Bin 10230
241 Ralph McGill Boulevard NE
Atlanta, GA 30308-3374

PUBLIC DISCLOSURE

August 15, 2023

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

RE: Georgia Power Company's Bi-Annual Hydro Modernization Report; Docket No. 42310 & 44160

Dear Ms. Tanner:

In accordance with the Order Adopting Stipulation as Amended issued by the Georgia Public Service Commission (the "Commission") in the above styled docket, Georgia Power Company hereby files an original and fifteen (15) copies of its Bi-Annual Hydro Modernization Report for the period ending June 30, 2023.

This letter and the accompanying documents are submitted consistent with the Alternative Electronic Filing Procedures established by the Commission on March 17, 2020.

Please contact Ty Story at 404-506-2921 if you have any questions regarding this filing.

Sincerely,

/s/ Kelley Balkcom

Kelley Balkcom
Director, Regulatory Affairs
Georgia Power Company
mmcclosk@southernco.com

BEFORE THE GEORGIA PUBLIC SERVICE COMMISSION

GEORGIA POWER COMPANY
DOCKET NO. 42310 & 44160

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

In accordance with the Order Adopting Stipulation as Amended issued by the Georgia Public Service Commission ("Commission") in Docket No. 42310 and 44160, Georgia Power Company ("Georgia Power" or the "Company") is providing to the Commission a Bi-Annual Hydro Modernization Report for the period ending June 30, 2023. The report contains proprietary cost data (the "Information") which constitutes trade secret information of Georgia Power, the Southern Company, 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 Information contains confidential budgetary and schedule information related to projects at specific hydro generation facilities. Public dissemination of the Information would allow Georgia Power's potential suppliers and contractors access to such estimated costs and timelines, thereby bestowing insight into the Company's budgeted cost and timing of such expenditures. Such access would grant an unfair advantage to contractors and suppliers of the Company, who could use such information to artificially set bid and proposal prices during contract negotiations. This could lead to the Company having to pay a price higher than that which it would have paid on a level playing field.

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 are granted access to the Information, the party is required to sign a confidentiality agreement with respect to the Information.

Signature Appears on the Following Page

Jeffrey R. Grubb, first being duly sworn, deposes and states that he has reviewed the attached document and that the information included in such document is accurate to the best of his knowledge and that the specific information designated as trade secret constitute trade secrets pursuant to Article 27, Chapter 1, Title 10 of the Georgia Code.

Jeffrey R. Grubb
Resource Policy and Planning Director
Georgia Power Company

Subscribed and sworn to before me this 10 day of August 2023.

Notary Public

My Commission expires:

4/26/26



Georgia Power Company's
Bi-Annual Hydro Modernization Update
For the Period Ending June 30, 2023

This Hydro Modernization Update ("Update") is provided in accordance with the Order Adopting Stipulation as Amended (the "Order") issued by the Georgia Public Service Commission (the "Commission") in the matter of Georgia Power Company's 2019 Integrated Resource Plan ("IRP") under Docket No. 42310. As such, it provides information to allow the Commission to monitor Georgia Power Company's ("Georgia Power" or the "Company") modernization efforts at Plant Terrora, Plant Tugalo, Plant Bartletts Ferry, Plant Nacoochee, and Plant Oliver.

This report also includes updates on the modernization projects at Plants Burton and Sinclair, in accordance with the Order for Georgia Power's 2022 IRP under Docket No. 44160.

Summary of Work Performed by Site

Plant Terrora



Plant Terrora Units 1-2 are part of the North Georgia hydro group. These units began commercial operation in 1925.

Summary of Scope of Work: The scope of work for Plant Terrora Units 1-2 included generator rewinds, turbine replacements, and the replacement of the Balance of Plant (BOP) systems, such as lubricating oil, service water systems, 480V switchgear, and the plant control system.

Project Status: Modernization work at Plant Terrora is complete. Unit 1 was returned to normal operation on November 19, 2021. Unit 2 was returned to normal operation on December 30, 2020.

Plant Tugalo



Plant Tugalo Units 1-4 are part of the North Georgia hydro group. Plant Tugalo Units 1-2 began commercial operation in 1923. Plant Tugalo Units 3-4 began commercial operation in 1924.

Summary of Scope of Work: The scope of work for Plant Tugalo Units 1-4 includes generator replacements, turbine replacements, and replacement of the BOP systems, such as lubricating oil, service water systems, 480V switchgear, and the plant control system.

Project Status: Unit 1 turbine and generator are on site and being installed. Unit 1 BOP construction is underway with an estimated completion of October 2023. Unit 2 and Unit 3 demolition has begun. Unit 2 turbine and generator fabrication is complete. Units 3 and 4 turbines and generators are currently being fabricated. The first set of 3 spillway gates has been removed. The new spillway gates are on site and are staged for installation.

Plant Bartletts Ferry 1-4



Plant Bartletts Ferry Units 1-4 are part of the Chattahoochee hydro group. These units began commercial operation at varying times as shown below:

- Bartletts Ferry Units 1-2 in 1926
- Bartletts Ferry Unit 3 in 1928
- Bartletts Ferry Unit 4 in 1951

Summary of Scope of Work: The scope of work is limited to Plant Bartletts Ferry Units 1-4. The work on these units includes generator rewinds, turbine replacements, and replacement of the BOP systems, such as lubricating oil, service water systems, 480V switchgear, and the plant control system. Plant Bartletts Ferry Units 5-6 are not included in the scope of work at this time.

Project Status: Scope development is complete, and detailed design work was completed in the first quarter of 2023. The new turbines are being fabricated. The generator rewind procurement package has been awarded. Some powerhouse activities, such as the crane modernization, have been completed. Unit 1 generator and turbine have been disassembled. Georgia Power is currently awaiting FERC approval to proceed with installation of the new equipment, as applicable.

Plant Nacoochee



Plant Nacoochee Units 1-2 are part of the North Georgia hydro group. These units began commercial operation in 1926.

Summary of Scope of Work: The scope of work expected for Plant Nacoochee Units 1-2 includes generator rewinds, turbine replacement on Unit 2, and replacement of the BOP systems, such as lubricating oil, service water systems, 480V switchgear, and the plant control system.

Project Status: The logistical planning is complete for the project. The turbine package has been awarded, and the generator procurement package is in development. Remaining engineering and procurement activities are underway. Site preparation will begin in third quarter 2023 to support construction work on the units expected to begin in 2024.

Plant Oliver



Plant Oliver Units 1-4 are part of the Chattahoochee hydro group. These units began commercial operation in 1959.

Summary of Scope of Work: The scope of work expected for Plant Oliver Units 1-4 includes turbine replacements and replacement of the BOP systems, such as lubricating oil, service water systems, 480V switchgear, and the plant control system. Additionally, generator rewinds will be performed on Units 3 and 4. Generator rewinds were previously completed for Units 1 and 2 during their maintenance cycles in 2015 and 2016, respectively.

Project Status: A scoping kickoff meeting has been completed and detailed design work has commenced. The procurement of new turbines for Units 1-3 has been issued; the Unit 4 package is in development. The generator procurement package for Unit 3 is in development; the Unit 4 package will be developed upon the award of the Unit 4 turbine package.

Plant Burton



Plant Burton Units 1-2 are part of the North Georgia hydro group. These units began commercial operation in 1927.

Summary of Scope of Work: The scope of work expected for Plant Burton Units 1-2 includes generator rewinds/replacement, turbine replacements, and replacement of the BOP systems, such as lubricating oil, service water systems, 480V switchgear, the plant control system, and spillway gates.

Project Status: A scoping kickoff meeting will be scheduled during 2023. Initial work on the turbine and generator specifications has commenced.

Plant Sinclair



Plant Sinclair Units 1-2 are part of the Central Georgia hydro group. These units began commercial operation in 1953.

Summary of Scope of Work: The scope of work expected for Plant Sinclair Units 1-2 includes generator rewinds/replacement, turbine replacements, and replacement of the BOP systems, such as lubricating oil, service water systems, 480V switchgear, and the plant control system.

Project Status: A scoping kickoff meeting will be scheduled during 2023. Initial work on the turbine and generator specifications has commenced.

Trade Secret Bartletts Ferry U1-4 Schedule 06-30-23 has been redacted in its entirety.

PUBLIC DISCLOSURE

Hydro Modernization Cost Report

Project Monitoring Report thru June 30, 2023

Total Project

($1,000s)

		2019 IRP										2022 IRP					
Year	Period Ending	Terrora Actuals	Terrora Project Forecast*	Tugalo Actuals	Tugalo Project Forecast*	Bartletts Ferry Actuals	Bartletts Ferry Project Forecast*	Nacoochee Actuals	Nacoochee Project Forecast*	Oliver Actuals	Oliver Project Forecast*	Sinclair Actuals	Sinclair Project Forecast*	Burton Actuals	Burton Project Forecast*	Total Actuals	Total Project Forecast*
2019	30-Jun	$ 1,042	$ 260	$ -	$ -	$ -	$ -	$ -	$ 34	$ -		$ -		$ -		$ 1,042	$ 294
2019	31-Dec	$ 3,430	$ 1,848	$ -	$ -	$ -	$ -	$ -	$ 6	$ -		$ -		$ -		$ 3,430	$ 1,855
2020	30-Jun	$ 9,855	$ 10,687	$ 629	$ 624	$ 683	$ 683	$ 34	$ 345	$ 434		$ -		$ -		$ 11,635	$ 12,339
2020	31-Dec	$ 15,498	$ 18,624	$ 5,508	$ 5,443	$ 1,734	$ 1,734	$ 6	$ 1,352	$ 3		$ -		$ -		$ 22,749	$ 27,153
2021	30-Jun	$ 8,060	$ 8,181	$ 2,188	$ 2,187	$ 3,405	$ 3,405	$ 345	$ 677	$ 480		$ -		$ -		$ 14,479	$ 14,451
2021	31-Dec	$ 8,449	$ 7,694	$ 18,030	$ 17,473	$ 11,287	$ 11,315	$ 1,352	$ 2,923	$ 521		$ -		$ -		$ 39,640	$ 39,405
2022	30-Jun	$ 863	$ 750	$ 6,806	$ 13,467	$ 6,375	$ 4,672	$ 677	$ 2,293	$ 241		$ -		$ -		$ 14,962	$ 21,182
2022	31-Dec	$ (166)	$ -	$ 19,111	$ 19,762	$ 13,844	$ 14,461	$ 2,923	$ 10,067	$ 4,954		$ 683		$ 1,300		$ 42,649	$ 44,289
2023	30-Jun			$ 11,342	$ 11,033	$ 17,429	$ 18,096	$ 2,543	$ 14,051	$ 1,980		$ 173		$ 152		$ 33,618	$ 43,180
2023	31-Dec			$ -	$ 7,858	$ -	$ 14,532	$ -	$ 12,806	$ -		$ -		$ -		$ -	$ 35,196
2024	30-Jun			$ -	$ 11,713	$ -	$ 12,224	$ -	$ 6,515	$ -		$ -		$ -		$ -	$ 30,452
2024	31-Dec			$ -	$ 7,965	$ -	$ 13,242	$ -	$ 465	$ -		$ -		$ -		$ -	$ 21,672
2025	30-Jun			$ -	$ 10,098	$ -	$ 11,815			$ -		$ -		$ -		$ -	$ 21,913
2025	31-Dec			$ -	$ 7,670	$ -	$ 12,996			$ -		$ -		$ -		$ -	$ 20,666
2026	30-Jun			$ -	$ 3	$ -	$ 13,695			$ -		$ -		$ -		$ -	$ 13,698
2026	31-Dec					$ -	$ 11,205			$ -		$ -		$ -		$ -	$ 11,205
2027	30-Jun									$ -				$ -		$ -	$ -
2027	31-Dec									$ -				$ -		$ -	$ -
2028	30-Jun									$ -						$ -	$ -
2028	31-Dec									$ -						$ -	$ -
2029	30-Jun									$ -						$ -	$ -
2029	31-Dec									$ -						$ -	$ -
TOTAL		$ 47,031	$ 48,045	$ 63,613	$ 115,295	$ 54,758	$ 144,075	$ 7,880	$ 51,534	$ 8,612	$ -	$ 856	$ -	$ 1,452	$ -	$ 184,203	$ 358,950

Sums and percentages may not add due to rounding.

Notes on Variances	
A	
B	
C	

*Added once Project Forecast estimates are updated and approved. Currently includes Plant Terrora Project Forecast that was developed 1Q 2021, Plant Tugalo 3Q 2021, Bartletts 1-4 4Q 2021, Nacoochee 2Q 2023
Measured against Total IRP Budgets from 2019 & 2022 = $592,378. 2019 IRP Budget - $446,618; 2022 IRP Budget - $145,760 (Burton & Sinclair).

PUBLIC DISCLOSURE
Hydro Modernization Cost Report
Project Monitoring Report - June 30, 2023
Plant Terrora

Actuals ($1,000s)											
Year	Period Ending	Unit 1			Unit 2			Actuals	Project Forecast*	% Variance (against Project Forecast)	Notes
		Turbine	Generator	BOP	Turbine	Generator	BOP				
2019	30-Jun	$ -	$ -	$ -	$ 594	$ 31	$ 417	**$ 1,042**	**$ 260**	**300%**	
2019	31-Dec	$ -	$ -	$ -	$ 1,678	$ 303	$ 1,449	**$ 3,430**	**$ 1,848**	**86%**	
2020	30-Jun	$ 1,778	$ -	$ 12	$ 3,949	$ 1,582	$ 2,534	**$ 9,855**	**$ 10,687**	**-8%**	
2020	31-Dec	$ 972	$ 1,551	$ 802	$ 4,512	$ 2,648	$ 5,012	**$ 15,498**	**$ 18,624**	**-17%**	
2021	30-Jun	$ 3,222	$ 1,277	$ 2,666	$ 498	$ 3	$ 395	**$ 8,060**	**$ 8,181**	**-1%**	
2021	31-Dec	$ 4,970	$ 921	$ 2,070	$ 129	$ -	$ 360	**$ 8,449**	**$ 7,694**	**10%**	
2022	30-Jun	$ 564	$ 28	$ 92	$ 192	$ -	$ (12)	**$ 863**	**$ 750**	**15%**	
2022	31-Dec	$ (151)	$ (19)	$ 3	$ 1	$ -	$ -	**$ (166)**	**$ -**	**N/A**	**B**
TOTAL		**$ 11,355**	**$ 3,757**	**$ 5,646**	**$ 11,552**	**$ 4,567**	**$ 10,155**	**$ 47,031**	**$ 48,045**	**-2%**	**A**

Sums and percentages may not add due to rounding.

Notes on Variances	
A	Variance based on total actuals in this report versus total project forecast.
B	Accounting system adjustments during period ending December 31, 2022.
C	

Notes:
*Added once Project Forecast estimates are updated and approved. Final Project Forecast developed Q1 2021.
2019 IRP Budget - $58,160
Unit 1 returned to normal operation on November 19, 2021. Unit 2 returned to normal operation on December 30, 2020.
This report reflects actuals for the two semiannual periods following the return to normal operation of the last unit in the project (i.e., Unit 1) to reflect applicable invoiced costs but does not include any ordinary accounting adjustments made to close out the project, as applicable, after December 31, 2022.

PUBLIC DISCLOSURE
Hydro Modernization Cost Report
Project Monitoring Report - June 30, 2023
Plant Tugalo

Actuals ($1,000s)																			
Year	Period Ending	Unit 1			Unit 2			Unit 3			Unit 4			Actuals	Project Forecast*	% Variance (against Project Forecast)	Notes
		Turbine	Generator	BOP	Turbine	Generator	BOP	Turbine	Generator	BOP	Turbine	Generator	BOP				
2020	30-Jun	$ 624	$ -	$ 5	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ 629**	**$ 624**	**1%**	
2020	31-Dec	$ 1,871	$ 54	$ 91	$ 1,165	$ -	$ -	$ 1,165	$ -	$ -	$ 1,161	$ -	$ -	**$ 5,508**	**$ 5,443**	**1%**	
2021	30-Jun	$ 1,109	$ 165	$ 551	$ 132	$ -	$ 3	$ 111	$ -	$ 3	$ 109	$ -	$ 3	**$ 2,188**	**$ 2,187**	**0%**	
2021	31-Dec	$ 4,497	$ 1,727	$ 7,002	$ 1,231	$ -	$ 118	$ 1,270	$ -	$ 731	$ 1,330	$ -	$ 122	**$ 18,030**	**$ 17,473**	**3%**	
2022	30-Jun	$ 3,263	$ 160	$ 3,052	$ 121	$ -	$ 27	$ 115	$ -	$ (11)	$ 118	$ -	$ (41)	**$ 6,806**	**$ 13,467**	**-49%**	
2022	31-Dec	$ 3,126	$ 2,789	$ 6,589	$ 1,309	$ 1,702	$ 96	$ 1,040	$ 156	$ 2,124	$ 156	$ 9	$ 16	**$ 19,111**	**$ 19,762**	**-3%**	
2023	30-Jun	$ 3,354	$ 721	$ 3,446	$ 874	$ 134	$ 56	$ 446	$ 1,628	$ 352	$ 223	$ 61	$ 49	**$ 11,342**	**$ 11,033**	**3%**	
2023	31-Dec													**$ -**	**$ 7,858**		
2024	30-Jun													**$ -**	**$ 11,713**		
2024	31-Dec													**$ -**	**$ 7,965**		
2025	30-Jun													**$ -**	**$ 10,098**		
2025	31-Dec													**$ -**	**$ 7,670**		
2026	30-Jun													**$ -**	**$ 3**		
2026	31-Dec																
2027	30-Jun																
2027	31-Dec																
TOTAL		**$ 17,843**	**$ 5,616**	**$ 20,738**	**$ 4,833**	**$ 1,836**	**$ 301**	**$ 4,147**	**$ 1,784**	**$ 3,200**	**$ 3,098**	**$ 70**	**$ 149**	**$ 63,613**	**$ 115,295**	**4%**	**A**
													Current Estimate at Completion		**$ 119,458**		

Sums and percentages may not add due to rounding.

Notes on Variances	
A	Increase from IRP submittal to current forecast driven by turbine pricing, generator replacement, GSU pricing, and trash racks scope.
B	
C	

Notes:
*Added once Project Forecast estimates are updated and approved. Final Project Forecast developed Q3 2021.
2019 IRP Budget - $109,736

PUBLIC DISCLOSURE
Hydro Modernization Cost Report
Project Monitoring Report - June 30, 2023
Bartletts Ferry

Actuals ($1,000s)																				
Year	Period Ending	Unit 1			Unit 2			Unit 3			Unit 4			Actuals	Project Forecast*	% Variance (against Project Forecast)	Notes
		Turbine	Generator	BOP	Turbine	Generator	BOP	Turbine	Generator	BOP	Turbine	Generator	BOP				
2020	30-Jun	$ 683	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ 683**	**$ 683**	**0%**	
2020	31-Dec	$ 1,734	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ 1,734**	**$ 1,734**	**0%**	
2021	30-Jun	$ 2,886	$ -	$ 1	$ -	$ -	$ -	$ 519	$ -	$ -	$ -	$ -	$ -	**$ 3,405**	**$ 3,405**	**0%**	
2021	31-Dec	$ 1,931	$ 175	$ 3,398	$ 1,995	$ 43	$ 633	$ 817	$ 44	$ 598	$ 905	$ 60	$ 687	**$ 11,287**	**$ 11,315**	**0%**	
2022	30-Jun	$ 2,216	$ 239	$ 3,220	$ 205	$ 39	$ 59	$ 176	$ 36	$ 62	$ 89	$ 3	$ 32	**$ 6,375**	**$ 4,672**	**36%**	**B**
2022	31-Dec	$ 3,350	$ 939	$ 6,973	$ 23	$ 662	$ 163	$ 0	$ 675	$ 161	$ 42	$ 726	$ 131	**$ 13,844**	**$ 14,461**	**-4%**	
2023	30-Jun	$ 5,826	$ 3,174	$ 6,581	$ 196	$ 38	$ 241	$ 730	$ 38	$ 254	$ 43	$ 40	$ 269	**$ 17,429**	**$ 18,096**	**-4%**	
2023	31-Dec													**$ -**	**$ 14,532**		
2024	30-Jun													**$ -**	**$ 12,224**		
2024	31-Dec													**$ -**	**$ 13,242**		
2025	30-Jun													**$ -**	**$ 11,815**		
2025	31-Dec													**$ -**	**$ 12,996**		
2026	30-Jun													**$ -**	**$ 13,695**		
2026	31-Dec													**$ -**	**$ 11,205**		
2027	30-Jun																
2027	31-Dec																
TOTAL		**$ 18,625**	**$ 4,527**	**$ 20,172**	**$ 2,420**	**$ 781**	**$ 1,096**	**$ 2,243**	**$ 793**	**$ 1,075**	**$ 1,078**	**$ 829**	**$ 1,119**	**$ 54,758**	**$ 144,075**	**16%**	A
													Current Estimate at Completion		**$ 167,668**		

Sums and percentages may not add due to rounding.

Variances	
A	Increase from IRP submittal to current forecast driven by turbine, generator, GSU, and electrical equipment pricing.
B	Accounting system adjustments during period ending December 31, 2022.
C	

Notes:
*Added once Project Forecast estimates are updated and approved. Final Project Forecast developed Q4 2021.
2019 IRP Budget - $114,763

PUBLIC DISCLOSURE
Hydro Modernization Cost Report
Project Monitoring Report - June 30, 2023
Plant Nacoochee

Actuals ($1,000s)											
Year	Period Ending	Unit 1			Unit 2			Actuals	Project Forecast*	% Variance (against Project Forecast)	Notes
		Turbine	Generator	BOP	Turbine	Generator	BOP				
2020	30-Jun	$ -	$ -	$ -	$ 34	$ -	$ -	**$ 34**	**$ 34**	**0%**	
2020	31-Dec	$ -	$ -	$ -	$ 6	$ -	$ -	**$ 6**	**$ 6**	**0%**	
2021	30-Jun	$ -	$ -	$ -	$ 345	$ -	$ -	**$ 345**	**$ 345**	**0%**	
2021	31-Dec	$ -	$ -	$ 628	$ 724	$ -	$ -	**$ 1,352**	**$ 1,352**	**0%**	
2022	30-Jun	$ -	$ -	$ 269	$ 408	$ -	$ -	**$ 677**	**$ 677**	**0%**	
2022	31-Dec	$ -	$ -	$ 1,716	$ 1,062	$ -	$ 145	**$ 2,923**	**$ 2,923**	**0%**	
2023	30-Jun	$ -	$ -	$ 377	$ 2,149	$ -	$ 17	**$ 2,543**	**$ 2,293**	**11%**	
2023	31-Dec							**$ -**	**$ 10,067**		
2024	30-Jun							**$ -**	**$ 14,051**		
2024	31-Dec							**$ -**	**$ 12,806**		
2025	30-Jun							**$ -**	**$ 6,515**		
2025	31-Dec							**$ -**	**$ 465**		
2026	30-Jun										
2026	31-Dec										
2027	30-Jun										
2027	31-Dec										
TOTAL		**$ -**	**$ -**	**$ 2,991**	**$ 4,728**	**$ -**	**$ 161**	**$ 7,880**	**$ 51,534**	**0%**	**A**
							Current Estimate at Completion		**$ 51,534**		

Sums and percentages may not add due to rounding.

Notes on Variances	
A	Increase from IRP submittal to current forecast driven by GSU, trash racks, and labor costs.
B	
C	

Notes:
*Added once Project Forecast estimates are updated and approved. Final Project Forecast developed Q2 2023.
2019 IRP Budget - $44,117

PUBLIC DISCLOSURE
Hydro Modernization Cost Report
Project Monitoring Report - June 30, 2023
Plant Oliver

Actuals ($1,000s)																		
Year	Period Ending	Unit 1			Unit 2			Unit 3			Unit 4			Actuals	Project Forecast*	% Variance (against Project Forecast)	Notes
		Turbine	Generator	BOP	Turbine	Generator	BOP	Turbine	Generator	BOP	Turbine	Generator	BOP				
2020	30-Jun	$ 434	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ 434**	$ -		
2020	31-Dec	$ 3	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ 3**	$ -		
2021	30-Jun	$ 480	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ 480**	$ -		
2021	31-Dec	$ 521	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ 521**	$ -		
2022	30-Jun	$ 241	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	**$ 241**	$ -		
2022	31-Dec	$ 4,017	$ -	$ 455	$ -	$ -	$ 154	$ -	$ -	$ 161	$ -	$ -	$ 166	**$ 4,954**	$ -		
2023	30-Jun	$ 1,440	$ -	$ 443	$ 2	$ -	$ 35	$ -	$ -	$ 29	$ -	$ -	$ 30	**$ 1,980**	$ -		
2023	31-Dec													**$ -**	$ -		
2024	30-Jun													**$ -**	$ -		
2024	31-Dec													**$ -**	$ -		
2025	30-Jun													**$ -**	$ -		
2025	31-Dec													**$ -**	$ -		
2026	30-Jun													**$ -**	$ -		
2026	31-Dec													**$ -**	$ -		
2027	30-Jun													**$ -**	$ -		
2027	31-Dec													**$ -**	$ -		
2028	30-Jun													**$ -**	$ -		
2028	31-Dec													**$ -**	$ -		
2029	30-Jun													**$ -**	$ -		
2029	31-Dec													**$ -**	$ -		
TOTAL		**$ 7,136**	**$ -**	**$ 898**	**$ 2**	**$ -**	**$ 189**	**$ -**	**$ -**	**$ 190**	**$ -**	**$ -**	**$ 196**	**$ 8,612**	$ -		

Sums and percentages may not add due to rounding.

Notes on Variances	
A	
B	
C	

Notes:
*Added once Project Forecast estimates are updated and approved. Final Project Forecast expected Q3 2023.
2019 IRP Budget - $119,842

PUBLIC DISCLOSURE
Hydro Modernization Cost Report
Project Monitoring Report - June 30, 2023
Plant Sinclair

Actuals ($1,000s)											
Year	Period Ending	Unit 1			Unit 2			Actuals	Project Forecast*	% Variance (against Project Forecast)	Notes
		Turbine	Generator	BOP	Turbine	Generator	BOP				
2020	30-Jun	$ -	$ -	$ -	$ -	$ -	$ -	**$ -**	**$ -**		
2020	31-Dec	$ -	$ -	$ -	$ -	$ -	$ -	**$ -**	**$ -**		
2021	30-Jun	$ -	$ -	$ -	$ -	$ -	$ -	**$ -**	**$ -**		
2021	31-Dec	$ -	$ -	$ -	$ -	$ -	$ -	**$ -**	**$ -**		
2022	30-Jun	$ -	$ -	$ -	$ -	$ -	$ -	**$ -**	**$ -**		
2022	31-Dec	$ 151	$ -	$ 379	$ -	$ -	$ 153	**$ 683**	**$ -**		
2023	30-Jun	$ 59	$ -	$ 105	$ -	$ -	$ 9	**$ 173**	**$ -**		
2023	31-Dec							**$ -**	**$ -**		
2024	30-Jun							**$ -**	**$ -**		
2024	31-Dec							**$ -**	**$ -**		
2025	30-Jun							**$ -**	**$ -**		
2025	31-Dec							**$ -**	**$ -**		
2026	30-Jun							**$ -**	**$ -**		
2026	31-Dec							**$ -**	**$ -**		
2027	30-Jun										
2027	31-Dec										
TOTAL		**$ 210**	**$ -**	**$ 485**	**$ -**	**$ -**	**$ 161**	**$ 856**	**$ -**		

Sums and percentages may not add due to rounding.

Notes on Variances	
A	
B	
C	

Notes:
*Added once Project Forecast estimates are updated and approved. Final Project Forecast expected Q2 2024.
2022 IRP Budget - $85,405

PUBLIC DISCLOSURE
Hydro Modernization Cost Report
Project Monitoring Report - June 30, 2023
Plant Burton

Actuals ($1,000s)											
Year	Period Ending	Unit 1			Unit 2			Actuals	Project Forecast*	% Variance (against Project Forecast)	Notes
		Turbine	Generator	BOP	Turbine	Generator	BOP				
2020	30-Jun	$ -	$ -	$ -	$ -	$ -	$ -	**$ -**	**$ -**		
2020	31-Dec	$ -	$ -	$ -	$ -	$ -	$ -	**$ -**	**$ -**		
2021	30-Jun	$ -	$ -	$ -	$ -	$ -	$ -	**$ -**	**$ -**		
2021	31-Dec	$ -	$ -	$ -	$ -	$ -	$ -	**$ -**	**$ -**		
2022	30-Jun	$ -	$ -	$ -	$ -	$ -	$ -	**$ -**	**$ -**		
2022	31-Dec	$ 424	$ -	$ 723	$ -	$ -	$ 153	**$ 1,300**	**$ -**		
2023	30-Jun	$ 29	$ -	$ 117	$ -	$ -	$ 6	**$ 152**	**$ -**		
2023	31-Dec							**$ -**	**$ -**		
2024	30-Jun							**$ -**	**$ -**		
2024	31-Dec							**$ -**	**$ -**		
2025	30-Jun							**$ -**	**$ -**		
2025	31-Dec							**$ -**	**$ -**		
2026	30-Jun							**$ -**	**$ -**		
2026	31-Dec							**$ -**	**$ -**		
2027	30-Jun							**$ -**	**$ -**		
2027	31-Dec							**$ -**	**$ -**		
TOTAL		**$ 453**	**$ -**	**$ 839**	**$ -**	**$ -**	**$ 160**	**$ 1,452**	**$ -**		

Sums and percentages may not add due to rounding.

Notes on Variances	
A	
B	
C	

Notes:
*Added once Project Forecast estimates are updated and approved. Final Project Forecast expected Q3 2024.
2022 IRP Budget - $60,355

PUBLIC DISCLOSURE
Major Contracts
Project Monitoring Report - June 30, 2023

Major Contracts	Type	PO[1]	Estimated Amount (1000$)[2]	Initial Contract Amount (1000$)	Current Contract Amount (1000$)[3]	% Variance[4]	Notes
Terrora							
Turbine	Supply, remove and install	GPC10980282 / GPC6429-0009	REDACTED	REDACTED	REDACTED	REDACTED	A, B, P
Generator	Supply, remove and install	GPC65084-0001	REDACTED	REDACTED	REDACTED	REDACTED	A, C
General Contractor Unit 2	Install	GPC65147-0001	REDACTED	REDACTED	REDACTED	REDACTED	A, D
General Contractor Unit 1	Install	GPC69749-0001	REDACTED	REDACTED	REDACTED	REDACTED	A, G
Trash Racks	Supply, remove and install	GPC67622-0001	REDACTED	REDACTED	REDACTED	REDACTED	A
Governor HPU Skids	Supply	GPC10982009	REDACTED	REDACTED	REDACTED	REDACTED	A
Station Service Transformers	Supply	GPC10977336	REDACTED	REDACTED	REDACTED	REDACTED	A
Switchgear	Supply	GPC11053203	REDACTED	REDACTED	REDACTED	REDACTED	A
Lube Oil Skids	Supply	GPC10982036	REDACTED	REDACTED	REDACTED	REDACTED	A, E
Batteries	Supply	GPC11020730	REDACTED	REDACTED	REDACTED	REDACTED	A
Generator Step Up Transformer	N/A	N/A	REDACTED	REDACTED	REDACTED		
DCS	Supply	GPC10990070	REDACTED	REDACTED	REDACTED	REDACTED	A, F
Totals			REDACTED	REDACTED	REDACTED	REDACTED	
Tugalo							
Turbine/Generator LNTP	Supply, remove and install	GPC69300-0001	REDACTED	REDACTED	REDACTED	REDACTED	H, I
Turbine/Generator U1	Supply, remove and install	GPC69300-0001	REDACTED	REDACTED	REDACTED	REDACTED	I,J
Turbine/Generator U2	Supply, remove and install	GPC69300-0002	REDACTED	REDACTED	REDACTED	REDACTED	I,J
Turbine/Generator U3	Supply, remove and install	GPC69300-0003	REDACTED	REDACTED	REDACTED	REDACTED	I,J
Turbine/Generator U4	Supply, remove and install	GPC69300-0004	REDACTED	REDACTED	REDACTED	REDACTED	I,J
General Contractor	Install	GPC83925-0002	REDACTED	REDACTED	REDACTED	REDACTED	A
Trash Racks	Supply, remove and install	GPC64556-0007 / GPC83925-0001	REDACTED	REDACTED	REDACTED	REDACTED	N
Governor HPU Skids U1	Supply	GPC69389-0007	REDACTED	REDACTED	REDACTED	REDACTED	
Governor HPU Skids U2	Supply	GPC69389-0008	REDACTED	REDACTED	REDACTED	REDACTED	
Governor HPU Skids U3	Supply	GPC69389-0009	REDACTED	REDACTED	REDACTED	REDACTED	
Governor HPU Skids U4	Supply	GPC69389-0010	REDACTED	REDACTED	REDACTED	REDACTED	
Station Service Transformers	Supply	GPC68066-0007	REDACTED	REDACTED	REDACTED	REDACTED	
Switchgear	Supply	GPC63594-0009	REDACTED	REDACTED	REDACTED	REDACTED	
Lube Oil Skids	N/A	N/A	REDACTED	REDACTED	REDACTED		
Batteries	Supply	GPC72032-0001	REDACTED	REDACTED	REDACTED	REDACTED	
Generator Step Up Transformers	Supply	GPC70844-0002	REDACTED	REDACTED	REDACTED	REDACTED	L
DCS Unit 1	Supply	GPC11121719	REDACTED	REDACTED	REDACTED	REDACTED	O
Spillway Gates	Supply	GPC64556-0007	REDACTED	REDACTED	REDACTED	REDACTED	K
Totals			REDACTED	REDACTED	REDACTED	REDACTED	

Sums and percentages may not add due to rounding.

Bartletts Ferry 1-4							
Turbine Common	Supply and install	GPC69087-0001	REDACTED	REDACTED	REDACTED	REDACTED	H
Turbine Unit 1	Supply and install	GPC68064-0005	REDACTED	REDACTED	REDACTED	REDACTED	M
Turbine Unit 2	Supply and install	GPC68064-0002	REDACTED	REDACTED	REDACTED	REDACTED	M
Turbine Unit 3	Supply and install	GPC68064-0003	REDACTED	REDACTED	REDACTED	REDACTED	M
Turbine Unit 4	Supply and install	GPC68064-0004	REDACTED	REDACTED	REDACTED	REDACTED	M
Generator Unit 1	Supply and install	GPC74379-0002	REDACTED	REDACTED	REDACTED	REDACTED	H
Generator Unit 2	Supply and install	GPC74379-0005	REDACTED	REDACTED	REDACTED	REDACTED	H
Generator Unit 3	Supply and install	GPC74379-0003	REDACTED	REDACTED	REDACTED	REDACTED	H
Generator Unit 4	Supply and install	GPC74379-0004	REDACTED	REDACTED	REDACTED	REDACTED	H
General Contractor	Install						
Trash Racks	Supply Only	GPC64556-0008	REDACTED	REDACTED	REDACTED	REDACTED	N
Governor HPU Skids Unit 1	Supply	GPC73295-0001	REDACTED	REDACTED	REDACTED	REDACTED	
Governor HPU Skids Unit 2	Supply	GPC73295-0003	REDACTED	REDACTED	REDACTED	REDACTED	
Governor HPU Skids Unit 3	Supply	GPC73295-0002	REDACTED	REDACTED	REDACTED	REDACTED	
Governor HPU Skids Unit 4	Supply	GPC73295-0004	REDACTED	REDACTED	REDACTED	REDACTED	
Station Service Transformers	Supply	GPC68066-0012	REDACTED	REDACTED	REDACTED	REDACTED	
Switchgear	Supply	GPC67910-0006	REDACTED	REDACTED	REDACTED	REDACTED	
Lube Oil Skids	Supply	GPC66641-0008	REDACTED	REDACTED	REDACTED	REDACTED	O
Batteries	Supply						
Generator Step Up Transformer U1	Supply	GPC70844-0003	REDACTED	REDACTED	REDACTED	REDACTED	M
Generator Step Up Transformer U2	Supply	GPC70844-0004	REDACTED	REDACTED	REDACTED	REDACTED	
Generator Step Up Transformer U3	Supply	GPC70844-0005	REDACTED	REDACTED	REDACTED	REDACTED	
Generator Step Up Transformer U4	Supply	GPC70844-0006	REDACTED	REDACTED	REDACTED	REDACTED	
DCS	Supply	GPC71804-0001	REDACTED	REDACTED	REDACTED	REDACTED	
Spillway Gate Hoists	Supply and install						
Totals			REDACTED	REDACTED	REDACTED	REDACTED	

Sums and percentages may not add due to rounding.

Nacoochee							
Turbine	Supply and install						
Generator	Supply and install						
General Contractor	Install						
Trash Racks	Supply and install						
Governor HPU Skids Unit 1	Supply	GPC73295-0011	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Governor HPU Skids Unit 2	Supply	GPC73295-0008	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Station Service Transformers	Supply						
Switchgear	Supply						
Lube Oil Skids	Supply						
Batteries	Supply						
Generator Step Up Transformer	Supply	GPC70844-0014	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
DCS Unit 1	Supply	GPC18391-0362	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
DCS Unit 2	Supply	GPC18391-0363	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Bulk Heads	Supply	GPC64556-0010	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Trash Racks	Supply Only	GPC64556-0018	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Head Gates	Supply and install	GPC64556-0018	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Totals			**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	

Sums and percentages may not add due to rounding.

Oliver							
Turbine Unit 1	Supply and install	GPC64290-0016	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Turbine Unit 2	Supply and install	GPC64290-0014	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Turbine Unit 3	Supply and install	GPC64290-0015	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Generator	Supply and install						
General Contractor	Install						
Trash Racks	Supply and install						
Governor HPU Skids Unit 1	Supply	GPC73295-0009	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Governor HPU Skids Unit 2	Supply	GPC73295-0005	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Governor HPU Skids Unit 3	Supply	GPC73295-0006	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Governor HPU Skids Unit 4	Supply	GPC73295-0007	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Station Service Transformers	Supply						
Switchgear	Supply						
Lube Oil Skids	Supply						
Batteries	Supply						
Generator Step Up Transformer	Supply						
DCS Unit 1	Supply	GPC71804-0002	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
DCS Unit 2	Supply	GPC71804-0003	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
DCS Unit 3	Supply	GPC71804-0004	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
DCS Unit 4	Supply	GPC71804-0005	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Spillway Gate Hoists	Supply						
Depressing Air Compressor	Supply						
Headgates	Supply						
Totals			**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	

Sums and percentages may not add due to rounding.

Sinclair							
Turbine	Supply and install						
Generator	Supply and install						
General Contractor	Install						
Trash Racks	Supply and install						
Governor HPU Skids Unit 1	Supply	GPC73295-0013	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Governor HPU Skids Unit 2	Supply	GPC73295-0012	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Station Service Transformers	Supply						
Switchgear	Supply						
Lube Oil Skids	Supply						
Batteries	Supply						
Generator Step Up Transformer	Supply						
DCS Unit 1	Supply	GPC18391-0359	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
DCS Unit 2	Supply	GPC18391-0361	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Bulk Heads	Supply						
Trash Racks	Supply Only						
Head Gates	Supply and install						
Totals			**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	

Sums and percentages may not add due to rounding.

Burton							
Turbine	Supply and install						
Generator	Supply and install						
General Contractor	Install						
Trash Racks	Supply and install						
Governor HPU Skids	Supply	GPC73295-0010	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Station Service Transformers	Supply						
Switchgear	Supply						
Lube Oil Skids	Supply						
Batteries	Supply						
Generator Step Up Transformer	Supply	GPC70844-0015	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	O
DCS Unit 1	Supply	GPC18391-0358	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
DCS Unit 2	Supply	GPC18391-0360	**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	
Bulk Heads	Supply						
Trash Racks	Supply Only						
Head Gates	Supply and install						
Totals			**REDACTED**	**REDACTED**	**REDACTED**	**REDACTED**	

Sums and percentages may not add due to rounding.

[1] PO's included when contract value exceeds $100k following award of contract and issuance of PO.

[2] Estimated amount from Project Estimate

[3] This reflects change orders to the contract/purchase order

[4] From Initial Contract Amount to Current Amount

Notes on Variances	
A	Variances between the Estimated Amount and the Initial Contract Amount are the result of the differences between the screening level Estimated Amount compared to the actual contract that was procured and is reflected as the Initial Contract Amount.
B	Additional work related to rehabilitation and replacement of components not included in base scope.
C	Additional rotor stability frame due to safety concerns. Additional cleaning and handling of the generator rotor.
D	Documents issued for bid vs documents issued for construction.
E	Additional valve, differential pressure transmitters, and lifting frame modification.
F	Power and water cybersecurity suite equipment, operation station, and additional start up support.
G	"Estimated Amount" included in General Contractor Unit 2 value. Shown in Cell E9.
H	Limited Notice to Proceed - contract negotiations completed
I	Turbine and Generator scope issued a single contract due to an alternate bid
J	Transferred braking/jacking and vibration monitoring scope to vendor, added scope for online brush removal and terminal blocks.
K	Estimate includes supply and install. Originally estimated as Obermeyers, current strategy is replace in kind.
L	Includes U1 and U3 transformers
M	Steel indices
N	Storage Fees
O	Part associated with completing the final design.
P	Accounting system adjustments during period ending December 31, 2022.

PUBLIC DISCLOSURE
Project Change Orders
Project Monitoring Report - June 30, 2023
Material Change Orders (>$100k)

Terrora

Date CO Submitted	Description of Change Order Request	Dollar Amount Requested (1000$)	Date Approved
1/30/2020	Controls	**REDACTED**	5/13/2020
1/30/2020	Penstock manholes/platforms, turb/gen platform, air reciever tank, control room access	**REDACTED**	5/13/2020
5/14/2020	Unit 1/2 Turbine Increases.	**REDACTED**	5/14/2020
5/14/2020	Night Shift Coordinator	**REDACTED**	5/18/2020
6/23/2020	Terrora Isolation Valves	**REDACTED**	7/23/2020
10/19/2020	Terrora Overhead Crane uprate	**REDACTED**	10/19/2020
11/10/2020	Equipment and Startup support	**REDACTED**	11/24/2020
11/24/2020	Operations Procedures	**REDACTED**	11/24/2020
3/29/2021	Emerson Phase 2 Startup Support	**REDACTED**	4/12/2021
9/9/2021	Terrora Unit 1 & 2– New Lower Generator Guide Bearing Oil Basin Cover Proposal for American Hydro	**REDACTED**	9/9/2021
9/9/2021	Terrora Unit 1– LGGB Housing and Bridge Fit Reconditioning for American Hydro	**REDACTED**	10/8/2021
	34 Other Change Orders (<$100k)	$ 936	Multiple
	Total	$ 6,157	

Tugalo

Date CO Submitted	Description of Change Order Request	Dollar Amount Requested (1000$)	Date Approved
10/14/2021	Online Brush Removal, Vibration Sensors, Braking/Jack System, and Terminal Blocks	**REDACTED**	11/30/2021
3/24/2022	Additional Electrical Hours Required	**REDACTED**	3/24/2022
3/24/2022	Tugalo Unit 1 sole plate, draft tube, and wheel pit repairs	**REDACTED**	3/24/2022
3/17/2022	By-Pass for the Temperature Control Valves	**REDACTED**	9/29/2022
7/8/2022	Tugalo Trash Rack and Structural Steel temporary Storage	**REDACTED**	9/29/2022
11/21/2022	Siemens GSU PO Reconciliation	**REDACTED**	11/21/2022
1/25/2023	GSU Concrete Pad install	**REDACTED**	6/29/2023
3/15/2023	Sheave Wheel Bracket Modifications (28 Sheave Wheel Brackets)	**REDACTED**	6/29/2023
3/31/2023	Turbine Unit 2&3 Draft Tube Repairs	**REDACTED**	6/29/2023
	17 Other Change Orders (<$100k)	$ 620	Multiple
	Total	$ 3,500	

Bartletts Ferry

Date CO Submitted	Description of Change Order Request	Dollar Amount Requested (1000$)	Date Approved
8/31/2021	Additional Options and Engineering Studies	**REDACTED**	9/7/2021
2/5/2022	CPI increase in raw steel Price vs the Post-adjustment price for Headcover	**REDACTED**	4/5/2022
2/5/2022	CPI increase in raw steel Price vs the Post-adjustment price for Runner	**REDACTED**	4/5/2022
3/8/2022	Bartletts U1-4 Powerhouse Crane Cost Change	**REDACTED**	4/21/2022
7/6/2022	Lifting and Handling Devices for Unit dis-assembly and re-assembly	**REDACTED**	8/30/2022
4/15/2022	Trash Gate Actuator Variance Post-Control	**REDACTED**	8/30/2022
8/18/2022	Additional Hours Needed to complete Mechanical Design	**REDACTED**	8/30/2022
5/16/2022	I&C Variance for years 2023 thru 2026	**REDACTED**	10/6/2022
9/2/2022	Generator Bearings	**REDACTED**	11/22/2022
11/17/2022	U1 and U2 Baffling in Thrust Tub	**REDACTED**	12/14/2022
8/30/2022	Log Powerhouse Crane – LCP (Lead Containing Paint) Removal and Storage	**REDACTED**	12/2/2022
2/8/2023	GSU PO Reconciliation - Pricing Index Increase	**REDACTED**	2/16/2023
1/11/2023	Bartletts Shear Pin Monitoring Panel Unit 3	**REDACTED**	4/18/2023
3/3/2023	Replacement Stem Nuts for Head Gate Actuators	**REDACTED**	4/18/2023
4/27/2023	Switchyard Relocation - Install of New GSU's (U1 &U3)	**REDACTED**	4/27/2023
5/12/2023	Vertical Generator Shaft Bearing Journals Replacement	**REDACTED**	5/25/2023
7/6/2022	Headcover Sump and Piping Removal	**REDACTED**	5/25/2023
8/18/2022	Tail Race Stop Log	**REDACTED**	5/25/2023
3/8/2023	Spillway Gantry Cranes Upgrade from 575v to 480v	**REDACTED**	5/25/2023
5/24/2023	Turbine Thrust Runner Repair	**REDACTED**	6/14/2023
6/20/2023	Turbine Steel Price Adjustment	**REDACTED**	6/20/2023
6/23/2023	Draft Tube Installation and Wheel Pit Blasting	**REDACTED**	6/23/2023
6/13/2023	New turbine operating rings at Bartletts Units 1 & 2	**REDACTED**	6/28/2023
	12 Other Change Orders (<$100k)	$ 384	Multiple
	Total	$ 21,183	

PUBLIC DISCLOSURE

Nacoochee

Date CO Submitted	Description of Change Order Request	Dollar Amount Requested (1000$)	Date Approved

Oliver

Date CO Submitted	Description of Change Order Request	Dollar Amount Requested (1000$)	Date Approved

Sinclair

Date CO Submitted	Description of Change Order Request	Dollar Amount Requested (1000$)	Date Approved

Burton

Date CO Submitted	Description of Change Order Request	Dollar Amount Requested (1000$)	Date Approved

PUBLIC DISCLOSURE
Procurement Status of Significant Components -- All Received
Project Monitoring Report - June 30, 2023

Total Project Estimate	Unit	Purchase Order Date	Required Delivery Date	Scheduled Delivery Date
Terrora				
Turbine	1&2	Actual 8/20/2019	Actual 9/28/2020	Actual 9/28/2020
Generator	1&2	Actual 11/25/2019	Actual 7/20/2020	Actual 7/20/2020
General Contractor	2	Actual 2/28/2020	Actual 3/19/2019	Actual 3/19/2020
General Contractor	1	Actual 3/22/2021	Actual 12/31/2021	Actual 2/15/2021
Trash Racks	1&2	Actual 7/24/2020	Actual 10/30/2020	Actual 9/1/2020
Governor HPU Skids	1&2	Actual 8/27/2019	Actual 4/15/2020	Actual 8/12/2020
Station Service Transformers	1&2	Actual 8/9/2019	Actual 1/15/2020	Actual 4/10/2020
Switchgear	1&2	Actual 5/20/2020	Actual 11/2/2020	Actual 3/30/2020
Lube Oil Skids	1&2	Actual 8/27/2019	Actual 2/28/2020	Actual 7/21/2020
Batteries	1&2	Actual 1/16/2020	Actual 6/1/2020	Actual 7/6/2020
Generator Step Up Transformer	NA	NA	NA	NA
DCS	1&2	Actual 9/25/2019	Actual 3/31/2020	Actual 7/21/2020

Required Delivery Date reflects contractual requirement for vendor, but not delivery date required to meet commercial operation.

Total Project Estimate	Unit	Purchase Order Date	Required Delivery Date	Scheduled Delivery Date
Tugalo				
Turbine/Generator	1	Actual 12/28/2020	12/31/2020	Actual 3/15/2023
Turbine/Generator	2	Actual 9/16/2021	4/30/2026	12/29/2023
Turbine/Generator	3	Actual 9/16/2021	4/30/2026	6/14/2024
Turbine/Generator	4	Actual 9/16/2021	4/30/2026	12/30/2024
General Contractor	1-4			Actual 4/17/2023
Trash Racks	1-4	Actual 11/11/2021	6/1/2022	Actual 4/19/2023
Governor HPU Skids	1-4	Actual 9/27/2021	7/31/2022	7/26/2024
Station Service Transformers	1-4	Actual 4/21/2021	6/1/2022	Actual 6/8/2022
Switchgear	1-4	Actual 4/7/2021	2/14/2022	Actual 6/8/2022
Lube Oil Skids	NA	NA	NA	NA
Batteries	1-4	Actual 10/4/2021	8/10/2022	8/1/2023
Generator Step Up Transformer		Actual 8/26/2021	8/1/2022	Actual 11/8/2022
DCS Unit 1	1	Actual 3/10/2021	12/31/2022	6/26/2023
Spillway Gates	1-4	Actual 11/11/2021	6/1/2022	6/12/2024

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PUBLIC DISCLOSURE

Total Project Estimate	Unit	Purchase Order Date	Required Delivery Date	Scheduled Delivery Date
Bartletts Ferry 1-4				
Turbine Common	1	Actual 1/4/2021	3/15/2021	Actual 4/14/2023
Turbine Unit 1	1	Actual 6/25/2021	1/2/2023	Actual 4/14/2023
Turbine Unit 2	2	Actual 6/25/2021	1/2/2026	5/13/2025
Turbine Unit 3	3	Actual 6/25/2021	1/2/2024	12/13/2023
Turbine Unit 4	4	Actual 6/25/2021	1/2/2025	10/16/2024
Generator Unit 1	1	Actual 8/11/2022	1/31/2022	5/13/2023
Generator Unit 2	2	Actual 12/20/2022	2/1/2023	2/24/2026
Generator Unit 3	3	Actual 12/20/2022	2/6/2023	2/22/2024
Generator Unit 4	4	Actual 12/20/2022	2/13/2023	2/26/2025
General Contractor				
Trash Racks	1	Actual 11/11/2021	2/1/2022	Actual 8/12/2022
Governor HPU Skid Unit 1	1	Actual 7/27/2022	3/16/2023	7/26/2023
Governor HPU Skid Unit 2	2	Actual 7/27/2022	3/9/2026	7/17/2026
Governor HPU Skid Unit 3	3	Actual 7/27/2022	3/17/2024	7/23/2024
Governor HPU Skid Unit 4	4	Actual 7/27/2022	3/11/2025	7/21/2025
Station Service Transformers		Actual 9/10/2021	1/11/2023	Actual 5/17/2023
Switchgear	1	Actual 5/25/2021	1/18/2023	Actual 6/9/2023
Lube Oil Skids	1	Actual 5/21/2022	7/31/2023	8/10/2023
Lube Oil Skids	2,4	Actual 5/21/2022	7/31/2026	7/31/2025
Lube Oil Skids	3	Actual 5/21/2022	7/31/2024	7/31/2024
Batteries				
Generator Step Up Transformer U1	1	Actual 10/22/2021	3/1/2023	Actual 6/7/2023
Generator Step Up Transformer U2	2	Actual 10/22/2021	3/2/2026	3/6/2026
Generator Step Up Transformer U3	3	Actual 10/22/2021	3/1/2024	3/5/2024
Generator Step Up Transformer U4	4	Actual 10/22/2021	3/3/2025	3/10/2025
DCS	1-4	Actual 10/25/2021	6/16/2023	7/3/2023
Spillway Gate Hoists				
Head Gates & Trash Gates		Actual 4/27/2022	8/31/2022	7/21/2023
Actuators		Actual 3/18/2022	1/19/2023	7/25/2023
Powerhouse Crane		Actual 3/18/2022	1/2/2023	Actual 1/9/2023

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Total Project Estimate	Unit	Purchase Order Date	Required Delivery Date	Scheduled Delivery Date
Nacoochee				
Turbine				5/2/2024
Generator				5/31/2024
General Contractor				4/6/2024
Trash Racks				8/18/2023
Governor HPU Skids Unit 1	1	Actual 9/23/2022	8/8/2024	4/8/2024
Governor HPU Skids Unit 2	2	Actual 9/14/2022	8/8/2025	6/3/2024
Station Service Transformers				8/19/2024
Switchgear				2/27/2024
Lube Oil Skids				4/8/2024
Batteries				4/8/2024
Generator Step Up Transformer	1,2	Actual 9/8/2022	11/30/2023	9/6/2023
DCS Unit 1	1	Actual 12/5/2022	4/30/2024	4/8/2024
DCS Unit 2	2	Actual 12/5/2022	7/31/2024	4/8/2024
Bulk Heads		Actual 12/13/2021	12/31/2022	Actual 1/12/2023
Trash Racks		Actual 9/23/2022	5/1/2023	8/18/2023
Head Gates		Actual 9/23/2022	5/1/2023	8/8/2023

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Trade Secret Nacoochee Schedule 06-30-23 has been redacted in its entirety.

Trade Secret Oliver-Burton-Sinclair Schedule 06-30-23 has been redacted in its entirety.

Trade Secret Tugalo Schedule 06-30-23 has been redacted in its entirety.