Georgia Power

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PUBLIC DISCLOSURE

October 3, 2022

Ms. Sallie Tanner
Executive Director
Georgia Public Service Commission
244 Washington Street, SW
Atlanta, GA 30334-5701

RE: Georgia Power Company's Semi-Annual Coal Combustion Residuals Asset Retirement Obligation (CCR ARO) Report; Docket No. 43083

Dear Ms. Tanner:

Enclosed for filing in compliance with the Georgia Public Service Commission's ("Commission") July 29, 2019 Order Adopting Stipulation as Amended in Docket No. 42310 ("2019 IRP Final Order") is Georgia Power Company's (the "Company") Semi-Annual CCR ARO Report ("Report"). The Company files this Report to update the Commission on the Company's CCR ARO compliance strategy activities through July 31, 2022 and other notable updates. Enclosed are the trade secret and public disclosure versions of the Report made in accordance with the Commission's Alternative Electronic Filing Procedures issued on March 17, 2020.

This filing contains certain information that is being filed under the Commission's trade secret rules as explained in the enclosed document regarding the basis for the assertion. If you have any questions, please call Cheryl Johnson at 404-506-6837.

Sincerely,

/s/ Kelley Balkcom
Kelley Balkcom
Director, Regulatory Affairs
Georgia Power Company

Enclosure

BEFORE THE GEORGIA PUBLIC SERVICE COMMISSION

SEMI-ANNUAL COAL COMBUSTION RESIDUALS
ASSET RETIREMENT OBLIGATION REPORT
DOCKET NO. 43083

GEORGIA POWER COMPANY

BASIS FOR THE ASSERTION THAT THE INFORMATION SUBMITTED IS A TRADE SECRET

In accordance with the order of the Georgia Public Service Commission, Georgia Power Company ("Georgia Power" or the "Company") hereby submits the Coal Combustion Residuals Asset Retirement Obligation ("CCR ARO") Program Semi-Annual Program Status Report ("Report") in Docket No. 43083. In the Report, the Company has submitted details related to its environmental compliance strategies, including projected and current cost estimates for CCR ARO ash pond closures and landfill projects (the "Information"), that constitute trade secret information of the Southern Company, Georgia Power, and its affiliates and is therefore protected from public disclosure under Commission Rule 515-3-1-11.

The Information derives economic value from not being generally known to, and not being readily ascertainable by proper means by other persons who can obtain economic value from its disclosure or use. Specifically, the trade secret portions of the Information contain competitively sensitive details on the site specific and CCR unit specific costs the Company is expected to incur to close its ash ponds and landfills, the timing and issuance of future contracts, as well as the Company's expected investment in beneficial reuse projects. Publicly disclosing these costs would allow bidders and vendors to tailor proposals according to the Company's expected costs, setting an artificial floor on bidding, to the detriment and harm of the Company and its customers by not allowing the Company to conduct a proper solicitation and obtain the best cost estimates for future work. Disclosure of the Information could harm the Company and its customers in its efforts to obtain optimal pricing in current or future negotiations. In addition, the Company's competitors are not generally required to disclose similar information, and to require the Company to do so would put it at an economic disadvantage.

The Information is subject to extensive efforts to maintain its confidentiality. Only select Georgia Power and Southern Company personnel and their legal counsel are granted access to the Information. Those personnel receive access only on a "need to know" basis. If a party outside of Georgia Power and Southern Company and their legal counsel are granted access to the Information, the party is required to sign a confidentiality agreement with respect to the Information.

Brett Mitchell, first being duly sworn, deposes and states that he has reviewed the Report and that, to the best of his knowledge, the specific information designated as trade secret therein constitutes trade secrets pursuant to Article 27, Chapter 1, Title 10 of the Georgia Code.

Brett Mitchell
Environmental Affairs CCR PMO Director
Georgia Power Company

Subscribed and sworn to before me this 27th day of September, 2022.

Notary Public

My Commission expires: 6.5.23

Coal Combustion Residuals
Asset Retirement Obligation Program
Semi-Annual Program Status Report

Georgia Power Company

October 1, 2022

FORWARD-LOOKING STATEMENT CAUTIONARY NOTE

Certain information contained in this report is forward-looking information based on current expectations and plans that involve risks and uncertainties. Forward-looking information includes, among other things, statements concerning environmental regulations, related compliance plans, and estimated expenditures. Georgia Power cautions there are certain factors that can cause actual results to differ materially from the forward-looking information that has been provided. The reader is cautioned not to put undue reliance on this forward-looking information, which is not a guarantee of future performance and is subject to a number of uncertainties and other factors, many of which are not within the control of Georgia Power. Accordingly, there can be no assurance that such suggested results will be realized. The following factors, in addition to those discussed in Georgia Power's Annual Report on Form 10-K for the fiscal year ended December 31, 2021, Quarterly Reports on Form 10-Q for the quarters ended March 31, 2022 and June 30, 2022 and subsequent securities filings, could cause actual results to differ materially from management expectations as suggested by such forward-looking information: the impact of recent and future federal and state regulatory changes, including tax, environmental, and other laws and regulations to which Georgia Power is subject, as well as changes in application of existing laws and regulations; the potential effects of the continued COVID-19 pandemic; the extent and timing of costs and legal requirements related to coal combustion residuals; current and future litigation or regulatory investigations, proceedings, or inquiries; the ability to control costs and avoid cost and schedule overruns during the development, construction and operation of facilities or other projects; legal proceedings and regulatory approvals and actions related to construction projects; the ability to construct facilities in accordance with the requirements of permits and licenses and to satisfy any environmental performance standards and the requirements of tax credits and other incentives; advances in technology; state and federal rate regulations and the impact of pending and future rate cases and negotiations, including rate actions relating to cost recovery mechanisms; the direct or indirect effect on the Company's business resulting from cyber intrusion or physical attack and the threat of physical attacks; catastrophic events such as fires, earthquakes, explosions, floods, tornadoes, hurricanes and other storms, droughts, pandemic health events, political unrest, or other similar occurrences; and the effect of accounting procurements issued periodically by standard-setting bodies. Georgia Power expressly disclaims any obligation to update any forward-looking information.

Georgia Power Company
Coal Combustion Residuals Asset Retirement Obligation Program
Semi-Annual Program Status Report
October 1, 2022

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Georgia Power Company
Coal Combustion Residuals Asset Retirement Obligation Program
Semi-Annual Program Status Report
October 1, 2022

In accordance with the Georgia Public Service Commission's ("PSC" or the "Commission") Final Order in the 2019 Integrated Resource Plan ("IRP") proceeding in Docket No. 42310 and Final Order in the 2022 IRP proceeding in Docket No. 44160, Georgia Power Company ("Georgia Power" or the "Company") provides this semi-annual report under Docket No. 43083, regarding the Asset Retirement Obligations ("ARO") for its Coal Combustion Residuals ("CCR") compliance strategy activities through July 31, 2022 and other notable updates occurring in 2022.

I. EXECUTIVE SUMMARY

Georgia Power is continuing progress on the ash pond and CCR landfill closure projects at locations across the state as detailed in Section II. During this reporting period, Georgia Power's CCR program recognized two notable strategy-related updates:

- In the Company's 2022 IRP proceedings (Docket No. 44160), the Commission approved the retirement of two coal units at Plant Wansley and the facility's change in ash pond closure strategy to closure by removal. As part of the Environmental Compliance Strategy ("ECS") process, the Company has continued to evaluate and optimize its closure plans as site-specific opportunities arise. With the Commission's approval of the proposed retirement of Plant Wansley Units 1 and 2, Georgia Power recommended modifying the site's ash pond closure plans from closure in place to closure by removal in order to maximize the use of the existing landfill asset, manage schedule and construction risks associated with the closure in place design, and preserve the option for future beneficial use of ash as driven by the market. The CCR ARO planning assumptions and schedules have been adjusted to reflect the Plant Wansley strategy revision.

- In addition to the approved Wansley strategy change, the Company awarded the first contract from the 2019 Beneficial Use Request for Proposals ("RFP") to support ash harvesting at Plant Bowen. Over the next 15 years, the Company expects to market almost half of the ash from the ash pond and CCR landfill at Plant Bowen for the ready-mix concrete market. This arrangement will reduce long-term liability with a smaller final ash pond closure footprint to maintain in post-closure care ("PCC"), produce ash sales to offset ash pond closure costs, and expand the Company's ash pond beneficial use efforts to include the ready-mix concrete market.

The CCR ARO forecast remains $8.89 billion, which includes $1.0 billion in project to date actual costs incurred through July 2022. In order to advance ash pond closures and meet the stringent regulatory deadlines associated with the Federal CCR Rule and Georgia CCR Rule, regardless of permit issuance, the Company must continue to proceed with work, including groundwater monitoring, detailed engineering designs, and construction activities, as well as develop and implement site-specific and comprehensive ash pond dewatering processes. This will allow Georgia Power to remain in compliance with applicable mandated closure deadlines.

During the reporting period, the Company received a final permit from the Georgia Environmental Protection Division ("EPD") for Plant Mitchell, bringing total issued permits to nine. Meanwhile, the Company continues to monitor permitting developments, including ongoing discussions between Georgia EPD and the Environmental Protection Agency ("EPA"), as related to the Georgia program. The Company continues to take an approach that proceeds with work that must be completed to remain within the stringent regulatory deadlines, while continuing to pursue final permits.

Georgia Power's Environmental Compliance Strategy

As outlined in the ECS, Georgia Power's compliance strategy process is developed to produce cost-effective compliance strategies, which will maximize the benefit to customers while achieving environmental objectives and ensuring compliance with all regulatory requirements. The ECS is annually revised and filed and is triennially submitted for approval by the PSC through the IRP process. The Company provides updates on the CCR ARO compliance strategy through its ECS updates. Implementation progress is reported semi-annually in the CCR ARO Program Status Reports. The Company also posts compliance-related information on the Company's external website. Per the approved 2022 IRP (Docket No. 44160), the Company is obligated to provide updates to the PSC within 30 days of any action by the EPD that would alter the Company's current plan from closing certain ash ponds in place.

Georgia Power has 29 ash ponds and 12 existing CCR landfills at 12 active or retired generating sites across the state. The Company is required to comply with both the Federal CCR Rule and Georgia's CCR Rule at these ash ponds and landfills. Georgia Power originally presented its strategy to comply with these rules to the Commission in the Company's 2019 ECS and this strategy was reviewed and approved by the PSC during the 2019 IRP (Docket No. 42310). The CCR strategy was amended based on unit retirement opportunities at Plant Wansley presented in the 2022 ECS, which was reviewed and approved by the PSC in the 2022 IRP (Docket No. 44160).The following table summarizes the Company's PSC-approved closure strategy for its ash ponds and CCR landfills.

Table 1. Georgia Power's Ash Ponds and Existing CCR Landfills ("CCR Units")

	Ash Pond Closure Method			Existing CCR Landfills
	Closure by Removal	Closure in Place	Total	
Arkwright				**3**
Bowen		1	**1**	**1**
Branch	5		**5**	
Hammond	3	1	**4**	**1**
Kraft	1		**1**	**1**
McDonough	1	3	**4**	
McIntosh	1		**1**	**2**
McManus	1		**1**	
Mitchell	3		**3**	
Scherer		1	**1**	**1**
Wansley	1		**1**	**1**
Yates	4	3	**7**	**2**
	20	9	**29**	**12**

Compliance with Federal and Georgia CCR Rules

Georgia Power's ash pond and CCR landfill closure plans and compliance strategy are designed to comply with the Federal CCR Rule, as well as the more stringent requirements of the Georgia CCR Rule. The Georgia CCR Rule regulates all CCR units in the state and establishes a comprehensive permitting program through which the EPD incorporates Federal and Georgia CCR Rule requirements, including aggressive compliance schedules. The EPD will review applications for all CCR units, issue permits, and oversee ash pond and CCR landfill operations and closure activities to ensure they meet the requirements of the Georgia CCR Rule and are protective of human health and the environment. As required, Georgia Power submitted CCR permit applications to the EPD for all ash ponds and CCR landfills in late 2018. These applications included active and previously closed CCR landfills and ash ponds.

Both the Federal CCR Rule and the Georgia CCR Rule, which adopts the Federal CCR Rule by reference, mandate strict regulatory deadlines to complete closure of ash ponds; the Company must comply with these compliance requirements. While the more stringent Georgia CCR Rule also incorporates the regulatory deadlines outlined in the Federal CCR Rule, it creates additional compliance requirements through the state's permitting process for the Company's ash ponds and CCR landfills. The Company, bound by applicable stringent regulatory deadlines and regardless of permit issuance, must complete certain compliance requirements and proceed with work to meet these deadlines.

Extensive construction activities are being or will be implemented at each site, such as dewatering, ash excavation, ash consolidation/placement, installation of closure cover systems, installation of engineering controls, and site restoration. The Company, relying significantly on the experience and knowledge of third-party experts, has evaluated the volume, complexity, and duration of these required activities on a site-specific basis and has created comprehensive closure plans and construction execution plans necessary to comply with the CCR Rules. The closure plans for the CCR units are site-specific. Each project is progressing with design, dewatering, and construction based on their site-specific project schedules and are at different stages of progress depending on individual project status.

Both Federal and Georgia CCR Rules specify PCC activities. In many cases, PCC spans for decades into the future and will include inspecting the closed ash ponds and CCR landfills to verify continued structural integrity, maintaining the integrity of the final cover system, and sampling and maintaining the groundwater monitoring network. The interim post-closure care ("IPCC") activities occur during the time period following closure construction, while closure certification reports are being finalized and approved by the EPD and permits are being issued for those projects that have yet to receive a final permit. The Company must conduct monitoring and maintenance activities during this period, which precedes the PCC period.

Georgia Power's overall program – including closure construction, IPCC, and PCC – is currently expected to span decades into the future, with a majority of spend projected over the next 15 years during closure construction.

CCR Program Progress Summary

The Company continues to make progress on its CCR program. Construction and engineering activities are advancing, permitting activities are continuing, groundwater monitoring and reporting is ongoing, and dewatering activities are progressing with and in preparation for active construction.

As closure construction has progressed, Georgia Power has continued to instill a culture of safety excellence on all sites. Over 484,000 safe work hours have been performed between January and July 2022, with a cumulative program total of 4.1 million safe work hours without significant injury, as defined by Edison Electric Institute. Construction activities have begun at each site for ash pond closures. This includes completed or active closure construction at 22 ash ponds and preliminary sitework and final design at the remaining ponds to prepare the sites to begin closure construction activities in the near future. Construction activities are conducted by qualified contractors who are required to

comply with regulatory and permit requirements, as well as robust design packages assembled by professional engineers.

In order to gain public input, prior to issuing final permits, the EPD issues draft permits for public review and comment. The EPD addresses comments it receives when issuing final permits. To date, the EPD has issued nine final permits, including the Company's first closure in place permit. Furthermore, a draft permit has been issued by the EPD for one additional closure in place unit. Site-specific closure plans and detailed engineering drawings were included in the Company's permit applications submitted to the EPD in late 2018. Quality assurance plans, which were also included in the Company's permit applications, are implemented through third-party engineering firms and ensure that closure activities are completed per approved permit drawings and in compliance with regulatory and permit requirements.

The EPD has approved dewatering plans for nine of the Company's sites, with two of those dewatering projects (Plant McManus and Plant McIntosh) now complete. The dewatering plans describe the water treatment system, controls, and monitoring that will be implemented during the dewatering process to ensure that the water discharged is in compliance with wastewater permits and is protective of water quality standards. The dewatering activities occur under the direction of independent, third-party licensed wastewater treatment operators throughout the duration of each closure project. The Company has also engaged independent, third-party contractors for effluent and receiving stream sampling and accredited, independent laboratories for analyses. Water quality monitoring data is reported monthly to the EPD and a monthly summary is also placed on Georgia Power's external website.

Georgia Power has installed comprehensive groundwater monitoring networks, including more than 600 wells, to actively monitor groundwater quality at ash ponds and CCR landfills and has continued to add supplemental wells to these networks. The Company has hired independent, third-party engineers and groundwater professionals to install and maintain the groundwater monitoring well networks for each site. Third-party, independent engineers and geologists sample wells in the monitoring network, statistically analyze and evaluate the data, and write reports interpreting and summarizing the results. Groundwater samples are analyzed by accredited, independent, third-party laboratories. Sampling, reporting, and additional well installations, as necessary, will continue through 2022 and beyond to ensure compliance with the CCR Rules.

Georgia Power's CCR Asset Retirement Obligation

Prior to January 1, 2003, the Company included estimated costs for the future closure of ash ponds and CCR landfills in the cost of removal component in depreciation rates. After

mandatory adoption of the Financial Accounting Standards 143 — Asset Retirement Obligations in January 2003 (now Accounting Standards Codification ("ASC") 410), the Company reclassified the costs to separate Federal Energy Regulatory Commission accounts, excluded the cost from depreciation rates, and began accounting for the cost as ARO. Such costs have consistently been included in rates established by the PSC since that time.

Georgia Power consistently monitors and evaluates project assumptions, including, but not limited to, timing and schedule assumptions for permits and construction, project scope, post-closure activities, and estimated future escalation. Georgia Power's current forecast applicable to retail customers over the next approximately 60 years is $8.89 billion, which includes $1.0 billion in actual costs incurred from January 1, 2003 through July 31, 2022. Georgia Power's retail estimate at completion ("EAC") for the CCR ARO program is consistent with the April 2022 ECS update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year-end.

The Company will refine cost and closure plans as these projects progress. The Company's current cost recovery methodology was approved by the PSC in Georgia Power's 2019 Base Rate Case (Docket No. 42516) and, as directed in the Final Order for that proceeding, was addressed in the Company's 2020 and 2021 annual compliance filings. Future rate adjustments are being considered through the Company's 2022 Base Rate Case (Docket No. 44280), which is currently under review by the Commission.

Various factors could impact the Company's CCR ARO compliance efforts, construction schedules, permit approvals, and overall cost moving forward. These factors include, but are not limited to, regulatory deadlines, permit issuance and requirements, state and federal rule amendments, legislative action, material procurement, ash volumes, design and/or scope changes, availability of qualified contractors, contractor performance, weather, completion of competitive bids and contracts for pending projects, water treatment plans and technology, optimization of groundwater monitoring networks, corrective action requirements, long-term maintenance needs, potential to take advantage of beneficial use opportunities and to achieve projected volumes of ash into the beneficial use market, the impact of emerging technologies throughout the life of the program, and other market and external factors.

The Company is dedicated to establishing and implementing appropriate mitigation efforts to reduce the probability and potential impacts of such risks. With continued focus on strategic project leadership and oversight of the risk and change control processes, the Company is committed to actively managing the CCR program, by enhancing work practices to improve consistency, accuracy, and visibility across the program.

II. PROJECT UPDATES

Activity Overview

Georgia Power's CCR permit applications include site-specific closure plans for each ash pond ("AP") or CCR landfill project. In order to advance the program, and for the projects to comply with the deadlines in the CCR Rules, the Company has progressed design and engineering efforts, construction activities, permitting, groundwater monitoring and reporting, and dewatering activities.

Permitting

In compliance with Georgia's CCR Rule, and as further discussed in detail in the Company's ECS filings since 2019, permit applications for all CCR units were submitted to the EPD in late 2018. The permit documents submitted to the EPD include voluminous amounts of compliance information, as it relates to inspections, design criteria, engineering calculations, operating criteria, groundwater monitoring, closure plans, post-closure plans, quality control, and other required information. As part of the permitting process, Georgia EPD reviews and provides comments to Georgia Power on the site-specific details of the individual permit applications. Georgia Power then reviews EPD's comments and works with third-party engineering firms to update permit documents, engineering designs, and any other information necessary to address and respond to Georgia EPD's comments.

To date, final permits for Plant Bowen AP-1, Plant Hammond AP-1, Plant Hammond AP-2, Plant Hammond AP-4, Plant McIntosh AP-1, Plant McManus AP-1, Plant Mitchell AP-A/AP-1/AP-2, Plant Yates Gypsum Landfill, and Plant Yates AP-1 have been issued by the EPD. The issuance of a final permit for Plant Bowen AP-1 in February 2022 marked the Company's first closure in place final permit. During the course of the EPD's review, Georgia Power responded to multiple rounds of comments and data requests. The Company took steps to address EPD's comments, which included modifying groundwater monitoring networks, revising permit documents, and updating closure drawings and engineering calculations. However, while EPD required the Company to update its application and plans, final permits were largely consistent with the initial applications and did not significantly change the Company's closure plans.

Additionally, to date, a draft permit for Plant Hammond AP-3 has been issued by the EPD. EPD permitting activities for the remaining projects are currently expected to continue for the next several years. The Company continues to respond to the EPD's requests for information and to address comments for the remaining permit applications under review.

Through the permitting process, solar generation is also continuing to be evaluated on CCR units that have completed closure construction. With the Commission's approval in the 2016 IRP (Docket No. 40161) for ash pond solar demonstration projects, options for future solar development are currently included in the Hammond AP-3 draft permit and McDonough AP-2, AP-3, AP-4 permit application for the combined AP-3/4 CCR unit. A solar pilot is currently underway at McDonough AP-3/4, and other installations will be completed after approval by the EPD in the permitting process and closure construction of the CCR units has been completed. The Company is planning to incorporate future solar development at McIntosh AP-1; a permit modification request to incorporate solar was approved in the third quarter of 2022.

The Company will continue to work to meet all regulatory compliance requirements for these CCR units.

Dewatering and Water Treatment

The Company's dewatering process during ash pond closures involves treating all contact water in order to meet the requirements of each plant's wastewater permit, as well as the associated dewatering plans approved by the EPD, to ensure compliance with water quality standards. As of July 2022, the Company is conducting dewatering operations at six plants in accordance with the EPD-approved dewatering plans. Dewatering is occurring at Plants Bowen, Branch, Hammond, McDonough, Mitchell, and Yates. Plant Wansley is scheduled to commence dewatering in early 2023, after the completion of construction and commissioning of their water treatment system and in accordance with their EPD-approved dewatering plan thereafter. Georgia Power submitted Plant Scherer's dewatering plan in June of 2022 and is awaiting EPD approval. Dewatering activities are projected to begin in the first quarter of 2023 pending required approvals and completion of wastewater treatment construction and commissioning activities.

Ash pond dewatering has concluded at Plant McManus and Plant McIntosh, where all ash was removed from the former ash ponds and placed in permitted landfills. The final certifications of ash removal reports were submitted to the EPD in 2019 and 2021, respectively. The EPD acknowledged the ash had been removed and that dewatering activities had been completed. The dewatering water treatment systems have been demobilized and removed from both Plant McManus and Plant McIntosh.

The dewatering activities occur under the direction of independent, third-party licensed wastewater treatment plant operators throughout the duration of each closure project. Through July 2022, independent wastewater treatment contractors treated approximately 514 million gallons of water and independent sampling contractors conducted over 300 sampling events for the effluent and receiving streams, bringing program totals to

over 3.1 billion gallons of water treated and over 2,000 sampling events for the effluent and receiving streams. Water quality monitoring data is reported monthly to the EPD and a monthly summary is also placed on Georgia Power's external website. In some cases, water treatment may continue into the PCC period to manage ongoing water treatment requirements. This support will continue until the needs of the sites are addressed. In addition, the Company has engaged independent, third-party contractors for weekly effluent and bi-monthly receiving stream sampling throughout dewatering. Samples collected by independent contractors are analyzed by accredited independent laboratories.

The dewatering process is dynamic and complex. The treatment system demands are often impacted by rainfall and site-specific closure conditions. For these reasons, the required treatment technologies may be different at each site and may change during the closure process to support the needs of the site, which may cause labor resources, operating schedules, and associated costs to fluctuate. The Company will adjust the individual site water treatment infrastructure to align with site needs during closure and post-closure as required.

Groundwater

Georgia Power continues to monitor groundwater at its ash ponds and CCR landfills and to report the results to the EPD, as well as to post regular updates to the Company's external website. Georgia Power has installed comprehensive groundwater monitoring networks, including more than 600 wells, at its facilities across the state to actively monitor groundwater quality at each site.

As required under the CCR Rules, the Company continues to perform routine sampling and reporting for the compliance parameters listed in the Rules. Through July 2022, 16 additional groundwater wells and piezometers were installed, more than 750 groundwater samples were collected from all the wells, and the results were included in 63 routine groundwater reports submitted to the EPD and posted to Georgia Power's external website. Where parameters have been observed at statistical levels above the groundwater protection standard ("GWPS"), the Company entered into assessment of corrective measures ("ACM").

As required under the CCR Rules, the Company has installed additional monitoring wells to further characterize groundwater quality near CCR units in ACM. As the Company continues the ACM process, prior to implementing a corrective measure or remedy, the Company will conduct additional activities such as continued site characterization (including groundwater sampling, well and piezometer installation, and laboratory bench scale testing), remedy selection, and reporting to the EPD. Third-party, independent

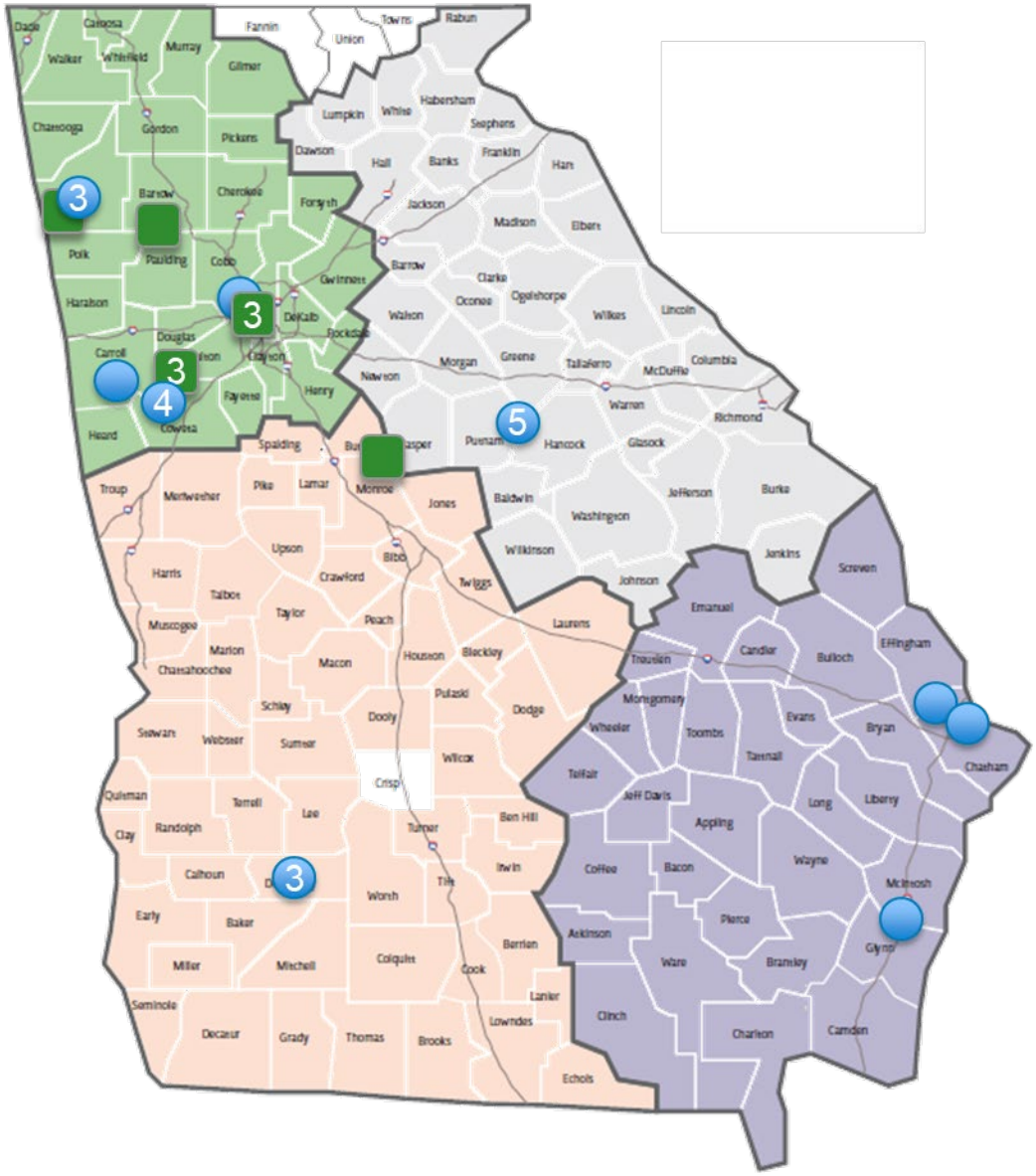
consultants will continue groundwater sampling, data evaluation, interpretation, and reporting while accredited independent laboratories will continue performing analyses following the appropriate methodology and protocols.

Draft remedy selection reports for Plant Hammond AP-1 and AP-2 and Plant Yates AP-3/AP-B' and R6 were submitted to Georgia EPD in the third quarter of 2022. The reports signify the next step in the regulatory process towards selecting a remedy or corrective action to address substances in groundwater above the GWPS. The reports were prepared by independent engineers and geologists and contain data for Plants Hammond and Yates that is used to evaluate corrective measures and to select a proposed remedy for EPD to review and approve. In a limited number of instances, the Company has detected substances in groundwater above the GWPS; these substances are isolated to a few wells on Company property. Extensive data collected confirms that the groundwater leaving Georgia Power's property meets the federal drinking water standard.

The Company will continue to comply with groundwater monitoring requirements in the Federal and Georgia CCR Rules by conducting semi-annual groundwater monitoring and reporting for the sites during the closure process and in post-closure.

Ash Pond Locations

Georgia Power has 29 ash ponds at 11 sites.



Ash Pond Estimated Closure Timeframes

Ash pond estimated closure construction timeframes vary by location and are site-specific. As discussed previously, schedule duration and timing of each activity for the projects can be influenced by numerous factors, including, but not limited to, state and federal regulatory actions and rule amendments, legislative action, necessary scope changes, weather, final ash quantities, beneficial use market trends, contractor productivity, and other market and external factors. The summary provided below represents the individual ash pond closure strategy along with the estimated closure construction timeframe by site that is consistent with the April 2022 Environmental Compliance Strategy in Docket No. 44160. The Company has experienced variations in its schedule forecast and is in the process of updating assumptions to coincide with the Company's upcoming 2022 year-end cost forecast described in Section IV. Estimated closure completion timelines are indicative of aggressive targets and future risks or opportunities could cause these estimated timeframes to shift. Additional unit-specific cost and schedule information is provided in Section V. The Company will continue to update project schedules as each project progresses.

Table 2. Ash Pond Estimated Closure Construction Timeframes

	Closure by Removal	Closure in Place	Total	Estimated Closure Construction Completion[1,2]
Bowen		1	**1**	**2036**
Branch	5		**5**	**2036**
Hammond	3	1	**4**	**2031**
Kraft	1		**1**	**2016**
McDonough	1	3	**4**	**2023**
McIntosh	1		**1**	**2022**
McManus	1		**1**	**2020**
Mitchell	3		**3**	**2027**
Scherer		1	**1**	**2032**
Wansley	1		**1**	**2032**
Yates	4	3	**7**	**2022**
	20	9	**29**	

[1] For those sites with multiple ash ponds, the date above reflects the last pond's estimated closure construction completion date for the site in total. The "Estimated Closure Construction Completion" date reflects the estimated end of closure construction and estimated completion of major restoration activities that may go beyond the submittal of the Closure Certification Report or the Certification of Removal Report.

[2] *The Company's schedule forecasts are consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO plans and expects updates to coincide with the upcoming 2022 year-end cost forecast described in Section IV.*

Ash Pond Closure Construction

The Company has made closure construction progress at 22 ash ponds across Georgia. These closure activities include dewatering, ash excavation, ash consolidation/ placement, installation of closure cover systems, installation of engineering controls, and site restoration. A summary of construction status for these ponds is listed in Table 3 below.

Table 3. Ash Pond Construction Progress

	Closure by Removal	Closure in Place	IPCC	PCC
Construction Complete				
Branch AP-A	●		Previously Removed	Previously Removed
• CCR was previously removed from the 1-acre ash pond and consolidated within AP-E before the Georgia CCR Rule became effective. A certification of removal report has been filed with the EPD. Site restoration has been completed.				
Hammond AP-3		●	●	
• AP-3 has been closed in place. CCR within the 25-acre footprint was graded to drain and an impermeable cover system that includes a geomembrane was installed over the final footprint. A final closure certification has been filed with the EPD. Consistent with the post-closure plan, and to enhance the effectiveness of closure, a TreeWell® system is planned outside and downgradient of the CCR footprint of AP-3. The system utilizes specialized lined planting units constructed with optimum planting media designed to promote downward root growth and focus groundwater extraction from a targeted depth interval. AP-3 is in IPCC, with PCC anticipated to begin upon receipt of the final CCR permit.				
Kraft AP-1	●		Previously Removed	Previously Removed
• CCR was previously removed from the 7-acre ash pond to off-site permitted landfills before the Georgia CCR Rule became effective. Additionally, the removal was part of an expanded plant retirement project and was regulated by the EPD's Response and Remediation Program. Georgia Power submitted a certification of removal report for AP-1 to the EPD in 2018 as part of a site-wide Compliance Status Report. The EPD provided concurrence with the Compliance Status Report in June 2020 and delisted the site from the EPD's Hazardous Site Inventory in 2021.				

	Closure by Removal	Closure in Place	IPCC	PCC
McIntosh AP-1	●			●
• CCR was removed from the 22-acre ash pond and placed in Landfill No. 4, an onsite permitted CCR landfill. A certification of removal report has been submitted to and acknowledged by the EPD. AP-1 is in PCC.				
McManus AP-1	●			●
• CCR was removed from the 82-acre ash pond and placed in an off-site permitted landfill. A certification of removal report has been submitted to and acknowledged by the EPD. Site restoration activities were completed in 2020. AP-1 is in PCC.				
Yates AP-1	●			●
• CCR was removed from the 30-acre ash pond and consolidated in R6, an onsite permitted CCR landfill, as well as consolidated in AP-B' and AP-3. A certification of removal report has been submitted to and acknowledged by the EPD. AP-1 is in PCC, which began in early 2022.				
Construction Underway or Significantly Completed				
Bowen AP-1		●		
• Closure construction is ongoing on the 254-acre ash pond. Dewatering water treatment is ongoing, consistent with the EPD-approved Dewatering Plan. In 2022, the Company awarded a contract to support beneficial use efforts. Infrastructure development to accommodate ash beneficiation has begun.				
Hammond AP-1, AP-2	●			
• Closure construction is ongoing for both the 35-acre and 21-acre ash ponds (AP-1 and AP-2, respectively). Work is continuing with the removal of CCR from AP-2 to Huffaker Road, the Company-owned off-site permitted CCR landfill. Dewatering water treatment is ongoing, consistent with the EPD-approved Dewatering Plan.				
McDonough AP-1		●		
• Closure construction is ongoing on the 25-acre ash pond. The closure includes the installation of a geosynthetic cap cover system, which is nearing completion. Preconstruction work associated with the installation of a barrier wall is ongoing, as EPD reviews engineering plans for the barrier wall.				
McDonough AP-2	●			
• CCR was removed from the 7-acre ash pond and consolidated in AP-1, AP-3, and AP-4. Backfilling of the former pond and additional site restoration is ongoing. A certification of removal report has been submitted to and acknowledged by the EPD.				

	Closure by Removal	Closure in Place	IPCC	PCC
McDonough AP-3 & AP-4		●		
• Consolidation of CCR from a combined ash pond area of 79-acres to a smaller footprint continues. A cap cover system that includes a geomembrane is being installed to cover the final footprint. Consistent with the closure plans, closure construction includes an under-slope drainage system and the continued interim use of AEM wells. Dewatering water treatment is ongoing, consistent with the EPD-approved Dewatering Plan.				
Mitchell AP-1, AP-2, AP-A	●			
• CCR removal from the combined ash pond area of 104-acres is ongoing. CCR is continuing to be transported off-site for beneficial use. Dewatering water treatment is ongoing, consistent with the EPD-approved Dewatering Plan.				
Yates AP-A	●			
• CCR has been removed from the 24-acre ash pond and consolidated within the AP-3 and AP-B' footprint, which is being closed in place. A certification of removal report has been submitted to and acknowledged by the EPD. Site restoration is ongoing.				
Yates AP-B	●			
• CCR has been removed from the 6-acre ash pond and consolidated within the AP-3 and AP-B' footprint, which is being closed in place. Site restoration is ongoing.				
Yates AP-2	●			
• CCR is being removed from the 60-acre ash pond and consolidated within the AP-3 and AP-B' footprint, which is being closed in place. Dewatering water treatment is ongoing for the site, and all contact water from AP-2 and the other ponds is managed as required by the EPD-approved Dewatering Plan.				
Yates AP-3, AP-B'		●		
• CCR from other ponds at Plant Yates has been and is continuing to be consolidated within the footprint of the combined AP-3 and AP-B' pond. Installation of a cap cover system (which includes a geomembrane) is underway and will ultimately cover the entire consolidated footprint of 88.5-acres upon completion. Consistent with the closure plans, a subsurface hydraulic conveyance system has been incorporated into the closure construction plans.				
Yates AP-C		●		
• The former ash pond was previously incorporated into the onsite permitted CCR landfill, R6.				

Pre-Construction Activities

A summary of progress for the remaining seven ash ponds is listed in Table 4 below. The Company has made significant progress with ongoing work including engineering studies, design, closure evaluations, constructability reviews, and other early site work and pre-construction activities for these sites. The ongoing pre-construction activities help ensure the closure can be completed effectively, taking into account site-specific conditions and regulatory closure requirements. The Company continues to take an approach that proceeds with work that must be completed to remain within the stringent regulatory deadlines, while continuing to pursue final permits. In addition, the Company is making necessary preparations and taking actions related to contracting for the various stages of work associated with the closure of these ponds. All of the following ash ponds are in various stages of design, permitting, contracting, and/or early site preparation work.

Table 4. Ash Pond Pre-Construction Activities

	Detailed Design	Active Dewatering	Bid Process	Early Site Preparation*
Branch AP-B, AP-C, AP-D, AP-E	Design at 90%	●	Underway	●
• Dewatering water treatment consistent with the EPD-approved Dewatering Plan is ongoing. Early site preparation activities are underway, such as construction of stormwater diversion features, procurement of construction materials for initial landfill cell construction, demolition of existing site infrastructure, improvement to existing site access and haul roads, and further site development to support initial landfill cell construction and dewatering. Permitting is underway for a new landfill to accept CCR from the ash pond closures.				
Hammond AP-4	Design at 30%	●		
• Dewatering water treatment consistent with the EPD-approved Dewatering Plan is ongoing. The Company is continuing to progress the closure design package. AP-4 will be closed by removal to a Company-owned off-site permitted CCR landfill (Huffaker Road) or another off-site permitted landfill. Site restoration will be completed following CCR removal.				
Scherer AP-1	Design at 90%		Underway	●
• Design has been finalized and the constructability review is complete. Early site preparation work began in 2021 and dewatering water treatment is expected to commence in 2023. Consistent with the closure plans, closure construction includes consolidation of the current footprint and closure of the pond with an extension of the final cover system over non-CCR containing areas to minimize stormwater infiltration.				

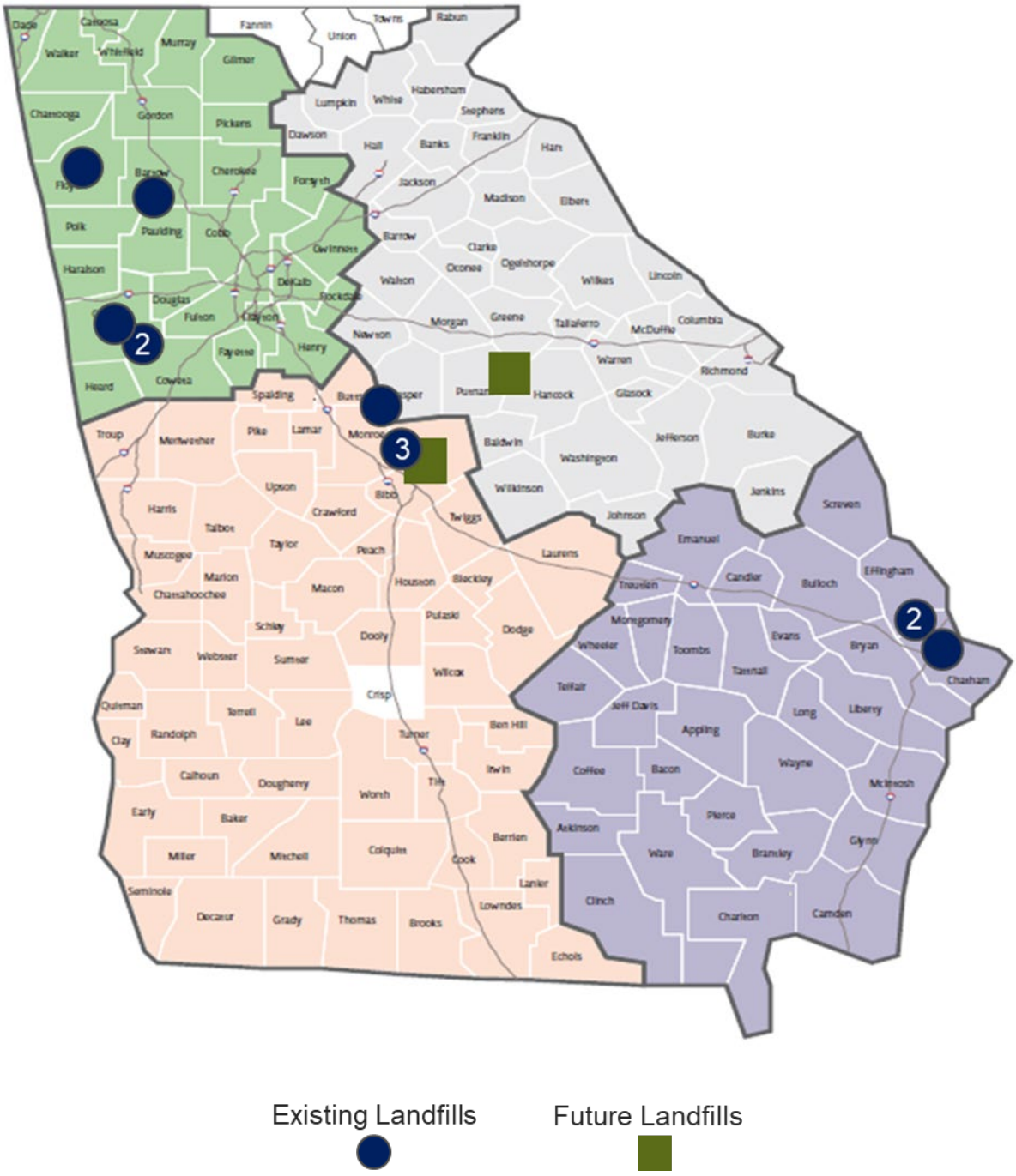
	Detailed Design	Active Dewatering	Bid Process	Early Site Preparation*
Wansley AP-1	Design at ~30%		Underway	●

- As per the Commission's approval of the Company's 2022 IRP, the closure method for Wansley AP-1 has changed to closure by removal. The closure-by-removal detailed design and revised permit application are currently in development. Early site preparation activities are complete. Dewatering water treatment consistent with the EPD-approved Dewatering Plan is expected to commence in 2023.

**Early site preparation includes activities such as contractor mobilization, setup of temporary facilities, laydown area construction, stormwater controls installation, etc.*

CCR Landfill Locations

Georgia Power has 12 existing CCR landfills and 2 future CCR landfills planned, which will be permitted to support closures into the future.



CCR Landfill Estimated Closure Timeframes

CCR landfill estimated closure construction timeframes vary by location, are site-specific, and may differ based on various factors. These factors include status of plant operations, unit capacity factors, available landfill capacity, and whether the landfill is designated to support ash pond closure activities. Landfill closure dates at coal generating plants are significantly influenced by generation output and how much operational ash is sold for beneficial use and not disposed of in the onsite landfill. The Company will continue to update landfill closure construction timeframes as appropriate based on the factors described above.

Table 5. Landfill Estimated Closure Construction Timeframes

	Existing CCR Landfills	Future, New Permitted Landfills	Total	Estimated Closure Construction Completion[1,2]
Arkwright	3	1	**4**	**2030**
Bowen	1		**1**	**2043**
Branch		1	**1**	**2037**
Hammond	1		**1**	**2031**
Kraft	1		**1**	**2020**
McIntosh	2		**2**	**2022**
Scherer	1		**1**	**2043**
Wansley	1		**1**	**2033**
Yates	2		**2**	**2022**
	12	2	**14**	

[1] For those sites with multiple landfills or landfill cells, the date above reflects the last cell's estimated closure construction completion date for the site. The "Estimated Closure Construction Completion" date reflects the estimated end of closure construction and estimated completion of major restoration activities, which may go beyond the submittal of the Closure Certification Report or the Certification of Removal Report.

[2] The Company's schedule forecasts are consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO plans and expects updates to coincide with the upcoming 2022 year-end cost forecast described in Section IV.

Landfill Activities

Georgia Power is complying with federal and state requirements at its 12 existing CCR landfills. Five of the 12 landfills either support current plant operations or ash pond closure projects and are actively operated under existing Solid Waste Permits. The remaining seven landfills are closed or undergoing closure under their existing Solid Waste Permits. All landfill permits are in the process of being updated in compliance with the Georgia CCR Rule to include additional regulatory requirements.

- **Arkwright:** 3 CCR landfills closed in 2010 under Solid Waste Regulations applicable at the time of closure. Under the new Georgia CCR Rule, the CCR units will be removed and consolidated into a future onsite permitted CCR landfill. Site restoration will be completed following CCR removal.

- **Bowen:** CCR landfill is to remain active as part of ongoing plant operations. The landfill will undergo closure when permitted capacity is reached or when CCR disposal is no longer needed. Based on updated capacity forecasts for the coal units at the site, the Company has determined that the development of certain additional cells in the Bowen landfill is available for ash pond closure purposes, which would allow the company to maximize the use of the existing landfill asset, as well as recognize potential schedule and beneficial use opportunities as part of the site's ash pond closure strategy. Georgia Power will update its cost and schedule forecast accordingly in future forecast revisions.

- **Hammond Huffaker:** CCR landfill is to be closed following placement of CCR from certain ash ponds at Plant Hammond.

- **Kraft Grumman Road:** CCR landfill closure construction is complete and the CCR unit is in IPCC. Final construction certification documents have been filed with the EPD. Additional restoration activities have been completed and the Company is conducting additional groundwater studies to support the ACM process and remedy selection.

- **McIntosh:** CCR Landfill No. 3 is closed and in PCC. CCR Landfill No. 4 Cell 1 is currently in IPCC. Additionally, CCR Landfill No. 4 Cell 2A is currently undergoing closure construction commensurate with completion of ash pond closure activities. A request for a minor permit modification was approved by EPD in the second quarter of 2022, to allow for the episodic disposal of CCR. This modification allows Landfill No. 4 to remain operational for up to 2 years without receiving CCR.

- **Scherer:** CCR landfill to remain active as part of ongoing plant operations. The landfill will undergo closure when permitted capacity is reached or when CCR disposal is no longer needed.

- **Wansley:** Following the Commission's approval of the retirement of Plant Wansley Units 1 and 2, the Company will utilize the existing onsite landfill for storage of removed CCR from AP-1. The landfill will then be closed following placement of

CCR from AP-1. The Company expects to submit a permit modification to Georgia EPD for a landfill expansion and to advance engineering, design and permit modifications in 2022.

- **Yates:** The Gypsum landfill has been removed and is currently in PCC. A certification of removal report has been submitted to and acknowledged by the EPD. Additionally, the CCR landfill, R6, is currently being closed.

As part of its overall scope of the closure projects, Georgia Power will also permit two future onsite CCR landfills to support closures at the following facilities:

- **Arkwright:** Future CCR landfill will receive CCR from other onsite landfills. Permitting activities are ongoing.

- **Branch:** Future CCR landfill will receive CCR from the removal of onsite ash ponds. Permitting activities are ongoing. The letter of Site Acceptability for the new CCR landfill was received from the EPD in 2020.

III. BENEFICIAL USE

Georgia Power's ECS describes the Company's beneficial use efforts focused on the following categories: beneficial use of production ash; new research and technology associated with beneficial use; and beneficial use of stored ash at the Company's ash ponds and CCR landfills. Additional discussion is included below.

Beneficial Use of Production Ash

Georgia Power currently markets more than 85 percent of the CCR generated from plant operations for beneficial use, which helps to minimize or offset costs related to CCR storage, landfill construction, and associated operation and maintenance costs.

Research and Technology

The Company, in partnership with Electric Power Research Institute and other utilities across the industry, has developed a center for beneficial use of harvested CCR, located at Plant Bowen. The Ash Beneficial Use Center ("ABUC") will strive to develop additional beneficial uses and better technologies to process harvested ash for beneficial use.

The Center aims to develop new technologies or processes that drive downward cost pressure associated with beneficial use and expand current and potential markets. This downward cost pressure would create an adjustable mechanism to obtain market equilibrium such that beneficial use from operating power plants is preserved. In addition, technology developments or enhancements to beneficially use CCR could ultimately allow Georgia Power to reduce the amount of CCR that is stored in landfills or reclaim CCR already stored in landfills and ash ponds. This may result in reduced capital and operation and maintenance costs for CCR management. The strategy associated with introducing additional beneficiated ash into the market, as well as limiting the quantity of CCR in landfills, benefits both current and future customers.

ABUC has been utilized for several research opportunities (as further detailed in the 2022 ECS). One such project, funded by the U.S. Department of Defense, focused on extracting rare earth elements from coal ash. This project demonstrated the potential for Georgia Power coal ash to be used as feedstock for the production of critical materials that are essential for national defense and for renewable energy production.

A project currently under development involves the processing and characterization of different harvested ashes from multiple ponds. This project will provide baseline information about the performance and energy requirements of the Center's components as well as providing a comparison of the relative beneficiation potential of the different ashes.

Beneficial Use of Stored Ash at the Facility Level

Georgia Power is seeking to identify opportunities to maximize the value for the beneficial use of stored coal ash at its active and retired plants across the state. The costs of and benefits from beneficial use of stored coal ash at these sites will be applied to the CCR ARO liability. Relevant updates are included below.

Plant Mitchell

The Company is continuing with plans to remove the stored coal ash at Plant Mitchell's three ash ponds for beneficial use. Over the next several years, up to approximately two million tons of ash are planned to be removed from the site to help create Portland cement, which is used to make concrete. These beneficial use plans will reduce the amount of ash required to be removed to an off-site landfill and ultimately serve to produce a valuable product. Through July 2022, approximately 222,350 tons of ash have been removed from the site for this purpose.

Progress thus far has been moderated by transportation logistics and the ability of end-users to receive and process the ash for beneficial use. Additional challenges include establishing long-term contracts with the end-users, disruptions from the COVID-19 pandemic, and interruptions in the supply chain and transportation sectors. The Company has continued its efforts to work with the onsite contractor to expand rail and truck transportation opportunities as well as to pursue additional end-users of the ash.

Plant Bowen

Through an extensive and ongoing RFP process that began in 2019, the Company recently awarded a contract to support beneficial use efforts as part of Plant Bowen's ash pond closure project. Infrastructure development to accommodate the ash beneficiation work at Plant Bowen has begun. Construction is anticipated to continue into 2024. Transportation of beneficiated ash from Plant Bowen for use in the ready-mix concrete market is expected to begin in 2024. Up to nine million tons of ash are anticipated to be harvested, processed, and removed from site over the duration of the project.

Ash Beneficial Use Request for Proposals

The aforementioned RFP, which was initiated in December 2019, was developed to support the beneficial use of stored coal ash at Georgia Power facilities. The

RFP generated numerous proposals for consideration. A third-party engineering consultant supported the Company in reviewing and evaluating which proposals offered the most value to customers. The Company's in-depth evaluation included, without limitation, the effects of the various beneficial use proposals on closure plans, project timelines, project costs, project sequencing, and project infrastructure requirements.

Based on information received through the RFP, for certain facilities (for instance Plant Bowen), there is an opportunity to incorporate ash beneficial use throughout the multi-year closure timeframe, with the potential to reduce long-term liability and return a net positive benefit for customers. Georgia Power continues to pursue these opportunities.

Possible future benefits associated with the beneficial use proposals include increased ash sales, reduced long-term liability, and reduced closure costs. Reduced costs could take the form of reduced ash volumes moved during closure, a reduced closure footprint, reduced CCR landfill space needed to support closure, and/or reduced post-closure care cost.

The Company will continue to collaborate and work with the Commission on providing timely updates and key insights throughout the process. As outlined in the 2022 IRP Final Order, the Company will provide a report to the Commission on the results of the beneficial use RFP upon completion of the RFP process.

IV. FINANCIAL SUMMARY – FACILITY LEVEL

During the fourth quarter of 2021, Georgia Power reviewed its estimates to close its CCR units in compliance with the Federal and Georgia CCR Rules at all of its active and retired generating plants. Cost estimates were refined and revised to reflect updates to the timing of future cash outlays and other project factors. The Company's CCR ARO liability was adjusted to reflect the outcomes from this update.

The Company provided an estimated cost update to the Commission during the 2022 IRP (Docket No. 44160) as the assessment of the Wansley closure by removal strategy was being evaluated. The forecasted spend included in Tables 6, 7, and 8 of this report is the best estimate Georgia Power has at this time for its long-term compliance program and is consistent with the April 2022 ECS update (Docket No. 44160). The forecasts in Tables 6, 7, and 8 include the Wansley closure by removal strategy approved in the 2022 IRP (Docket No. 44160).

The Company is currently reviewing all years in its CCR ARO forecast and expects to update its CCR ARO liability by year-end 2022. Items under review for the 2022 year-end forecast update include, but are not limited to, the incorporation of impacts from the recently executed beneficial use contract for the Bowen ash pond, updated project schedule assumptions, analysis of the impacts of market inflation on the program's price forecasts, analysis of the possible additional utilization of the Company's CCR landfill space for ash pond closure work, forecast updates based on the factors impacting near term cash flows described below, and other project factors.

As further discussed in Section V, the Company's long-term cost estimates are based on various assumptions related to closure and post-closure costs, timing of future cash outlays, inflation and discount rates, and the methods for complying with closure requirements. In addition to the 2022 year-end forecast update described above, Georgia Power will continue to update its cost estimates and ARO liabilities periodically as additional information related to these assumptions becomes available, including, but not limited to, regulatory and legislative changes, permitting requirements, design completion, construction bids and progress, contract finalization, post-closure requirements, and/or other factors.

As it relates to the timing of near-term cash flows, the Company has experienced and/or expects variability to its current near term forecast primarily due the following factors:

- In line with strict compliance deadlines mandated by federal and state CCR rules, the Company must continue work on ash pond closures while permitting discussions between Georgia EPD and EPA are ongoing. Consistent with past

practice, the Company plans and sequences work strategically to ensure closure progress continues as required "in the shortest amount of time consistent with recognized and generally accepted good engineering practices" (40 C.F.R. 257.102(d)(1)(v)), while also adjusting the schedule for certain activities to mitigate risk where possible. These matters are described in the Company's 2022 ECS, testimony, and data request responses in Docket No. 44160.

- Updates to the cash flow pattern of unallocated project contingency, as the Company continues to analyze the degree of cost uncertainty, likelihood and impact of risk, and project schedule assumptions across the course of each individual project in the program.

- Forecast updates based on the progress at active sites such as weather, contractor activities, beneficial use market trends, and other similar factors, as well as updates to expected activities at sites in the pre-construction phase, based on ongoing design, contracting, and permitting activities.

The year-to-date 2022 actual variance is described in more detail in Table 9 below. Changes resulting from the 2022 year-to-date variance will be incorporated into the Company's year-end 2022 forecast update described above.

Finally, Table 10 below provides the forecasted contingency dollars for years 2022 through 2025, which are excluded from the annual recovery request in the 2022 Base Rate Case filing (Docket No. 44280). In summary, on June 24, 2022, Georgia Power filed its 2022 Base Rate Case with the Commission in Docket Number 44280. The filing includes a three-year alternative rate plan with requested rate increases covering the years 2023 through 2025. This filing includes Environmental Compliance Cost Recovery ("ECCR") tariff revenue requirements related to CCR ARO compliance costs. The contingency amounts from the projected CCR ARO compliance costs are excluded from the proposed annual recovery in base rates until the costs are actually incurred.

Table 6. Current Cost Estimates for CCR ARO Ash Pond Closure Projects

Ash Ponds

($ in Millions)

Facility	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
Bowen	$ 148.8	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
Branch	$ 102.3	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
Hammond	$ 95.0	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
Kraft	$ 8.4	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
McDonough	$ 123.7	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
McIntosh	$ 19.4	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
McManus	$ 104.8	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
Mitchell	$ 78.3	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
Scherer	$ 11.4	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
Wansley	$ 22.0	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
Yates	$ 235.7	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED
Ash Pond Subtotal	$ 949.9	$ 205.3	$ 284.1	$ 349.1	$ 413.4	$ 1,380.3	$ 3,533.3	$ 7,115.3
*Escalation included in Forecast above****	*N/A*	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	REDACTED	*$ 1,517.7*

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022.*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year-end.*

****Forecasted escalation is applied based on ARO accounting standards under ASC 410.*

Note: Details may not add to totals due to rounding.

Table 7. Current Cost Estimates for CCR ARO Landfill Projects

Landfills ($ in Millions)

Facility	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
Arkwright	**$35.2**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**
Bowen	**($0.0)**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**
Branch	**$0.0**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**
Hammond	**$2.8**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**
Kraft	**$14.8**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**
McIntosh	**$10.5**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**
Scherer	**$0.0**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**
Wansley	**$0.0**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**
Yates	**$34.1**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**
Landfill Subtotal	**$97.5**	**$20.6**	**$36.3**	**$59.0**	**$96.9**	**$263.1**	**$1,202.0**	**$1,775.5**
*Escalation included in Forecast above****	*N/A*	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	*$748.9*

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022.*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year-end.*

****Forecasted escalation is applied based on ARO accounting standards under ASC 410.*

Note: Details may not add to totals due to rounding.

Table 8. Current Cost Estimates for CCR ARO Ash Pond Closure and Landfill Projects

($ in Millions)

Category	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
Ash Pond Subtotal	**$949.9**	**$205.3**	**$284.1**	**$349.1**	**$413.4**	**$1,380.3**	**$3,533.3**	**$7,115.3**
Landfill Subtotal	**$97.5**	**$20.6**	**$36.3**	**$59.0**	**$96.9**	**$263.1**	**$1,202.0**	**$1,775.5**
Total	**$1,047.4**	**$226.0**	**$320.4**	**$408.2**	**$510.2**	**$1,643.5**	**$4,735.3**	**$8,890.8**
*Escalation included in Forecast above****	*N/A*	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	*$2,266.6*

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022.*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year-end.*

****Forecasted escalation is applied based on ARO accounting standards under ASC 410.*

Note: Details may not add to totals due to rounding.

Table 9. 2022 Year-to-Date Actual versus Budget Comparison

($ in Millions)

	January - July 2022 Actuals	January - July 2022 Budget*	January - July 2022 Variance
Arkwright	$ 5.7	**REDACTED**	**REDACTED**
Bowen	$ 14.5	**REDACTED**	**REDACTED**
Branch	$ 14.3	**REDACTED**	**REDACTED**
Hammond	$ 13.0	**REDACTED**	**REDACTED**
Kraft	$ 0.6	**REDACTED**	**REDACTED**
McDonough	$ 12.1	**REDACTED**	**REDACTED**
McIntosh	$ 4.9	**REDACTED**	**REDACTED**
McManus	$ 1.5	**REDACTED**	**REDACTED**
Mitchell	$ 13.4	**REDACTED**	**REDACTED**
Scherer	$ 2.9	**REDACTED**	**REDACTED**
Wansley	$ 3.2	**REDACTED**	**REDACTED**
Yates	$ 17.1	**REDACTED**	**REDACTED**
Total	**$ 103.2**	**$ 180.7**	**$ (77.6)**

Retail Cost Estimates
**Budget associated with the 2022 compliance filing submitted to the PSC in Docket No. 42516 on October 1, 2021.*
Note: Details may not add to totals due to rounding.

2022 Year-to-Date Actual versus Budget Summary

Table 9 summarizes 2022 year-to-date actual costs for CCR ARO activities at all sites compared to the budget associated with the 2022 compliance filing for the same time period. The variance to the forecast for the portfolio is primarily driven by the following:

- **Hammond**: The Hammond Phase 1 (AP-1, AP-2) prime contractor ash movement is underway. While initial productivity was slower than originally planned, which resulted in lower near-term cash flows, production rates have increased and the site closure activities are proceeding. Additionally, the evaluation of landfill disposal options for Hammond Phase 2 (AP-4) will result in projected costs shifting to later years.

- **Yates**: As Yates is nearing completion of ash pond closure construction, cost reductions will be realized in the site's remaining forecast. A portion of site restoration work will likely shift into 2023, which will reduce the level of spend expected in 2022. Additionally, a reduction of risk-associated dollars will be incorporated into the forecast as closure activities near completion.

- **Bowen:** Bowen AP-1 ash movement and dewatering is underway but proceeding slower than planned due to water management challenges (which have since been mitigated), along with weather impacts at the site. The results from recent competitive contracting activities for the investment in ash processing infrastructure (to take advantage of opportunities associated with the Company's beneficial use scope) will be incorporated into the project's forecast along with lowered near-term cash flows for the site.

- **Wansley:** Based on unique opportunities arising from the (since approved) proposal to retire Wansley Units 1 and 2 in the 2022 IRP (Docket No. 44160), the Company increased its CCR ARO front-end planning assumptions for the site in order to evaluate the benefits of a strategy change for Wansley AP-1 from closure in place to closure by removal. The adjustment to the Wansley ash pond closure strategy was approved by the Commission in the 2022 IRP (Docket No. 44160). This change will result in lower near-term cash flows for the site as the Company works to develop detailed design and implement the closure by removal strategy.

- **Branch:** An update in project schedule assumptions associated with early site work, certain water management activities, certain landfill monitoring wells, and ongoing permitting activities has resulted in lower 2022 cash flows. Expected landfill mobilization has shifted out but is being offset by early material procurement for landfill construction and site maintenance activities.

Table 10. 2022 Through 2025 Contingency Forecast

($ in Millions)

Year	Forecast	Contingency Forecast *	Forecast (without contingency)
2022	$ 329.1	**REDACTED**	**REDACTED**
2023	$ 320.4	**REDACTED**	**REDACTED**
2024	$ 408.2	**REDACTED**	**REDACTED**
2025	$ 510.2	**REDACTED**	**REDACTED**

Retail Cost Estimates

** Contingency forecast excluded for the annual recovery in the 2022 Rate Case filing in Docket No. 44280*

V. FINANCIAL AND SCHEDULE SUMMARY – CCR UNIT LEVEL

The Company maintains cost and schedule information for each of its CCR units. Site-specific cost and schedule information for each of its CCR units is detailed further below.

The Company, with input from third-party experts, has developed forecasts for these long-term projects, some of which span more than 60 years, based on a combination of factors including, but not limited to, regulatory considerations, engineering studies, detailed closure design, constructability reviews, construction progress, water treatment considerations, operational needs, and post-closure requirements for the sites.

The Company is actively managing these long-term projects and will continue to make updates to reflect upward and downward pressures on cost and schedules for each project. There are several activities or factors in the near term that could impact costs and schedule, which will be closely monitored as the portfolio of projects mature. These include, but are not limited to, the following: the completion of detailed design for all sites, active construction progress, contractor performance, completion of competitive bids and contracting for pending projects, approval and implementation of remaining dewatering plans, the potential to take advantage of beneficial use opportunities during closure, actions pertaining to ongoing ACMs, and additional environmental regulatory actions and requirements. Similarly, there are factors that could impact the projects in the long-term as construction activities are completed and sites enter post-closure. These factors include the development of future beneficial use opportunities as the ash market matures, refinement of labor assumptions, optimization of groundwater monitoring networks, advancement of water treatment technologies, refinement of long-term maintenance assumptions for grass and engineered turf, and realization of the overall impact of emerging technologies on the program.

As design, engineering, and contracting activities advance, sites will continue to update cost estimates and cash flow projections. Estimating and forecasting activities, as well as contracting activities for future work, are expected to be performed throughout the execution of the program.

As discussed previously in this report, the cost and schedule information presented in Section V is consistent with the April 2022 ECS update in Docket No. 44160. The Company has experienced variations to its cost and schedule forecasts and is currently analyzing the impacts of various factors across all years of the program. The Company will be incorporating changes into a year-end 2022 update. The results of the year-end 2022 update will be included in a future CCR ARO Semi-Annual Program Status Report to the Commission.

Financial Summary- CCR Unit Level

The cost summaries include project-to-date actuals through July 31, 2022, and current estimated cost forecasts for each site, including each ash pond and CCR landfill ("LF"). Additionally, costs by activity are grouped into the categories listed below.

- **Previous Closure Costs**: Actual costs incurred prior to January 1, 2014.
- **Program Management**: Compliance activities including, but not limited to, permitting, groundwater monitoring, corrective action, and program oversight, as well as management reserve which is cash flowed in years 2026 and beyond.
- **Front-End Planning**: Activities including design to 90-percent, third-party constructability reviews, and other technical and engineering costs.
- **Detailed Engineering Costs**: Activities associated with the detailed engineering design and engineering support during construction.
- **Construction**: Construction activities for the CCR unit-specific closure plans. Construction activities include, but are not limited to, procurement, water treatment, site preparation, transportation improvements, site maintenance, beneficial use costs and credits during closure, stability and performance monitoring, ash excavation, ash transport, ash consolidation and placement, installation of a cover system, installation of engineering controls, site restoration, and landfill development to support ash pond closures. Construction activities also include construction indirect costs such as temporary facilities, project and construction management, quality assurance, quality control, and temporary facilities.
- **Post-Closure Costs**: The time period after principal construction during which requirements to conduct monitoring, manage water, and conduct maintenance exist. This category represents both the actual and/or estimated IPCC and PCC costs for the site. This category encompasses both post-closure for a closure in place project and post-construction (or post-removal) for a closure by removal project.

Table 11. Arkwright Current Estimated Cost by Ash Pond / Landfill

($ in Millions)

Ash Pond / Landfill	Closure Method	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
Arkwright AP-1,2,3,Landfill	Closure by removal and consolidation to permitted landfill	$ 35.2				REDACTED			
Total		$ 35.2							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Table 12. Arkwright Current Estimated Cost by Executive Cost Code

($ in Millions)

	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
Previous Closure Cost								
Program Management								
Front End Planning								
Detailed Engineering Costs				REDACTED				
Construction								
Post Closure Costs								
Total	$ 35.2							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Notes:

2022 year-to-date actuals through July of $5.7 million consist primarily of groundwater monitoring, program oversight, third-party permitting support, front-end planning design and engineering, water management (transportation & disposal), and routine maintenance. Activities expected during the remainder of 2022 include detailed engineering, permitting, continued water management, groundwater monitoring, front-end planning, and program oversight.

Table 13. Bowen Current Estimated Cost by Ash Pond / Landfill

($ in Millions)

Ash Pond / Landfill	Closure Method	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
AP-1	Advanced closure in place with liner	$ 148.8							
Bowen CCR Landfill	Active landfill / closure in place	$ -				REDACTED			
Total		$ 148.8							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Table 14. Bowen Current Estimated Cost by Executive Cost Code

($ in Millions)

	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
Previous Closure Cost								
Program Management								
Front End Planning								
Detailed Engineering Costs				REDACTED				
Construction								
Post Closure Costs								
Total	$ 148.8							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Notes:

2022 year-to-date actuals through July of $14.5 million consist primarily of ash excavation and stacking, construction management, dewatering water treatment, equipment costs, program oversight and management, and groundwater monitoring. Activities expected during the remainder of 2022 include continued ash excavation and stacking, foundation improvements, construction management, continued dewatering water treatment operations, continued groundwater monitoring, procurement of landfill liner material, and program oversight, as well as the investment in ash processing infrastructure to take advantage of opportunities associated with the Company's Beneficial Use RFP that will add value to the ash pond closure project.

Table 15. Branch Current Estimated Cost by Ash Pond / Landfill

($ in Millions)

Ash Pond / Landfill	Closure Method	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
AP-A	Closure by removal to permitted landfill	$ 1.3							
AP-B	Closure by removal to permitted landfill	$ 13.1							
AP-C	Closure by removal to permitted landfill	$ 11.1							
AP-D	Closure by removal to permitted landfill	$ 7.5				REDACTED			
AP-E	Closure by removal to permitted landfill	$ 69.3							
Landfill	Closure in place	$ -							
Total		$ 102.3							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Table 16. Branch Current Estimated Cost by Executive Cost Code

($ in Millions)

	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
Previous Closure Cost								
Program Management								
Front End Planning								
Detailed Engineering Costs				REDACTED				
Construction								
Post Closure Costs								
Total	$ 102.3							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Notes:

2022 year-to-date actuals through July of $14.3 million consist primarily of water management activities, dewatering water treatment, detailed engineering design, routine site maintenance, construction management, groundwater compliance, groundwater well installations, and program oversight. Activities expected during the remainder of 2022 include continued water management activities, early site work, continued detailed design for the ash ponds and landfill closure, groundwater compliance, groundwater well installations, procurement of landfill liner material, procurement of leachate piping, construction management, and program oversight.

Table 17. Hammond Current Estimated Cost by Ash Pond / Landfill

($ in Millions)

Ash Pond / Landfill	Closure Method	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
AP-1	Closure by removal to permitted landfill	$ 14.9							
AP-2	Closure by removal to permitted landfill	$ 29.4							
AP-3	Advanced closure in place	$ 26.0				REDACTED			
AP-4	Closure by removal to permitted landfill	$ 24.7							
Huffaker Road CCB Facility	Closure in place	$ 2.8							
Total		$ 97.8							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Table 18. Hammond Current Estimated Cost by Executive Cost Code

($ in Millions)

	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
Previous Closure Cost								
Program Management								
Front End Planning								
Detailed Engineering Costs				REDACTED				
Construction								
Post Closure Costs								
Total	$ 97.8							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Notes:

2022 year-to-date actuals through July of $13.0 million consist primarily of ash excavation and dewatering activities, construction management, groundwater monitoring, detailed engineering design, program oversight for AP-1 and AP-2; IPCC costs for AP-3; and permitting/design for AP-4. Activities expected during the remainder of 2022 include continued ash excavation and dewatering activities, continued groundwater monitoring, construction management, detailed engineering design, and program oversight.

Table 19. Kraft Current Estimated Cost by Ash Pond / Landfill

($ in Millions)

Ash Pond / Landfill	Closure Method	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
AP-1	Closure by removal to permitted landfill	$ 8.4							
Grumman Road Landfill	Closure in place	$ 14.8				REDACTED			
Total		$ 23.3							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Table 20. Kraft Current Estimated Cost by Executive Cost Code

($ in Millions)

	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
Previous Closure Cost								
Program Management								
Front End Planning								
Detailed Engineering Costs					REDACTED			
Construction								
Post Closure Costs								
Total	$ 23.3							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Notes:

2022 year-to-date actuals through July of $0.6 million consist primarily of program oversight, ongoing IPCC monitoring, and maintenance costs for Kraft Grumman Road Landfill. Activities expected during the remainder of 2022 include program oversight, the continuation of IPCC monitoring, and maintenance.

Table 21. McDonough Current Estimated Cost by Ash Pond / Landfill

($ in Millions)

Ash Pond / Landfill	Closure Method	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
AP-1	Advanced closure in place	$ 27.7							
AP-2	Closure by removal	$ 16.6							
AP-3	Advanced closure in place	$ 36.2				REDACTED			
AP-4	Advanced closure in place	$ 43.2							
Total		$ 123.7							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Table 22. McDonough Current Estimated Cost by Executive Cost Code

($ in Millions)

	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
Previous Closure Cost								
Program Management								
Front End Planning								
Detailed Engineering Costs				REDACTED				
Construction								
Post Closure Costs								
Total	$ 123.7							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Notes:

2022 year-to-date actuals through July of $12.1 million consist primarily of continued prime contractor work for: ash excavation, engineered turf installation, site restoration, stormwater diversion work, dewatering water treatment operations, AP-1 barrier wall design services and civil scopes of work, AP-3/4 continued use of the AEM wells, construction management, and program oversight. Activities expected during the remainder of 2022 include site restoration activities, continued engineered turf installation, grouting, groundwater monitoring, continued dewatering and water treatment operations, construction management, program oversight, and initiation of IPCC monitoring costs for AP-2/3/4.

Table 23. McIntosh Current Estimated Cost by Ash Pond / Landfill

($ in Millions)

Ash Pond / Landfill	Closure Method	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
AP-1	Closure by removal to permitted landfill	$ 19.4							
Landfill 3	Closure in place	$ 2.3				REDACTED			
Landfill 4	Closure in place	$ 8.3							
Total		$ 29.9							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Table 24. McIntosh Current Estimated Cost by Executive Cost Code

Project to Date Actuals August through Decemt ($ in Millions)

	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
Previous Closure Cost								
Program Management								
Front End Planning								
Detailed Engineering Costs					REDACTED			
Construction								
Post Closure Costs								
Total	$ 29.9							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Notes:

2022 year-to-date actuals through July of $4.9 million consist primarily of backfilling and restoring AP-1 and installing cover on Landfill 4 Cell 2A, IPCC monitoring and maintenance costs associated with Landfill 4 Cell 1, PCC monitoring and maintenance of Landfill 3, and program oversight. Activities expected during the remainder of 2022 include ongoing IPCC/PCC costs associated with AP-1 and Landfill 4 Cell 1, ongoing PCC monitoring and maintenance of Landfill 3, and final closure activities related to Landfill 4 Cell 2A.

Table 25. McManus Current Estimated Cost by Ash Pond / Landfill

($ in Millions)

Ash Pond / Landfill	Closure Method	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
AP-1	Closure by removal to permitted landfill	$ 104.8				REDACTED			
Total		$ 104.8							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Table 26. McManus Current Estimated Cost by Executive Cost Code

($ in Millions)

	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
Previous Closure Cost								
Program Management								
Front End Planning					REDACTED			
Detailed Engineering Costs								
Construction								
Post Closure Costs								
Total	$ 104.8							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Notes:

2022 year-to-date actuals through July of $1.5 million consist primarily of PCC monitoring, program oversight, and maintenance costs. Activities expected during the remainder of 2022 include continued PCC monitoring, program oversight, and maintenance.

Table 27. Mitchell Current Estimated Cost by Ash Pond / Landfill

($ in Millions)

Ash Pond / Landfill	Closure Method	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
AP-A	Closure by removal to permitted landfill and beneficial reuse	$ 1.6							
AP-1	Closure by removal to permitted landfill and beneficial reuse	$ 34.8				REDACTED			
AP-2	Closure by removal to permitted landfill and beneficial reuse	$ 41.9							
Total		$ 78.3							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Table 28. Mitchell Current Estimated Cost by Executive Cost Code

	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
Previous Closure Cost								
Program Management								
Front End Planning								
Detailed Engineering Costs				REDACTED				
Construction								
Post Closure Costs								
Total	$ 78.3							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Notes:

2022 year-to-date actuals through July of $13.4 million consist primarily of prime contractor work including excavation and transportation of ash for beneficial use, construction management, dust control, groundwater monitoring, dewatering water treatment, and program oversight. Activities expected during the remainder of 2022 include continued prime contractor work including excavation and transportation of ash for beneficial use, foundation improvements, construction management, groundwater monitoring and program oversight.

Table 29. Scherer Current Estimated Cost by Ash Pond / Landfill

($ in Millions)

Ash Pond / Landfill	Closure Method	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
AP-1	Advanced closure in place	$ 11.4							
Landfill	Active landfill / closure in place	$ -				REDACTED			
Total		$ 11.4							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Table 30. Scherer Current Estimated Cost by Executive Cost Code

($ in Millions)

	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
Previous Closure Cost								
Program Management								
Front End Planning								
Detailed Engineering Costs				REDACTED				
Construction								
Post Closure Costs								
Total	$ 11.4							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

**The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end

Notes:

2022 year-to-date actuals through July of $2.9 million consist primarily of early site work activities (such as clearing for general access, site access roadway development, preparing the construction laydown area, and installing a 12kV power distribution loop), mobilizing and installing water treatment equipment, groundwater monitoring, construction management, and program oversight. Activities expected during the remainder of 2022 include continued early sitework, water treatment construction, continued groundwater monitoring, construction management, and program oversight.

Table 31. Wansley Current Estimated Cost by Ash Pond / Landfill

($ in Millions)

Ash Pond / Landfill	Closure Method	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
AP-1	Closure by removal to permitted landfill	$ 22.0							
Landfill	Closure in place	$ -				REDACTED			
Total		$ 22.0							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Table 32. Wansley Current Estimated Cost by Executive Cost Code

($ in Millions)

	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
Previous Closure Cost								
Program Management								
Front End Planning***								
Detailed Engineering Costs					REDACTED			
Construction								
Post Closure Costs								
Total	$ 22.0							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

****The negative amount for front end planning for the remainder of 2022 will be adjusted in the program's year end forecast update as the categorization for front end planning costs associated with the closure by removal strategy presented in the 2022 IRP in Docket 44160 is updated*

Notes:

2022 year-to-date actuals through July of $3.2 million consist primarily of front-end planning, early site work activities, water treatment stand-by operations, groundwater monitoring, construction management, permitting, and program oversight. Activities expected during the remainder of 2022 include water treatment cost, continuing geotechnical activities to support closure design and evaluations, groundwater monitoring, construction management, and program oversight.

Table 33. Yates Current Estimated Cost by Ash Pond / Landfill

($ in Millions)

Ash Pond / Landfill	Closure Method	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
AP-1	Closure by removal	$ 16.8							
AP-2	Closure by removal	$ 104.4							
AP-3	Advanced closure in place	$ 72.7							
AP-A	Closure by removal	$ 17.2							
AP-B	Closure by removal	$ 14.7				REDACTED			
AP-B'	Advanced closure in place	$ 10.0							
Gypsum Landfill	Inactive landfill / closure by removal to permitted landfill and beneficial reuse	$ 4.3							
R6 Landfill	Inactive landfill / closure in place	$ 29.8							
		$ 269.8							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Table 34. Yates Current Estimated Cost by Executive Cost Code

	Project to Date Actuals Through July 2022*	August through December 2022 Forecast**	2023 Forecast	2024 Forecast	2025 Forecast	2026-2028 Forecast	2029-2075 Forecast	Total
Previous Closure Cost								
Program Management								
Front End Planning								
Detailed Engineering Costs				REDACTED				
Construction								
Post Closure Costs								
Total	$ 269.8							

Retail Cost Estimates

**Project-to-Date Actuals represent costs incurred from January 1, 2003 through July 31, 2022*

***The annual 2022 cost forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year end*

Notes:

2022 year-to-date actuals through July of $17.1 million consist primarily of ash excavation, hauling and placement, installation of backfill material, installation of engineered turf in the Ash Management Area, dewatering water treatment, Dyer Road roadway work, completion of a new earthen dam and spillway, groundwater monitoring, construction management, program oversight, and IPCC/PCC monitoring and maintenance for AP-1 and the Gypsum Landfill. Activities expected during the remainder of 2022 include ash excavation, hauling and placement, engineered turf installation in the Ash Management Area, site restoration, and completion of Dyer Road roadway work. Continued IPCC/PCC monitoring and maintenance for AP-1 and the Gypsum Landfill, construction management, and program oversight are also expected during 2022.

Schedule Summary- CCR Unit Level

The following Gannt charts include schedule summaries for each site, with activities for each ash pond and CCR landfill grouped into the categories listed below:

- **Ash Ponds:**
    - **Name of the Unit**: Includes the overall duration of closure activities for the specified CCR Unit(s).
    - **Site Regulatory**: For scheduling purposes, assumed to begin with the effective date of the Federal CCR Rule. Includes permitting activities (issuances, submittals, etc.), permit renewals, dewatering plan development, approvals, and other related compliance activities, and other required CCR or NPDES compliance activities.
    - **Front-End Planning/Engineering/Procurement**: Project planning and construction preparations including engineering design, third-party constructability reviews, contracting milestones for dewatering, quality assurance, and construction contracts, and other technical and engineering activities.
    - **Construction/Water Management**: Construction and water management related activities for the CCR unit-specific closure plans. These construction activities may or may not include prime contractor mobilization milestones, closure phasing milestones per the unit-specific closure plan, restoration milestones/activities for the site/unit, water management activities/milestones, dewatering water treatment-related activities/milestone, and/or additional engineering- or construction-related activities.
    - **Interim Post-Closure Care (IPCC)**: Includes activities that extend beyond CCR removal (for closure by removal units) and/or closure construction (for closure in place units), including groundwater monitoring, water management, general site maintenance, and other compliance activities in the interim of PCC.
    - **Post-Closure Care (PCC):** Includes activities that extend beyond closure or closure construction, including groundwater monitoring, water management, general site maintenance, and other compliance activities following IPCC. This category encompasses both post-closure for a closure in place project and post-closure construction for a closure by removal project.

- **CCR Landfills:**
    - **Name of the Unit and Landfill Cell:** Includes the overall duration of activities for the specified CCR Unit(s).
    - **Active Landfill:** Includes timeframe the landfill cell was or was projected to be active and receiving CCR. This notation is used for CCR landfills receiving CCR for the closure of other onsite CCR closure projects or for operational generating units ongoing storage of CCR.
    - **Cell Closure/Capping/Closure Construction/Water Management:** Includes closure construction milestones, water management activities, and compliance activities related to the final closure.
    - **Interim Post-Closure Care (IPCC)**: Includes activities that extend beyond closure construction, including groundwater monitoring, water management, general site maintenance, and other compliance activities in the interim of PCC.
    - **Post-Closure Care (PCC):** Includes activities that extend beyond closure or closure construction, including groundwater monitoring, water management, general site maintenance, and other compliance activities following IPCC. This category encompasses both post-closure for a closure in place project and post-removal for a closure by removal project.

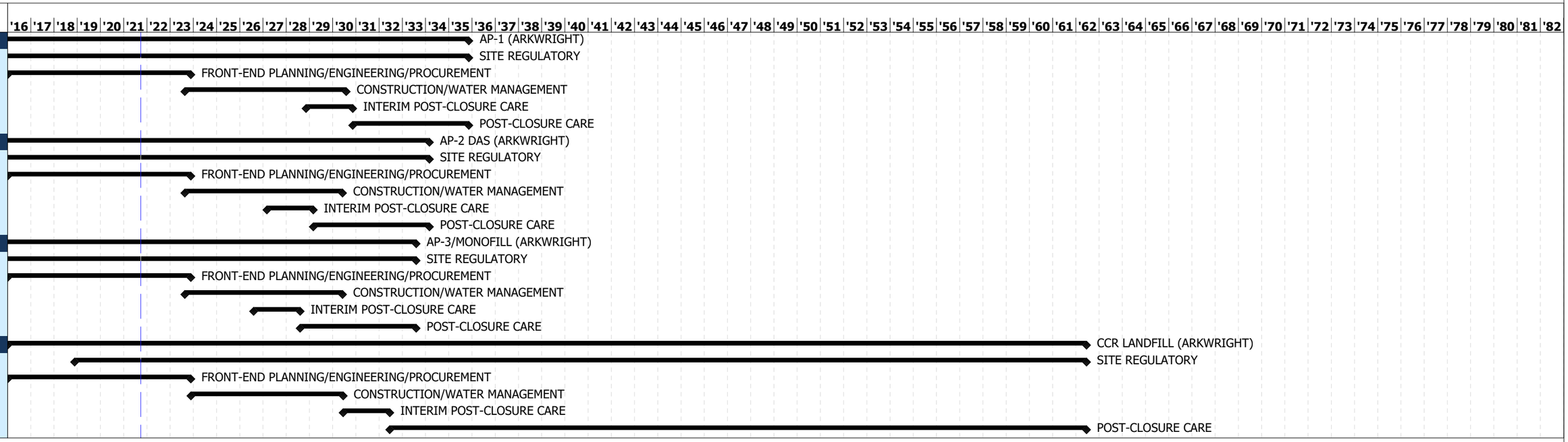
Georgia Power

Ash Pond Closure Portfolio

Gantt Chart by Plant

PUBLIC DISCLOSURE

Start	Finish	
19 Oct '15	12 Nov '35	AP-1 (ARKWRIGHT)
19 Oct '15	12 Nov '35	SITE REGULATORY
01 Jan '16	22 Nov '23	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
21 Aug '23	31 Jul '30	CONSTRUCTION/WATER MANAGEMENT
08 Nov '28	11 Nov '30	INTERIM POST-CLOSURE CARE
11 Nov '30	12 Nov '35	POST-CLOSURE CARE
19 Oct '15	02 Mar '34	AP-2 DAS (ARKWRIGHT)
19 Oct '15	02 Mar '34	SITE REGULATORY
01 Jan '16	22 Nov '23	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
21 Aug '23	04 Jun '30	CONSTRUCTION/WATER MANAGEMENT
04 Mar '27	02 Mar '29	INTERIM POST-CLOSURE CARE
02 Mar '29	02 Mar '34	POST-CLOSURE CARE
19 Oct '15	05 Aug '33	AP-3/MONOFILL (ARKWRIGHT)
19 Oct '15	05 Aug '33	SITE REGULATORY
01 Jan '16	22 Nov '23	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
21 Aug '23	04 Jun '30	CONSTRUCTION/WATER MANAGEMENT
06 Aug '26	07 Aug '28	INTERIM POST-CLOSURE CARE
07 Aug '28	05 Aug '33	POST-CLOSURE CARE
01 Jan '16	16 Jun '62	CCR LANDFILL (ARKWRIGHT)
20 Nov '18	16 Jun '62	SITE REGULATORY
01 Jan '16	22 Nov '23	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
23 Nov '23	14 Jun '30	CONSTRUCTION/WATER MANAGEMENT
14 Jun '30	16 Jun '32	INTERIM POST-CLOSURE CARE
16 Jun '32	16 Jun '62	POST-CLOSURE CARE



Note: This schedule forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year-end.

Georgia Power

Ash Pond Closure Portfolio

Gantt Chart by Plant

PUBLIC DISCLOSURE

Start	Finish	
19 Oct '15	28 Feb '68	AP-1 (BOWEN)
19 Oct '15	28 Feb '68	SITE REGULATORY
17 Feb '22	17 Feb '22	CCR FINAL PERMIT EFFECTIVE
01 Jan '16	08 Dec '20	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
14 Dec '17	28 Feb '36	CONSTRUCTION/WATER MANAGEMENT
28 Feb '36	26 Feb '38	INTERIM POST-CLOSURE CARE
26 Feb '38	28 Feb '68	POST-CLOSURE CARE
12 May '08	31 Dec '75	LF CELLS 1&2 (BOWEN)
12 May '08	30 Dec '39	ACTIVE LANDFILL
02 Jan '40	31 Dec '41	CELL CLOSURE/CAPPING
01 Jan '42	31 Dec '45	INTERIM POST-CLOSURE CARE
01 Jan '46	31 Dec '75	POST-CLOSURE CARE
01 Jan '14	31 Dec '75	LF CELLS 3&4 (BOWEN)
01 Jan '14	31 Dec '41	ACTIVE LANDFILL
01 Jan '42	31 Dec '43	CELL CLOSURE/CAPPING
01 Jan '44	31 Dec '45	INTERIM POST-CLOSURE CARE
01 Jan '46	31 Dec '75	POST-CLOSURE CARE
18 Sep '20	31 Dec '75	LF CELLS 9&10 (BOWEN)
18 Sep '20	31 Dec '41	ACTIVE LANDFILL
01 Jan '42	31 Dec '43	CELL CLOSURE/CAPPING
01 Jan '44	31 Dec '45	INTERIM POST-CLOSURE CARE
01 Jan '46	31 Dec '75	POST-CLOSURE CARE

'16 '17 '18 '19 '20 '21 '22 '23 '24 '25 '26 '27 '28 '29 '30 '31 '32 '33 '34 '35 '36 '37 '38 '39 '40 '41 '42 '43 '44 '45 '46 '47 '48 '49 '50 '51 '52 '53 '54 '55 '56 '57 '58 '59 '60 '61 '62 '63 '64 '65 '66 '67 '68 '69 '70 '71 '72 '73 '74 '75 '76 '77 '78 '79 '80 '81 '82

Note: This schedule forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year-end.

Georgia Power

Ash Pond Closure Portfolio

Gantt Chart by Plant

PUBLIC DISCLOSURE

Start	Finish	
19 Oct '15	14 Oct '43	AP-B/AP-C/AP-D (BRANCH)
19 Oct '15	14 Oct '43	SITE REGULATORY
01 Jan '16	28 Jun '23	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
01 Mar '19	13 Oct '36	CONSTRUCTION/WATER MANAGEMENT
14 Oct '36	14 Oct '38	INTERIM POST-CLOSURE CARE
14 Oct '38	14 Oct '43	POST-CLOSURE CARE
19 Oct '15	10 Sep '43	AP-E (BRANCH)
19 Oct '15	10 Sep '43	SITE REGULATORY
01 Jan '16	28 Jun '23	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
01 Mar '19	07 Sep '36	CONSTRUCTION/WATER MANAGEMENT
10 Sep '36	10 Sep '38	INTERIM POST-CLOSURE CARE
10 Sep '38	10 Sep '43	POST-CLOSURE CARE
01 Jan '16	19 Aug '69	BRANCH LF
28 Feb '17	19 Aug '69	SITE REGULATORY
01 Jan '16	22 Jul '25	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
22 Aug '22	18 Aug '37	CONSTRUCTION/WATER MANAGEMENT
19 Aug '37	19 Aug '39	INTERIM POST-CLOSURE CARE
19 Aug '39	19 Aug '69	POST-CLOSURE CARE

'16 '17 '18 '19 '20 '21 '22 '23 '24 '25 '26 '27 '28 '29 '30 '31 '32 '33 '34 '35 '36 '37 '38 '39 '40 '41 '42 '43 '44 '45 '46 '47 '48 '49 '50 '51 '52 '53 '54 '55 '56 '57 '58 '59 '60 '61 '62 '63 '64 '65 '66 '67 '68 '69 '70 '71 '72 '73 '74 '75 '76 '77 '78 '79 '80 '81 '82

Note: This schedule forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year-end. These changes will include, but are not limited to, the start date for construction/water management activities moving out beyond August 2022 for the Branch landfill.

Georgia Power

Ash Pond Closure Portfolio

Gantt Chart by Plant

PUBLIC DISCLOSURE

Start	Finish	
19 Oct '15	03 Mar '32	AP-1 (HAMMOND)
19 Oct '15	03 Mar '32	SITE REGULATORY
22 Jun '20	22 Jun '20	CCR FINAL PERMIT EFFECTIVE
01 Jan '16	30 Jun '21	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
11 Jan '21	04 Mar '25	CONSTRUCTION/WATER MANAGEMENT
04 Mar '25	04 Mar '27	INTERIM POST-CLOSURE CARE
04 Mar '27	03 Mar '32	POST-CLOSURE CARE
19 Oct '15	30 Jan '31	AP-2 (HAMMOND)
19 Oct '15	30 Jan '31	SITE REGULATORY
22 Jun '20	22 Jun '20	CCR FINAL PERMIT EFFECTIVE
01 Jan '16	30 Jun '21	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
11 Jan '21	25 Jan '24	CONSTRUCTION/WATER MANAGEMENT
25 Jan '24	30 Jan '26	INTERIM POST-CLOSURE CARE
02 Feb '26	30 Jan '31	POST-CLOSURE CARE
19 Oct '15	03 Jan '52	AP-3 (HAMMOND)
19 Oct '15	03 Jan '52	SITE REGULATORY
12 Jul '21	12 Jul '21	CCR DRAFT PERMIT
01 Jan '16	25 May '16	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
26 May '16	28 Apr '22	CONSTRUCTION/WATER MANAGEMENT
13 Nov '18	31 Dec '21	INTERIM POST-CLOSURE CARE
03 Jan '22	03 Jan '52	POST-CLOSURE CARE
19 Oct '15	21 May '38	AP-4 (HAMMOND)
19 Oct '15	21 May '38	SITE REGULATORY
27 Jan '21	27 Jan '21	CCR FINAL PERMIT EFFECTIVE
19 Oct '15	19 Dec '25	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
11 Jan '21	21 May '31	CONSTRUCTION/WATER MANAGEMENT
21 May '31	20 May '33	INTERIM POST-CLOSURE CARE
20 May '33	21 May '38	POST-CLOSURE CARE
19 Oct '15	05 Nov '63	HUFFAKER (HAMMOND)
19 Oct '15	05 Nov '63	SITE REGULATORY
01 Jan '16	07 Dec '23	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
22 Dec '21	09 Nov '31	CONSTRUCTION/WATER MANAGEMENT
04 Nov '25	04 Nov '33	INTERIM POST-CLOSURE CARE
04 Nov '33	05 Nov '63	POST-CLOSURE CARE

'16 '17 '18 '19 '20 '21 '22 '23 '24 '25 '26 '27 '28 '29 '30 '31 '32 '33 '34 '35 '36 '37 '38 '39 '40 '41 '42 '43 '44 '45 '46 '47 '48 '49 '50 '51 '52 '53 '54 '55 '56 '57 '58 '59 '60 '61 '62 '63 '64 '65 '66 '67 '68 '69 '70 '71 '72 '73 '74 '75 '76 '77 '78 '79 '80 '81 '82

Note: This schedule forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year-end. These changes will include, but are not limited to, the extension of the end of construction/water management activities and updates to IPCC/PCC start and end dates for Hammond AP-3.

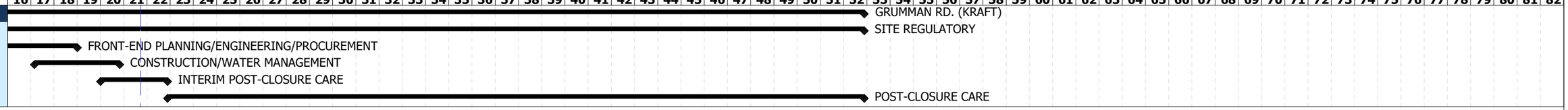
Georgia Power

Ash Pond Closure Portfolio

Gantt Chart by Plant

PUBLIC DISCLOSURE

Start	Finish	
19 Oct '15	20 Nov '52	GRUMMAN RD. (KRAFT)
19 Oct '15	20 Nov '52	SITE REGULATORY
05 Nov '15	04 Jan '19	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
27 Feb '17	30 Oct '20	CONSTRUCTION/WATER MANAGEMENT
03 Jan '20	21 Nov '22	INTERIM POST-CLOSURE CARE
21 Nov '22	20 Nov '52	POST-CLOSURE CARE



Note: This schedule forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year-end.

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Ash Pond Closure Portfolio

Gantt Chart by Plant

PUBLIC DISCLOSURE

Start	Finish	Gantt Chart by Plant
19 Oct '15	23 Feb '55	AP-1 (MCDONOUGH)
19 Oct '15	23 Feb '55	SITE REGULATORY
01 Jan '16	11 Nov '21	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
18 Jan '16	24 Feb '23	CONSTRUCTION/WATER MANAGEMENT
24 Feb '23	24 Feb '25	INTERIM POST-CLOSURE CARE
24 Feb '25	23 Feb '55	POST-CLOSURE CARE
19 Oct '15	17 Aug '54	AP-2/AP-3/AP-4 (MCDONOUGH)
19 Oct '15	17 Aug '54	SITE REGULATORY
01 Jan '16	12 Feb '16	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
19 Jan '16	15 Aug '22	CONSTRUCTION/WATER MANAGEMENT
15 Aug '22	14 Aug '24	INTERIM POST-CLOSURE CARE
14 Aug '24	15 Aug '29	POST-CLOSURE CARE - MCDONOUGH AP-2
14 Aug '24	17 Aug '54	POST-CLOSURE CARE - MCDONOUGH AP-3/AP-4

'16 '17 '18 '19 '20 '21 '22 '23 '24 '25 '26 '27 '28 '29 '30 '31 '32 '33 '34 '35 '36 '37 '38 '39 '40 '41 '42 '43 '44 '45 '46 '47 '48 '49 '50 '51 '52 '53 '54 '55 '56 '57 '58 '59 '60 '61 '62 '63 '64 '65 '66 '67 '68 '69 '70 '71 '72 '73 '74 '75 '76 '77 '78 '79 '80 '81 '82

Note: This schedule forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year-end.

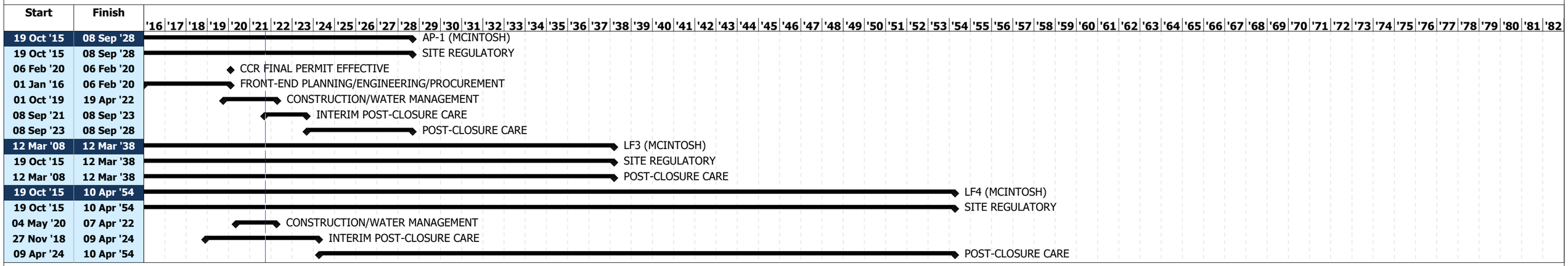
These changes will include, but are not limited to, updates to the end of construction/water management activities and IPCC/PCC start and end dates for McDonough AP-1 and AP-2/3/4.

Georgia Power

Ash Pond Closure Portfolio

Gantt Chart by Plant

PUBLIC DISCLOSURE



Note: This schedule forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year-end.

These changes will include, but are not limited to, updates to the end of construction/water management activities and IPCC/PCC start and end dates for McIntosh AP-1.

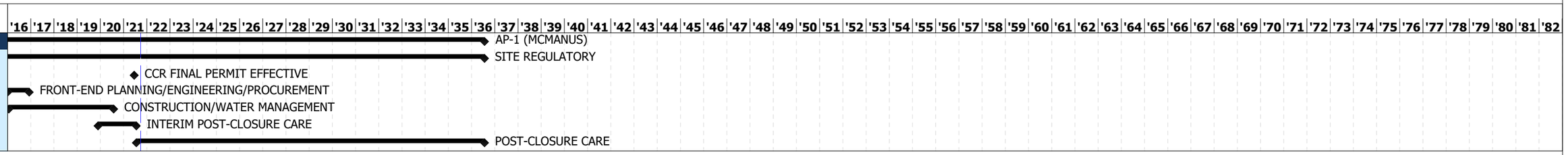
Georgia Power

Ash Pond Closure Portfolio

Gantt Chart by Plant

PUBLIC DISCLOSURE

Start	Finish	Gantt
19 Oct '15	21 Jul '36	AP-1 (MCMANUS)
19 Oct '15	21 Jul '36	SITE REGULATORY
18 Jun '21	18 Jun '21	CCR FINAL PERMIT EFFECTIVE
01 Jan '16	08 Dec '16	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
22 Jan '16	28 Jul '20	CONSTRUCTION/WATER MANAGEMENT
25 Nov '19	20 Jul '21	INTERIM POST-CLOSURE CARE
20 Jul '21	21 Jul '36	POST-CLOSURE CARE



Note: This schedule forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year-end.

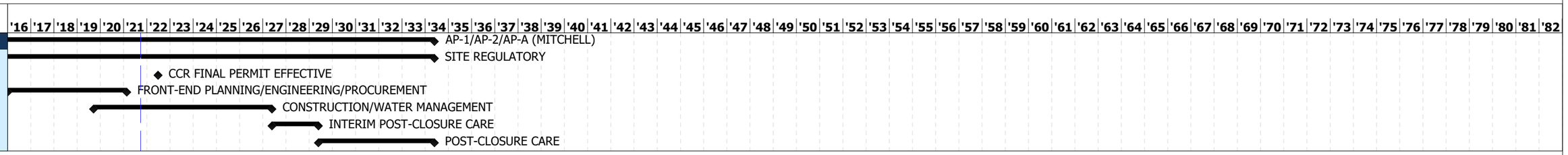
Georgia Power

Ash Pond Closure Portfolio

Gantt Chart by Plant

PUBLIC DISCLOSURE

Start	Finish	
19 Oct '15	26 May '34	AP-1/AP-2/AP-A (MITCHELL)
19 Oct '15	26 May '34	SITE REGULATORY
28 Jun '22	28 Jun '22	CCR FINAL PERMIT EFFECTIVE
01 Jan '16	19 Feb '21	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
17 Sep '19	24 May '27	CONSTRUCTION/WATER MANAGEMENT
25 May '27	25 May '29	INTERIM POST-CLOSURE CARE
25 May '29	25 May '34	POST-CLOSURE CARE



Note: This schedule forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year-end. These changes include, but are not limited to, inclusion of the CCR Final Permit Effective milestone.

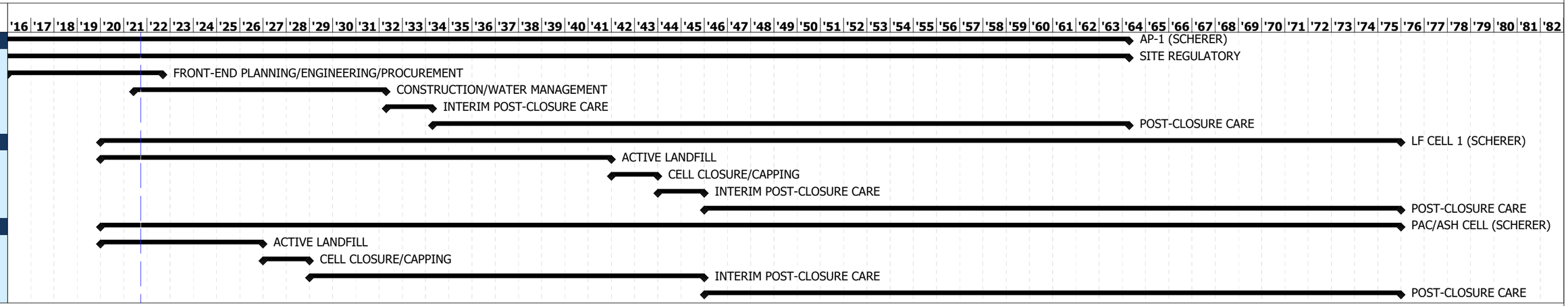
Georgia Power

Ash Pond Closure Portfolio

Gantt Chart by Plant

PUBLIC DISCLOSURE

Start	Finish	
19 Oct '15	18 Apr '64	AP-1 (SCHERER)
19 Oct '15	18 Apr '64	SITE REGULATORY
01 Jan '16	09 Sep '22	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
04 Jun '21	19 Apr '32	CONSTRUCTION/WATER MANAGEMENT
21 Apr '32	20 Apr '34	INTERIM POST-CLOSURE CARE
20 Apr '34	18 Apr '64	POST-CLOSURE CARE
02 Jan '20	31 Dec '75	LF CELL 1 (SCHERER)
02 Jan '20	31 Dec '41	ACTIVE LANDFILL
01 Jan '42	31 Dec '43	CELL CLOSURE/CAPPING
01 Jan '44	31 Dec '45	INTERIM POST-CLOSURE CARE
01 Jan '46	31 Dec '75	POST-CLOSURE CARE
02 Jan '20	31 Dec '75	PAC/ASH CELL (SCHERER)
02 Jan '20	31 Dec '26	ACTIVE LANDFILL
01 Jan '27	31 Dec '28	CELL CLOSURE/CAPPING
01 Jan '29	31 Dec '45	INTERIM POST-CLOSURE CARE
01 Jan '46	31 Dec '75	POST-CLOSURE CARE



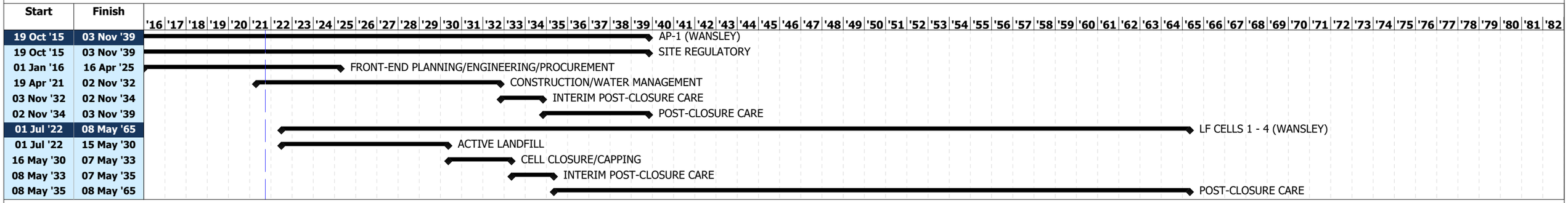
Note: This schedule forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year-end.

Georgia Power

Ash Pond Closure Portfolio

Gantt Chart by Plant

PUBLIC DISCLOSURE



Note: This schedule forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year-end.

Georgia Power

Ash Pond Closure Portfolio

Gantt Chart by Plant

PUBLIC DISCLOSURE

Start	Finish	
04 May '15	09 Mar '27	AP-1 (YATES)
19 Oct '15	09 Mar '27	SITE REGULATORY
06 Jan '22	06 Jan '22	CCR FINAL PERMIT EFFECTIVE
04 May '15	21 Jul '16	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
04 May '15	31 Dec '21	CONSTRUCTION/WATER MANAGEMENT
27 Nov '19	10 Mar '22	INTERIM POST-CLOSURE CARE
10 Mar '22	09 Mar '27	POST-CLOSURE CARE
19 Oct '15	01 Aug '29	AP-2 (YATES)
19 Oct '15	01 Aug '29	SITE REGULATORY
01 Jan '16	20 Nov '19	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
05 Sep '19	21 Oct '22	CONSTRUCTION/WATER MANAGEMENT
01 Aug '22	01 Aug '24	INTERIM POST-CLOSURE CARE
01 Aug '24	01 Aug '29	POST-CLOSURE CARE
19 Oct '15	23 Dec '54	AP-3/AP-B/AP-B'/AP-A (YATES)
19 Oct '15	23 Dec '54	SITE REGULATORY
01 Jan '16	30 Apr '18	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
19 Aug '16	23 Dec '22	CONSTRUCTION/WATER MANAGEMENT
23 Dec '22	23 Dec '24	INTERIM POST-CLOSURE CARE
23 Dec '24	23 Dec '54	POST-CLOSURE CARE
22 Jul '15	02 Feb '27	GYPSUM LF (YATES)
22 Jul '15	02 Feb '27	SITE REGULATORY
05 Jan '22	05 Jan '22	CCR FINAL PERMIT EFFECTIVE
19 Jan '17	02 Feb '22	INTERIM POST-CLOSURE CARE
03 Feb '22	02 Feb '27	POST-CLOSURE CARE
29 May '15	01 Jan '55	R-6/AP-C (YATES)
29 May '15	01 Jan '55	SITE REGULATORY
29 May '15	21 Jul '16	FRONT-END PLANNING/ENGINEERING/PROCUREMENT
29 May '15	29 Nov '22	CONSTRUCTION/WATER MANAGEMENT
30 Nov '22	31 Dec '24	INTERIM POST-CLOSURE CARE
01 Jan '25	01 Jan '55	POST-CLOSURE CARE

'16 '17 '18 '19 '20 '21 '22 '23 '24 '25 '26 '27 '28 '29 '30 '31 '32 '33 '34 '35 '36 '37 '38 '39 '40 '41 '42 '43 '44 '45 '46 '47 '48 '49 '50 '51 '52 '53 '54 '55 '56 '57 '58 '59 '60 '61 '62 '63 '64 '65 '66 '67 '68 '69 '70 '71 '72 '73 '74 '75 '76 '77 '78 '79 '80 '81 '82

Note: This schedule forecast is consistent with the April 2022 Environmental Compliance Strategy update in Docket No. 44160; the Company is currently reviewing all years in its CCR ARO estimates and expects updates by year-end.
These changes include,but are not limited to, updates to the end of construction/water management activities and IPCC/PCC start and end dates for Yates AP-1, AP-2, and the Gypsum LF.

VI. APPENDIX A

Abbreviations and Terminology

ABUC	**Ash Beneficial Use Center**
ACM	**Assessment of Corrective Measures**
AP	**Ash Pond**
ARO	**Asset Retirement Obligation**
ASC	**Accounting Standards Codification**
CCR	**Coal Combustion Residual**
EAC	**Estimate at Completion**
ECCR	**Environmental Compliance Cost Recovery**
ECS	**Environmental Compliance Strategy**
EPA	**Environmental Protection Agency**
EPD	**Environmental Protection Division**
GPC	**Georgia Power Company**
GWPS	**Groundwater Protection Standard**
IPCC	**Interim Post-Closure Care**
IRP	**Integrated Resource Plan**
LF	**Landfill**
PCC	**Post-Closure Care**
PSC	**Georgia Public Service Commission**
RFP	**Request for Proposal**