

EXHIBIT H

DESCRIPTION OF PROJECT MANAGEMENT AND NEED FOR PROJECT POWER

**STEVENS CREEK HYDROELECTRIC PROJECT
FERC PROJECT NO. 2535**

**APPLICATION FOR NEW LICENSE
FOR MAJOR PROJECT – EXISTING DAM**

**EXHIBIT H
DESCRIPTION OF PROJECT MANAGEMENT AND NEED FOR PROJECT POWER**

Information to be supplied by all applicants for new license:

1. Dominion Energy South Carolina, Inc. (DESC; Licensee or Applicant) intends to continue to operate and maintain the Stevens Creek Hydroelectric Project (Stevens Creek Project) to provide efficient and reliable electric service as described below.
 - a. There are no plans for increasing capacity at the Stevens Creek Project. Potential equipment upgrades were evaluated in a Resource Utilization Study for the Stevens Creek Project (Kleinschmidt 2021). This study concluded that due to the operations of the Stevens Creek Project to function as a re-regulating facility to reduce the high inflow fluctuations caused by the peaking operation of the upstream J. Strom Thurmond (Thurmond Dam) development, there is a limited benefit to increasing capacity.
 - b. The Stevens Creek Project will continue to operate in the future as it has in the past, to reregulate flow from Thurmond Dam which is operated by the U.S. Army Corps of Engineers (USACE). This function provides a relatively continuous flow for the downstream Savannah River users and aquatic habitat. The Stevens Creek Project operators receive a daily projected discharge schedule for Thurmond Dam hydro to operate the plant to minimize pool fluctuations while providing discharges in response to Thurmond Dam's planned schedule and maintaining the Stevens Creek Reservoir between elevations 183.0 feet and 187.5 feet 1929 National Geodetic Vertical Datum (NGVD). The Stevens Creek Project is operated by the Applicant as a base load run-of-river generating capacity. Other than for brief forced outages or scheduled maintenance outages, the Stevens Creek Project generating units provide energy as river flow permits.
 - c. The Applicant provides for the reliability of its electric system by maintaining an adequate reserve margin of supply capacity and by maintaining daily operating reserves to balance the risk that some of the Applicant's generation capacity may be forced offline on any given day because of mechanical failures, wet coal problems, environmental limitations, or other unforeseen events. The Applicant is a member of the Virginia-Carolinas Electric Reliability Council (VACAR), an organization which coordinates a regional reserve sharing system allowing its members to pool their reserve generation resources on a prorated basis. This VACAR Reserve Sharing Arrangement (VRSA) provides a formal mechanism for VACAR members to share reserve capacity.
 - d. The Applicant plans to continue to operate the Stevens Creek Project within its own system, and in coordination with others, as described above, will help minimize the cost of production by providing economical baseload. Continued operation of the Stevens Creek Project is also critical to the Applicant's short- and long-term plans to transition its baseload generation fleet to retire two coal-only facilities and add to the

natural gas fired generation along with the existing gas (both conventional steam and combined cycle), and nuclear assets. Conventional hydro, pump storage, and simple cycle gas turning assets will serve peaking and reserve functions, with additional solar generation also being integrated into the Applicant's system as it comes online.

2. The Applicant's need over short and long term for power generated from the Stevens Creek Project is described as follows:

- a. Reasonable costs and availability of alternate sources of power: There would be three reasonable alternatives to replace the Stevens Creek Project's generation if the Applicant is not provided a license: 1) Construction of a new generator; 2) Redispatch of existing resources; and 3) Off-system purchases. These three are discussed below, including the additional cost of each.
- b. A discussion of the increase in fuel, capital, and operation and maintenance (O&M) costs if the license is not granted: Recent fluctuations in both natural gas and coal prices emphasize the need for hydro generation. The following charts (Figure 1 and Figure 2) demonstrate the recent history of fuel prices. Reliable zero fuel costs resources, such as the Stevens Creek Project, are an important component of a diverse generation mix for all the Applicant's residential, commercial and industrial customers.

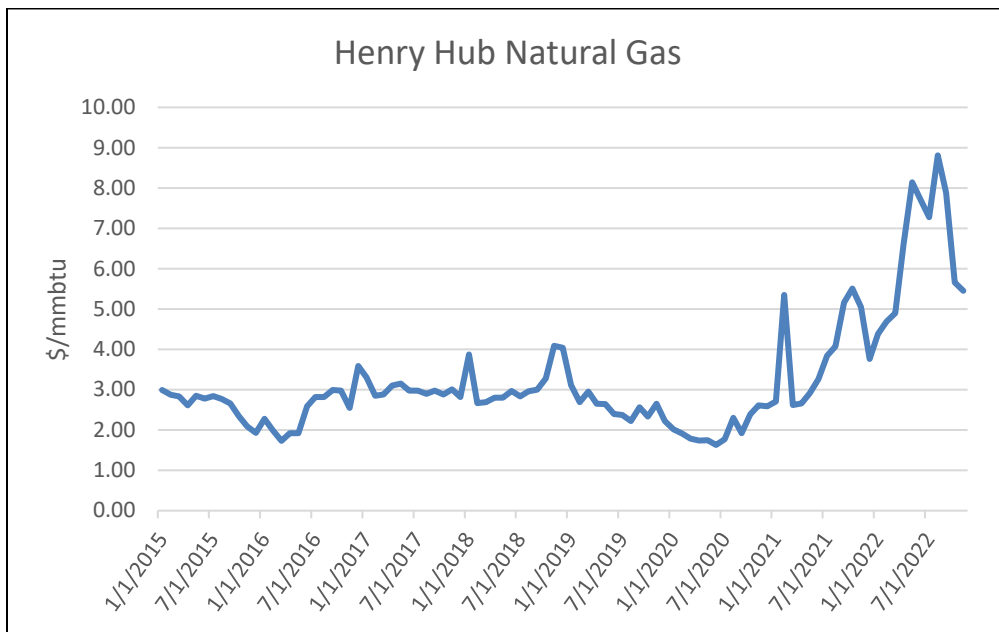


Figure 1 Average Price of Natural Gas (2015-2022)

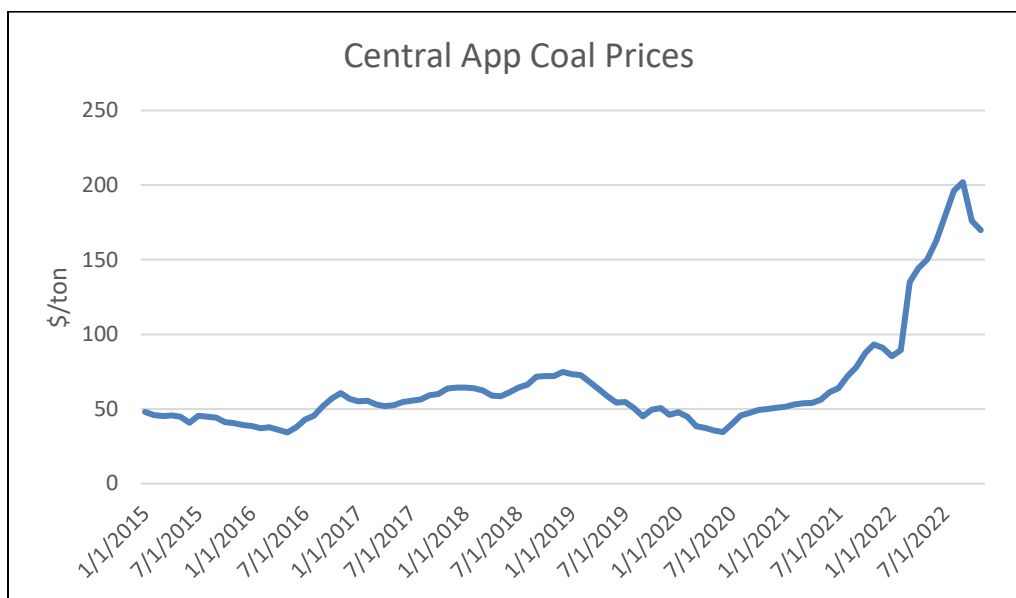


Figure 2 Average Price of Coal (2015-2022)

- c. Effect of each alternative source of power on customers, operation and load characteristics, and communities: The most likely source for alternative power would be construction of a new generator. Alternatively, the Applicant would redispatch existing resources and seek off-system purchases. However, neither of these resources offer the level of reliability obtained from the Stevens Creek Project.

Failure to relicense this hydro facility would have an impact on the supply and cost of energy now available to serve customers on the Applicant's system. Energy that is normally produced by the Stevens Creek Project would have to be replaced from another source at a cost higher than currently represented by this plant. The cost of producing electricity at the Stevens Creek Project, as in the Applicant's other hydro plants, is considerably less than the cost to produce electricity at its most efficient steam plants. The average production cost of the energy delivered to the plant bus at the Stevens Creek Project in 2021 was \$7.60/MWh. The average production cost of the most efficient steam plants on the Applicant's system in 2021 was approximately \$35.80/MWh. (FERC Form 1 filed with FERC on April 18, 2022).

The loss of license for the Stevens Creek Project would result in a loss of tax revenues to the federal, state, and local governments. The governmental entities affected by this loss in revenue would ultimately have to seek a reduction in expenses or an increase in other sources of revenue.

- 3. Data showing need, reasonable cost, and availability of alternate source of power:
 - a. The average annual cost of power produced by the Stevens Creek Project in 2021 was \$7.60 per net MWh (FERC Form 1 filed with the FERC on April 18, 2022).
 - b. Projected resources required to meet short- and long-term capacity and energy requirements are presented in the 2023 Integrated Resource Plan (IRP). The Applicant files a copy of its IRP with the South Carolina Public Service Commission (SCPSC) in accordance with S.C. Code Ann. § 58-37-40 (2015), § 58-33-430, and SCPSC Order No. 98-502. This Plan was filed with SCPSC on January 30, 2023.

- c. For alternative sources of power including generation of additional power at existing facilities, restarting deactivated units, the purchase of power off-system, the construction or purchase and operations of new power plant, and load management measures such as conservation:
- i. The total annual cost of each alternative source of power to replace Stevens Creek Project power (Table 1). Replacement capacity and energy would likely come from one of the following resources (values provided by EIA 2022 AEO). Assuming a size similar to the Stevens Creek Project, the additional costs to customers would be approximated.

Table 1 Alternative Sources of Power to Replace Stevens Creek Project Power

Technology	Size (MW)	Capital Cost (\$/KW)	Variable O&M (\$/MWh)	Fixed O&M (\$/Kw-yr)	Fuel Costs (\$/mmbtu)	Heat rate (Btu/kWh)	All in Cost (\$/MWh)	Annual Costs (\$)
Internal Combustion Engine	18	\$2,018	\$5.96	\$36.81	6.00	8295	\$408.28	\$6,437,806
CT Aeroderivative	18	\$1,294	\$4.92	\$17.06	4.00	9124	\$260.01	\$4,099,889
CT Frame	18	\$785	\$4.71	\$7.33	4.00	9905	\$173.49	\$2,735,659
Solar	18	\$1,327	\$0.00	\$15.97	0.00	0	\$90.91	\$3,583,728

If the Stevens Creek Project energy is replaced by a mix of current resources, the additional costs would be as follows:

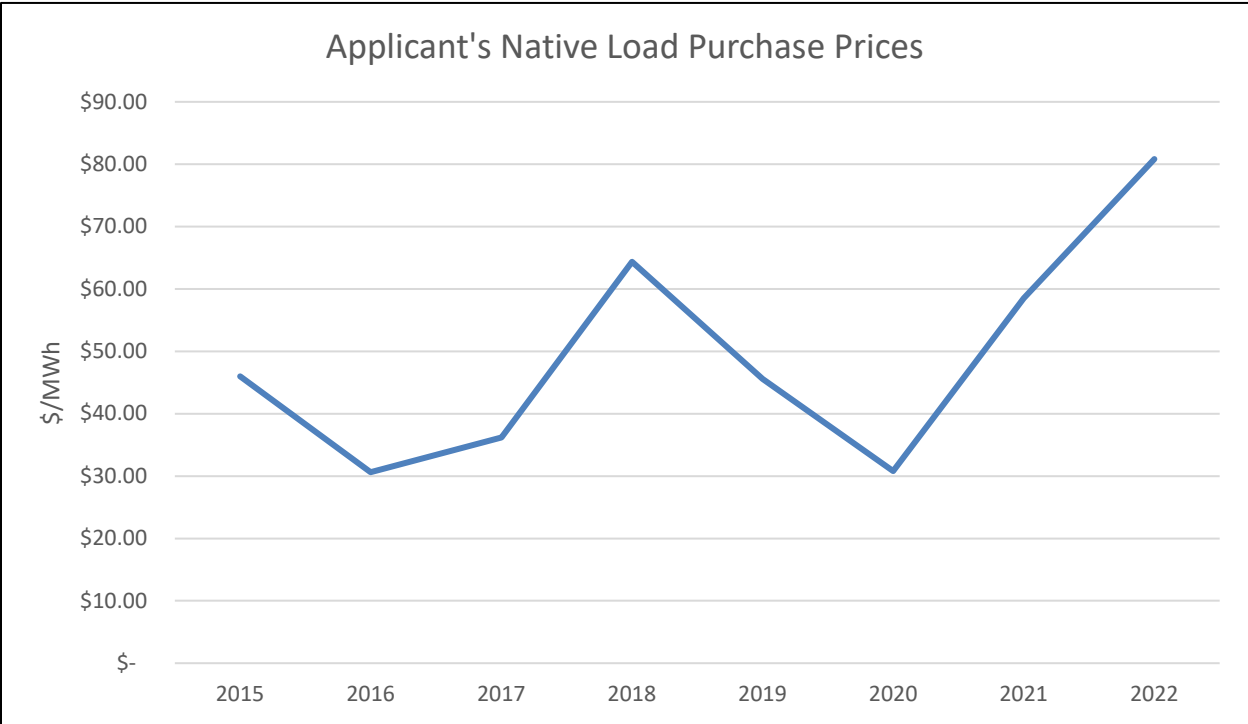
Table 2 Annual Cost to Replace Stevens Creek Project Power

	Stevens Creek Avg Generation (MWh)	System Marginal Costs (\$/MWh)	Annual Costs (\$)
2023	65,947	63.19	4,167,191
2024	65,947	55.70	3,673,248
2025	65,947	43.27	2,853,527
2026	65,947	41.28	2,722,292
2027	65,947	36.94	2,436,082
2028	65,947	36.44	2,403,109
2029	65,947	38.98	2,570,614
2030	65,947	45.26	2,984,761
2031	65,947	48.03	3,167,434
2032	65,947	47.85	3,155,564
2033	65,947	49.41	3,258,441
2034	65,947	64.46	4,250,944
2035	65,947	53.12	3,503,105

	Stevens Creek Avg Generation (MWh)	System Marginal Costs (\$/MWh)	Annual Costs (\$)
2036	65,947	58.58	3,863,175
2037	65,947	57.39	3,784,698

If the Stevens Creek Project energy had been replaced by off system purchases during 2015 through 2022 it would have been at the average purchase cost as indicated in Figure 3. For 2022 an average purchase price of \$80.82/MWh would have increased system costs by \$5,329,836 using average annual Stevens Creek Project generation.

Figure 3 Native Load Purchase Prices (2015-2022)



For 2015 through 2022, the additional system costs from off-system purchases based on actual Stevens Creek Project generation would have been as indicated in Table 3, if the Stevens Creek Project had not been available:

Table 3 Additional System Costs with Stevens Creek Project Absence (2015-2022)

Year	Average Off-System Purchase Cost (\$/MWh)	Stevens Creek Generation (MWh)	Total Off-System Replacement Cost (\$)
2015	46.00	64,962	2,988,252
2016	30.62	57,309	1,754,802
2017	36.19	44,037	1,593,699
2018	64.35	59,662	3,839,250
2019	45.58	82,955	3,781,089
2020	30.80	99,276	3,057,701
2021	58.52	87,081	5,095,980
2022	80.82	--	--

- ii. The basis for the determination of projected annual cost: For new resources, the basis of the annual costs is the U.S. Energy Information Administration’s Annual Energy Outlook 2022. For replacement of power using existing resources, the projection of system marginal costs in the Applicant’s PLEXOS forecasting model. For projection of off-system purchase costs, the 15-year average Stevens Creek Project generation and Applicant’s 2022 average off-system purchase cost.

- iii. The relative merits of each alternative, including the issues of the period of availability and dependability of purchased power, average life of alternatives, relative equivalent availability of generating alternatives, and relative impacts on the applicant’s power system reliability and other system operating characteristics: The Stevens Creek Project provides flexible power generation and capacity for the Applicant’s system and to meet the Applicant’s reserve share obligation under the VRSA. The Stevens Creek Project is critical to maintaining the reliability of the Applicant’s system as well as contributing to the reliability of the regional transmission grid. Should a new license for the Stevens Creek Project not be granted, the project’s generation and capacity would have to be replaced by off system power purchases, constructing new generation facilities, redispatch of existing resources, or some combination of the three.

Alternative 1: Construction of new resources

Construction of new resources provides the system with the greatest level of reliability, reserves, capacity, and energy. The challenge for construction of new resources are issues related to siting, supply chain availability, and time to construct. The cost of financing, constructing, operating, and maintaining such facilities would increase the cost of power to the Applicant’s wholesale, residential, commercial, military, and industrial customers.

Alternative 2: Redispatch of existing resources

Redispatch of existing resources is the easiest to implement but does not address the loss of capacity needed for system planning reserve margin. It also does not address the loss of system operating reserves.

Alternative 3: Off-system purchases

Off-system purchases provide the lowest level of reliability since the Applicant is turning to other utilities and suppliers to provide the needed resources. These resources are subject to curtailment. Off-system purchases must also rely on transmission interconnection availability which is also subject to being curtailed.

- d. The effect on the direct providers (and their immediate customers) of alternate sources of power. If any of the alternative sources discussed above were to be utilized, there would be an increase to the cost of power to the Applicant's wholesale, residential, commercial, military, and industrial customers.
4. Use of power for Applicant's own industrial facilities: The Applicant is an investor-owned utility and has no non-utility industrial facilities to be affected by loss of electricity from the Stevens Creek Project.
5. Need for Project to foster the purpose of an Indian Tribal Reservation: The Applicant is not an Indian Tribe and does not use the electricity generated by the Stevens Creek Project to foster the purposes of a reservation.
6. Impact on the operation and planning of transmission system of receiving or not receiving license: The Stevens Creek Project is an important resource for meeting the Reliability Standards of the North American Electric Reliability Corporation (NERC) for interconnected-systems operation, in particular Standard BAL-001 – Real Power Balancing Control Performance and Standard BAL-002 – Disturbance Control Performance. These Standards include requirements for balancing load and generation, maintaining steady-state frequency and provide for operating reserves and frequency regulation to address the resolution of inadvertent interchange between electric systems or conditions of insufficient generation resources. The NERC has developed and adopted these Standards for the planning and operation of the bulk electric system through the cooperative efforts of its member utilities. The NERC's Regional Entities have initiated requirements to assess and enforce compliance with NERC Reliability Standards. Enforcement of the Standards developed by NERC has been assigned to the SERC Reliability Corporation (SERC), a Regional Entity of NERC. The Applicant is a registered entity of SERC.

If hydroelectric operations at this facility were to be discontinued, in the short term the Applicant would be required to utilize other generation sources to maintain these and other related operational Standards specified by NERC. The effect on the Applicant's transmission system operation and planning would vary depending upon the generation sources available and their proximity to load centers on the Applicant's system. The potential cost impact of these system modifications would depend on the particular site(s) chosen and their proximity to load centers and system interconnection points. Transmission costs associated with new generation has been estimated by the Applicant's Transmission Planning group to be \$18.29 per installed KW of capacity, or approximately \$329,220 in transmission costs associated with replacing the Stevens Creek Hydroelectric plant with new base load generation on the Applicant's system based on 18 MW. This cost per installed KW is an estimate and made without knowing where any future replacement generation would be located or how it would be connected to the Applicant's existing system.

Single-line diagrams are included in Exhibit A of this application.

7. Proposed changes to the Project facilities or operations: Other than proposed recreation site improvements, which will be identified in greater detail in the Final License Application, the

applicant has no plans to modify existing project facilities or operations of the Stevens Creek Project.

8. Conformance with Comprehensive Plans for Improving or Developing the Waterway: The Applicant has reviewed approved comprehensive plans for the waterway, as defined in section 10(a)(1) of the Federal Power Act, as further discussed in Exhibit E of this application.
9. The Applicant's financial and personnel resources to meet its obligations under a new license are as follows: The Applicant has adequate personnel resources to continue to operate and maintain the Stevens Creek Project in accordance with the provisions of the license. The permanent staff at the Stevens Creek Project consists of three operator-repairmen, who are on site eight hours per day, five days per week, and perform plant checks on weekends and holidays. In addition, the Applicant can provide additional personnel from its other electric generating facilities in the event of emergencies or major maintenance outages. The Stevens Creek Project personnel receive on-the-job and other in-house training to prepare them to safely operate and maintain the plant, including training for response to environmental and other emergencies. The Applicant's financial resources to meet its obligations under the new license are further detailed in Exhibit D, which will be filed with the FLA.
10. Proposed changes to the Project boundary: The Applicant has no proposed changes to the Stevens Creek Project boundary.
11. Statement of energy conservation programs and measures and compliance with applicable regulatory requirements: The Applicant is actively involved in a number of programs to improve the efficiency of electricity generation and consumption on its power system. The Energy Efficiency/Demand Side Management (EE/DSM) portfolio offers a variety of programs and services available to eligible residential and business customers which includes seven residential programs and three commercial and industrial programs designed to encourage customers to reduce their energy usage and provide energy education. These programs can be divided into two major categories: Energy Efficiency/Demand Side Management Programs and Load Management Programs (which include Standby Generator, Interruptible Load, Real Time Pricing Rate, Time of Use Rates, and Winter Peak Clipping programs). Since the inception of the EE/DSM programs, the Applicant has invested over \$163 million dollars in energy efficiency and reported reduced electricity usage by more than 992,000 megawatt hours.

As a corporation organized and existing under the laws of the State of South Carolina, the Applicant must comply with the policies of the Public Service Commission of South Carolina regarding energy conservation/DSM programs. Pursuant to S.C. Code Ann. § 58-37-20 and S.C. Code Ann. Regs. 103- 819 and 103-825, and in compliance with Public Service Commission of South Carolina, the Applicant submits annual updates to the Commission concerning the current status of the Applicant's demand reduction and energy efficiency/DSM programs. The January 2023 filing includes the most significant aspects of program development and implementation approach for each of the approved EE/DSM programs in Appendix A (SC PSC 2023a). Additionally, the Applicant files a copy of its Integrated Resource Plan (IRP) with the Commission in accordance with S.C. Code Ann. § 58-37-40 (2015), § 58-33-430, and SCPSC Order No. 98-502. A copy of the 2023 IRP (SC PSC 2023b) was filed on January 30, 2023. Within the 2023 IRP, a section titled "The 2023 DSM Potential Study" found on page pg. 14, describes the Applicant's recent activities relating to the development of the next set of DSM programs and the DSM modeling assumptions used within the 2023 IRP are explained on page 49. The 2023 DSM Potential Study can also be found in the same link provided for the 2023 IRP.

12. Indian tribes with land on the Project or who would be affected by the Project: There are no Native American Tribes with land within the Stevens Creek Project boundary. However, on August 2, 2019, federally recognized Native American Tribes were contacted by mail to determine if they wished to be consulting parties for the relicensing of the Stevens Creek Project. Contact information for the tribes contacted is contained in the Initial Statement. The responses of the tribes who were contacted are summarized below in Table 4.

Table 4 Consultation Response from Federally Recognized Native American Tribes with Potential Interest in the Stevens Creek Project

<i>Native American Tribe</i>	<i>Response/Status</i>
Absentee-Shawnee Tribe	No Response
Catawba Nation	Consulting Party
Cherokee Nation	Consulting Party
Chickasaw Nation	Not interested in being a consulting party
Choctaw Nation of Oklahoma	No Response
Eastern Band of Cherokee Indians	No Response
Eastern Shawnee Tribe of Oklahoma	No Response.
Muscogee (Creek) Nation	Consulting Party
Poarch Band of Creek Indians	No Response
Santee Sioux Tribe of Nebraska	No Response

Kleinschmidt Associates. 2021. Resource Utilization Study for the Stevens Creek Hydroelectric Project. Prepared for Dominion Energy South Carolina, Inc.

South Carolina Public Service Commission (SC PSC) Docket Management System. 2023a. Detail for 2023-42-E: Dominion Energy South Carolina, Inc.'s Annual Update on Demand Side Management Programs and Petition to Update Rider. [Online] URL: <https://dms.psc.sc.gov/Web/Dockets/Detail/118470>. Accessed March 2023.

SC PSC Docket Management System. 2023b. Detail for 2023-9-E: Dominion Energy South Carolina, Incorporated's 2023 Integrated Resource Plan (IRP). [Online] URL: <https://dms.psc.sc.gov/Web/Dockets/Detail/118060>. Accessed March 2023.

INFORMATION REQUIRED FROM EXISTING LICENSEES

1. Responses to the information specified in 18 CFR §16.10(a) has been provided in the preceding paragraphs.
2. The Applicant has taken measures to ensure safe management, operation, and maintenance of the Stevens Creek Project, and will continue to do so in the future, as described below.
 - a. Operation during flood conditions: The Stevens Creek Project Operating Plan was developed according to Articles 402 and 403 of the current FERC license which was issued November 22, 1995. In Section IV. A. 1. of the Operating Plan Rev. 3 dated May 2018, flood conditions are identified as flow greater than 30,000 cubic feet per second (cfs). During periods of sustained flows of greater than 30,000 cfs from the Savannah River and Stevens Creek, the Stevens Creek Project will generate to its full capability (~8,300 cfs), while spilling all additional flow over the 2,000-foot-long overflow section of the dam (flashboards will be tripped). In this situation, all water coming down the Savannah River passes directly through the Stevens Creek Reservoir. The reservoir elevation may exceed elevation 187.5 feet, depending upon the volume of flow at any given time. If the reservoir and river elevation reach a level which threatens to flood the plant, operation will cease, and personnel will evacuate the plant. At this point, all river flow will be discharged over the spillway. When river flow returns to a level controllable by normal operation at Thurmond Dam, the Stevens Creek Reservoir will be drawn down to about elevation 183.5 feet so that flashboards can be reset. Normal operation of the Stevens Creek Project will resume when any damage to the plant has been repaired and flashboards have been reset.

A high flow event is identified as inflow of 8,300 cfs to 30,000 cfs. During periods of sustained high flow in the Savannah River, the Stevens Creek Project will generate to its full capability (~8,300 cfs), while spilling all additional flow over the 2,000-foot-long overflow section of the dam (some flashboards will be tripped). In this situation, all water coming down the Savannah River passes directly through the Stevens Creek Reservoir. The reservoir elevation may exceed elevation 187.5 feet, depending upon the volume and duration of the high flow. When river flow returns to a level controllable by normal operation at Thurmond Dam, the Stevens Creek Reservoir will be drawn down to about elevation 183.5 feet so that flashboards can be reset. Normal operation of the Stevens Creek Project will resume when the flashboards have been reset.

- b. Warning devices used to ensure downstream public safety: The Stevens Creek Project has warning signs located above and around the dam and powerhouse to notify the public of the hazards. However, no audible devices are used at the Stevens Creek Project as warning notifications. The public safety signage is identified in the Public Safety Plan as required by FERC.
- c. Emergency Action Plan: The Applicant maintains an up-to-date Emergency Action Plan (EAP) for the Stevens Creek Project in accordance with FERC requirements. Annual training and drills are conducted, and tabletop and functional exercises are conducted on a five-year schedule. The last full reprint of the Stevens Creek Project EAP was issued in 2020, with an annual update issued in 2021. The next full reprint will be issued in 2025.

The EAP Coordinator conducts annual refresher training each year, and a statement of annual training, including a list of attendees, is filed with the FERC Atlanta Regional Office (ARO) each year. Annual refresher training includes general discussion of the

reasons for having an EAP, routine surveillance, identification and verification of the existence and type of emergencies, the proper initial notification procedures, and follow-up communications with contacted persons. Changes to the EAP from the previous year are emphasized. A review of the Dam Emergency Notification System (DENS) is conducted, and manual backup call procedures are also discussed. The DENS is an automated call out system activated by the Applicant's Corporate Security Response Center (CSRC) staff, who are on duty 24 hours per day 7 days per week. The system is programmed with current contact numbers and e-mail addresses for internal and external personnel and agencies who are to be notified in the event of a dam related emergency. The DENS is tested annually to confirm that all necessary notifications can be made. A drill scenario simulating an emergency condition is presented to plant personnel, who then simulate the steps of verification of the emergency and then follow up with notification calls to all necessary parties, including the CSRC, who then verifies the caller's identity and activates the DENS.

The most recent tabletop and functional exercises were conducted in 2022. These exercises are coordinated with the Edgefield County, Aiken County, and the State of South Carolina Emergency Management Agencies as well as with the Columbia County, Richmond County, and the State of Georgia Emergency Management Agencies in order to enhance the realism of the exercise and to ensure that the EAP could be successfully executed in an actual emergency.

All aspects of this EAP are reviewed annually and updated as necessary. In addition, the EAP is updated whenever organizational changes occur within Applicant staff, and when Applicant is made aware of other necessary changes, such as new contact persons or telephone numbers. All holders of the EAP are furnished these updates and are required to confirm their receipt. EAP Status Reports are submitted annually to the FERC ARO.

- d. Monitoring devices: The Stevens Creek Project has four load cells: three to monitor the performance of post-tensioned anchors installed in the spillway in 2002 and one to monitor the 2002 anchors installed in the left non-overflow structure. The left non-overflow load cell is manually read once a year by accessing the section on foot from the left abutment area. The spillway load cells are manually read every 5 years, river flows permitting, by accessing them from a boat on the upstream side of the flashboards. The Stevens Creek Project is observed daily by the plant operators and is visually inspected monthly by a Dam Safety technician or engineer visiting the site and physically observing the condition of the dam and surrounding areas. The Applicant maintains a Surveillance and Monitoring Program and files an annual Dam Safety Surveillance and Monitoring Report (DSSMR) with the FERC ARO.
 - e. Employee and Public Safety: One first aid incident occurred at the plant on March 23, 2009, and no other employee incidents have occurred to date. Public Safety events resulting in injury or death within the Stevens Creek Project Boundary recorded one incident on May 26, 2015, when two individuals in a failed motorboat were swept over the dam. They were rescued by the local Fire Department and no injuries were sustained.
3. Description of Current Operation of Project: The Stevens Creek Project operates as a re-regulating plant, mitigating the downstream effects of the routinely wide-ranging discharges due to the peaking operation from the upstream U.S. Army Corps of Engineers' Thurmond Dam hydroelectric plant. Typical dispatch practices are to have all available turbines on and to adjust generation to re-regulated projected inflows. By dispatching all available units,

DESC can remotely increase and decrease online turbines' gate settings to adjust flow releases as needed throughout the daily cycle, precluding the need to start and stop individual turbine units. The operating range for the Stevens Creek reservoir is 183.0 feet to 187.5 feet, using available storage capacity for day-to-day operations. The normal operating discharge target range for Stevens Creek is to provide an hourly discharge of +/- 15 percent of the scheduled daily average discharge from Thurmond, if the actual discharge from Thurmond is within 500 CFS of the scheduled discharge. The plant generates as a baseload facility.

4. Discussion of the history of the project and record of programs to upgrade the operation and maintenance of the Project: The construction history of the Stevens Creek Project is presented in Exhibit C.
5. Summary of any generation lost at the Project over the last five years because of unscheduled outages: See table below for dates from January 1, 2018 to December 31, 2022.

Table 5 Summary of Generation Loss at the Stevens Creek Project (2018-2022)

Event #	Started	Completed	Duration (hr)	Description	Probable Cause / Corrective Action
Unit 1					
1	1/1/2018 1:00:00 PM	1/2/2018 1:00:00 PM	24.00	Low Oil Pressure	
2	3/24/2018 12:00:00 AM	3/24/2018 2:00:00 AM	2.00	Line Default	Restarted the unit.
3	8/7/2018 6:20:00 PM	8/7/2018 7:20:00 PM	1.00	Storm	Storm caused plant trip.
4	10/11/2018 4:00:00 AM	10/11/2018 6:00:00 AM	2.00	Storm	Storm - Put back on line
5	10/15/2018 10:00:00 AM	10/15/2018 2:00:00 PM	4.00	Electrical Problems	Electrical -Put back on line
6	10/22/2018 2:00:00 AM	10/24/2018 9:00:00 AM	55.00	Electrical Problems	Electrical Problems-Put back on line
1	4/19/2019 1:30:00 PM	4/19/2019 2:30:00 PM	1.00	Storm	Storm Unit placed back on line
2	4/27/2019 11:00:00 PM	4/28/2019 12:00:00 AM	1.00	Storm	Storm-Line Default-Placed unit back on line.
8	10/10/2019 9:00:00 AM	10/10/2019 10:00:00 AM	1.00	Exciter Brushes	Replaced exciter brushes.
1	1/4/2020 9:00:00 PM	1/4/2020 10:00:00 PM	1.00	Weather	Reset and restarted the unit.
2	1/9/2020 10:45:00 AM	1/9/2020 11:45:00 AM	1.00	Clean Intake	Cleaned river debris from intake. Placed back on line.
5	8/3/2020 8:27:00 PM	8/3/2020 10:27:00 PM	2.00	Generator Differential-Storm	The storm caused a relay differential.
7	8/6/2020 11:00:00 PM	8/7/2020 11:00:00 AM	12.00	Transformer Failure	Transformer failed. Replaced.
9	9/12/2020 4:00:00 PM	9/12/2020 5:00:00 PM	1.00	Storm-High Winds	Storm-High Winds
10	10/9/2020 4:00:00 PM	10/9/2020 5:00:00 PM	1.00	Low Oil Pressure	Low Oil Pressure. Reset.

Event #	Started	Completed	Duration (hr)	Description	Probable Cause / Corrective Action
1	6/20/2021 11:00:00 AM	6/20/2021 1:00:00 PM	2.00	Storm	Unit tripped due to the storm. Put back on line.
3	7/18/2021 8:30:00 PM	7/18/2021 9:30:00 PM	1.00	Storm	Differential Relay tripped due to storm. Restarted unit.
2	3/12/2022 6:00:00 PM	3/12/2022 8:00:00 PM	2.00	Line Fault	Line Fault due to weather. Unit placed back on line.
3	3/15/2022 6:30:00 PM	3/15/2022 7:00:00 PM	0.50	Line Fault	Line Fault on 46kv line due to weather. Unit placed back on line.
4	5/22/2022 8:15:00 AM	5/22/2022 9:22:00 AM	1.12	Line Differential	Unit placed back in service.
5	5/24/2022 11:00:00 AM	5/24/2022 12:30:00 PM	1.50	Line Fault	Line fault caused generator differential trip. Reset unit.
6	6/17/2022 5:45:00 PM	6/17/2022 6:45:00 PM	1.00	Storm	Unit placed back in-service.
9	8/21/2022 10:30:00 AM	8/21/2022 11:30:00 AM	1.00	Line Fault	Line fault caused generator differential trip. Reset unit.
10	11/11/2022 1:30:00 PM	11/11/2022 3:00:00 PM	1.50	Electrical failure	Electrical Failure due to AC Water leak- put unit back online
		Unit 1 Totals:	120.62		
Unit 2					
1	3/24/2018 12:00:00 AM	3/24/2018 2:00:00 AM	2.00	Line Default	Restarted the unit.
2	8/7/2018 6:20:00 PM	8/7/2018 7:20:00 PM	1.00	Storm	Storm caused plant trip.
3	9/28/2018 6:00:00 AM	9/28/2018 7:00:00 AM	1.00	Hydraulic Leak	Replaced hydraulic hose.
4	10/11/2018 4:00:00 AM	10/11/2018 6:00:00 AM	2.00	Storm	Storm- Put Unit back on line
5	10/12/2018 8:45:00 AM	10/12/2018 10:45:00 AM	2.00	Oil Pressure	Oil Pressure -Repaired Placed back on line
6	10/16/2018 10:15:00 AM	10/16/2018 2:15:00 PM	4.00	Oil Pressure	Oil Pressure Inspected Placed back on Line
1	2/12/2019 11:00:00 PM	2/28/2019 11:59:59 PM	385.00	Field Breaker Trip	Field breaker tripped unit. Breaker repaired.
1	3/1/2019 12:00:00 AM	3/8/2019 8:00:00 AM	176.00	Field Breaker Trip	Field breaker tripped unit. Breaker repaired.
2	4/19/2019 1:30:00 PM	4/19/2019 2:30:00 PM	1.00	Storm	Storm- Placed unit back on line.
3	4/27/2019 11:00:00 PM	4/28/2019 12:00:00 AM	1.00	Storm	Storm-Line default-Placed Unit back on line
1	1/4/2020 9:00:00 PM	1/4/2020 10:00:00 PM	1.00	Weather	Reset and restarted the unit.
4	8/3/2020 8:30:00 PM	8/3/2020 10:30:00 PM	2.00	Generator Differential-Storm	The storm caused a relay differential.

Event #	Started	Completed	Duration (hr)	Description	Probable Cause / Corrective Action
5	8/5/2020 2:00:00 PM	8/5/2020 4:00:00 PM	2.00	Generator Differential-Storm	The storm caused a relay differential. Unit is back on line.
6	8/6/2020 11:00:00 PM	8/7/2020 11:00:00 AM	12.00	Transformer Failure	Transformer failed. Replaced.
1	1/12/2021 6:00:00 AM	1/12/2021 11:00:00 AM	5.00	Low Nitrogen	Added nitrogen and replaced the bladder.
2	2/12/2021 9:00:00 AM	2/12/2021 11:00:00 AM	2.00	Bladder Issues	Changed bladder.
3	3/17/2021 3:30:00 AM	3/17/2021 10:30:00 AM	7.00	Low Nitrogen	Added Nitrogen.
4	4/15/2021 10:00:00 PM	4/15/2021 11:00:00 PM	1.00	Low Nitrogen	Added Nitrogen.
5	6/20/2021 11:00:00 AM	6/20/2021 1:00:00 PM	2.00	Storm	Unit tripped due to the storm. Put back on line.
7	7/8/2021 9:30:00 PM	7/8/2021 10:30:00 PM	1.00	Low Nitrogen	Added nitrogen.
8	7/18/2021 8:30:00 PM	7/18/2021 9:30:00 PM	1.00	Storm	Differential Relay tripped due to storm. Restarted unit.
9	7/29/2021 9:00:00 PM	7/30/2021 9:00:00 AM	12.00	Exciter Brushes	Changed brushes out and put back on line.
1	3/15/2022 6:30:00 PM	3/17/2022 1:45:00 PM	43.25	Line Fault	Line fault caused generator differential trip. Reset unit.
2	4/6/2022 7:15:00 PM	4/6/2022 8:15:00 PM	1.00	Line Fault on 46kv Line	fault on 46kv due to generator differential. Unit placed back on line.
3	5/16/2022 5:50:00 AM	5/16/2022 6:30:00 AM	0.67	Line Fault	Line fault caused generator differential trip. Reset unit.
4	5/22/2022 8:15:00 AM	5/22/2022 9:22:00 AM	1.12	Line Differential	Unit placed back in service.
5	5/24/2022 11:00:00 AM	5/24/2022 12:30:00 PM	1.50	Line Fault	Line fault caused generator differential trip. Reset unit.
6	6/17/2022 5:45:00 PM	6/17/2022 6:45:00 PM	1.00	Storm	Unit placed back in service.
7	6/17/2022 9:45:00 PM	6/17/2022 10:45:00 PM	1.00	Storm	Unit placed back in service.
11	8/21/2022 10:30:00 AM	8/21/2022 11:30:00 AM	1.00	Line Fault	Line fault caused generator differential trip. Reset unit.
11	12/23/2022 7:00:00 AM	12/23/2022 10:00:00 AM	3.00	Line Fault	Line fault caused generator differential trip. Reset unit.
		Unit 2 Totals:	676.54		
Unit 3					
2	8/7/2018 6:20:00 PM	8/7/2018 7:20:00 PM	1.00	Storm	Storm caused plant trip.
3	8/14/2018 10:00:00 AM	8/15/2018 12:00:00 PM	26.00	Relay Department Trip	Tripped by relay department.
4	10/11/2018 6:00:00 AM	10/17/2018 2:00:00 PM	152.00	Storm-Excitor	Storm-Excitor damaged

Event #	Started	Completed	Duration (hr)	Description	Probable Cause / Corrective Action
1	4/19/2019 1:30:00 PM	4/19/2019 2:30:00 PM	1.00	Storm	Storm-Line Default-Placed on line.
2	4/27/2019 11:00:00 PM	4/28/2019 12:00:00 AM	1.00	Storm	Storm- Line default- Placed on line.
1	1/4/2020 9:00:00 PM	1/6/2020 3:00:00 PM	42.00	Weather	Reset and restarted the unit.
3	4/13/2020 5:00:00 AM	4/13/2020 7:00:00 AM	2.00	Storms/High Winds	Put unit back on line.
5	8/5/2020 12:00:00 PM	8/6/2020 11:00:00 AM	23.00	Generator Relay Issues	Generator relay stuck. Repaired.
9	12/14/2020 8:00:00 AM	12/14/2020 10:00:00 AM	2.00	Oil Pressure	Oil pressure low(Changed filter)
1	3/4/2021 11:00:00 AM	3/5/2021 10:00:00 AM	23.00	Pressure Relief Valve	Replaced pressure relief valve.
5	7/18/2021 8:30:00 PM	7/18/2021 9:30:00 PM	1.00	Storm	Differential Relay tripped due to storm. Restarted unit.
3	3/15/2022 6:30:00 PM	3/16/2022 8:30:00 PM	26.00	Line Fault	Line fault caused generator differential trip. Reset unit.
4	6/17/2022 5:45:00 PM	6/17/2022 7:45:00 PM	2.00	Storm	Unit placed back in-service.
		Unit 3 Totals:	302.00		
Unit 4					
1	2/4/2018 11:00:00 AM	2/5/2018 11:00:00 AM	24.00	Low Nitrogen	Low Nitrogen. Added Nitrogen.
2	3/24/2018 12:00:00 AM	3/24/2018 2:00:00 AM	2.00	Line Default	Restarted the unit.
3	6/13/2018 8:20:00 AM	6/13/2018 9:20:00 AM	1.00	Replaced Brushes	Replaced brushes.
4	8/7/2018 6:20:00 PM	8/7/2018 7:20:00 PM	1.00	Storm	Storm caused plant trip.
1	4/19/2019 1:30:00 PM	4/19/2019 2:30:00 PM	1.00	Storm	Storm
2	4/26/2019 5:30:00 PM	4/26/2019 6:30:00 PM	1.00	Storm	Storm-Placed back on line.
2	4/27/2019 11:00:00 PM	4/28/2019 12:00:00 AM	1.00	Storm	Storm-Line Default Placed back on line.
4	7/3/2019 9:00:00 AM	7/3/2019 10:00:00 AM	1.00	Generator Differential Relay	Generator Differential Relay
11	10/7/2019 11:00:00 AM	10/7/2019 2:00:00 PM	3.00	Trash Rake	Cleaned trash rake and put back online.
1	1/4/2020 9:00:00 PM	1/4/2020 10:00:00 PM	1.00	Weather	Reset and restarted the unit.
3	4/13/2020 5:00:00 AM	4/13/2020 7:00:00 AM	2.00	Storms/High Winds	Put unit back on line.
5	7/30/2020 6:00:00 PM	7/30/2020 7:00:00 PM	1.00	Storm/Severe Lightning	Storm - severe lightning. Unit back on line.

Event #	Started	Completed	Duration (hr)	Description	Probable Cause / Corrective Action
6	8/3/2020 8:27:00 PM	8/3/2020 10:27:00 PM	2.00	Generator Differential, Storm	The storm caused a relay differential.
8	8/6/2020 11:00:00 PM	8/7/2020 11:00:00 AM	12.00	Transformer Failure	Transformer failed. Replaced.
11	9/12/2020 4:00:00 PM	9/14/2020 9:00:00 AM	41.00	Breaker Issues	Breaker spring failed to charge. Repaired.
1	6/20/2021 11:00:00 AM	6/20/2021 1:00:00 PM	2.00	Storm	Unit tripped due to the storm. Put back on line.
3	7/18/2021 8:30:00 PM	7/18/2021 9:30:00 PM	1.00	Storm	Differential Relay tripped due to storm. Restarted unit.
6	11/14/2021 11:00:00 AM	11/30/2021 11:59:59 PM	397.00	Thrust Bearing Failure	Repairing bearing.
6	12/1/2021 12:00:00 AM	12/31/2021 11:59:59 PM	744.00	Thrust Bearing Failure	Repairing bearing.
1	1/1/2022 12:00:00 AM	1/31/2022 11:59:59 PM	744.00	Thrust Bearing Failure	Repairing bearing.
1	2/1/2022 12:00:00 AM	2/28/2022 11:59:59 PM	672.00	Thrust Bearing Failure	Repairing bearing.
1	3/1/2022 12:00:00 AM	3/31/2022 11:59:59 PM	743.00	Thrust Bearing Failure	Repairing bearing.
1	4/1/2022 12:00:00 AM	4/30/2022 11:59:59 PM	720.00	Thrust Bearing Failure	Repairing bearing.
1	5/1/2022 12:00:00 AM	5/31/2022 11:59:59 PM	744.00	Thrust Bearing Failure	Repairing bearing.
1	6/1/2022 12:00:00 AM	6/30/2022 11:59:59 PM	720.00	Thrust Bearing Failure	Repairing bearing.
1	7/1/2022 12:00:00 AM	7/31/2022 11:59:59 PM	744.00	Thrust Bearing Failure	Repairing bearing.
1	8/1/2022 12:00:00 AM	8/31/2022 11:59:59 PM	744.00	Thrust Bearing Failure	Repairing bearing.
1	9/1/2022 12:00:00 AM	9/30/2022 11:59:59 PM	720.00	Thrust Bearing Failure	Repairing bearing.
1	10/1/2022 12:00:00 AM	10/31/2022 11:59:59 PM	744.00	Thrust Bearing Failure	Repairing bearing.
1	11/1/2022 12:00:00 AM	11/30/2022 11:59:59 PM	721.00	Thrust Bearing Failure	Repairing bearing.
1	12/1/2022 12:00:00 AM	12/31/2022 11:59:59 PM	744.00	Thrust Bearing Failure	Repairing bearing.

Event #	Started	Completed	Duration (hr)	Description	Probable Cause / Corrective Action
		Unit 4 Totals:	9,998.00		
Unit 5					
1	3/24/2018 12:00:00 AM	3/24/2018 2:00:00 AM	2.00	Line Default	Restarted the unit.
2	8/7/2018 6:20:00 PM	8/7/2018 7:20:00 PM	1.00	Storm	Storm caused plant trip.
3	10/11/2018 4:00:00 AM	10/11/2018 6:00:00 AM	2.00	Storm	Storm-Put Units back on Line
2	4/19/2019 1:30:00 PM	4/19/2019 2:30:00 PM	1.00	Storm	Storm Placed Unit back on line
3	4/27/2019 11:00:00 PM	4/28/2019 12:00:00 AM	1.00	Storm	Storm-Line default- Placed Unit back on line
5	6/27/2019 11:00:00 AM	6/27/2019 12:00:00 PM	1.00	Low Nitrogen	Low Nitrogen. Added Nitrogen.
1	1/4/2020 9:00:00 PM	1/4/2020 10:00:00 PM	1.00	Weather	Reset and restarted the unit.
3	4/3/2020 8:00:00 AM	4/8/2020 1:00:00 PM	125.00	Bad Motor	Replaced Motor.
5	8/3/2020 8:00:00 AM	8/6/2020 8:00:00 AM	72.00	Generator Differential, Storm	Speed bearing out. Repaired.
1	1/22/2021 12:00:00 AM	1/31/2021 11:59:59 PM	240.00	Broken Shaft	Shaft replacement.
1	2/1/2021 12:00:00 AM	2/28/2021 11:59:59 PM	672.00	Broken Shaft	Shaft replacement.
1	3/1/2021 12:00:00 AM	3/31/2021 11:59:59 PM	743.00	Broken Shaft	Shaft replacement.
1	4/1/2021 12:00:00 AM	4/30/2021 11:59:59 PM	720.00	Broken Shaft	Shaft replacement.
1	5/1/2021 12:00:00 AM	5/31/2021 11:59:59 PM	744.00	Broken Shaft	Shaft replacement.
1	6/1/2021 12:00:00 AM	6/30/2021 11:59:59 PM	720.00	Broken Shaft	Shaft replacement.
1	7/1/2021 12:00:00 AM	7/31/2021 11:59:59 PM	744.00	Broken Shaft	Shaft replacement.
1	8/1/2021 12:00:00 AM	8/31/2021 11:59:59 PM	744.00	Broken Shaft	Shaft replacement.
1	9/1/2021 12:00:00 AM	9/30/2021 11:59:59 PM	720.00	Broken Shaft	Shaft replacement.
1	10/1/2021 12:00:00 AM	10/31/2021 11:59:59 PM	744.00	Broken Shaft	Shaft replacement.

Event #	Started	Completed	Duration (hr)	Description	Probable Cause / Corrective Action
1	11/1/2021 12:00:00 AM	11/30/2021 11:59:59 PM	721.00	Broken Shaft	Shaft replacement.
1	12/1/2021 12:00:00 AM	12/31/2021 11:59:59 PM	744.00	Broken Shaft	Shaft replacement.
1	1/1/2022 12:00:00 AM	1/31/2022 11:59:59 PM	744.00	Broken Shaft	Shaft replacement.
1	2/1/2022 12:00:00 AM	2/28/2022 11:59:59 PM	672.00	Broken Shaft	Shaft replacement.
1	3/1/2022 12:00:00 AM	3/31/2022 11:59:59 PM	743.00	Broken Shaft	Shaft replacement.
1	4/1/2022 12:00:00 AM	4/30/2022 11:59:59 PM	720.00	Broken Shaft	Shaft replacement.
1	5/1/2022 12:00:00 AM	5/31/2022 11:59:59 PM	744.00	Broken Shaft	Shaft replacement.
1	6/1/2022 12:00:00 AM	6/30/2022 11:59:59 PM	720.00	Broken Shaft	Shaft replacement.
1	7/1/2022 12:00:00 AM	7/31/2022 11:59:59 PM	744.00	Broken Shaft	Shaft replacement.
1	8/1/2022 12:00:00 AM	8/31/2022 11:59:59 PM	744.00	Broken Shaft	Shaft replacement.
1	9/1/2022 12:00:00 AM	9/30/2022 11:59:59 PM	720.00	Broken Shaft	Shaft replacement.
1	10/1/2022 12:00:00 AM	10/31/2022 11:59:59 PM	744.00	Broken Shaft	Shaft replacement.
1	11/1/2022 12:00:00 AM	11/30/2022 11:59:59 PM	721.00	Broken Shaft	Shaft replacement.
1	12/1/2022 12:00:00 AM	12/31/2022 11:59:59 PM	744.00	Broken Shaft	Shaft replacement.
		Unit 5 Totals:	17,222.0 0		
Unit 6					
1	3/24/2018 12:00:00 AM	3/24/2018 2:00:00 AM	2.00	Line Default	Restarted the unit.
2	8/7/2018 6:20:00 PM	8/7/2018 7:20:00 PM	1.00	Storm	Storm caused plant trip.
3	9/26/2018 8:00:00 AM	9/30/2018 11:59:59 PM	112.00	Trash Rake Issues	Replaced trash rake cable and additional maintenance
3	10/1/2018 12:00:00 AM	10/31/2018 11:59:59 PM	744.00	Trash Rake Issues	Replaced trash rake cable and additional maintenance

Event #	Started	Completed	Duration (hr)	Description	Probable Cause / Corrective Action
3	11/1/2018 12:00:00 AM	11/6/2018 9:00:00 AM	130.00	Trash Rake Issues	Replaced trash rake cable and additional maintenance
1	4/19/2019 1:30:00 PM	4/19/2019 2:30:00 PM	1.00	Storm	Storm-Placed back on line.
1	4/27/2019 11:00:00 PM	4/28/2019 12:00:00 AM	1.00	Storm	Storm-Line default-Placed back on line.
3	7/11/2019 2:00:00 PM	7/12/2019 2:00:00 PM	24.00	Oil Leak	Repaired leak.
9	8/26/2019 9:30:00 AM	8/26/2019 10:30:00 AM	1.00	Oil Filter Leak	Repaired and replaced filter.
1	1/4/2020 9:00:00 PM	1/4/2020 10:00:00 PM	1.00	Weather	Reset and restarted the unit.
4	8/3/2020 8:30:00 PM	8/3/2020 10:30:00 PM	2.00	Generator Differential, Storm	The storm caused a relay differential.
1	6/20/2021 11:00:00 AM	6/20/2021 1:00:00 PM	2.00	Storm	Unit tripped due to the storm. Put back on line.
3	7/18/2021 8:30:00 PM	7/18/2021 9:30:00 PM	1.00	Storm	Differential Relay tripped due to storm. Restarted unit.
1	3/15/2022 6:30:00 PM	3/15/2022 8:30:00 PM	2.00	Line Fault	Line fault caused generator differential trip. Reset unit.
2	4/27/2022 6:30:00 PM	4/27/2022 7:30:00 PM	1.00	Line Fault on 46kv Line	Line fault due to generator differential. Unit placed back in service.
3	5/16/2022 5:50:00 AM	5/16/2022 6:30:00 AM	0.67	Line Fault	Line fault caused generator differential trip. Reset unit.
4	5/20/2022 5:45:00 AM	5/20/2022 7:58:00 AM	2.22	Line Fault	Line fault caused generator differential trip. Reset unit.
5	5/22/2022 8:15:00 AM	5/22/2022 9:22:00 AM	1.12	Line Differential	Unit placed back on line.
6	5/24/2022 11:00:00 AM	5/24/2022 12:30:00 PM	1.50	Line Fault	Line fault caused generator differential trip. Reset unit.
7	6/17/2022 5:45:00 PM	6/17/2022 6:45:00 PM	1.00	Storm	Unit placed back in service.
8	6/17/2022 9:45:00 PM	6/17/2022 10:45:00 PM	1.00	Storm	Unit placed back in service.
12	8/21/2022 12:00:00 AM	8/21/2022 1:00:00 AM	1.00	Line Fault	Line fault caused generator differential trip. Reset unit.
		Unit 6 Totals:	24,856.5 1		
Unit 7					
1	3/24/2018 12:00:00 AM	3/24/2018 2:00:00 AM	2.00	Line Default	Restarted the unit.
2	7/31/2018 10:00:00 AM	7/31/2018 11:59:59 PM	14.00	Bad Bearing	Bad bearing.
2	8/1/2018 12:00:00 AM	8/31/2018 11:59:59 PM	744.00	Bad Bearing	Bad bearing.

Event #	Started	Completed	Duration (hr)	Description	Probable Cause / Corrective Action
2	9/1/2018 12:00:00 AM	9/30/2018 11:59:59 PM	720.00	Bad Bearing	
2	10/1/2018 12:00:00 AM	10/31/2018 11:59:59 PM	744.00	Bad Bearing	Bad Bearing
2	11/1/2018 12:00:00 AM	11/15/2018 10:00:00 AM	347.00	Bad Bearing	Bad bearing repair.
1	4/27/2019 11:00:00 PM	4/28/2019 12:00:00 AM	1.00	Storm	Storm-Line Default- Placed units back on line.
2	5/30/2019 8:35:00 AM	5/30/2019 10:35:00 AM	2.00	Low Nitrogen	Low Nitrogen. Added Nitrogen.
1	1/4/2020 9:00:00 PM	1/4/2020 10:00:00 PM	1.00	Weather	Reset and restarted the unit.
3	4/13/2020 5:00:00 AM	4/13/2020 7:00:00 AM	2.00	Storms/High Winds	Storms - tornados (high winds) - Put unit back on line.
5	8/3/2020 8:30:00 PM	8/3/2020 10:30:00 PM	2.00	Generator Differential, Storm	The storm caused a relay differential.
11	9/12/2020 4:00:00 PM	9/12/2020 5:00:00 PM	1.00	Storm-High Winds	Storm-High Winds. Unit put back on line.
1	5/18/2021 8:00:00 AM	5/18/2021 11:00:00 AM	3.00	Exciter Brushes	Changed out exciter brushes.
3	6/20/2021 11:00:00 AM	6/20/2021 1:00:00 PM	2.00	Storm	Unit tripped due to the storm. Put back on line.
5	7/18/2021 8:30:00 PM	7/18/2021 9:30:00 PM	1.00	Storm	Differential Relay tripped due to storm. Restarted unit.
2	3/15/2022 6:30:00 PM	3/15/2022 7:00:00 PM	0.50	Line Fault	Line fault caused generator differential trip. Reset unit.
3	4/6/2022 7:15:00 PM	4/6/2022 8:15:00 PM	1.00	Line Fault on 46 kv Line	Line fault. Unit placed back in service.
4	5/2/2022 10:30:00 AM	5/2/2022 3:30:00 PM	5.00	Phase Bad on Generator Brkr	Phase bad on Generator Breaker. Unit placed back in service.
5	5/16/2022 5:50:00 AM	5/16/2022 6:40:00 AM	0.83	Line Fault	Line fault caused generator differential trip. Reset unit.
6	5/22/2022 8:15:00 AM	5/23/2022 2:46:00 PM	30.52	Breaker Failure - Exciter	Unit repaired and placed back in service.
7	5/24/2022 11:00:00 AM	5/25/2022 10:00:00 AM	23.00	Line Fault	Line fault caused generator differential trip. Reset unit.
8	6/17/2022 5:45:00 PM	6/17/2022 6:45:00 PM	1.00	Storm	Unit placed back in service.
9	6/17/2022 9:45:00 PM	6/17/2022 10:45:00 PM	1.00	Storm	Unit placed back in service.
13	8/27/2022 12:00:00 AM	8/27/2022 1:00:00 AM	1.00	High Bearing Temperature	High Bearing Temperature- Swapped water pump put unit back in service
		Unit 7 Totals:	2,649.85		
Unit 8					

Event #	Started	Completed	Duration (hr)	Description	Probable Cause / Corrective Action
1	1/1/2018 12:00:00 AM	1/31/2018 11:59:59 PM	744.00	Stator Rewind	Stator Rewind in progress.
1	2/1/2018 12:00:00 AM	2/28/2018 11:59:59 PM	672.00	Stator Rewind	Stator Rewind in progress.
1	3/1/2018 12:00:00 AM	3/31/2018 11:59:59 PM	743.00	Stator Rewind	Stator rewind in progress.
1	4/1/2018 12:00:00 AM	4/30/2018 11:59:59 PM	720.00	Stator Rewind	Stator rewind in progress.
1	5/1/2018 12:00:00 AM	5/31/2018 11:59:59 PM	744.00	Stator Rewind	Stator rewind in progress.
1	6/1/2018 12:00:00 AM	6/30/2018 11:59:59 PM	720.00	Stator Rewind	Stator rewind in progress.
1	7/1/2018 12:00:00 AM	7/11/2018 8:00:00 AM	248.00	Stator Rewind	Stator Rewind - Unit Back on Line.
2	8/7/2018 6:20:00 PM	8/7/2018 7:20:00 PM	1.00	Storm	Storm caused plant trip.
5	11/19/2018 6:00:00 PM	11/21/2018 2:00:00 PM	44.00	Trash Rack Issues	Bad trash differential. Cleaned trash rack.
1	4/19/2019 1:30:00 PM	4/19/2019 2:30:00 PM	1.00	Storm	Storm- Placed back on line.
2	4/27/2019 11:00:00 PM	4/28/2019 12:00:00 AM	1.00	Storm	Storm-Line default- Placed back on line.
13	12/18/2019 8:00:00 AM	12/18/2019 9:00:00 AM	1.00	Intake Cleaning	Cleaned debris from trash rake.
14	12/20/2019 7:00:00 AM	12/20/2019 1:00:00 PM	6.00	Generator Wall Leak	Generator wall leak caused fuses to blow. Replaced fuses.
1	1/4/2020 9:00:00 PM	1/7/2020 1:00:00 PM	64.00	Weather	Reset and restarted the unit.
3	4/13/2020 5:00:00 AM	4/13/2020 7:00:00 AM	2.00	Storms/High Winds	Storms - tornados (high winds) - Put unit back on line.
5	8/3/2020 8:30:00 PM	8/3/2020 10:30:00 PM	2.00	Generator Differential, Storm	The storm caused a relay differential. Unit put back on line.
6	8/5/2020 7:30:00 AM	8/5/2020 10:30:00 AM	3.00	Generator Differential, Storm	The storm caused a relay differential. Unit put back on line.
1	2/3/2021 12:00:00 AM	2/28/2021 11:59:59 PM	624.00	Bad Bearing	Replaced bad bearings.
1	3/1/2021 12:00:00 AM	3/31/2021 11:59:59 PM	743.00	Bad Bearing	Replaced bad bearings.
1	4/1/2021 12:00:00 AM	4/30/2021 11:59:59 PM	720.00	Bad Bearing	Replaced bad bearings.

Event #	Started	Completed	Duration (hr)	Description	Probable Cause / Corrective Action
1	5/1/2021 12:00:00 AM	5/31/2021 11:59:59 PM	744.00	Bad Bearing	Replaced bad bearings.
1	6/1/2021 12:00:00 AM	6/30/2021 11:59:59 PM	720.00	Bad Bearing	Replaced bad bearings.
1	7/1/2021 12:00:00 AM	7/31/2021 11:59:59 PM	744.00	Bad Bearing	Replaced bad bearings.
1	8/1/2021 12:00:00 AM	8/31/2021 11:59:59 PM	744.00	Bad Bearing	Replaced bad bearings.
1	9/1/2021 12:00:00 AM	9/30/2021 11:59:59 PM	720.00	Bad Bearing	Replaced bad bearings.
1	10/1/2021 12:00:00 AM	10/31/2021 11:59:59 PM	744.00	Bad Bearing	Replaced bad bearings.
1	11/1/2021 12:00:00 AM	11/30/2021 11:59:59 PM	721.00	Bad Bearing	Replaced bad bearings.
1	12/1/2021 12:00:00 AM	12/31/2021 11:59:59 PM	744.00	Bad Bearing	Replaced bad bearings.
1	1/1/2022 12:00:00 AM	1/31/2022 11:59:59 PM	744.00	Bad Bearing	Replaced bad bearings.
1	2/1/2022 12:00:00 AM	2/28/2022 11:59:59 PM	672.00	Bad Bearing	Replaced bad bearings.
1	3/1/2022 12:00:00 AM	3/31/2022 11:59:59 PM	743.00	Bad Bearing	Replaced bad bearings.
1	4/1/2022 12:00:00 AM	4/30/2022 11:59:59 PM	720.00	Bad Bearing	Replaced bad bearings.
1	5/1/2022 12:00:00 AM	5/31/2022 11:59:59 PM	744.00	Bad Bearing	Replaced bad bearings.
1	6/1/2022 12:00:00 AM	6/30/2022 11:59:59 PM	720.00	Bad Bearing	Replaced bad bearings.
1	7/1/2022 12:00:00 AM	7/31/2022 11:59:59 PM	744.00	Bad Bearing	Replaced bad bearings.
1	8/1/2022 12:00:00 AM	8/31/2022 11:59:59 PM	744.00	Bad Bearing	Replaced bad bearings.
1	9/1/2022 12:00:00 AM	9/30/2022 11:59:59 PM	720.00	Bad Bearing	Replaced bad bearings.
1	10/1/2022 12:00:00 AM	10/31/2022 11:59:59 PM	744.00	Bad Bearing	Replaced bad bearings.

Event #	Started	Completed	Duration (hr)	Description	Probable Cause / Corrective Action
1	11/1/2022 12:00:00 AM	11/30/2022 11:59:59 PM	721.00	Bad Bearing	Replaced bad bearings.
1	12/1/2022 12:00:00 AM	12/31/2022 11:59:59 PM	744.00	Bad Bearing	Replaced bad bearings.
Unit 8 Totals:			21,444		

6. Discussion of record of compliance with the terms and conditions of the existing license, including a list of all incidents of noncompliance, their disposition, and any documentation relating to each incident: The Applicant has made a significant effort to comply with all articles in the existing license, as well as with the FERC's Rules and Regulations, and any directives from the ARO. When necessary, the Applicant has requested additional time to complete work in progress. The Applicant has not been cited for non-compliance during the term of the current license.
7. Discussion of any actions taken that affect the public: No actions affecting the public have been taken.
8. Ownership and operating expenses that would be reduced if the project license were transferred from the existing licensee: The costs are as shown in detail in Exhibit D, which will be filed with the FLA.
9. Statement of annual fees paid under Part I of the Federal Power Act for use of Federal or Indian lands within the Project boundary: There are 104.4 acres of Federal lands administered by the U.S. Forest Service which are part of the Stevens Creek Project. Of that acreage, 104.19 acres have a pre-existing easement in which the Applicant owns flowage easements which predate acquisition of the National Forest Lands by the United States. Exhibit G – 1, General Map of Project Area, contains a tabulation of Federal Lands within the Stevens Creek Project Boundary by tract number, along with a designation as to which map sheet each tract is shown on. In 2022, the Applicant paid \$25.00 in fees for Federal lands occupied by the Stevens Creek Project. There are no Native American lands within the Stevens Creek Project Boundary.