - | | - | |
| Transformers ² - Replacements | | | | | | |

¹A transmission line uprate may be the result of reconductoring and/or increasing the operating temperature/voltage along the transmission line.

Table A7.2: Interface commitments¹ modeled in the SERTP Summer Peak models – PowerSouth BAA

| То | 2023 | 2026 | 2031 |
|----------|-------|-------|-------|
| Southern | 499.8 | 405.2 | 444.4 |
| Total | 499.8 | 405.2 | 444.4 |

¹A positive number represents a net export from the PowerSouth BAA

²The voltages shown represent the operating voltages on the high side terminals of the transformer



A detailed listing of the changes in generation assumptions within the PowerSouth BAA throughout the ten (10) year planning horizon, including the year(s) in which they occur, is provided in Table A7.3 below. Table A7.4 provides a listing of generation assumptions based upon long-term, firm point-to-point commitments. The capacity (MW) values shown for each year reflect summer peak conditions. Table A7.5 provides a listing of all generators modeled in the 2023 Version 2 Summer Peak powerflow model.

Table A7.3: Changes in Generation Assumptions Based Upon LSEs - PowerSouth BAA

| | | | | | | | | | | |
|-----------------|------|------|------|------|------|------|------|------|------|------|
| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
| Lowman EC 1 & 2 | | 632 | 632 | 632 | 632 | 632 | 632 | 632 | 632 | 632 |
| Wing | | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| Fountain | | | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |

Table A7.4: Generation Assumptions Based Upon Expected Long-term, Firm Point-to-Point Commitments – PowerSouth BAA

| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|------|------|------|------|------|------|------|------|------|------|------|
| | | | | None | | | | | | |

Table A7.5: Generating Units Modeled in the 2023 Version 2 Summer Peak Powerflow Model – PowerSouth BAA

| Plant | Unit | Bus # | Bus Name | Pmax (MW) |
|------------|------|--------|--------------------|-----------|
| Point A | Н | 317071 | 1POINTA_HYD 4.1600 | 8 |
| Vann | 1 | 317701 | 1VANN 1G 18.000 | 166 |
| Vann | 2 | 317702 | 1VANN 2G 18.000 | 166 |
| Vann | 3 | 317703 | 1VANN 3G 18.000 | 174 |
| Lowman | 2 | 317712 | 1LOWMAN2G 22.000 | 235 |
| Lowman | 3 | 317713 | 1LOWMAN3G 22.000 | 238 |
| McIntosh | 1 | 317721 | 1MCNTSH1G 13.800 | 110 |
| McIntosh | 2 | 317722 | 1MCNTSH2G 13.200 | 114 |
| McIntosh | 3 | 317723 | 1MCNTSH3G 13.200 | 114 |
| McWilliams | 1 | 317731 | 1MCWLMS1G 4.1600 | 9 |

| Southea | stern |
|--------------|-------|
| Regiona | l |
| TRANSMISSION | |

| McWilliams | 2 | 317732 | 1MCWLMS2G 4.1600 | 9 |
|------------|---|--------|------------------|-----|
| McWilliams | 3 | 317733 | 1MCWLMS3G 13.800 | 17 |
| McWilliams | 4 | 317734 | 1MCWLMS4G 13.800 | 114 |
| McIntosh | 4 | 317754 | 1MCNTSH4G 13.200 | 173 |
| McIntosh | 5 | 317755 | 1MCNTSH5G 13.200 | 173 |



Appendix 8: Southern BAA

The following information provides a more granular overview of the Southern BAA input assumptions and transmission expansion plan that are incorporated in the development of the SERTP regional transmission plan.

Table 8.1: 2021 SERTP Regional Transmission Plan – Transmission Project Snapshot by operating voltage (Southern BAA)

| 8 | | | , | | 0 0 (| |
|---|---------------|---------------|---------------|---------------|---------------|---------------|
| Southern BAA | 100-120 kV | 121-150 kV | 151-199 kV | 200-299 kV | 300-399 kV | 400-550 kV |
| | K V | N V | K V | N V | K V | K V |
| Transmission lines - New | 58.8 | | 1.0 | 132.5 | | |
| (Circuit Mi.) | 30.0 | | 2.0 | 102.0 | | |
| Transmission Lines — Uprates ¹ | 1111 | | 20.4 | 200.6 | | |
| (Circuit Mi.) | 1144.3 | | 30.4 | 280.6 | | |
| Transformers ² - New | | - | | 5 | | 3 |
| Transformers ² - Replacements | | | | 4 | | |

¹A transmission line uprate may be the result of reconductoring and/or increasing the operating temperature/voltage along the transmission line.

Table 8.2: Interface commitments¹ modeled in the SERTP Summer Peak models – Southern BAA

| То | 2023 | 2026 | 2031 |
|----------------|--------|--------|--------|
| Duke Carolinas | 230 | 230 | 230 |
| SCE&G | 0 | 0 | 0 |
| SCPSA | -50 | -50 | -50 |
| TVA | -45.8 | -45.4 | -44.9 |
| SEPA | -681 | -681 | -681 |
| MISO | -80 | -145 | -177 |
| PowerSouth | -499.8 | -405.2 | -444.4 |
| Florida | 1449 | 1655 | 1605 |
| Total | 322.4 | 558.4 | 437.7 |

¹A positive number represents a net export from the Southern BAA

²The voltages shown represent the operating voltages on the high side terminals of the transformer

A detailed listing of the changes in generation assumptions within the Southern BAA throughout the ten (10) year planning horizon, including the year(s) in which they occur, is provided in Tables A8.3 through A8.6 below. Furthermore, supplemental information regarding noteworthy generation expansion and retirements/decertifications included in the 2021 series set of SERTP powerflow models is provided below, while Table A8.7 provides a listing of generation assumptions based upon long-term, firm point-to-point commitments. The capacity (MW) values shown for each year reflect summer peak conditions. Table A8.8 provides a listing of all generators modeled in the 2023 Version 2 Summer Peak powerflow model.

Table A8.3: Changes in Generation Assumptions Based Upon LSEs – Southern Company

| | | | | | _ | | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|
| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
| Addison 1 & 3 | 305 | 305 | 305 | 305 | 305 | 305 | 305 | 305 | 0 | |
| Calhoun 1-4 | 632 | 0 | | | | | | | | |
| Dahlberg 2,6,8,10 | 298 | 298 | 298 | 0 | | | | | | |
| Dahlberg 4 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 0 | |
| Harris 1 | 640 | 640 | 640 | 640 | 640 | 640 | 640 | 640 | 0 | |
| Mid GA Cogen | 300 | 300 | 300 | 300 | 300 | 300 | 0 | | | |
| Monroe Power | 309 | 309 | 0 | | | | | | | |
| Tiger Creek 1&4 | 313 | 313 | 0 | | | | | | | |
| Tenaska Hear 1-6 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 945 | 0 | |
| Walton County | 465 | 465 | 0 | | | | | | | |
| Barry | | 685 | 685 | 685 | 685 | 685 | 685 | 685 | 685 | 685 |
| Farley 1 | 898 | 898 | 898 | 898 | 898 | 898 | 898 | 898 | 898 | 898 |
| Farley 2 | 901 | 901 | 901 | 901 | 901 | 901 | 901 | 901 | 901 | 901 |
| Gaston 1-4 | 465 | 465 | 515 | 515 | 515 | 515 | 515 | 515 | 515 | 515 |
| Vogtle 3 | 504 | 504 | 504 | 504 | 504 | 504 | 504 | 504 | 504 | 504 |
| Vogtle 4 | 504 | 504 | 504 | 504 | 504 | 504 | 504 | 504 | 504 | 504 |
| Yates 6-7 | 649 | 649 | 714 | 714 | 714 | 714 | 714 | 714 | 714 | 714 |
| Central Alabama | | 890 | 890 | 890 | 890 | 890 | 890 | 890 | 890 | 890 |
| Bird Dog Solar | | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |

| Broken Spoke | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 | 195 |
|---------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Bulldog Solar | | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| Cool Springs | 213 | 213 | 213 | 213 | 213 | 213 | 213 | 213 | 213 | 213 |
| Quitman 2 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| Sonny Solar | | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |

¹This assumption may be modified as resource decisions are made by the corresponding LSEs pursuant to applicable regulatory processes.

Table A8.4: Changes in Generation Assumptions Based Upon LSEs – GTC

| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|-------------------|------|------|------|------|------|------|------|------|------|------|
| Lancaster | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| SR Cedar Springs | | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| SR Clay | | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 | 106 |
| SR Desoto | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| SR Lumpkin | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| SR Perry | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| SR Snipesville I | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 | 103 |
| SR Snipesville II | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 | 107 |
| Vogtle 4 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 | 330 |

Table A8.5: Changes in Generation Assumptions Based Upon LSEs - MEAG

| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|----------|------|------|------|------|------|------|------|------|------|------|
| Voglte 4 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 |

Table A8.6: Changes in Generation Assumptions Based Upon LSEs - Dalton

| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|----------|------|------|------|------|------|------|------|------|------|------|
| Voglte 4 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |

Table A8.7: Generation Assumptions Based Upon Expected Long-term, Firm Point-to-Point Commitments – Southern BAA

| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|-------|------|------|------|------|------|------|------|------|------|------|
| Bowen | 159 | 159 | 159 | 159 | 159 | 159 | 159 | 159 | 159 | 159 |

| Central Alabama | 885 | 0 | | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|
| DAHLBERG | 494 | 494 | 494 | 494 | 494 | 494 | 494 | 494 | 494 | 494 |
| Daniel | 650 | 650 | 600 | 600 | 600 | 600 | 600 | 600 | 600 | 600 |
| Hammond | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| HILLABEE | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | 350 |
| Lindsay Hill | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 | 300 |
| Scherer | 1131 | 1131 | 1131 | 1131 | 1131 | 1131 | 1131 | 1131 | 1131 | 1131 |
| Vogtle | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 | 206 |

Table A8.8: Generating Units Modeled in the 2023 Version 2 Summer Peak Powerflow Model - Southern BAA

| Plant | Unit | Bus# | Bus Name | Pmax (MW) |
|---------------------------|------|--------|--------------------|-----------|
| USMC Supply | 1 | 380714 | 3USMC SUPPLY115.00 | 12.5 |
| Jeffersonville | S1 | 380813 | 3JEFFERSONVL115.00 | 20 |
| Decatur County Industrial | S1 | 381031 | 3DEC CO IND 115.00 | 19 |
| Spring Branch | S1 | 381493 | 3SPRING BRN 115.00 | 27.4 |
| East Berlin | S1 | 381888 | 6E BERLIN 230.00 | 20 |
| Fort Valley Solar | S1 | 382323 | 3FT VALLEY 115.00 | 10.7 |
| Mossy Branch Battery | B1 | 383400 | 1MOSSY BESS 34.500 | 65 |
| Decatur Solar | S1 | 383401 | 1DEC PKY SLR34.500 | 79.9 |
| Old Midville Solar | S1 | 383402 | 3MIDVILSLR 115.00 | 20 |
| LIVEOAK SOLAR | S1 | 383403 | 1LIVEOAK SLR34.500 | 51 |
| White Oak Solar | S1 | 383404 | 1WHT OAK SLR34.500 | 76.5 |
| White Pine Solar | S1 | 383405 | 1WH PINE SLR34.500 | 101.3 |
| Bulter Solar | S1 | 383406 | 1BUTLER SLR 34.500 | 100 |
| Paw Solar | S1 | 383407 | 6PAW PAW SLR230.00 | 30 |
| Fall Line Solar | S1 | 383408 | 3FALL LN SLR115.00 | 20 |
| Sandhills Solar | S1 | 383409 | 1SANDHLS SLR34.500 | 143 |
| Fort Benning Solar | S1 | 383411 | 3BENNING SLR115.00 | 30 |
| Gordon Solar | S1 | 383412 | 1GORDON SLR 34.500 | 30 |
| Stewart Solar | S1 | 383413 | 1STEWART SLR34.500 | 30 |
| | | | | |

| | \cap | | 4 |
|---|--------|---|---|
| Z | U | Z | Т |

| Kingsbay Solar | B1 | 383414 | 1KNGSBAY SLR34.500 | 1.3 |
|-----------------------|-----------|--------|--------------------|-------|
| Kingsbay Solar | S1 | 383414 | 1KNGSBAY SLR34.500 | 30 |
| Mclb Solar | S1 | 383415 | 1MCLB SOLAR 34.500 | 31 |
| Robins Solar | S1 | 383416 | 1RAFB SLR 34.500 | 133 |
| Moody Air Force Solar | S1 | 383417 | 1MAFB SLR 34.500 | 46 |
| Rincon Solar | S1 | 383422 | 1RINCON SLR 34.500 | 16 |
| Camilla Solar | S1 | 383425 | 6CAMILLA SLR230.00 | 16 |
| Hazlehurst Solar | S1 | 383427 | 1SR HAZLE 2 34.500 | 52.5 |
| Hazelhurst Solar | S1 | 383428 | 3SR HAZLE 1 115.00 | 20 |
| Hazelhurst Solar | S1 | 383429 | 1SR HAZLE 3 34.500 | 40.8 |
| Thrill Hill Solar | S1 | 383430 | 1SR TERRELL 34.500 | 83.1 |
| Dougherty Solar | S1 | 383433 | 1DOUGH PV 34.500 | 130 |
| Arlington Solar | S1 | 383434 | 1SR ARLINGTN34.500 | 123 |
| Lancaster Solar | S1 | 383435 | 1LANCSTR SLR34.500 | 80 |
| ClaySolar | S1 | 383438 | 1SR CLAY 34.500 | 106 |
| Perry Solar | S1 | 383439 | 1SR PERRY 34.500 | 70 |
| Southern Oak Solar | S1 | 383440 | 1SO OAK PV 134.500 | 160 |
| (Camilla II) | | | | |
| Twiggs Solar | S1 | 383443 | 1TWIGGS SLR 34.500 | 200 |
| Quitman Solar | S1 | 383444 | 1QUITMAN1 PV34.500 | 150 |
| Tanglewood Solar | S1 | 383446 | 1TANGLE SLR 34.500 | 60 |
| Quitman II Solar | S1 | 383449 | 1QUITMAN2 PV34.500 | 150 |
| Turkey Run Solar | S1 | 383450 | 1HICK PK PV 34.500 | 195.5 |
| Cool Springs Solar | S1 | 383452 | 1COOL SPR PV34.500 | 213 |
| Tristate Solar | S1 | 383453 | 1TS 1A PV 34.500 | 189 |
| Sonny Solar | S1 | 383454 | 1SONNY PV 34.500 | 40 |
| Bird Dog Solar | S1 | 383455 | 1BIRD DOG PV34.500 | 40 |
| Bulldog Solar | S1 | 383456 | 1BULLDOG PV 34.500 | 80 |
| Tristate Solar | S1 | 383457 | 1TS 1B PV 34.500 | 260 |
| Lancaster Road Solar | S1 | 383458 | 1LCRS RD SLR34.500 | 152 |
| Shellman Solar | B1 | 383459 | 1SHELLMN SLR34.500 | 0.1 |
| Shellman Solar | S1 | 383459 | 1SHELLMN SLR34.500 | 100 |

| Americus Solar | B1 | 383460 | 1AMER BESS 34.500 | 200 | |
|----------------------|----|--------|----------------------|-------|--|
| Americus Solar | S1 | 383461 | 1AMERICUS 1 34.500 | 615 | |
| Americus Solar | S2 | 383462 | 1AMERICUS 2 34.500 | 250 | |
| Americus Solar | S3 | 383463 | 1AMERICUS 3 34.500 | 250 | |
| Blackwater Solar | S1 | 383466 | 1BLCKWTR SLR34.500 | 80 | |
| Hobnail Solar | S1 | 383468 | 1HOBNAIL SLR34.500 | 70 | |
| Wolfskin Solar | S1 | 383469 | 1WLFSKIN SLR34.500 | 38 | |
| Lumpkin Solar | S1 | 383470 | 1SR LUMPKIN 34.500 | 100 | |
| Snipesville Solar | S1 | 383471 | 1SR SNPSVL 134.500 | 86 | |
| Snipesville Solar II | S1 | 383472 | 1SR SNPSVL 234.500 | 107 | |
| Cedar Springs Solar | S1 | 383474 | 1SR CEDAR SP34.500 | 70 | |
| Desoto Solar | S1 | 383475 | 1SR DESOTO 34.500 | 250 | |
| Alb Green | 1 | 383480 | 1ALB GRN NRG13.800 | 50 | |
| GRP Franklin Bio | 1 | 383481 | 1GRP FRK BIO13.800 | 65 | |
| GRP Madison Bio | 1 | 383486 | 1GRP MAD BIO13.800 | 65 | |
| Pine Ridge | 1 | 383497 | 1PINE RIDGE 24.950 | 8.2 | |
| Richland Creek | 1 | 383498 | 1RICHLD CK 4.2000 | 10.6 | |
| Morgan Falls Dam | 1 | 383500 | 1MORGAN F 4.2000 | 10.4 | |
| Lloyd Shoals Dam | 1 | 383501 | 1LLOYD SHL 2.3000 | 19.6 | |
| Carters Dam | 1 | 383502 | 1CARTERSDAM113.800 | 148 | |
| Carters Dam | 2 | 383503 | 1CARTERSDAM213.800 | 148 | |
| Carters Dam | 3 | 383504 | 1CARTERSDAM313.800 | 148 | |
| Carters Dam | 4 | 383505 | 1CARTERSDAM413.800 | 148 | |
| Allatoona Dam | 1 | 383506 | 1ALLA DAM 13.800 | 72 | |
| West Point Dam | 1 | 383508 | 1W PT DAM 13.800 | 87 | |
| Buford Dam | 1 | 383509 | 1BUF DAM 1+313.800 | 60.1 | |
| Buford Dam | 3 | 383509 | 1BUF DAM 1+313.800 | 6.8 | |
| Buford Dam | 2 | 383510 | 1BUF DAM 2 13.800 | 60.1 | |
| Rocky Mountain | 1 | 383511 | 1ROCKY MTN 120.000 | 346.3 | |
| Rocky Mountain | 2 | 383512 | 1ROCKY MTN 220.000 | 346.3 | |
| Rocky Mountain | 3 | 383513 | 1ROCKY MTN 320.000 | 346.3 | |
| | 3 | 202212 | 1110CK1 WITH 320.000 | 370.3 | |

| Bartletts Ferry Dam | 2 | 383515 | 1BARTLFY2 12.000 | 15.2 |
|---------------------|---|--------|--------------------|------|
| Bartletts Ferry Dam | 3 | 383516 | 1BARTLFY3 12.000 | 15.2 |
| Bartletts Ferry Dam | 4 | 383517 | 1BARTLFY4 6.9000 | 20.3 |
| Bartletts Ferry Dam | 5 | 383518 | 1BARTLFY6 13.800 | 54.7 |
| Bartletts Ferry Dam | 6 | 383518 | 1BARTLFY6 13.800 | 54.7 |
| Goat Rock Dam | 3 | 383520 | 1GOATROCK 12.000 | 5 |
| Goat Rock Dam | 4 | 383520 | 1GOATROCK 12.000 | 5 |
| Goat Rock Dam | 7 | 383520 | 1GOATROCK 12.000 | 9.3 |
| Goat Rock Dam | 8 | 383520 | 1GOATROCK 12.000 | 9.3 |
| Goat Rock Dam | 5 | 383521 | 1GOATRK56 4.2000 | 5 |
| Goat Rock Dam | 6 | 383521 | 1GOATRK56 4.2000 | 5 |
| Oliver Dam | 1 | 383522 | 10LIVER 1 7.2000 | 17.7 |
| Oliver Dam | 2 | 383523 | 10LIVER 2 7.6000 | 17.7 |
| Oliver Dam | 3 | 383524 | 10LIVER 3-4 7.6000 | 17.7 |
| Oliver Dam | 4 | 383524 | 10LIVER 3-4 7.6000 | 6 |
| North Highlands Dam | 1 | 383525 | 1N HIGHLAND 12.000 | 34.4 |
| Terrora Dam | 1 | 383530 | 1TERRORA 6.6000 | 14.5 |
| Tugalo Dam | 1 | 383532 | 1TUGALO 1-2 6.6000 | 22.1 |
| Tugalo Dam | 3 | 383533 | 1TUGALO 3-4 6.6000 | 22.1 |
| Yonah Dam | 1 | 383534 | 1YONAH 6.6000 | 25.4 |
| Wallace Dam | 1 | 383536 | 1WALLACE 1-314.400 | 50.7 |
| Wallace Dam | 2 | 383536 | 1WALLACE 1-314.400 | 50.7 |
| Wallace Dam | 3 | 383536 | 1WALLACE 1-314.400 | 54.6 |
| Wallace Dam | 4 | 383537 | 1WALLACE 4-614.400 | 54.6 |
| Wallace Dam | 5 | 383537 | 1WALLACE 4-614.400 | 50.7 |
| Wallace Dam | 6 | 383537 | 1WALLACE 4-614.400 | 50.7 |
| Flint River Dam | 1 | 383538 | 1FLINT HYDRO2.3000 | 6.5 |
| Crisp Co. Dam | 1 | 383541 | 1CRISPCO1 6.6000 | 23 |
| Tallulah Falls Dam | 1 | 383542 | 1TALLULAH 1 6.6000 | 11.4 |
| Tallulah Falls Dam | 2 | 383543 | 1TALLULAH 2 6.6000 | 11.4 |
| Tallulah Falls Dam | 3 | 383544 | 1TALLULAH 3 6.6000 | 11.4 |
| Tallulah Falls Dam | 4 | 383545 | 1TALLULAH 4 6.6000 | 11.4 |

| | A | | 1 |
|---|---|---|---|
| Z | U | Z | L |

| Tallulah Falls Dam | 5 | 383546 | 1TALLULAH 5 6.6000 | 11.4 |
|----------------------|----|--------|--------------------|----------|
| Tallulah Falls Dam | 6 | 383547 | 1TALLULAH 6 6.6000 | 11.4 |
| Sinclair Dam | 1 | 383548 | 1SINCLAIR 1 6.9000 | 19.3 |
| Sinclair Dam | 2 | 383549 | 1SINCLAIR 2 6.9000 | 19.3 |
| George Dam | 1 | 383551 | 1GEORGE 1 13.800 | 40.5 |
| George Dam | 2 | 383552 | 1GEORGE 2 13.800 | 40.5 |
| George Dam | 3 | 383553 | 1GEORGE 3 13.800 | 40.5 |
| George Dam | 4 | 383554 | 1GEORGE 4 13.800 | 40.5 |
| McDonough | 3B | 383600 | 1MCDON 3B 13.800 | 40 |
| T.A. Smith I | 1 | 383604 | 1TA SMITH 1S18.000 | 322.5 |
| T.A. Smith I | 1A | 383605 | 1TA SMITH 1A18.000 | 162.3 |
| T.A. Smith I | 1B | 383606 | 1TA SMITH 1B18.000 | 162.3 |
| T.A. Smith II | 2 | 383607 | 1TA SMITH 2S18.000 | 322.5 |
| T.A. Smith II | 2A | 383608 | 1TA SMITH 2A18.000 | 162.3 |
| T.A. Smith II | 2B | 383609 | 1TA SMITH 2B18.000 | 162.3 |
| Wansley | 5A | 383620 | 1WANSLEY 5A 13.800 | 49 |
| Wansley | 1 | 383621 | 1WANSLEY 1 18.000 | 876.5001 |
| Wansley | 2 | 383622 | 1WANSLEY 2 18.000 | 876.5001 |
| Wansley | 6 | 383623 | 1WANSLEY 6ST18.000 | 225 |
| Wansley | 6A | 383624 | 1WANSLEY 6A 18.000 | 184 |
| Wansley | 6B | 383625 | 1WANSLEY 6B 18.000 | 184 |
| Wansley | 7 | 383626 | 1WANSLEY 7ST18.000 | 226.1 |
| Wansley | 7A | 383627 | 1WANSLEY 7A 18.000 | 183 |
| Wansley | 7B | 383628 | 1WANSLEY 7B 18.000 | 183 |
| Wansley | 1 | 383629 | 1WANSLEY 9ST18.000 | 202.6 |
| Wansley | 1A | 383630 | 1WANSLEY 9A 18.000 | 145.4 |
| Wansley | 1B | 383631 | 1WANSLEY 9B 18.000 | 145.4 |
| Chattahoochee Energy | 1 | 383632 | 1CHAT EN 1ST18.000 | 179.6 |
| Chattahoochee Energy | 1A | 383633 | 1CHAT EN 1A 18.000 | 163.8 |
| Chattahoochee Energy | 1B | 383634 | 1CHAT EN 1B 18.000 | 163.8 |
| Yates | 6 | 383646 | 1YATES 6 22.000 | 355.5 |
| Yates | 7 | 383647 | 1YATES 7 22.000 | 358.5 |

| Dahlberg | 1 | 383661 | 1DAHLBERG 1 13.800 | 74.8 |
|-----------------------|----|--------|--------------------|----------|
| Dahlberg | 2 | 383662 | 1DAHLBERG 2 13.800 | 74 |
| Dahlberg | 3 | 383663 | 1DAHLBERG 3 13.800 | 74.7 |
| Dahlberg | 4 | 383664 | 1DAHLBERG 4 13.800 | 73.2 |
| Dahlberg | 5 | 383665 | 1DAHLBERG 5 13.800 | 74.7 |
| Dahlberg | 6 | 383666 | 1DAHLBERG 6 13.800 | 74.9 |
| Dahlberg | 7 | 383667 | 1DAHLBERG 7 13.800 | 75 |
| Dahlberg | 8 | 383668 | 1DAHLBERG 8 13.800 | 74 |
| Dahlberg | 9 | 383669 | 1DAHLBERG 9 13.800 | 76.1 |
| Dahlberg | 10 | 383670 | 1DAHLBERG 1013.800 | 75.2 |
| Franklin | 1 | 383671 | 1FRANKLIN1ST18.000 | 221 |
| Franklin | 1A | 383672 | 1FRANKLIN 1A18.000 | 187 |
| Franklin | 1B | 383673 | 1FRANKLIN 1B18.000 | 187 |
| Franklin | 2 | 383674 | 1FRANKLIN2ST21.000 | 282.4 |
| Franklin | 2A | 383675 | 1FRANKLIN 2A18.000 | 183.1 |
| Franklin | 2B | 383676 | 1FRANKLIN 2B18.000 | 183.1 |
| Franklin | 3 | 383677 | 1FRANKLIN3ST21.000 | 277 |
| Franklin | 3A | 383678 | 1FRANKLIN 3A18.000 | 174 |
| Franklin | 3B | 383679 | 1FRANKLIN 3B18.000 | 174 |
| Calhoun | 4 | 383680 | 1CALHOUN GEN13.800 | 20 |
| Scherer | 1 | 383681 | 1SCHERER 1 25.000 | 883 |
| Scherer | 2 | 383682 | 1SCHERER 2 25.000 | 881.0001 |
| Scherer | 3 | 383683 | 1SCHERER 3 25.000 | 881.0001 |
| Scherer | 4 | 383684 | 1SCHERER 4 25.000 | 882 |
| Mid Georgia | 1 | 383711 | 1MID GA 1ST 13.800 | 96 |
| Mid Georgia | 1A | 383712 | 1MID GA 1A 13.800 | 102 |
| Mid Georgia | 1B | 383713 | 1MID GA 1B 13.800 | 102 |
| Rumble Road | 1 | 383721 | 1RMBLCT1 13.800 | 94 |
| Rumble Road | 2 | 383722 | 1RMBLCT2 13.800 | 94 |
| Robins Air Force Base | А | 383741 | 1RAFB CT A 13.800 | 80 |
| Robins Air Force Base | В | 383742 | 1RAFB CT B 13.800 | 80 |
| Warthen | 1 | 383743 | 1WARTHEN 1 13.800 | 69 |

| Warthen | 2 | 383744 | 1WARTHEN 2 13.800 | 69 |
|------------------|-----------|--------|--------------------|--------|
| Warthen | 3 | 383745 | 1WARTHEN 3 13.800 | 69 |
| Warthen | 4 | 383746 | 1WARTHEN 4 13.800 | 69 |
| Warthen | 5 | 383747 | 1WARTHEN 5 13.800 | 69 |
| Warthen | 6 | 383748 | 1WARTHEN 6 13.800 | 69 |
| Warthen | 7 | 383749 | 1WARTHEN 7 13.800 | 69 |
| Warthen | 8 | 383750 | 1WARTHEN 8 13.800 | 69 |
| Vogtle | 1 | 383751 | 1VOGTLE1 25.000 | 1158.4 |
| Vogtle | 2 | 383752 | 1VOGTLE2 25.000 | 1160.5 |
| Vogtle | 3 | 383753 | 1VOGTLE3 26.000 | 1139 |
| Vogtle | 4 | 383754 | 1VOGTLE4 26.000 | 1139 |
| Wilson | Α | 383761 | 1WILSON A 13.800 | 41 |
| Wilson | В | 383762 | 1WILSON B 13.800 | 56 |
| Wilson | С | 383763 | 1WILSON C 13.800 | 49 |
| Wilson | D | 383764 | 1WILSON D 13.800 | 41 |
| Wilson | Е | 383765 | 1WILSON E 13.800 | 54 |
| Wilson | F | 383766 | 1WILSON F 13.800 | 54 |
| Rabun Gap | 1 | 383775 | 1RABUN BIO 13.800 | 18 |
| Piedmont | 1 | 383777 | 1PIEDMNT BIO13.800 | 55 |
| Flint Biomass | 1 | 383786 | 1FLINT BIO 13.800 | 42 |
| Flint Biomass | 2 | 383786 | 1FLINT BIO 13.800 | 38.3 |
| Dublin Biomass 1 | 1 | 383787 | 1DUBLIN B1 12.500 | 41 |
| SOWEGA | 1 | 383791 | 1BACNTN 1 13.800 | 49 |
| SOWEGA | 2 | 383792 | 1BACNTN 2 13.800 | 49 |
| Simon | S1 | 383798 | 1SSFGEN 34.500 | 30 |
| SOWEGA | 3 | 383802 | 1BACNTN 3 13.800 | 46 |
| SOWEGA | 4 | 383803 | 1BACNTN 4 13.800 | 47 |
| SOWEGA | 5 | 383804 | 1BACNTN 5 13.800 | 47 |
| SOWEGA | 6 | 383805 | 1BACNTN 6 13.800 | 47 |
| Hatch | 1 | 383811 | 1HATCH 1 24.000 | 880.2 |
| Hatch | 2 | 383812 | 1HATCH 2 24.000 | 889.7 |
| McManus | 4A | 383821 | 1MCMANUS 4A 13.800 | 46 |
| | | | | |

| McManus | 4B | 383822 | 1MCMANUS 4B 13.800 | 46 |
|--------------|----|--------|--------------------|----------|
| McManus | 4C | 383823 | 1MCMANUS 4C 13.800 | 46 |
| McManus | 4D | 383824 | 1MCMANUS 4D 13.800 | 46 |
| McManus | 4E | 383825 | 1MCMANUS 4E 13.800 | 46 |
| McManus | 4F | 383826 | 1MCMANUS 4F 13.800 | 46 |
| McManus | 3A | 383833 | 1MCMANUS 3A 13.800 | 46 |
| McManus | 3B | 383834 | 1MCMANUS 3B 13.800 | 46 |
| McManus | 3C | 383835 | 1MCMANUS 3C 13.800 | 46 |
| Bowen | 1 | 383841 | 1BOWEN 1 25.000 | 728 |
| Bowen | 2 | 383842 | 1BOWEN 2 25.000 | 728 |
| Bowen | 3 | 383843 | 1BOWEN 3 18.000 | 897.5001 |
| Bowen | 4 | 383844 | 1BOWEN 4 18.000 | 897.5001 |
| Sewell Creek | 21 | 383851 | 1SEWCRK21 13.800 | 130 |
| Sewell Creek | 22 | 383852 | 1SEWCRK22 13.800 | 132 |
| Sewell Creek | 11 | 383853 | 1SEWCRK11 13.800 | 94 |
| Sewell Creek | 12 | 383854 | 1SEWCRK12 13.800 | 93 |
| Tiger Creek | 1 | 383855 | 1TIGER CK1 18.000 | 157.9 |
| Tiger Creek | 2 | 383856 | 1TIGER CK2 18.000 | 157 |
| Tiger Creek | 3 | 383857 | 1TIGER CK3 18.000 | 157 |
| Tiger Creek | 4 | 383858 | 1TIGER CK4 18.000 | 156.6 |
| Monroe Power | 1 | 383860 | 1MONROEPWR | 160 |
| | | | 113.800 | |
| Monroe Power | 2 | 383861 | 1MONROEPWR | 160 |
| | | | 213.800 | |
| LG&E Monroe | 1 | 383862 | 1LGEMONROE1 16.000 | 160 |
| LG&E Monroe | 2 | 383863 | 1LGEMONROE2 16.000 | 160 |
| LG&E Monroe | 3 | 383864 | 1LGEMONROE3 16.000 | 160 |
| Effingham | 1 | 383867 | 1EFFHAM 1ST 18.000 | 199 |
| Effingham | 1A | 383868 | 1EFFHAM 1A 18.000 | 173 |
| Effingham | 1B | 383869 | 1EFFHAM 1B 18.000 | 173 |
| Doyle | 1 | 383871 | 1DOYLE 1 14.400 | 61 |
| Doyle | 2 | 383872 | 1DOYLE 2 13.800 | 62 |
| | | | | |

| Doyle | 3 | 383873 | 1DOYLE 3 13.800 | 62 |
|------------------------|----|--------|--------------------|-------|
| Doyle | 4 | 383874 | 1DOYLE 4 13.800 | 75 |
| Doyle | 5 | 383875 | 1DOYLE 5 13.800 | 75 |
| McDonough | 4 | 383878 | 1MCDON 4ST 18.000 | 320.8 |
| McDonough | 4A | 383879 | 1MCDON4A 21.000 | 257.1 |
| McDonough | 4B | 383880 | 1MCDON 4B 21.000 | 257.1 |
| OPC Hartwell | 1 | 383881 | 10PCHWE 1 13.800 | 150 |
| OPC Hartwell | 2 | 383882 | 10PCHWE 2 13.800 | 149 |
| McDonough | 6 | 383883 | 1MCDON 6ST 18.000 | 348 |
| McDonough | 6A | 383884 | 1MCDON 6A 21.000 | 243 |
| McDonough | 6B | 383885 | 1MCDON 6B 21.000 | 243 |
| McDonough | 3A | 383886 | 1MCDON 3A 13.800 | 40 |
| MS Bainbridge | 1 | 383890 | 1MSBAINBR 13.800 | 78 |
| Addison | 1 | 383901 | 1ADDISON 1 18.000 | 148.5 |
| Addison | 2 | 383902 | 1ADDISON 2 18.000 | 147.3 |
| Addison | 3 | 383903 | 1ADDISON 3 18.000 | 148.5 |
| Addison | 4 | 383904 | 1ADDISON 4 18.000 | 145.7 |
| Walton Discover | 1 | 383905 | 1WALT DISC 113.800 | 50 |
| Walton Discover | 2 | 383906 | 1WALT DISC 213.800 | 50 |
| Talbot County | 1 | 383911 | 1TALBOT 1 13.800 | 98 |
| Talbot County | 2 | 383912 | 1TALBOT 2 13.800 | 98 |
| Talbot County | 3 | 383913 | 1TALBOT 3 13.800 | 94.7 |
| Talbot County | 4 | 383914 | 1TALBOT 4 13.800 | 96.9 |
| Talbot County | 5 | 383915 | 1TALBOT 5 13.800 | 98 |
| Talbot County | 6 | 383916 | 1TALBOT 6 13.800 | 98 |
| Tenaska - Heard County | 1 | 383921 | 1TENSKA GA 118.000 | 157.5 |
| Tenaska - Heard County | 2 | 383922 | 1TENSKA GA 218.000 | 157.5 |
| Tenaska - Heard County | 3 | 383923 | 1TENSKA GA 318.000 | 157.5 |
| Tenaska - Heard County | 4 | 383924 | 1TENSKA GA 418.000 | 157.5 |
| Tenaska - Heard County | 5 | 383925 | 1TENSKA GA 518.000 | 157.5 |
| Tenaska - Heard County | 6 | 383926 | 1TENSKA GA 618.000 | 157.5 |
| Hawk Road | 1 | 383927 | 1HAWK RD 1 18.000 | 166.5 |
| | | | | |

| Hawk Road | 2 | 383928 | 1HAWK RD 2 18.000 | 166.5 |
|---------------------|----|--------|--------------------|-------|
| Hawk Road | 3 | 383929 | 1HAWK RD 3 18.000 | 166.5 |
| McDonough | 5 | 383961 | 1MCDON 5ST 18.000 | 343 |
| McDonough | 5A | 383962 | 1MCDON 5A 21.000 | 244 |
| McDonough | 5B | 383963 | 1MCDON 5B 21.000 | 244 |
| Smith Dam | 1 | 384142 | 1SMITH GN 13.800 | 82.5 |
| Smith Dam | 2 | 384142 | 1SMITH GN 13.800 | 82.5 |
| Holt Dam | 1 | 384355 | 1HOLT GEN 13.800 | 45 |
| Bankhead Dam | 1 | 384357 | 1BANK GEN 13.800 | 52 |
| Yates Dam | 1 | 384448 | 1YATE GEN 6.9000 | 46 |
| RF Henry Dam | 1 | 385401 | 1RF HENRY 1313.800 | 82 |
| Millers Ferry Dam | 1 | 385402 | 1MILERSFY1 13.800 | 30 |
| Millers Ferry Dam | 2 | 385403 | 1MILERSFY2 13.800 | 30 |
| Millers Ferry Dam | 3 | 385404 | 1MILERSFY3 13.800 | 30 |
| Black Bear Solar | S1 | 386031 | 1BLK BR SLR 34.500 | 100 |
| Fort Rucker Solar | S1 | 386034 | 3RUCKER SLR 115.00 | 10.6 |
| Anniston Army Solar | S1 | 386035 | 3ANAD SLR 115.00 | 11 |
| AMEA Sylacauga | 1 | 386036 | 1AMEA CT1 13.800 | 47.5 |
| AMEA Sylacauga | 2 | 386037 | 1AMEA CT2 13.800 | 47.5 |
| Origis Solar | S1 | 386046 | 1LAFAYTE SLR34.500 | 80 |
| Calhoun | 1 | 386061 | 1CALHOUNCT1 18.000 | 172.5 |
| Calhoun | 2 | 386062 | 1CALHOUNCT2 18.000 | 172.5 |
| Calhoun | 3 | 386063 | 1CALHOUNCT3 18.000 | 172.5 |
| Calhoun | 4 | 386064 | 1CALHOUNCT4 18.000 | 172.5 |
| Washington County | 1 | 386081 | 1WASH CO 1 13.800 | 22.8 |
| Washington County | 1A | 386082 | 1WASH CO 2 13.800 | 77.9 |
| Lowndes County | 1 | 386083 | 1LOWDN CO1 13.800 | 11.9 |
| Lowndes County | 1A | 386084 | 1LOWDN CO2 13.800 | 72.6 |
| Theodore | 1 | 386085 | 1THEO 1 13.800 | 64 |
| Theodore | 1A | 386086 | 1THEO A 18.000 | 167 |
| Hog Bayou | 1 | 386089 | 1HOGBAYOU 1 13.800 | 75 |
| Hog Bayou | 1A | 386090 | 1HOGBAYOU1A 18.000 | 150 |

| Greenville Solar | S1 | 386094 | 1PEAK CLN SL34.500 | 80 |
|------------------|----|--------|--------------------|----------|
| Miller | 1 | 386401 | 1MILLER 1 24.000 | 697 |
| Miller | 2 | 386402 | 1MILLER 2 24.000 | 701.7 |
| Miller | 3 | 386403 | 1MILLER 3 24.000 | 701 |
| Miller | 4 | 386404 | 1MILLER 4 24.000 | 712 |
| Gaston | 1 | 386411 | 1GASTON 1 15.000 | 127 |
| Gaston | 1L | 386411 | 1GASTON 1 15.000 | 127 |
| Gaston | 2 | 386412 | 1GASTON 2 15.000 | 128 |
| Gaston | 2L | 386412 | 1GASTON 2 15.000 | 128 |
| Gaston | 3 | 386413 | 1GASTON 3 15.000 | 127 |
| Gaston | 3L | 386413 | 1GASTON 3 15.000 | 127 |
| Gaston | 4 | 386414 | 1GASTON 4 15.000 | 128 |
| Gaston | 4L | 386414 | 1GASTON 4 15.000 | 128 |
| Gaston | 5 | 386415 | 1GASTON 5 18.000 | 871.5 |
| Gaston | Α | 386416 | 1GASTON A 13.800 | 16 |
| Gadsden | 1 | 386421 | 1GADSDEN1 13.800 | 64 |
| Gadsden | 2 | 386422 | 1GADSDEN2 13.800 | 66 |
| Lindsay Hill | 1 | 386423 | 1LHILL 1ST 22.000 | 361 |
| Lindsay Hill | 1A | 386424 | 1LHILL 1A 18.000 | 163 |
| Lindsay Hill | 1B | 386425 | 1LHILL 1B 18.000 | 163 |
| Lindsay Hill | 1C | 386426 | 1LHILL 1C 18.000 | 163 |
| Central Alabama | 2 | 386427 | 1CENTAL 2ST 22.000 | 393 |
| Central Alabama | 2A | 386428 | 1CENTAL 2A 18.000 | 165.7 |
| Central Alabama | 2B | 386429 | 1CENTAL 2B 18.000 | 165.7 |
| Central Alabama | 2C | 386430 | 1CENTAL 2C 18.000 | 165.7 |
| Hillabee | 1 | 386437 | 1HILLST1 23.000 | 300 |
| Hillabee | 1A | 386438 | 1HILLCT1A 16.000 | 250 |
| Hillabee | 1B | 386439 | 1HILLCT1B 16.000 | 250 |
| Greene County | 1 | 386441 | 1GREENE CO 120.000 | 257.8 |
| Greene County | 2 | 386442 | 1GREENE CO 220.000 | 258.3 |
| Greene County | Α | 386450 | 1GREENCOA 13.800 | 84 |
| Greene County | В | 386451 | 1GREENCOB 13.800 | 82 |
| Siedile ddailey | | 300.31 | 13.121.1333 13.330 | <u> </u> |

| Greene County | С | 386452 | 1GREENCOC 13.800 | 81 |
|---------------|----|--------|--------------------|-------|
| Greene County | D | 386453 | 1GREENCOD 13.800 | 82 |
| Greene County | Е | 386454 | 1GREENCOE 13.800 | 81 |
| Greene County | F | 386455 | 1GREENCOF 13.800 | 80 |
| Greene County | G | 386456 | 1GREENCOG 13.800 | 83 |
| Greene County | Н | 386457 | 1GREENCOH 13.800 | 82 |
| Greene County | Ī | 386458 | 1GREENCOI 13.800 | 85 |
| Farley | 1 | 386461 | 1FARLEY 1 22.000 | 920.2 |
| Farley | 2 | 386462 | 1FARLEY 2 22.000 | 923.8 |
| Barry | 1 | 386471 | 1BARRY 1 18.000 | 138 |
| Barry | 2 | 386472 | 1BARRY 2 18.000 | 137 |
| Barry | 4 | 386474 | 1BARRY 4 22.000 | 362 |
| Barry | 5 | 386475 | 1BARRY 5 26.000 | 794 |
| Barry | 6 | 386476 | 1BARRY 6ST 18.000 | 201 |
| Barry | 6A | 386477 | 1BARRY 6A 18.000 | 187 |
| Barry | 6B | 386478 | 1BARRY 6B 18.000 | 187 |
| Barry | 7 | 386479 | 1BARRY 7ST 18.000 | 205.3 |
| Barry | 7A | 386480 | 1BARRY 7A 18.000 | 189 |
| Barry | 7B | 386481 | 1BARRY 7B 18.000 | 189 |
| Harris | 1 | 386491 | 1HARRIS 1ST 21.000 | 294 |
| Harris | 1A | 386492 | 1HARRIS1A 18.000 | 174 |
| Harris | 1B | 386493 | 1HARRIS1B 18.000 | 174 |
| Harris | 2 | 386494 | 1HARRIS 2ST 21.000 | 286 |
| Harris | 2A | 386495 | 1HARRIS 2A 18.000 | 185 |
| Harris | 2B | 386496 | 1HARRIS 2B 18.000 | 185 |
| Henry Dam | 1 | 386501 | 1HENRYGEN 11.500 | 62 |
| Weiss Dam | 1 | 386511 | 1WEISSGEN 11.500 | 71 |
| Martin Dam | 1 | 386521 | 1LMARTGEN 13.800 | 120 |
| Harris Dam | 1 | 386531 | 1HARISGEN 13.800 | 62 |
| Harris Dam | 2 | 386531 | 1HARISGEN 13.800 | 62 |
| Lay Dam | 1 | 386541 | 1LAY1-3GN 11.500 | 87 |
| Lay Dam | 4 | 386544 | 1LAY4-6GN 11.500 | 87 |

| Martin Dam | 1 | 386551 | 1MART1GEN 12.000 | 45.9 |
|--------------|----|--------|--------------------|-------|
| Martin Dam | 2 | 386552 | 1MART2GEN 12.000 | 37.7 |
| Martin Dam | 3 | 386553 | 1MART3GEN 12.000 | 37.7 |
| Martin Dam | 4 | 386554 | 1MART4GEN 12.000 | 57.1 |
| Jordan Dam | 1 | 386561 | 1JORD1GEN 12.000 | 30.3 |
| Jordan Dam | 2 | 386561 | 1JORD1GEN 12.000 | 30.3 |
| Jordan Dam | 3 | 386563 | 1JORD3GEN 12.000 | 30.3 |
| Jordan Dam | 4 | 386563 | 1JORD3GEN 12.000 | 30.3 |
| Mitchell Dam | 4 | 386574 | 1MITC4GEN 6.6000 | 19 |
| Mitchell Dam | 5 | 386575 | 1MITC5GEN 13.800 | 48 |
| Mitchell Dam | 6 | 386575 | 1MITC5GEN 13.800 | 48 |
| Mitchell Dam | 7 | 386575 | 1MITC5GEN 13.800 | 48 |
| Bouldin Dam | 1 | 386581 | 1BOULD1GN 13.800 | 75.7 |
| Bouldin Dam | 2 | 386582 | 1BOULD2GN 13.800 | 75.3 |
| Bouldin Dam | 3 | 386583 | 1BOULD3GN 13.800 | 75.3 |
| Thurlgen | 1 | 386591 | 1THURLGEN 13.800 | 69.4 |
| Thurlgen | 3 | 386591 | 1THURLGEN 13.800 | 10 |
| Sweatt | Α | 386800 | 1SWEATT A 13.800 | 32 |
| Chevron | 1 | 386831 | 1CHEVRON1 13.200 | 15 |
| Chevron | 2 | 386832 | 1CHEVRON2 13.200 | 15 |
| Chevron | 3 | 386833 | 1CHEVRON3 13.200 | 16 |
| Chevron | 4 | 386834 | 1CHEVRON4 13.200 | 16 |
| Chevron | 5 | 386835 | 1CHEVRON5 13.800 | 70 |
| Watson | Α | 386850 | 1WATSON A 13.800 | 33 |
| Watson | 4 | 386854 | 1WATSON 4 20.000 | 271.5 |
| Watson | 5 | 386855 | 1WATSON 5 24.000 | 516 |
| Daniel | 1 | 386871 | 1DANIEL1 18.000 | 510 |
| Daniel | 2 | 386872 | 1DANIEL 2 18.000 | 510 |
| Daniel | 3 | 386873 | 1DANIEL 3ST 18.000 | 209.7 |
| Daniel | 3A | 386874 | 1DANIEL 3A 18.000 | 170.7 |
| Daniel | 3B | 386875 | 1DANIEL 3B 18.000 | 170.7 |
| Daniel | 4 | 386876 | 1DANIEL 4ST 18.000 | 205.5 |
| | | | | |

| Daniel | 4A | 386877 | 1DANIEL 4A 18.000 | 172.3 |
|-----------------------|----|--------|--------------------|-------|
| Daniel | 4B | 386878 | 1DANIEL4B 18.000 | 172.3 |
| Origis Solar | S1 | 386887 | 10RIGIS SLR 34.500 | 52 |
| Hattiesburg Solar | S1 | 386888 | 1HATTIESB SL34.500 | 50.8 |
| Lauderdale East Solar | S1 | 386889 | 1LAUDR E SLR34.500 | 55 |
| Ratcliffe | 1 | 386891 | 1RATCLF1ST_N18.000 | 296 |
| Ratcliffe | 1A | 386892 | 1RATCLF1A_N 18.000 | 204.5 |
| Ratcliffe | 1B | 386893 | 1RATCLF1B_N 18.000 | 204.5 |
| Boulevard | 1 | 389017 | 1BLVD1 13.800 | 14 |
| McIntosh | 1 | 389122 | 1MCINCT-1 13.800 | 82.2 |
| McIntosh | 2 | 389123 | 1MCINCT-2 13.800 | 82.2 |
| McIntosh | 3 | 389124 | 1MCINCT-3 13.800 | 82.2 |
| McIntosh | 4 | 389125 | 1MCINCT-4 13.800 | 82.2 |
| McIntosh | 5 | 389126 | 1MCINCT-5 13.800 | 82.2 |
| McIntosh | 6 | 389127 | 1MCINCT-6 13.800 | 82.2 |
| McIntosh | 7 | 389128 | 1MCINCT-7 13.800 | 82.2 |
| McIntosh | 8 | 389129 | 1MCINCT-8 13.800 | 82.2 |
| McIntosh | 10 | 389131 | 1MCINT 10ST 21.000 | 283.4 |
| McIntosh | 1A | 389132 | 1MCINT 10A 21.000 | 192.3 |
| McIntosh | 1B | 389133 | 1MCINT 10B 21.000 | 192.3 |
| McIntosh | 11 | 389134 | 1MCINT 11ST 21.000 | 283 |
| McIntosh | 1A | 389135 | 1MCINT 11A 21.000 | 192 |
| McIntosh | 1B | 389136 | 1MCINT 11B 21.000 | 192 |
| Weyerhauser Biomass | 1 | 389199 | 1WEYERPW BIO13.800 | 40 |
| Weyerhauser Biomass | 2 | 389199 | 1WEYERPW BIO13.800 | 25 |
| | | | | |



Appendix 9: TVA BAA

The following information provides a more granular overview of the TVA BAA input assumptions and transmission expansion plan that are incorporated in the development of the SERTP regional transmission plan.

Table A9.1: 2021 SERTP Regional Transmission Plan – Transmission Project Snapshot by operating voltage (TVA BAA)

| | | | , , | J 1 | 0 0 | |
|---|---------|---------|---------|---------|---------|---------|
| TVA BAA | 100-120 | 121-150 | 151-199 | 200-299 | 300-399 | 400-550 |
| | kV | kV | kV | kV | kV | kV |
| Transmission lines - New (Circuit Mi.) | | | 104.9 | | | |
| Transmission Lines – Uprates ¹ (Circuit Mi.) | | | 46.2 | | | |
| Transformers ² - New | | | | | | 1 |
| Transformers ² - Replacements | | | | | | |

¹A transmission line uprate may be the result of reconductoring and/or increasing the operating temperature/voltage along the transmission line.

Table A9.2: Interface commitments¹ modeled in the SERTP Summer Peak models – TVA BAA

| То | 2023 | 2026 | 2031 |
|---------------------------|--------|--------|--------|
| PJM | -400 | -400 | -400 |
| MISO | 226 | 226 | 226 |
| Duke Progress West | 14 | 14 | 14 |
| Southern | 50.8 | 46.8 | 41.7 |
| LG&E/KU | 30 | 33 | 36 |
| Brookfield/Smoky Mountain | -99 | -99 | -99 |
| APGI-Tapoco | 0 | 0 | 0 |
| SPP | -80 | -80 | -80 |
| Owensboro Municipal | 25 | 25 | 25 |
| Total | -233.2 | -234.2 | -236.3 |

¹A positive number represents a net export from the TVA BAA

²The voltages shown represent the operating voltages on the high side terminals of the transformer

A detailed listing of the changes in generation assumptions within the TVA BAA throughout the ten (10) year planning horizon, including the year(s) in which they occur, is provided in Table A9.3 below. Furthermore, supplemental information regarding noteworthy generation expansion and retirements/decertifications included in the 2021 series set of SERTP powerflow models is provided below, while Table A9.4 provides a listing of generation assumptions based upon long-term, firm point-to-point commitments. The capacity (MW) values shown for each year reflect summer peak conditions. Table A9.5 provides a listing of all generators modeled in the 2023 Version 2 Summer Peak powerflow model.

Table A9.3: Changes in Generation Assumptions Based Upon LSEs - TVA BAA

| | | | | | L. | | | | | |
|-----------------------|------|------|------|------|------|------|------|------|------|------|
| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
| Racoon Mtn Gen 3 | 440 | 440 | 440 | 440 | 440 | 440 | 440 | 440 | 440 | 440 |
| Bull Run FP Unit 1 | 870 | 870 | 870 | 0 | | | | | | |
| Elora Solar | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| Golden Triangle Solar | | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |
| Horus KY Solar | | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| Yum Yum Solar | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 | 147 |
| Skyhawk Solar | | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| SR McKellar Solar | | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| Bell Buckle Solar | | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |

 $Table\,A 9.4:\,Generation\,Assumptions\,Based\,\,Upon\,Expected\,Long-term, Firm\,\,Point-to-Point\,Commitments-TVA\,\,BAA$

| Site | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 |
|------|------|------|------|------|------|------|------|------|------|------|
| | | | | None | | | | | | |

Table A9.5: Generating Units Modeled in the 2023 Version 2 Summer Peak Powerflow Model – TVA BAA

| Plant | Unit | Bus# | Bus Name | Pmax (MW) |
|----------------------|------|--------|--------------------|-----------|
| Browns Ferry Nuclear | 1 | 364001 | 1BR FERRY N122.000 | 1297.6 |
| Browns Ferry Nuclear | 1 | 364002 | 1BR FERRY N222.000 | 1299.4 |
| Browns Ferry Nuclear | 1 | 364003 | 1BR FERRY N322.000 | 1302.5 |
| Sequoyah Nuclear | 1 | 364011 | 1SEQUOYAH N124.000 | 1200.24 |

| Sequoyah Nuclear | 1 | 364012 | 1SEQUOYAH N224.000 | 1187.24 |
|-------------------------|---|--------|---------------------|---------|
| Watts Bar Nuclear | 1 | 364021 | 1WBNP N1 24.000 | 1241.1 |
| Watts Bar Nuclear | 2 | 364022 | 1WBNP N2 24.000 | 1293.89 |
| Skyhawk Solar | 1 | 364037 | 1SKYHAWK SOL34.500 | 100 |
| Lake County Solar | 1 | 364044 | 1LAKE CY SOL34.500 | 177 |
| Latitude Solar | 1 | 364048 | 1LATIT SOLAR13.000 | 15 |
| Providence Solar | 1 | 364049 | OPROV SOLAR 0.8000 | 16.1 |
| Selmer Solar | 1 | 364050 | OSELMER SOLRO.2000 | 17 |
| Mulberry Solar | 1 | 364053 | OMULB SOLAR 0.2000 | 16 |
| River Bend Solar | 1 | 364054 | ORIVER BEND 0.5500 | 75 |
| Millington Solar | 1 | 364055 | OMILNGTN SOL0.6900 | 53 |
| Wildberry Solar | 1 | 364056 | OWILDBRY SOL0.8000 | 15 |
| Muscle Shoals Solar | 1 | 364057 | OMUS SHL SLR0.6000 | 228.5 |
| Elora Solar | 1 | 364058 | 0ELORA SOLARO. 6600 | 150 |
| Yum Yum Solar | 1 | 364059 | 0YUM YUM SOL0.5500 | 147 |
| Ardmore Solar | 1 | 364063 | OARDMORE SOLO.6500 | 15.71 |
| Selmer North Solar | 1 | 364064 | OSELMER NOR10.3900 | 16.1 |
| Selmer North Solar | 1 | 364065 | OSELMER NOR20.3900 | 8.5 |
| Golden Triangle Solar | 1 | 364066 | 0GN TRI SOL10.6000 | 100 |
| Golden Triangle Solar | 2 | 364067 | 0GN TRI SOL20.6000 | 100 |
| Golden Triangle Battery | 1 | 364068 | 0GOL TRI BAT0.6000 | 50 |
| Bull Run Steam | 1 | 364109 | 1BULLRUN F1H24.000 | 463.6 |
| Bull Run Steam | 1 | 364110 | 1BULLRUN F1L24.000 | 465.7 |
| Cumberland Steam | 1 | 364119 | 1CUMBRL F1HL22.000 | 662.5 |
| Cumberland Steam | 2 | 364119 | 1CUMBRL F1HL22.000 | 662.5 |
| Cumberland Steam | 1 | 364120 | 1CUMBRL F2HL22.000 | 667.5 |
| Cumberland Steam | 2 | 364120 | 1CUMBRL F2HL22.000 | 656.5 |
| Gallatin Steam | 1 | 364121 | 1GALLATIN F124.000 | 240 |
| Gallatin Steam | 1 | 364122 | 1GALLATIN F224.000 | 240 |
| Gallatin Steam | 1 | 364123 | 1GALLATIN F324.000 | 281 |
| Gallatin Steam | 1 | 364124 | 1GALLATIN F424.000 | 281 |
| Kingston Steam | 1 | 364154 | 1KINGSTON F418.000 | 144 |

| Kingston Steam | 1 | 364156 | 1KINGSTON F620.000 | 190 |
|----------------------------|---|--------|--------------------|--------|
| Kingston Steam | 1 | 364157 | 1KINGSTON F720.000 | 190 |
| Kingston Steam | 1 | 364158 | 1KINGSTON F820.000 | 190 |
| Shawnee Steam | 1 | 364171 | 1SHAWNEE F1 18.000 | 143 |
| Shawnee Steam | 1 | 364172 | 1SHAWNEE F2 18.000 | 143 |
| Shawnee Steam | 1 | 364173 | 1SHAWNEE F3 18.000 | 143 |
| Shawnee Steam | 1 | 364174 | 1SHAWNEE F4 18.000 | 143 |
| Shawnee Steam | 1 | 364175 | 1SHAWNEE F5 18.000 | 143 |
| Shawnee Steam | 1 | 364176 | 1SHAWNEE F6 18.000 | 143 |
| Shawnee Steam | 1 | 364177 | 1SHAWNEE F7 18.000 | 143 |
| Shawnee Steam | 1 | 364178 | 1SHAWNEE F8 18.000 | 143 |
| Shawnee Steam | 1 | 364179 | 1SHAWNEE F9 18.000 | 143 |
| Colbert Steam | 1 | 364211 | 1COLBERT T1 13.800 | 49 |
| Colbert Steam | 2 | 364212 | 1COLBERT T2 13.800 | 49 |
| Colbert Steam | 3 | 364213 | 1COLBERT T3 13.800 | 49 |
| Colbert Steam | 4 | 364214 | 1COLBERT T4 13.800 | 49 |
| Colbert Steam | 5 | 364215 | 1COLBERT T5 13.800 | 49 |
| Colbert Steam | 6 | 364216 | 1COLBERT T6 13.800 | 49 |
| Colbert Steam | 7 | 364217 | 1COLBERT T7 13.800 | 49 |
| Gallatin Steam | 5 | 364225 | 1GALLATIN T513.800 | 84 |
| Gallatin Steam | 6 | 364226 | 1GALLATIN T613.800 | 84 |
| Gallatin Steam | 7 | 364227 | 1GALLATIN T713.800 | 84 |
| Gallatin Steam | 8 | 364228 | 1GALLATIN T813.800 | 84 |
| Gleason Combustion Turbine | 1 | 364231 | 1GLEASON T1 18.000 | 171.33 |
| Gleason Combustion Turbine | 2 | 364232 | 1GLEASON T2 18.000 | 171.33 |
| Gleason Combustion Turbine | 3 | 364233 | 1GLEASON T3 13.800 | 171.34 |
| Johnsonville Steam | 1 | 364241 | 1JVILLET1 13.800 | 56 |
| Johnsonville Steam | 2 | 364242 | 1JVILLET2 13.800 | 56 |
| Johnsonville Steam | 3 | 364243 | 1JVILLET3 13.800 | 56 |
| Johnsonville Steam | 4 | 364244 | 1JVILLET4 13.800 | 56 |
| Johnsonville Steam | 5 | 364245 | 1JVILLET5 13.800 | 56 |
| Johnsonville Steam | 6 | 364246 | 1JVILLET6 13.800 | 56 |

| Johnsonville Steam | 7 | 364247 | 1JVILLE T7 13.800 | 56 |
|------------------------------------|---|--------|--------------------|----|
| Johnsonville Steam | 8 | 364248 | 1JVILLET8 13.800 | 56 |
| Johnsonville Steam | 9 | 364249 | 1JVILLET9 13.800 | 56 |
| Johnsonville Steam | 1 | 364250 | 1JVILLE T10 13.800 | 56 |
| Johnsonville Steam | 1 | 364251 | 1JVILLE T11 13.800 | 56 |
| Johnsonville Steam | 1 | 364252 | 1JVILLE T12 13.800 | 56 |
| Johnsonville Steam | 1 | 364253 | 1JVILLE T13 13.800 | 56 |
| Johnsonville Steam | 1 | 364254 | 1JVILLE T14 13.800 | 56 |
| Johnsonville Steam | 1 | 364255 | 1JVILLE T15 13.800 | 56 |
| Johnsonville Steam | 1 | 364256 | 1JVILLE T16 13.800 | 56 |
| Johnsonville Steam | 1 | 364257 | 1JVILLE T17 13.800 | 84 |
| Johnsonville Steam | 1 | 364258 | 1JVILLE T18 13.800 | 84 |
| Johnsonville Steam | 1 | 364259 | 1JVILLE T19 13.800 | 84 |
| Johnsonville Steam | 1 | 364260 | 1JVILLE T20 13.800 | 84 |
| Kemper City Combustion | 1 | 364261 | 1KEMPER T1 13.800 | 84 |
| Turbine | | | | |
| Kemper City Combustion Turbine | 1 | 364262 | 1KEMPER T2 13.800 | 84 |
| Kemper City Combustion | 1 | 364263 | 1KEMPERT3 13.800 | 84 |
| Turbine | | | | |
| Kemper City Combustion Turbine | 1 | 364264 | 1KEMPER T4 13.800 | 84 |
| Lagoon Creek Combustion | 1 | 364271 | 1LAG CRK T1 13.800 | 85 |
| Turbine | | | | |
| Lagoon Creek Combustion Turbine | 1 | 364272 | 1LAG CRK T2 13.800 | 85 |
| Lagoon Creek Combustion | 1 | 364273 | 1LAG CRK T3 13.800 | 85 |
| Turbine | 1 | 364274 | 1LAG CRK T4 13.800 | 85 |
| Lagoon Creek Combustion Turbine | 1 | 304274 | 1LAG CKK 1413.800 | 85 |
| Lagoon Creek Combustion Turbine | 1 | 364275 | 1LAG CRK T5 13.800 | 85 |

| Lagoon Creek Combustion Turbine | 1 | 364276 | 1LAG CRK T6 13.800 | 85 |
|------------------------------------|---|--------|--------------------|--------|
| Lagoon Creek Combustion Turbine | 1 | 364277 | 1LAG CRK T7 13.800 | 85 |
| Lagoon Creek Combustion Turbine | 1 | 364278 | 1LAG CRK T8 13.800 | 85 |
| Lagoon Creek Combustion Turbine | 1 | 364279 | 1LAG CRK T9 13.800 | 84 |
| Lagoon Creek Combustion Turbine | 1 | 364280 | 1LAG CRK T1013.800 | 84 |
| Lagoon Creek Combustion Turbine | 1 | 364281 | 1LAG CRK T1113.800 | 84 |
| Lagoon Creek Combustion Turbine | 1 | 364282 | 1LAG CRK T1213.800 | 84 |
| Marshall Combustion Turbine | 1 | 364291 | 1MARSHALLT113.800 | 85.63 |
| Marshall Combustion Turbine | 1 | 364292 | 1MARSHALLT213.800 | 85.63 |
| Marshall Combustion Turbine | 1 | 364293 | 1MARSHALLT313.800 | 85.63 |
| Marshall Combustion Turbine | 1 | 364294 | 1MARSHALLT413.800 | 85.63 |
| Marshall Combustion Turbine | 1 | 364295 | 1MARSHALLT513.800 | 85.63 |
| Marshall Combustion Turbine | 1 | 364296 | 1MARSHALLT613.800 | 85.63 |
| Marshall Combustion Turbine | 1 | 364297 | 1MARSHALLT713.800 | 85.63 |
| Marshall Combustion Turbine | 1 | 364298 | 1MARSHALLT813.800 | 85.63 |
| Lagoon Creek Combined Cycle | 1 | 364301 | 1LAG CRK CT116.500 | 179.81 |
| Lagoon Creek Combined Cycle | 1 | 364302 | 1LAG CRK CT216.500 | 179.81 |
| Lagoon Creek Combined Cycle | 1 | 364303 | 1LAG CRK STG18.000 | 230.38 |
| Paradise Combined Cycle | 1 | 364304 | 1PARADIS CT118.000 | 211 |
| Paradise Combined Cycle | 2 | 364305 | 1PARADIS CT218.000 | 211 |
| Paradise Combined Cycle | 3 | 364306 | 1PARADIS CT318.000 | 211 |
| Paradise Combined Cycle | 1 | 364307 | 1PARADIS S1 19.000 | 467 |
| John Sevier Combined Cycle | 1 | 364321 | 1J SEVIER C118.000 | 165.57 |
| John Sevier Combined Cycle | 2 | 364322 | 1J SEVIER C218.000 | 165.57 |
| John Sevier Combined Cycle | 3 | 364323 | 1J SEVIER C318.000 | 165.56 |
| John Sevier Combined Cycle | 4 | 364324 | 1J SEVIER S419.500 | 377.3 |

| Allen Combined Cycle | 1 | 364325 | 1ALLENCC CT125.000 | 333 |
|--------------------------|---|--------|--------------------|-------|
| Allen Combined Cycle | 1 | 364326 | 1ALLENCC CT225.000 | 333 |
| Allen Combined Cycle | 1 | 364327 | 1ALLENCC ST119.000 | 439 |
| Raccoon Mtn Pump Storage | 1 | 364401 | 1RACCOON P1 23.000 | 440 |
| Raccoon Mtn Pump Storage | 1 | 364402 | 1RACCOON P2 23.000 | 440 |
| Raccoon Mtn Pump Storage | 1 | 364403 | 1RACCOON P3 23.000 | 440 |
| Raccoon Mtn Pump Storage | 1 | 364404 | 1RACCOON P4 23.000 | 440 |
| Apalachia Hydro | 1 | 364421 | 1APALACH H1 13.800 | 41.19 |
| Apalachia Hydro | 1 | 364422 | 1APALACH H2 13.800 | 41.22 |
| Blue Ridge Hydro | 1 | 364423 | 1BLUERIDG H112.500 | 17.35 |
| Boone Hydro | 1 | 364424 | 1BOONE H1 13.800 | 37.8 |
| Boone Hydro | 1 | 364425 | 1BOONE H2 13.800 | 37.8 |
| Chatuge Hydro | 1 | 364428 | 1CHATUGE H1 6.9000 | 13.92 |
| Chickamauga Hydro | 1 | 364431 | 1CHICKAMG H113.800 | 35.8 |
| Chickamauga Hydro | 1 | 364432 | 1CHICKAMG H213.800 | 35.8 |
| Chickamauga Hydro | 1 | 364433 | 1CHICKAMG H313.800 | 35.8 |
| Douglas Hydro | 1 | 364435 | 1DOUGLAS H1 13.800 | 45.82 |
| Douglas Hydro | 1 | 364436 | 1DOUGLAS H2 13.800 | 45.82 |
| Douglas Hydro | 1 | 364437 | 1DOUGLAS H3 13.800 | 45.82 |
| Fontana Hydro | 1 | 364439 | 1FONTANA H1 13.800 | 103 |
| Fontana Hydro | 1 | 364440 | 1FONTANA H2 13.800 | 103 |
| Fontana Hydro | 1 | 364441 | 1FONTANA H3 13.800 | 103 |
| Fort Loudoun Hydro | 1 | 364442 | 1FTLOUD H1 13.800 | 39.95 |
| Fort Loudoun Hydro | 3 | 364443 | 1FTLOUD H3 13.800 | 45.31 |
| Fort Loudoun Hydro | 1 | 364444 | 1FTLOUD H2 13.800 | 38 |
| Fort Loudoun Hydro | 4 | 364445 | 1FTLOUD H4 13.800 | 45.31 |
| Fort Patrick Henry Hydro | 2 | 364446 | 1FT PAT H1-213.800 | 20.32 |
| Great Falls Hydro | 1 | 364447 | 1GFALLS H1-26.6000 | 15.93 |
| Guntersville Hydro | 1 | 364448 | 1GUNTERSV H113.800 | 28.81 |
| Guntersville Hydro | 1 | 364449 | 1GUNTERSV H213.800 | 30.6 |
| Guntersville Hydro | 1 | 364450 | 1GUNTERSV H313.800 | 29.84 |
| Guntersville Hydro | 1 | 364451 | 1GUNTERSV H413.800 | 31.27 |

| Hiwassee Hydro | 1 | 364452 | 1HIWASSEE H113.800 | 87.69 |
|---------------------|---|--------|--------------------|-------|
| Hiwassee Hydro | 1 | 364453 | 1HIWASSEE H213.800 | 94.2 |
| Kentucky Hydro | 1 | 364456 | 1KY HYDRO H113.800 | 44.6 |
| Kentucky Hydro | 1 | 364457 | 1KY HYDRO H213.800 | 46.1 |
| Kentucky Hydro | 1 | 364458 | 1KY HYDRO H313.800 | 45.1 |
| Kentucky Hydro | 1 | 364459 | 1KY HYDRO H413.800 | 45.8 |
| Kentucky Hydro | 1 | 364460 | 1KY HYDRO H513.800 | 45.3 |
| Melton Hill Hydro | 1 | 364461 | 1MELTON H H113.800 | 39.49 |
| Norris Hydro | 1 | 364465 | 1NORRISH1 13.800 | 63.47 |
| Norris Hydro | 1 | 364466 | 1NORRISH2 13.800 | 63.47 |
| Nottely Hydro | 1 | 364467 | 1NOTTELY H1 13.800 | 19.22 |
| Ocoee Hydro | 1 | 364468 | 10C0EE#1H1-32.3000 | 4.81 |
| Ocoee Hydro | 2 | 364468 | 10C0EE#1H1-32.3000 | 4.81 |
| Ocoee Hydro | 1 | 364470 | 1OCOEE#2H1-26.6000 | 10.9 |
| Ocoee Hydro | 1 | 364471 | 10C0EE #3 H113.800 | 29.3 |
| Pickwick Hydro | 1 | 364472 | 1PICKWICK H113.800 | 44.3 |
| Pickwick Hydro | 1 | 364473 | 1PICKWICK H213.800 | 42.9 |
| Pickwick Hydro | 1 | 364474 | 1PICKWICK H313.800 | 42.8 |
| Pickwick Hydro | 1 | 364475 | 1PICKWICK H413.800 | 43.59 |
| Pickwick Hydro | 1 | 364476 | 1PICKWICK H513.800 | 43.7 |
| South Holston Hydro | 1 | 364478 | 1SHOLSTON H113.800 | 44.37 |
| Watauga Hydro | 1 | 364480 | 1WATAUGA H1 13.800 | 37.86 |
| Watts Bar Hydro | 1 | 364482 | 1WBHPH1 13.800 | 39.27 |
| Watts Bar Hydro | 1 | 364483 | 1WBHPH2 13.800 | 39.27 |
| Watts Bar Hydro | 1 | 364484 | 1WBHPH3 13.800 | 39.27 |
| Watts Bar Hydro | 1 | 364485 | 1WBHPH4 13.800 | 39.2 |
| Watts Bar Hydro | 1 | 364486 | 1WBHPH5 13.800 | 39.2 |
| Wilbur Hydro | 1 | 364493 | 1WILBUR H4 2.3000 | 7.2 |
| Wilson Hydro | 1 | 364499 | 1WILSON11-1213.800 | 29.8 |
| Wilson Hydro | 2 | 364499 | 1WILSON11-1213.800 | 29.5 |
| Wilson Hydro | 1 | 364500 | 1WILSON13-1413.800 | 29.6 |
| Wilson Hydro | 2 | 364500 | 1WILSON13-1413.800 | 29.6 |

| Wilson Hydro | 1 | 364501 | 1WILSON15-1613.800 | 29.23 |
|--------------------|---|--------|--------------------|-------|
| Wilson Hydro | 2 | 364501 | 1WILSON15-1613.800 | 29.23 |
| Wilson Hydro | 1 | 364502 | 1WILSON17-1813.800 | 29.01 |
| Wilson Hydro | 2 | 364502 | 1WILSON17-1813.800 | 29.03 |
| Wilson Hydro | 1 | 364503 | 1WILSON H19 13.800 | 54.97 |
| Wilson Hydro | 1 | 364504 | 1WILSON H20 13.800 | 56.06 |
| Wilson Hydro | 1 | 364505 | 1WILSON H2113.800 | 54.97 |
| Cherokee Hydro | 1 | 364511 | 1CHEROKEE H113.800 | 37.2 |
| Cherokee Hydro | 2 | 364512 | 1CHEROKEE H213.800 | 39.83 |
| Cherokee Hydro | 3 | 364513 | 1CHEROKEE H313.800 | 39.83 |
| Cherokee Hydro | 4 | 364514 | 1CHEROKEE H413.800 | 36.84 |
| Nickajack Hydro | 1 | 364521 | 1NICKAJACK 113.800 | 30.7 |
| Nickajack Hydro | 1 | 364522 | 1NICKAJACK 213.800 | 27.31 |
| Nickajack Hydro | 1 | 364523 | 1NICKAJACK 313.800 | 26.03 |
| Nickajack Hydro | 1 | 364524 | 1NICKAJACK 413.800 | 26.08 |
| Barkley Hydro | 1 | 364601 | 1BARKLEY H1 13.800 | 37 |
| Barkley Hydro | 1 | 364602 | 1BARKLEY H2 13.800 | 37 |
| Barkley Hydro | 1 | 364603 | 1BARKLEY H3 13.800 | 37 |
| Barkley Hydro | 1 | 364604 | 1BARKLEY H4 13.800 | 37 |
| Center Hill Hydro | 1 | 364605 | 1CENTHILL H113.800 | 52 |
| Center Hill Hydro | 1 | 364606 | 1CENTHILL H213.800 | 52 |
| Center Hill Hydro | 1 | 364607 | 1CENTHILL H313.800 | 52 |
| Cheatham Hydro | 1 | 364608 | 1CHEATHAM H113.800 | 13.8 |
| Cheatham Hydro | 1 | 364609 | 1CHEATHAM H213.800 | 13.8 |
| Cheatham Hydro | 1 | 364610 | 1CHEATHAM H313.800 | 13.8 |
| Cordell Hull Hydro | 1 | 364611 | 1CORDELL H1 13.800 | 38 |
| Cordell Hull Hydro | 1 | 364612 | 1CORDELL H2 13.800 | 38 |
| Cordell Hull Hydro | 1 | 364613 | 1CORDELL H3 13.800 | 38 |
| Dale Hollow Hydro | 1 | 364614 | 1DALE HOL H113.800 | 20.7 |
| Dale Hollow Hydro | 1 | 364615 | 1DALE HOL H213.800 | 20.7 |
| Dale Hollow Hydro | 1 | 364616 | 1DALE HOL H313.800 | 20.7 |
| Old Hickory Hydro | 1 | 364617 | 10LDHICKH1-213.800 | 28.7 |

| Old Hickory Hydro | 2 | 364617 | 10LDHICKH1-213.800 | 29 |
|--------------------------------|---|--------|--------------------|--------|
| Old Hickory Hydro | 1 | 364618 | 10LDHICKH3-413.800 | 29 |
| Old Hickory Hydro | 2 | 364618 | 10LDHICKH3-413.800 | 29 |
| Percy Priest Hydro | 1 | 364619 | 1PERCY PR H113.800 | 30 |
| Wolf Creek Hydro | 1 | 364620 | 1WOLFCR H1-213.800 | 52 |
| Wolf Creek Hydro | 2 | 364620 | 1WOLFCR H1-213.800 | 52 |
| Wolf Creek Hydro | 1 | 364621 | 1WOLFCR H3-413.800 | 52 |
| Wolf Creek Hydro | 2 | 364621 | 1WOLFCR H3-413.800 | 52 |
| Wolf Creek Hydro | 1 | 364622 | 1WOLFCR H5-613.800 | 52 |
| Wolf Creek Hydro | 2 | 364622 | 1WOLFCR H5-613.800 | 52 |
| Wheeler Hydro | 1 | 364650 | 1WHEELER 1-213.800 | 38.77 |
| Wheeler Hydro | 2 | 364650 | 1WHEELER 1-213.800 | 33.23 |
| Wheeler Hydro | 1 | 364651 | 1WHEELER 3-413.800 | 33.62 |
| Wheeler Hydro | 2 | 364651 | 1WHEELER 3-413.800 | 33.43 |
| Wheeler Hydro | 1 | 364652 | 1WHEELER 5-613.800 | 34.69 |
| Brownsville Combustion Turbine | 1 | 364701 | 1BROWNSVLT113.800 | 115 |
| Brownsville Combustion Turbine | 2 | 364702 | 1BROWNSVLT213.800 | 115 |
| Ackerman Combined Cycle | 1 | 364721 | 1ACKERMANT116.000 | 229.78 |
| Ackerman Combined Cycle | 1 | 364722 | 1ACKERMAN T216.000 | 229.78 |
| Ackerman Combined Cycle | 1 | 364723 | 1ACKERMAN S116.000 | 295.43 |
| Decatur Combined Cycle | 1 | 364731 | 1DEC CT1 18.000 | 184 |
| Decatur Combined Cycle | 1 | 364732 | 1DEC CT2 18.000 | 184 |
| Decatur Combined Cycle | 1 | 364733 | 1DEC CT3 18.000 | 184 |
| Decatur Combined Cycle | 1 | 364734 | 1DEC STG 18.000 | 296 |
| Magnolia Combined Cycle | 1 | 364761 | 1MAGNOLT1 18.000 | 167.21 |
| Magnolia Combined Cycle | 1 | 364762 | 1MAGNOLT2 18.000 | 167.21 |
| Magnolia Combined Cycle | 1 | 364763 | 1MAGNOLT3 18.000 | 167.21 |
| Magnolia Combined Cycle | 1 | 364764 | 1MAGNOLS1 18.000 | 160.79 |
| Magnolia Combined Cycle | 1 | 364765 | 1MAGNOLS2 18.000 | 160.79 |
| Magnolia Combined Cycle | 1 | 364766 | 1MAGNOLS3 18.000 | 160.79 |
| Morgan Combined Cycle | 1 | 364771 | 1MEC CT1 18.000 | 157.99 |
| Morgan Combined Cycle | 1 | 364772 | 1MEC CT2 18.000 | 157.99 |
| | | | | |

| 1 | 364773 | 1MEC CT3 18.000 | 157.99 |
|---|--|--|--|
| 1 | 364774 | 1MEC STG 18.000 | 261.03 |
| 1 | 364780 | 1REDHILLS F120.000 | 489 |
| 1 | 364791 | 1S HAVEN T1 18.000 | 163.64 |
| 3 | 364792 | 1S HAVEN T2 18.000 | 163.64 |
| 5 | 364793 | 1S HAVEN T3 18.000 | 163.64 |
| 2 | 364794 | 1S HAVEN S1 13.800 | 107.36 |
| 4 | 364795 | 1S HAVEN S2 13.800 | 107.36 |
| 6 | 364796 | 1S HAVEN S3 13.800 | 107.36 |
| 1 | 364801 | 1COGCALED T118.000 | 180.4 |
| 2 | 364802 | 1COGCALED S113.800 | 117.1 |
| 3 | 364803 | 1COGCALED T218.000 | 180.4 |
| 4 | 364804 | 1COGCALED S213.800 | 117.1 |
| 5 | 364805 | 1COGCALED T318.000 | 180.4 |
| 6 | 364806 | 1COGCALED S313.800 | 117.1 |
| 1 | 364911 | 1WEYERHSR G113.800 | 27.56 |
| 2 | 364912 | 1WEYERHSR G213.800 | 27.57 |
| | 1 1 1 3 5 2 4 6 1 2 3 4 5 6 | 1 364774 1 364780 1 364791 3 364792 5 364793 2 364794 4 364795 6 364796 1 364801 2 364802 3 364803 4 364804 5 364805 6 364806 1 364911 | 1 364774 1MEC STG 18.000 1 364780 1REDHILLS F120.000 1 364791 1S HAVEN T1 18.000 3 364792 1S HAVEN T2 18.000 5 364793 1S HAVEN T3 18.000 2 364794 1S HAVEN S1 13.800 4 364795 1S HAVEN S2 13.800 6 364796 1S HAVEN S3 13.800 1 364801 1COGCALED T118.000 2 364802 1COGCALED S113.800 3 364803 1COGCALED T218.000 4 364804 1COGCALED T318.000 5 364805 1COGCALED T318.000 6 364806 1COGCALED S313.800 1 364911 1WEYERHSR G113.800 |