



MUNICIPAL HYDROELECTRIC PROJECT

(FERC PROJECT No. 1235)

AUGUST 29, 2014 JOINT AGENCY/PUBLIC MEETING

RADFORD, VIRGINIA

Kleinschmidt

MEETING PURPOSE

- Review Relicensing Process
- Overview of Municipal Hydroelectric Project
- Discuss Pre-Application Document
- Identify potential issues for relicensing
- Identify potential data gaps
- Site visit

PROJECT LOCATION



PROJECT HISTORY AND GENERAL INFORMATION

- FERC Project Number 1235
- Constructed and began operation in 1934
- Owned and operated by the City of Radford
- FERC license issued in 1989; expires May 31, 2019

PROJECT FACILITIES

- Buttress slab concrete dam: approximately 293 feet long by 58 feet high.
- Eight tainter gates and two sluice gates.
- 40-feet of gross head.

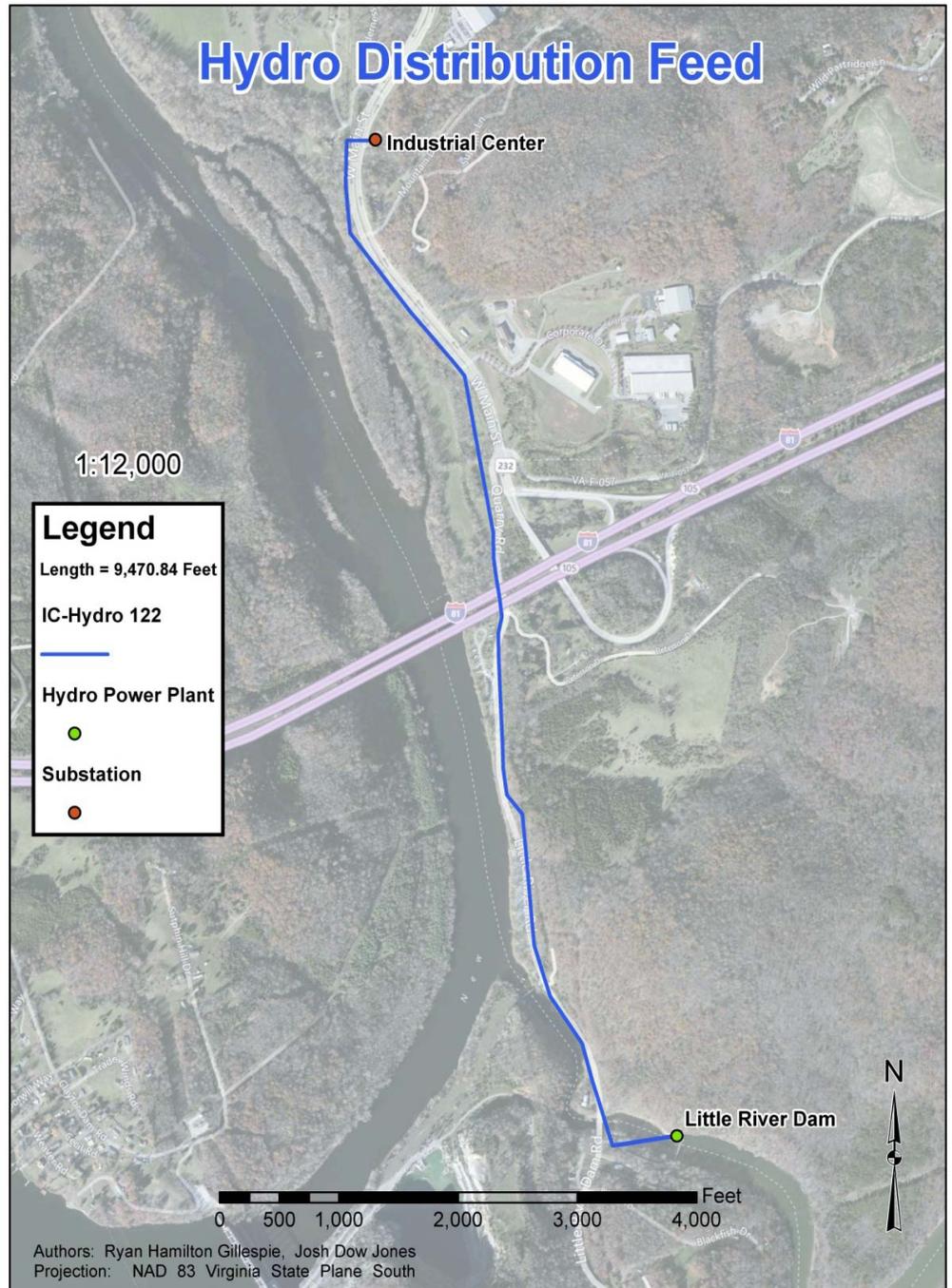


PROJECT FACILITIES

- Concrete and brick powerhouse.
- 96-inch steel-lined concrete penstock with headgate and trashrack.
- 1,200 kW Smith-Kaplan turbine.
- 1,275 kW generator.
- Rated hydraulic capacity of 430 cfs.



INTERCONNECTION INFORMATION



PROJECT RESERVOIR

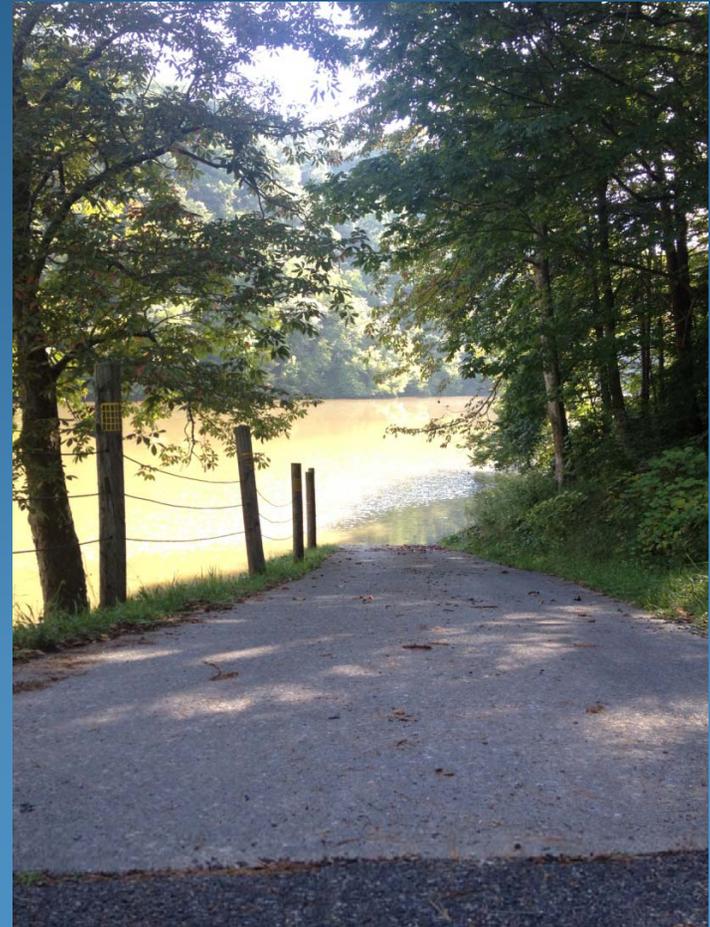


350 –acre reservoir.

Project boundary extends for 3.5 miles upstream.

PROJECT RECREATION FACILITIES

- Boat ramp to reservoir.
- Canoe portage.



PROJECT OPERATIONS

SEASON	TIME INTERVAL	START ELEVATION	STOP ELEVATION
Fall & Winter	07:00 to 18:00	-0.4 ft	-3.0 ft
	18:00 to 23:00	-0.4 ft	-2.0 ft
	23:00 to 07:00	-0.1 ft	-1.0 ft
Spring & Summer	11:00 to 18:00	-0.4 ft	-3.0 ft
	18:00 to 23:00	-0.6 ft	-2.5 ft
	23:00 to 11:00	-0.1 ft	-1.0 ft

- Operated as a modified run-of-river facility.
- Minimum flow of 25 cfs, or inflow, whichever is less.
- No changes proposed to Project operations.

THE RELICENSING PROCESS

- FERC Approved the TLP on July 11, 2014.
- TLP has three stages:
 - 1) Initial Consultation
 - PAD
 - JAM
 - Stakeholder and agency opportunity to submit study/information requests to the Licensee and to FERC.
 - 2) Perform Studies and File Draft Application
 - 3) Final Application

PRE-APPLICATION DOCUMENT

- Filed on May 23, 2014.
- Provides existing, relevant, and reasonably available information on potentially affected resources.
- Copies of PAD available.

PROCESS PLAN AND SCHEDULE

- May 23, 2014: Pre-Application Document filed
- August 29, 2014: Joint : Agency Meeting and Site Visit
- **October 28, 2014: Agency and stakeholder comments and study requests due (60 days)**
- November 2014– February 2015: Determine any study needs; develop Study Plans
- March 2015 – October 2015: Conduct studies and prepare reports
- November 2015 – November 2016: Conduct second year studies (as necessary); Draft License Application
- December 2016: File Draft License Application.
- May 2017: File Final License Application.
- May 31, 2019: FERC issues New License.

PROJECT ISSUES AND INFORMATION DISCUSSION

- Questions regarding the PAD?
- Project issues?
- Data/Information needs to analyze potential effects of continued operations?

FERC GUIDELINES FOR STUDY OR INFORMATION REQUESTS (18 C.F.R. 4.38(B)(5))

- Identify the purpose of the information.
- Demonstrate how the information is related to operation and maintenance of the Project, and therefore necessary.
- Discuss your understanding of resource issues and your goals and objectives for these resources.
- Explain why each recommended study methodology is more appropriate than alternatives, including any that the licensee has proposed.
- Document that each proposed study methodology is a generally accepted practice.
- Explain how the study will be used to further resource goals and objectives that may be affected by continued operation of the Project.

CONTACT INFORMATION

Mr. Tim Logwood
Director of Electric Utilities
City of Radford Electric Utilities
701 17th Street
Radford, VA 24141
Phone: 540.731.3641
Email: tlogwood@radford.va.us

Mrs. Alison Jakupca
Regulatory Coordinator
Kleinschmidt Associates
204 Caughman Farm Lane, Ste. 301
Lexington, SC 29072
Phone: 803.462.5628
Email: Alison.Jakupca@Kleinschmidtgroup.com

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