

GLENDALE HYDROELECTRIC PROJECT

LIHI APPLICATION

ATTACHMENT G

RECREATION



Photo R1: Impoundment Canoe Take-out



Photo R2: Bypass Canoe Put-In



Photo R3: Canoe Portage Path



Photo R4: Parking Area and Area Map

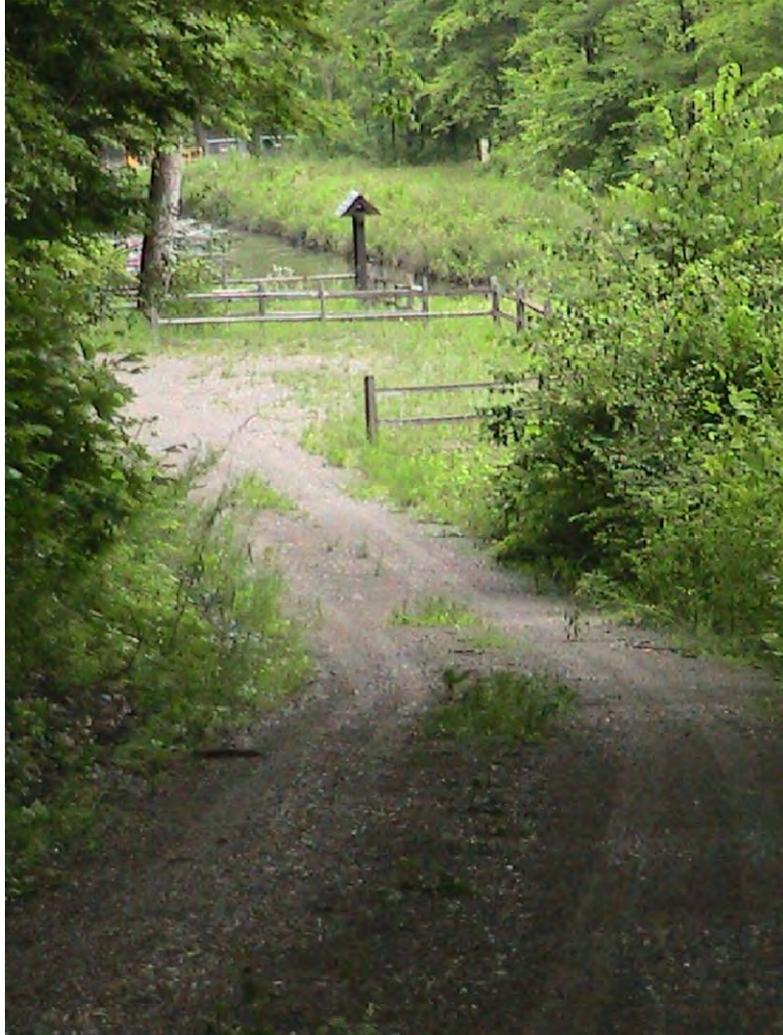


Photo R5: Access Road to Parking and Canoe Portage

UNITED STATES OF AMERICA 132 FERC ¶ 62,087
FEDERAL ENERGY REGULATORY COMMISSION

Littleville Power Company, Inc.

Project No. 2801-031

ORDER APPROVING RECREATION PLAN

(Issued August 03, 2010)

1. On May 3, 2010, Littleville Power Company, Inc. (licensee) filed a recreation plan (plan) pursuant to article 406 of the license for the Glendale Hydroelectric Project (FERC No. 2801).¹ The project is located on the Housatonic River in Berkshire County, Massachusetts. The project does not occupy any federal land.

BACKGROUND

2. Article 406 requires the licensee to file, for Commission approval, a recreation plan for the project. The plan must be prepared in consultation with the Massachusetts Department of Fisheries and Wildlife (MDFW) and the Housatonic Valley Association (HVA), and must include, at a minimum:

- (a) a canoe portage around the dam consisting of a new take-out located upstream of the dam on the right bank near the gatehouse; a portage trail that uses an existing access road and crosses the power canal at an existing bridge; a new stairway/ramp at the bypassed reach that will serve as a canoe put-in location; formal vehicular and pedestrian access to the Glendale Dam area and bypassed reach via a parking area at an existing access road adjacent to the new portage trail and bypassed reach put-in; and signage and safety fencing as needed;
- (b) conceptual drawings of the facilities required in item (a) above;
- (c) an operation and maintenance component that specifies dates and times the recreation facilities will be available for public use; and
- (d) an implementation schedule.

¹ Order Issuing Subsequent License issued August 19, 2009 (128 FERC ¶ 62,123).

DESCRIPTION OF PROPOSED PLAN

3. A portage take-out would be located on the right bank, approximately 80 feet upstream of the Glendale Dam gatehouse, and upstream of the project's existing boat barrier and log boom. The take-out area would be cleared of vegetation and re-graded with crushed gravel. The access trail leading from the take-out would be approximately six feet wide, and would be re-graded with crushed gravel. To ensure streambank stability adjacent to the access trail above the gatehouse, an approximately four-foot high segmented block retaining wall, approximately 80 feet in length, would be constructed on the right side of the trail. Chain link fence would be erected along the wing wall upstream of the gatehouse to prevent access to dangerous currents in this area. Signage would also be installed directing in-water canoeists to the portage area take-out.

4. Downstream of the gatehouse, the portage trail would lead canoeists along the existing access road to the proposed parking area, described below. This section of the portage trail is approximately 575 feet in length with a very flat grade. Signage would be installed directing canoeists along the proposed portage route.

5. The lower portage trail would continue from the proposed parking area to the portage put-in and fishing access location near the bypassed reach. The initial portion of this trail from the parking area to the crest of the bypassed reach ravine (approximately 25 feet) would be approximately 6 feet wide, and would be re-graded with crushed gravel. From that point to the bypass reach, the licensee proposes one of two options:

(1) Install a stairway from the crest of the bypassed reach embankment down to the trail terminus to facilitate access to the bypassed reach.

(2) Construct a footpath down the embankment, traversing the steep slope at an appropriate gradient for canoe or kayak portaging. The trail could be constructed without switchbacks, terminating near the upper end of the bypass reach, or could be terminated near the mid-point of the bypass through the use of one or two switchbacks.

6. The lower portion of the portage trail has a slope of approximately 30-40%. Despite its steeply sloping nature, the area is stable, but the removal of some trees could be required to facilitate construction of a stairway. Alternatively, a foot trail could be routed so as to avoid removal of trees to the extent possible. In either case, the trail terminus where the put-in would be located is situated on a relatively flat stream terrace approximately 20 feet in width from the water's edge. The put-in area would be cleared of vegetation. Signage would be installed at the beginning and end of the lower portage trail, directing canoeists along this section of proposed route.

7. The licensee proposes to make improvements to the existing access road from State Highway 183 to Glendale Dam. The intersection of the access road and State

Highway 183 would be straightened and re-graded to allow for safer vehicular entry and egress. These improvements would consist of widening the access road entrance from State Highway 183 to allow for two vehicles to enter and exit at the same time. In addition, the access road entrance would be straightened and re-graded with crushed gravel, so it intersects with Highway 183 at approximately 90 degrees.

8. This road would also provide access to the proposed parking area and the Housatonic River above Glendale Dam and the bypass reach. An informational sign would be installed at the road entrance from State Highway 183. The licensee would perform routine inspections of the road, especially during the spring and wet periods to insure the road is in good condition. Required repairs identified in these periods would be performed as necessary.

9. A gravel parking area would be installed adjacent to the access road. The parking area would measure approximately 40 feet by 68 feet and would provide parking for up to seven cars, including one handicapped space. The parking area would be re-graded with crushed gravel. Safety fencing, consisting of six-foot high chain link fencing, would be installed on the easterly and westerly sides of the parking area to prevent access to the power canal. The fencing would extend southerly, approximately 10 feet down the bypassed reach embankment as well. In addition, a gate with a walk-through for recreationists would be installed on the access road, adjacent to the safety fencing on the easterly side of the parking area, to prevent unauthorized vehicular access to the gatehouse.

10. In addition to the signage described above, the licensee would also post signage as necessary to warn recreationists of dangerous currents and other potentially hazardous conditions adjacent to publicly accessible areas.

11. The plan states that the recreation facilities would be available for public use during daylight hours from April 15 through October 15, annually, subject to site conditions allowing for suitable and safe access. The licensee would be responsible for the general operation and maintenance of the facilities.

12. The plan considers the needs of the disabled in the planning and design of the recreation facilities. The parking area and canoe portage trail leading to the canoe put-in location above the dam would maintain a suitable grade for wheelchair access. One handicapped parking space was included in the design of the parking area. Due to steep terrain between the parking area and bypassed reach, it is not feasible to provide wheelchair access.

13. The plan includes drawings that illustrate the facilities at the project. The plan also includes an implementation schedule for the recreation enhancements. Anticipating approval of the plan in July 2010, the licensee would solicit proposals and select a

contractor in 2010, and the facilities would be constructed during the spring and summer of 2011. Figure 1 depicts the proposed recreation enhancements.



Figure 1: Proposed Recreation Enhancements (Source: Google with staff modifications)

CONSULTATION AND DISCUSSION

14. In accordance with the requirements of article 406, the licensee developed the plan in consultation with the MDFW and HVA. The licensee distributed draft copies of the plan to the consulting parties on March 31, 2010.

15. On April 6, 2010, the MDFW commented that it has no preference for the type of trail for the canoe portage (stairs versus path), and encouraged the licensee to keep the facilities open as long as weather permits rather than Memorial Day through Labor Day.

16. On May 3, 2010, the HVA recommended utilizing the least slope achievable to construct the access to the river as carrying a boat and gear down a steep slope is challenging. The HVA also proposed extending the availability of the portage and access from April 15 through October 15 as use of the river is increasing during the spring and fall.

17. The licensee indicated that it will make its final decision regarding the use of a stairway versus a footpath based on a final assessment of the site conditions and relative

construction and maintenance costs. If the trail option is selected, the licensee indicates that the slope of the trail would be minimized to the extent possible. The licensee modified the plan to extend the opening and closing dates for the facilities from April 15 through October 15, subject to site conditions allowing suitable and safe access.

CONCLUSION

18. The plan identifies the proposed recreational enhancements at the project, and adequately addresses the requirements of article 406. Implementation of the plan would enhance public access to project lands and waters, and provide improved recreational opportunities. The licensee is encouraged to consider the HVA's recommendation to use the least slope possible to construct the access, and Commission staff recommends avoiding the removal of trees to the extent possible. At least 60 days prior to starting construction of the facilities, the licensee should notify the Commission of its final plans for the lower portage trail. The Commission reserves the right to require changes to the plan. The plan should be approved.

19. Within 90 days of construction of the facilities, the licensee should submit drawings showing the location and layout of the completed recreation facilities, as-built, in relation to the project boundary. Also, in order to accurately include these permanent recreation facilities in the Commission's geographic database for the project, the licensee should file site-specific information on their location.

The Director orders:

(A) Littleville Power Company, Inc's recreation plan for the Glendale Hydroelectric Project, filed May 3, 2010, is approved.

(B) Within 45 days of the date of this order, the licensee shall file location point data representative of each of the facilities provided under the recreation plan approved in ordering paragraph (A), above. The location point must be positionally accurate to comply, at a minimum, with National Map Accuracy Standards for maps at a 1:24,000 scale. The location point must include latitude/longitude, in decimal degrees, based on the horizontal reference datum of the North American Datum of 1983 (NAD 83).

(C) At least 60 days prior to starting construction of the facilities, the licensee shall notify the Commission of its final plans for the lower portage trail. The Commission reserves the right to require changes to the plan.

(D) Within 90 days of construction of the facilities, the licensee shall file as-built drawings showing the location and layout of the facilities in relation to the project boundary.

(E) This order constitutes final agency action. Requests for rehearing by the Commission may be filed within 30 days from the date of issuance of this order, pursuant to 18 CFR § 385.713.

Robert J. Fletcher
Chief, Land Resources Branch
Division of Hydropower
Administration and Compliance

**GLENDALE HYDROELECTRIC PROJECT
FERC Project No. 2801**



**RECREATION PLAN
LICENSE ARTICLE 406**

**LITTLEVILLE POWER COMPANY, INC.
SUBSIDIARY OF ENEL NORTH AMERICA, INC.**

May 2010

TABLE OF CONTENTS

LIST OF FIGURES i
 LIST OF ACRONYMS AND ABBREVIATIONS i
 1 INTRODUCTION 1
 2 PROPOSED RECREATION ENHANCEMENTS 3
 2.1 Canoe Portage 3
 2.2 Public Access 4
 2.3 Signage 4
 2.4 Operations and Maintenance of Recreation Facilities 5
 2.5 Consideration of Disabled Needs 5
 3 IMPLEMENTATION SCHEDULE 12
 4 AGENCY CONSULTATION 13
5 RESPONSIVENESS SUMMARY 14
 APPENDIX A – CONSULTATION RECORD 15

LIST OF FIGURES

Figure 2.1-1: Proposed Portage Take-out and Upper Access Trail 6
 Figure 2.1-2: Proposed Entrance and Parking Improvements and Lower Portage Trail 7
 Figure 2.1-3: Proposed Details of Upper Portage Trail and Bypass Stairway 8
 Figure 2.3-1: Signage at the Entrance of the Existing Access Road 9
 Figure 2.3-2: Directional Guide and Parking Sign 10
 Figure 2.3-3: Typical Canoe Portage Signs 11

LIST OF ACRONYMS AND ABBREVIATIONS

ADA	Americans with Disabilities Act
FERC	Federal Regulatory Energy Commission
ft	Feet
HVA	Housatonic Valley Association
LPC	Littleville Power Company, Inc.
MDEP	Massachusetts Department of Environmental Protection
MDCR	Massachusetts Department of Conservation and Recreation
MDFW	Massachusetts Division of Fish and Wildlife
msl	Mean Sea Level
USFWS	United States Fish and Wildlife Service
WQC	Water Quality Certification

1 INTRODUCTION

The Glendale Hydroelectric Project (Project), Federal Energy Regulatory Commission (FERC) Project No. 2801, is an existing licensed hydroelectric project, owned and operated by Littleville Power Company, Inc. (LPC), a subsidiary of Enel North America, Inc. The project is located on the Housatonic River in the town of Stockbridge, Berkshire County, Massachusetts.

The Glendale Project is comprised of a dam, impoundment, intake canal, penstock, and powerhouse. The generating capacity of the project is currently 1,140 KW¹. A more detailed description of the Project facilities and structures is presented below.

Dam: The Project dam measures approximately 30 feet in height and 180 feet in length and consists of a concrete gravity structure. At the northern end of the dam is a wooden gatehouse containing two manually-operated 10 ft by 10 ft intake gates, which convey flow to the intake canal. In addition, the gatehouse contains two 8 ft by 8 ft waste gates at the base of the dam that can release water to the bypass reach; these waste gates currently are not operational.

Intake Canal: The intake canal runs parallel to the bypass reach, and is used to convey water from the canal intake gatehouse at the dam to the forebay structure located at its downstream end. The canal is approximately 1,500-feet long by 40-feet wide and has an average water depth of 5 feet.

Forebay Structure: The forebay structure is located at the downstream end of the intake canal and controls flow into the penstock. It contains two manually operated headgates, trashracks with 1-inch spacing, and a hydraulically-operated canal waste gate that can release flow to the adjacent bypass reach.

Penstock: The intake canal leads to a 250-foot long, 12-foot diameter steel penstock that directs flow to the four turbine units within the powerhouse.

Powerhouse: The powerhouse contains four identical vertical semi-Kaplan turbines/generator units with a total installed capacity of 1,140 KW and a total hydraulic capacity of approximately 400 cfs. Water discharged through the turbines enters the project tailrace, and then flows approximately 300 feet before reentering the Housatonic River.

Transmission Facilities: There is a 2.3/13.8 kV step-up transformer, a 1,500-foot long 13.8 kV transmission line, and appurtenant facilities.

Impoundment: The Project impoundment extends from the Project dam north approximately one mile upstream. The impoundment has a surface area of approximately 23 acres at a water surface elevation of 811 feet (mean sea level, msl). The impoundment has negligible useable storage capacity.

Bypass Reach: Approximately 2,500 feet of the Housatonic River is bypassed by the intake canal and penstock. The bypass width ranges between approximately 50 to 150 feet and has an average width of approximately 65 feet. The bypass receives a minimum flow of 90 cfs or the inflow to the impoundment, whichever is less.

¹ LPC will install a new 165 kW turbine-generator unit at the project dam, to pass minimum flows into the bypassed reach under the new FERC license.

A new FERC license for the Project was issued on August 19, 2009, and became effective on November 1, 2009, and a corresponding Massachusetts Water Quality Certification (WQC) was issued on July 8, 2009. Under License Article 406 of the FERC license, LPC is required to develop a recreation plan.

Specifically, License Article 406 states:

Within 6 months of the effective date of the license, the licensee shall file a recreation plan for the Glendale Project for Commission approval, which shall include:

(a) The recreation facilities proposed in the license application at pages 89 and 91 which include construction of: a canoe portage around the dam consisting of a new take-out located upstream of the dam on the right bank near the gatehouse; a portage trail that uses an existing access road and crosses the power canal at an existing bridge; a new stairway/ramp at the bypassed reach that will serve as a canoe put-in location; formal vehicular and pedestrian access to the Glendale Dam area and bypassed reach via a parking area at an existing access road adjacent to the new portage trail and bypassed reach put-it [sic]; and signage and safety fencing as needed;

(b) Conceptual drawings of the facilities described in item (a) above; and

(c) An operation and maintenance component that specifies dates and times the recreation facilities will be available for public use.

The licensee shall prepare the recreation plan after consultation with the Massachusetts Department of Fisheries and Wildlife and the Housatonic Valley Association. The licensee shall include with the recreation plan an implementation schedule, documentation of consultation, copies of comments and recommendations on the completed recreation plan after it has been prepared and provided to the agencies, and specific descriptions of how the agencies comments are accommodated by the plan. The licensee shall allow a minimum of 30 days for the agencies to comment and make recommendations before filing the plan with the Commission. If the licensee does not adopt a recommendation, the filing shall include the licensee's reasons, based on project-specific information.

The Commission reserves the right to require changes to the recreation plan. Implementation of the recreation plan shall not begin until after the plan is approved by the Commission. Upon Commission approval, the licensee shall implement the measures specified in the plan, including any changes required by the Commission.

The recreation plan enhancements described in the following sections of this document have been developed to comply with the License Article 406 requirements.

2 PROPOSED RECREATION ENHANCEMENTS

As a result of consultation with stakeholders during the relicensing process, LPC proposed to implement several recreation measures to improve upon existing uses and opportunities at the Glendale Project. The specific measures identified in License Article 406 include:

1. Construction of a canoe portage route around the Glendale Dam. The portage will consist of a take-out point located on the right bank upstream of dam near the gatehouse. A portage trail will be established following the existing access road, crossing the power canal at the existing bridge, and leading to a new stairway/ramp to the bypass reach, which will act as a put-in point for canoeists and as an access point for bank fishing in the bypass reach; and
2. Formal vehicular and pedestrian access to the Glendale Dam area and bypassed reach via a parking area near the existing access road adjacent to the new portage trail and bypassed reach put-it.
3. Appropriate signage and safety fencing will also be installed as part of the proposed recreational access improvements.

These recreational enhancements are described in this section, and the associated drawings are included therein.

2.1 Canoe Portage

Portage Take-Out and Upper Portage Trail

The portage take-out will be located on the right bank approximately 80 feet upstream of the Glendale Dam gatehouse (Figure 2.1-1) and upstream of the project's existing boat barrier and log boom. The take-out area will be cleared of vegetation and re-graded with crushed gravel. The stream bank slope in this area is relatively flat and the site is currently stable with no evidence of active erosion. The access trail leading from the take-out will be approximately 6 feet in width, and will be re-graded with crushed gravel. To ensure streambank stability adjacent to the access trail above the gatehouse, an approximately 4-foot high segmented block retaining wall, approximately 80 feet in length, will be constructed on the right side of the trail. Chain link fence will be erected along the wing wall upstream of the gatehouse to prevent access to the dangerous currents in this area. Signage will also be installed directing in-water canoeists to the portage area take-out.

Downstream of the gatehouse, the portage trail will lead canoeists in a westerly direction along the existing access road to the proposed parking area (Figures 2.1-1 and 2.1-2). This section of the portage trail is approximately 575 feet in length with a very flat grade. Signage will be installed directing canoeists along the proposed portage route.

Lower Portage Trail and Bypass Access

The lower portage trail will continue from the proposed parking area (see Section 2.2 for description) to the portage put-in/fishing access location near the bypassed reach (Figure 2.1-2). The initial portion of this trail from the parking area to the crest of the bypassed reach ravine (approximately 25 feet) will be approximately 6 feet wide, and will be re-graded with crushed gravel. From that point down to the bypass reach LPC is proposing one of two options:

1. As was originally proposed in the license application, install a stairway from the crest of the bypassed reach embankment down to the trail terminus to facilitate access to the bypassed reach (Figure 2.1-3). The 80-foot stairway would be constructed from durable materials, and will be supported by reinforced concrete piers. Landings would be constructed at the upper and lower ends of the stairway (Figure 2.1-3).
2. Alternatively, LPC could construct a footpath down the embankment, traversing the steep slope at an appropriate gradient for canoe or kayak portaging. The trail could be constructed without switchbacks, terminating near the upper end of the bypass reach, or could be terminated near the mid-point of the bypass through the use of one or two switchbacks.

This lower portion of the portage trail has a slope of approximately 30-40%. Despite its steeply sloping nature, this area is stable, but could require the removal of some trees to facilitate construction of the stairway. On the other hand, a foot trail could be routed so as to avoid removal of trees to the extent possible. In either case, the trail terminus where the put-in will be located is situated on a relatively flat stream terrace approximately 20 feet in width from the water's edge. The put-in area will be cleared of vegetation. Appropriate signage will be installed at the beginning and end of the lower portage trail, directing canoeists along this section of proposed route.

2.2 Public Access

LPC proposes to make improvements to the existing access road from State Highway 183 to Glendale Dam. The intersection of the access road and State Highway 183 will be straightened and re-graded to allow for safer vehicular entry and egress (Figure 2.1-2). These improvements will consist of widening the access road entrance from State Highway 183, to approximately 22 feet to allow for two vehicles to enter/exit at the same time. In addition, the access road entrance will be straightened and re-graded with crushed gravel, so it intersects with Highway 183 at approximately 90 degrees.

This road will also provide access to the newly proposed parking area and the Housatonic River above Glendale Dam and the bypass reach. An informational sign will be installed at the road entrance from State Highway 183. LPC will perform routine inspections of the road, especially during the spring and wet periods to insure the road is in good condition. Required repairs identified in these periods will be performed as necessary.

A gravel parking area is proposed for construction adjacent to the access road (Figure 2.1-2). The parking area will measure approximately 40 feet by 68 feet and will provide parking for up to seven cars, including one handicapped space. The parking area will be re-graded with crushed gravel. Safety fencing, consisting of 6-foot high chain link fencing, will be installed on the easterly and westerly sides of the parking area to prevent access to the power canal. The fencing will extend southerly, approximately 10 feet down the bypassed reach embankment as well. In addition, a gate with a walk-through for recreationists will be installed on the access road, adjacent to the safety fencing on the easterly side of the parking area, to prevent unauthorized vehicular access to the gatehouse (see Figure 2.1-2).

2.3 Signage

LPC is proposing to post and maintain signage at the recreation enhancements described above. Proposed locations for these signs are described below and are shown in the proceeding figures. Also, proposed recreation recreational sign examples are provided in Figures 2.3-1 through 2.3-3.

- Signage at the entrance of the existing access road providing the name of the project and the owner, a statement that it is licensed by the FERC and the project number, and other pertinent information regarding the available recreation facilities and their use (Figure 2.3-1);
- Directional signage to the parking area (Figure 2.3-2), and
- Directional signage for the take-out location, portage trail, and bypass fishing/put-in location (Figure 2.3-3).

LPC will also post additional safety signage as necessary to warn recreationists of dangerous currents and other potentially hazardous conditions adjacent to publicly accessible areas.

2.4 Operations and Maintenance of Recreation Facilities

LPC proposes to make the recreation facilities available for public use during daylight hours from April 15 to October 15, annually. These opening and closing dates are subject to site conditions allowing suitable and safe access (e.g., snow and mud on the access road, parking lot or portage trails, or dangerously high flow conditions).

LPC will be responsible for the general operation, management and maintenance of the recreational facilities including performance of the following work tasks:

- Repair and update signage as needed;
- Maintain parking areas including surface restoration;
- Maintain the canoe portage route including surface repair;
- Maintain the take-out location including surface restoration and brush trimming;
- Maintain the put-in location and access stairs/trail including surface restoration and brush trimming; and
- Maintain security fencing.

Appropriate trash collection containers will be provided at the parking area. In addition, periodic litter clean-up at the designated recreation sites will be performed during the recreation season.

2.5 Consideration of Disabled Needs

This section describes how LPC developed the recreation enhancements presented in this plan in consideration of the needs of the disabled with respect to the Americans with Disabilities Act (ADA) of 1990. The parking area and canoe portage trail leading to the put-in location above the dam will maintain a grade suitable for wheelchair access. One handicapped parking space was included in the design of the parking area as well. However, due to the relatively steep terrain between the parking area and bypass reach, it is not feasible to provide wheelchair access for disabled persons.



MATCH FIGURE 2.1-2

PROPOSED 6' WIDE CRUSHED-GRAVEL ACCESS TRAIL TO TAKEOUT WITH APPROX. 4' HIGH SEGMENTED BLOCK RETAINING WALL (SEE SECTION ON FIGURE 2.1-3)

FIGURE 2.1-1
GLENDALE HYDROELECTRIC PROJECT
 FERC Project No. 2801
 PROPOSED
 PORTAGE TAKEOUT
 AND UPPER ACCESS TRAIL

REVISIONS			
NO.	DATE	DESCRIPTION	BY

LITTLEVILLE POWER COMPANY, INC.
 SUBSIDIARY OF ENEL NORTH AMERICA, INC

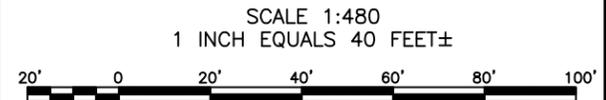
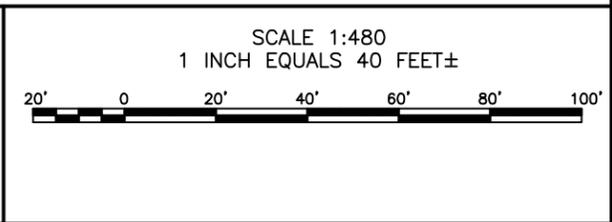




FIGURE 2.1-2
GLENDALE HYDROELECTRIC PROJECT
 FERC Project No. 2801
 PROPOSED ENTRANCE,
 PARKING IMPROVEMENTS AND
 LOWER PORTAGE TRAIL

REVISIONS			
NO.	DATE	DESCRIPTION	BY

LITTLEVILLE POWER COMPANY, INC.
 SUBSIDIARY OF ENEL NORTH AMERICA, INC

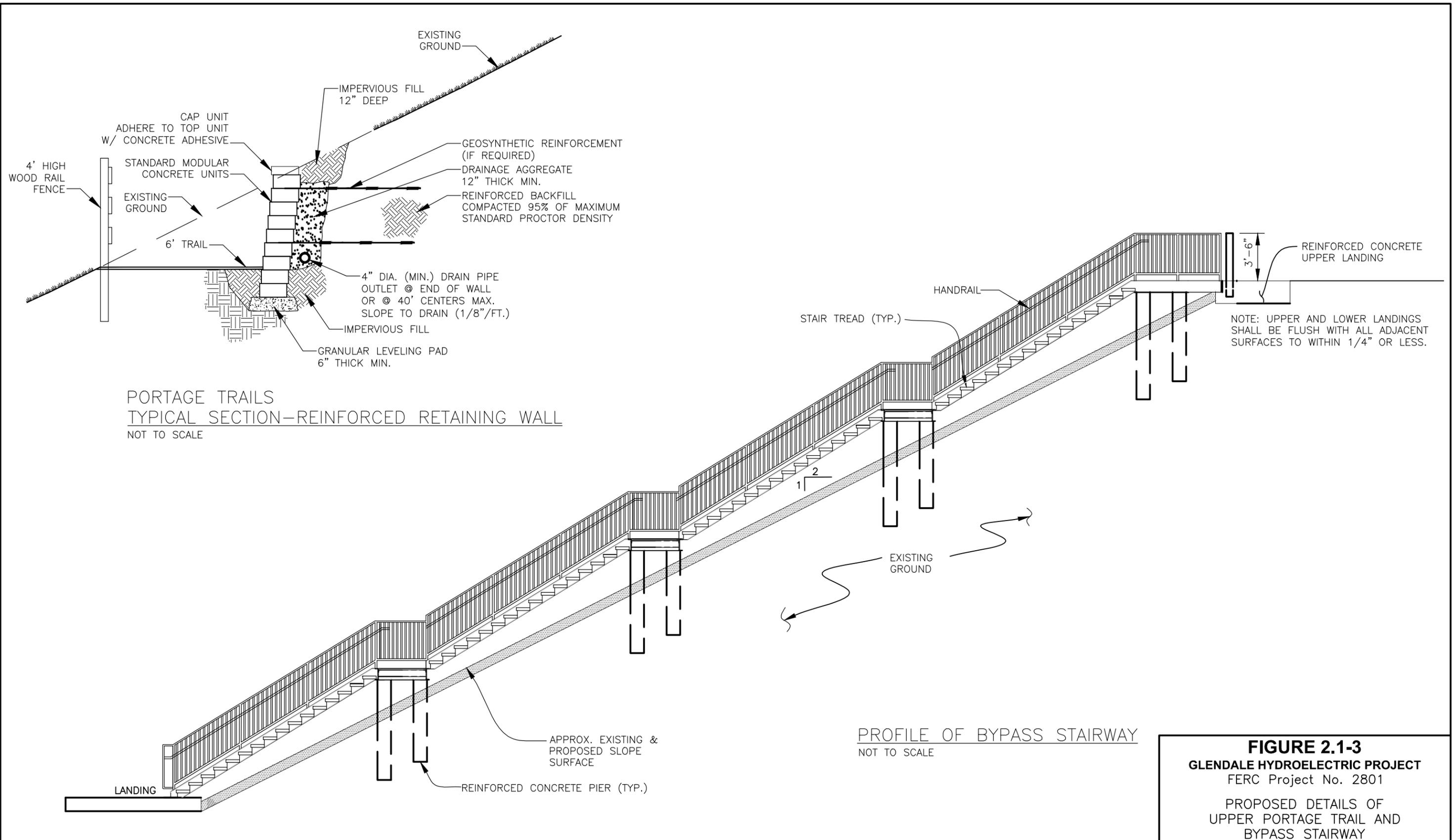


FIGURE 2.1-3
GLENDALE HYDROELECTRIC PROJECT
 FERC Project No. 2801
 PROPOSED DETAILS OF
 UPPER PORTAGE TRAIL AND
 BYPASS STAIRWAY

REVISIONS			
NO.	DATE	DESCRIPTION	BY

LITTLEVILLE POWER COMPANY, INC.
 SUBSIDIARY OF ENEL NORTH AMERICA, INC



NOT TO SCALE

Figure 2.3-1: Signage at the Entrance of the Existing Access Road



Figure 2.3-2: Directional Guide and Parking Sign



Figure 2.3-3: Typical Canoe Portage Signs



3 IMPLEMENTATION SCHEDULE

The following is the approximate schedule for the process and the improvements to be implemented, assuming FERC approval on or about August 1, 2010.

May 3, 2010	Submit Final Recreation Plan to FERC
May – July 2010	FERC Review and Approval Process
August – September 2010	Finalize Plan According to FERC Decision
October 2010	Solicit Proposals from Contractors to Implement Improvements
November 2010	Review Contractor Proposals and Make Selection
December 2010 – March 2011	Determine and Address Regulatory/Permitting Requirements
Spring 2011	Begin Construction
Summer 2011	Complete Construction

4 AGENCY CONSULTATION

The draft Recreation Plan was provided to the following stakeholders for review by email and letter dated March 31, 2010.

Caleb Slater Anadromous Fish Project Leader Massachusetts Division of Fisheries and Wildlife 1 Rabbit Hill Road Westborough, MA 01581	Dennis Regan Housatonic Valley Association 1383 Pleasant Street PO Box 251 South Lee, MA 01260
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Copies of all comments received on the draft plan are provided in Appendix A and are addressed below in Section 5 - Responsiveness Summary.

5 RESPONSIVENESS SUMMARY

Comments on the draft Recreation Plan were received from the Massachusetts Division of Fisheries and Wildlife (MDFW) and the Housatonic Valley Association (HVA). Both stakeholders generally approved the plan. Specific comments focused on the following two areas of the draft Recreation Plan. LPC's response to each comment is provided in italics.

Section 2.1 - Canoe Portage

The MDFW stated that it had no preference between the stairs and path for the canoe portage trail from the parking area down to the bypass reach.

The HVA recommend "utilizing the least slope achievable" when constructing the lower portage trail, due reduce the physical challenge of carrying boats and gear down a steep slope. The HVA clarified in a follow-up email that it would prefer the portage trail option.

LPC will make its final decision regarding the use of a stairway vs. footpath for the Lower Portage Trail based on a final assessment of site conditions and relative construction and maintenance costs. If the trail option is selected, slope of the trail will be minimized to the extent feasible.

Section 2.4 - Operations and Maintenance of Recreation Facilities

The MDFW recommended that the licensee keep the proposed facilities open as long as the weather permits, rather than the period Memorial Day to Labor Day as originally proposed in the draft plan.

The HVA recommended that the recreation facilities remain open from April 15 to October 15.

LPC has modified Section 2.4 to extended the opening and closing dates for the recreation facilities from April 15 to October 15, subject to site conditions allowing suitable and safe access.

APPENDIX A – CONSULTATION RECORD



Energy in tune with you.

LITTLEVILLE POWER COMPANY, INC.
A SUBSIDIARY OF ENEL NORTH AMERICA, INC.

Enel North America, Inc.

One Tech Drive, Suite 220, Andover, MA 01810
Tel. 978 681 1900 Fax 978 681 7727

March 31, 2010

Caleb Slater
Anadromous Fish Team Leader
MA Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westboro, MA 01581

Dennis Regan
Housatonic Valley Association
1383 Pleasant Street
PO Box 251
South Lee, MA 01260

Re: Glendale Hydroelectric Project (FERC No. 2801-MA);
DRAFT Recreation Plan.

Gentlemen:

On August 19, 2009 the Federal Energy Regulatory Commission (FERC) issued a Subsequent Minor License to Littleville Power Company, Inc. (LPC) for the Glendale Hydroelectric Project (FERC No. 2801). The Glendale Project is located on the Housatonic River in Stockbridge, Berkshire County, Massachusetts. LPC has prepared the attached DRAFT Recreation Plan for your review and comment in response to the requirements of Article 406 of the FERC license. We respectfully request that you provide us with any comments you may have on the this plan within 30 days.

Thank you in advance for your review and comments on this proposed plan. If you have any questions concerning this plan or need additional information please do not hesitate to contact me at (978) 681-1900, extension 809 or via email at kevin.webb@enel.com.

Sincerely,
Littleville Power Company, Inc.

Kevin M. Webb
Environmental Affairs Coordinator

cc: V. Engel, LPC
S. Michaud, LPC

Webb, Kevin (Enel North America)

From: Slater, Caleb (FWE) [Caleb.Slater@state.ma.us]
Sent: Tuesday, April 06, 2010 1:50 PM
To: Webb, Kevin (Enel North America)
Subject: RE: Glendale draft Recreation Plan for review and comment
[Kevin,](#)

[I have looked over the Draft Rec Plan. It looks good.](#)

[Comments](#)

[The Division has no preference for the type of trail for the canoe portage \(stairs vs path\)](#)

[The Division would encourage Enel to keep the proposed facilities open as long as the weather permits rather than the proposed Memorial Day to Labor Day. Fishing can be best in the spring and fall- the water in the Housatonic is too warm for trout for most of the summer.](#)

[Caleb](#)



Caleb Slater, Ph.D.

Anadromous Fish project Leader

MA Division of Fisheries and Wildlife

508.389.6331

508.389.7890 fax

From: Webb, Kevin (Enel North America) [mailto:Kevin.Webb@enel.com]
Sent: Wednesday, March 31, 2010 3:34 PM
To: Slater, Caleb (FWE); Dennis ReganHVAMA
Cc: Engel, Victor (Enel North America)
Subject: Glendale draft Recreation Plan for review and comment
Importance: High

Caleb and Dennis:

Please find attached our draft Recreation Plan for the Glendale Project for your review and comment. This plan was prepared in response to Article 406 of the project's new FERC license. Please let me

05/03/2010

know if you would prefer to receive a hard copy of the plan.

Thanks in advance for your review of this plan, and please feel free to contact me if you have any questions.

Kevin Webb
Regulatory Affairs Coordinator
Littleville Power Company, Inc.
A subsidiary of Enel North America, Inc.
One Tech Drive, Suite 220
Andover, MA 01810
(978) 681-1900 ext. 809
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Kevin.Webb@Enel.com

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Webb, Kevin (Enel North America)

From: Dennis Regan [dregan@hvatoday.org]
Sent: Monday, May 03, 2010 11:00 AM
To: Webb, Kevin (Enel North America)
Cc: Shep Evans; Alison Dixon
Subject: Re: FW: Glendale draft Recreation Plan for review and comment

Kevin,

Thank you for the opportunity to review and comment on the draft Recreation Plan for the Glendale Project. As we have stated previously, we appreciate your concern and efforts to minimize any public use of the river resource while maintaining your operation of the Glendale Hydro facility. We support your proposal for the development of the portage around the dam and for providing parking and access to the area above and below the dam.

Regarding the options of how best to construct the access down to the river itself, we would recommend utilizing the least slope achievable. Carrying a boat and gear down steep steps is challenging and we feel that the less of a slope to traverse the better. We would also like to propose the extension of the availability of this portage and access to be from April 15 to October 15. We are witnessing that an increase of use of the river during the Spring and Fall and would appreciate the opportunity to utilize this area during these times.

Thank you again for your public concerns and we look forward to using the portage and parking in Glendale.

Dennis Regan

Webb, Kevin (Enel North America) wrote:

>
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> *Sent:* Wednesday, March 31, 2010 3:34 PM
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