

**FERC P-2576
Housatonic River Project**

Shoreline Management Plan



**Candlewood Lake
Peak Recreational Day
2016**

SMP 6 Year Review and Update 12/17/2024

SMP Appendix C Revisions, rev. 11/30/2020

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**SHORELINE MANAGEMENT PLAN
HOUSATONIC RIVER PROJECT
NO. 2576-139**

I. HISTORY OF THE PROJECT & SHORELINE MANAGEMENT PLAN

On June 23, 2004, the Federal Energy Regulatory Commission (“FERC”) issued FirstLight Hydro Generating Company, the predecessor of FirstLight CT Housatonic LLC (“FirstLight or Licensee”), a 40-year license (“License”) for the operation of the Housatonic River Project No. 2576 (the “Project”). The Project consists of the following two conventional, two run of river, and one pumped storage hydroelectric developments on the Housatonic River.

Rocky River Station is the first pumped storage hydroelectric development in the United States and was constructed in 1927, Bulls Bridge Station is a run of river development and was constructed in 1904, Falls Village Station is a run of river development and was constructed in 1909, Stevenson Station is a conventional pond and release and was constructed in 1919 and Shepaug Station is a conventional pond and release and was constructed in 1955.

The License requires the Licensee to regulate, supervise, and control the use and occupancy of lands within the FERC Project boundary of the developments (“Project Boundary”). In accordance with Article 413 of License, the Licensee has the authority to grant permission for certain uses and occupancies or non-project uses (“Non-Project Uses”). Article 407 of the License required the Licensee to develop and submit for the FERC’s approval a Shoreline Management Plan (“SMP”) for managing reservoir shorelines and riverfront lands within the Project Boundary. The SMP establishes a comprehensive plan and permitting program for the authorization of Non-Project Uses on these Project lands and waters (“Shoreline and Land Uses”).

The FERC approved the SMP in 2013; however, such approval included several additional new requirements ordered by the FERC. These new requirements included the development, filing, approval and implementation of the “Candlewood Lake Overcrowding Plan” (January 2014, edited March 2014), the “Housatonic River Hydroelectric Project No. 2576 Article 407 Feasibility Report, Plan, and Schedule for Conservation Easements and Restrictions” (March 2014), and the “Shoreline Management Manual” (March 2014); as well as the filing of annual reports related to the seawall, vegetated buffers, and vessel pump out progress report.

FirstLight was also required to perform a comprehensive inventory of over two hundred miles of Project shorelines, and prepared and submitted to the FERC “Non-Conforming Structure Inventory Reports” for each of the five developments in the Project. FirstLight has also completed the installation of shoreline demonstration vegetated buffers on its lands. None of the activities noted above were contemplated when the 2013 SMP was negotiated and submitted to the FERC for approval; all of these additional programs and activities have been implemented by FirstLight at no cost to Property Owners.

The FERC additionally required a periodic review and update of the SMP to clarify the permitting procedures, guidelines, and standards for management of lands within the Project Boundary and to ensure the continuing protection of existing and future scenic, recreational, and environmental values at the Project.

In 2019, the first 6-year SMP review and update occurred, and the proposed modifications were approved by the FERC. These modifications to the SMP clarified and defined current and future acceptable Shoreline and Land Uses within the Project and the procedures and processes for FirstLight's authorization of these uses and associated activities. The history, through March 27, 2019, of the Shoreline Management Plan with timelines, requirements, and resolutions is further described in Appendix H.

The FERC order approving the revised SMP in 2019 required that as part of the 6-Year review process that FirstLight file, by March 27, 2025, a report describing its consultation process, any recommended modifications to the SMP, and its plan and schedule for addressing any modifications. As a result of that order, FirstLight has revised and updated the SMP, the Shoreline and Land Designation Maps, and the SMP Appendices.

The proposed process for future review, updates, and modifications to the SMP, maps, appendices, exhibits and guidelines is defined herein.

Terms not otherwise defined herein are set forth in the Glossary of Terms in Appendix B.

II. INTRODUCTION AND GOALS OF THE SHORELINE MANAGEMENT PLAN

FirstLight has an ongoing responsibility to permit, supervise and control Shoreline and Land Uses to ensure that authorized uses are consistent with Project purposes, such as protecting and enhancing the Project's scenic, recreational and environmental values.

FirstLight's SMP provides a comprehensive plan to manage the multiple resources and uses of the Project's shoreline in a manner that is consistent with the License requirements, does not interfere with property rights, and addresses the needs of the public.

FirstLight's SMP balances the interests of Property Owners, public recreational users, natural and historical resources, and the continued operation of the Project's hydro-electric facilities to supply the public with clean, renewable energy.

III. OBJECTIVES OF THE SHORELINE MANAGEMENT PLAN

Protect and Enhance Public Access and Recreational Opportunities:

Developed Recreational Lands and areas of Conservation Lands where potential future recreational access enhancements may occur are identified on the Shoreline and Land Designation Maps.

Preserve and Enhance Natural Resource Values (Wildlife, Water Quality, Riparian Habitat):

FirstLight has identified the Project purposes and allowable Shoreline and Land Uses that will be authorized based upon the shoreline land designations as well as the standards and guidelines herein. These standards ensure the protection and preservation of existing natural resources and promote the continuing improvement of environmental values.

Preserve Existing Aesthetic Resources (Balance Natural and Developed Vistas):

To balance future development pressure with the preservation of current resources, FirstLight has defined the existing conservation lands and areas of limited residential development at the Project and restricted the allowable shoreline land uses to ensure the protection of existing vistas and the preservation of natural areas.

Clarify Shoreline Permit Program and Process:

FirstLight has developed and updated shoreline permitting guidelines herein, which, taken in conjunction with the shoreline land designations, will determine allowable uses. These guidelines provide standards and procedures for the authorization of existing historical uses, encroachments and structures at the Project. These guidelines also define the allowable Shoreline and Land Uses and associated activities that will be authorized at the Project going forward.

Preserve Historic and Cultural Resources:

New England has a rich history and important cultural resources. Therefore, the Shoreline and Land Uses authorized into the future will minimize excavation of naturalized areas.

IV. TERM

The effective date of the SMP, March 27, 2013, is the date on which it was approved by the FERC. Subsequently, following the first 6-year review and update in 2019, revisions to the SMP were approved by the FERC on 8/12/2019 and shall remain effective until approval by the FERC of the 2025 revisions. The 2025 revisions to the SMP shall then remain in effect until a.) approval by the FERC of any future revisions submitted consistent with Section V. Review and FERC Approval, b.) the expiration of the License, or c.) as otherwise determined by the FERC. Revisions to the Shoreline and Land Designation Maps and other Appendices shall be effective upon the date of notice on the FERC docket and shall be effective until a.) further revised and noticed on the FERC Docket or b.) the expiration of the term of the SMP.

V. REVIEW AND FERC APPROVAL

This SMP is submitted by FirstLight to the FERC for review and approval to the extent of its jurisdiction.

FirstLight will continue to review the SMP and supporting maps, appendices, guidelines, and exhibits.

As part of its next review and update of the SMP, FirstLight will file, by March 27, 2035, a report describing its stakeholder consultation, any recommended modifications to the SMP, and its plan and schedule for addressing any such modifications.

FirstLight reserves the right to revise the Shoreline and Land Designation Maps and other Appendices, without stakeholder review or input. This will allow for a Shoreline Management Plan which can be modified to meet the changing socioeconomic, public, private, Project, natural and historical resources interests that are balanced by the Licensee. Any updates will be noticed on the FERC docket and made available to the public on FirstLight's website. The Shoreline Design Manual and other informational material, which is available on FirstLight's website, will also be updated periodically to reflect these revisions.

Following approval by the FERC of the 2025 SMP revisions and any subsequent revisions to the SMP, FirstLight will modify, if necessary, the "Shoreline Design Manual", the "Feasibility Report, Plan, and Schedule for Conservation Easements and Restrictions", and the "Candlewood Boat Overcrowding Plan" to be consistent with the updates and revisions to the SMP.

VI. STAKEHOLDER CONSULTATION AND SUPPORT

The SMP is the product of a collaborative effort among the relevant municipalities, federal and state agencies, the public and other interested parties. Stakeholders shall meet once as part of the next review and update of the SMP. The stakeholders and their responsibilities are further defined in Appendix G. FirstLight looks forward to continuing communications with all the Stakeholders under all facets of the FERC License.

VII. MUNICIPAL AND STATE JURISDICTION

This section of the SMP provides a discussion of local government and other land use regulations that may affect Project resources, and the processes employed by FirstLight to coordinate its efforts with local, state and federal agencies. This section provides a discussion of the responsibilities of entities that provide for the protection of public safety, public health and natural and historical resources within the Project Boundary.

- a) FirstLight does not have, as part of its authority under the Federal Power Act, jurisdiction over public health and water quality. Therefore, the State of Connecticut Department of Public Health (“CTDPH”), local health departments, State of Connecticut Department of Energy and Environmental Protection (“CTDEEP”) and any other jurisdictional bodies are primarily responsible for public health and water quality, consistent with their regulatory authority on and in both Project lands and Project waters.
- b) FirstLight does not have, as part of its authority under the Federal Power Act, jurisdiction over public safety, such as police, fire or emergency response powers. Municipal, State and Federal entities have various levels of jurisdiction over boating and other police powers within the Project Boundary.
- c) FirstLight maintains a Public Safety Plan to ensure that FirstLight’s Project Operations do not endanger the public. The Public Safety Plan defines areas that are not open to the public for dam safety and other operational purposes.
- d) The State of Connecticut has created Municipal Powers under 22a-36 through 22a-45 of the General Statutes of Connecticut to regulate certain activities with the potential to impact areas within and adjacent to inland wetlands and watercourses in Connecticut. In addition, FirstLight has the obligation to ensure that the activities and structures that it authorizes do not adversely impact the Project or its natural and historical resource values.
- e) FirstLight works cooperatively with local wetlands and watercourse commissions and may require applicants who FirstLight determines are proposing a potential significant activity to seek local wetland and watercourse permits. FirstLight reserves its authority to approve or deny all applications to occupy Project lands.
- f) FirstLight regularly works with the State of Connecticut, Office of the State Building Inspector and Local Building Inspectors to ensure all structures are constructed and maintained in a safe condition. These governmental entities ensure that, consistent with the State Building Code, the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such buildings or structures is done so in a manner that ensures public safety. FirstLight may request inspection, condemnation and other services from these entities as part of its compliance with the terms of this SMP.
- g) Applicants who apply to FirstLight are responsible for securing all the necessary government approvals and permits required prior to the issuance of a FirstLight authorization for an activity or use within the Project Boundary.

- h) In a case decided after FirstLight's submission of the 2013 SMP, the Connecticut Supreme Court ruled that all municipal zoning laws are federally pre-empted by the Federal Power Act. Therefore, municipal zoning authorities do not have the jurisdiction to issue permits, variances, enforce their regulations or undertake any actions within the Project Boundary. However, FirstLight generally refers to the municipal zoning use category for property adjacent to the Project to determine what type of uses it will permit within the Project Boundary.

VIII. SHORELINE AND LAND DESIGNATIONS

The Shoreline and Land Designations represent the existing land use conditions both inside and outside the Project Boundary and identify the potential for future Shoreline and Land Uses that could occur within the Project Boundary. The updates to the Shoreline and Land Designations were based on review of the current use of lands outside the Project boundary and the review of the historical use, project resources, and project operation requirements of lands within the Project Boundary.

SHORELINE AND LAND DESIGNATIONS AND DETERMINING FUTURE USES AND ACTIVITIES

FirstLight has updated the Shoreline and Land Designations Chart below and the Shoreline and Land Designation Maps in Appendix A. The maps and any future updates to the maps will be posted on FirstLight’s website. By referencing the Shoreline and Land Designation Maps, Property Owners can first identify their adjoining Shoreline and Land Designation. The Shoreline and Land Designation Chart can then be referenced for information on the Project resources that are to be protected and preserved by the SMP and identify potentially allowable future Shoreline and Land Uses. This methodology allows Property Owners and FirstLight to more clearly define natural and environmental resources to be protected and what uses and activities are potentially permissible within the Project Boundary. All potentially permissible uses and associated activities must obtain authorization from FirstLight through FirstLight’s shoreline permit and authorization program and are subject to the authorization processes, standards, and guidelines herein.

SHORELINE AND LAND DESIGNATION CHART

TABLE 1 - SHORELINE AND LAND DESIGNATION CHART		
DESIGNATION	DESCRIPTION	ALLOWABLE USES
Commercial Lands	Lands and waters within the Project Boundary historically characterized by existing and newly proposed commercial private marinas, waterfront restaurants, event facilities, and marine service providers. These lands shall be managed to allow for continued commercial use, which provides the public access to recreational and sporting opportunities and allows abutters to have service providers maintain their uses in good working order. These uses are managed under a separate authorization process outside the SMP, consistent with the requirements of License Article 413.	Private Commercial Facilities: Existing and historical Marinas, Restaurants, Marine Service Providers and other Private Existing Commercial Facilities are Managed by FirstLight through current contracts and agreements Newly Proposed Commercial Facilities are managed by FirstLight with review and approval by the FERC under License Article 413 and are not included in the SMP.

TABLE 1 - SHORELINE AND LAND DESIGNATION CHART continued		
DESIGNATION	DESCRIPTION	ALLOWABLE USES
Conservation Lands	Lands within the Project Boundary that will be managed for environmental protection and conservation, to protect important natural and cultural resource values such as fish and wildlife habitat, open space, and/or aesthetic resources. These lands are subject to a 200' Vegetated Riparian Buffer Zone. These lands are candidates for voluntary conservation restrictions consistent with the "Feasibility Report, Plan and Schedule for Conservation Easements and Restrictions".	<ul style="list-style-type: none"> Soil Stabilization Techniques Trail and Greenway Development Wildlife and Habitat enhancements Educational Signage Invasive Species Management Improved Public Access Points Other Resource Protection and Preservation uses at the discretion of FirstLight
Developed Recreational Lands	Lands within the Project Boundary which currently provide access to the recreational public, including Municipal, State and Project recreational facilities. These lands can be allowed future Shoreline and Land Uses that benefit the public and protect existing resource values. These lands are subject to a 50' Vegetated Riparian Buffer Zone. These lands are candidates for voluntary conservation restrictions consistent with the "Feasibility Report, Plan and Schedule for Conservation Easements and Restrictions".	<ul style="list-style-type: none"> Enhanced Public Access Uses Boat Landings, Boat Ramps & Beaches to serve the Public Public Park & Recreational Facilities Trail and Greenway Development Wildlife and Habitat Enhancements Soil Stabilization Techniques Other Publicly Available uses at the discretion of FirstLight

TABLE 1 - SHORELINE AND LAND DESIGNATION CHART continued

DESIGNATION	DESCRIPTION	ALLOWABLE USES
<p>Limited Residential Shoreline Lands</p>	<p>Lands within the Project Boundary which are limited in development and managed for environmental protection and conservation. Applicants may apply for uses consistent with the applicant’s property rights and future shoreline and land use development may be restricted to protect and preserve existing natural resources. These lands are subject to a 200’ Vegetated Riparian Buffer Zone within the Project Boundary. These lands are candidates for voluntary conservation restrictions consistent with the “Feasibility Report, Plan and Schedule for Conservation Easements and Restrictions”.</p>	<p>Limited Vegetation Clearing and the Installation of Vegetated Riparian Buffers</p> <p>Paths, Steps, Walkways over Project Lands to Project Waters</p> <p>Community Uses and Docks</p> <p>Private Residential Docks</p> <p>Shoreline Armament</p> <p>Other Shoreline and Land Uses that are Determined by FirstLight to be Limited Activity Uses</p>
<p>Developed Residential Shoreline Lands</p>	<p>Lands within the Project Boundary which are characterized by historic residential and community development. These lands may have existing non-conforming structures and/or encroachments. These lands are subject to a 50’ Vegetated Riparian Buffer Zone within the Project Boundary. Applicants may apply for uses consistent with the applicant’s property rights and future Shoreline and Land Uses as defined within the SMP. Future shoreline and land use development may be restricted to protect and preserve existing natural resources. These lands are candidates for voluntary conservation restrictions consistent with the “Feasibility Report, Plan and Schedule for Conservation Easements and Restrictions”.</p>	<p>Limited Vegetation Clearing and the Installation of Vegetated Riparian Buffers</p> <p>Paths, Steps, Walkways over Project Lands to Project Waters</p> <p>Community Uses and Docks</p> <p>Private Residential Docks</p> <p>Seawalls, Rip Rap and other Shoreline Armament</p> <p>Retaining Walls, Level Sitting Areas, Temporary Structures</p> <p>Existing Habitable Encroachments and other Structures</p> <p>Boat Landings, Boat Ramps and Boat Racks</p> <p>Other Shoreline and Land Uses that are determined by FirstLight to be Limited Activity Uses and/or Significant Activity Uses</p>

TABLE 1- SHORELINE AND LAND DESIGNATION CHART continued		
DESIGNATION	DESCRIPTION	ALLOWABLE USES
Non-Shoreline Lands	<p>Lands within the Project Boundary that are not adjacent to Project waters and are undeveloped or characterized by historical development. These lands may have existing non-conforming structures and/or encroachments. Applicants may apply for uses consistent with the historical use, land use on immediately adjacent lands outside the Project Boundary, the applicant's property rights, and land uses as defined within the SMP. These lands have the potential for applicants to apply for future land uses. Future land use development may be restricted to protect and preserve existing natural resources. These lands are candidates for voluntary conservation restrictions consistent with the "Feasibility Report, Plan and Schedule for Conservation Easements and Restrictions".</p>	<p>Limited Vegetation Clearing and the Installation of Vegetated Riparian Buffers or Wildlife Habitat Plantings and Habitat Restoration.</p> <p>Residential Type Land-based Uses that are determined by FirstLight to be consistent with the uses defined within the SMP.</p> <p>Conservation or Recreational Uses consistent with allowable uses on Conservation Lands and Developed Recreational Lands.</p> <p>Commercial Facilities consistent with allowable uses on Commercial Lands with review and approval by the FERC under License Article 413.</p> <p>Other uses at the discretion of FirstLight.</p>
Project Operational Lands	<p>Lands within the Project Boundary dedicated to Project operations including generation facilities, dams, switchyards, transmission lines and other activities. These lands will be managed by FirstLight for the installation and maintenance of generation, transmission and distribution facilities to provide electricity for the public.</p>	<p>Private uses to support the operation of the Project Facilities including water retaining and conveyance structures, utilities, transmission, communication facilities.</p> <p>Other uses at the discretion of FirstLight.</p>

IX. SHORELINE AND LAND USE AUTHORIZATION

Property Owners must have authorization from FirstLight for their, Shoreline and Land Uses, within the Project Boundary. These Shoreline and Land Uses include but are not limited to docks and related uses, such as boatlifts and Personal Watercraft lifts or ports; shoreline uses such as seawalls, ramps to water, rip-rap revetments, or jetties; and land-based uses such as retaining walls, or paths. Any proposed activity to repair an existing use, modify an existing use, or construct or install a new use; as well as activities such as vegetation pruning, removal, and/or any modification to the vegetated buffer area also requires authorization from FirstLight. Shoreline and Land Uses and associated activities may be authorized at FirstLight's discretion subject to the procedures, standards, and guidelines defined herein and in the Appendices.

Uses and Activities That Can Not Be Authorized

Uses and Activities may only be authorized if such Uses and Activities do not:

- Present a threat to safety or health
- Interfere with Project operations
- Impede navigation
- Unduly interfere with the ability of others to properly exercise their Property Rights
- Are required to be removed by FERC

Previously Authorized Uses and Structures

Many Shoreline and Land Uses have been previously authorized by FirstLight through the issuance of a lease, license, permit or other legal agreement between the Property Owner and FirstLight or its predecessor. Such uses, as defined within such agreements, may remain or activities may occur within the Project Boundary as long as such agreement is in effect and all terms and conditions of the agreement are being met. In all cases, FirstLight reserves the right to exercise its legal rights and revoke or terminate any such agreement and require that Project lands be restored to the satisfaction of FirstLight.

Unpermitted Existing Uses and Proposed Uses and Activities

For any unpermitted existing use or any proposed shoreline and land use and associated activity to repair, replace, install, or construct a new use, a Property Owner must start an application and submit the required application materials to FirstLight for review and potential authorization. FirstLight's determination of allowable Shoreline and Land Uses and associated activities shall be based upon the type of Shoreline and Land Designation within the Project Boundary and at the discretion of FirstLight. FirstLight has established a shoreline permit and authorization program to manage residential type Shoreline and Land Uses within the Project. The procedures, standards, and guidelines for these uses and activities on residential type lands are defined herein and provide Property Owners guidance on the acceptable uses and associated activities that can be applied for. The lands within the Project Boundary designated as commercial, public recreational, project operational, conservation, and non-shoreline lands are managed through a separate permitting process at the discretion of FirstLight and may be subject to separate FERC requirements.

X. SHORELINE AND LAND USE TYPES

A. EXISTING USES AND STRUCTURES

Existing Uses are docks, shoreline uses, land uses, structures and/or encroachments that have historically existed and can be authorized under the following existing use and structure standards and guidelines, or through an application review and authorization process. Existing Uses within the Project Boundary owned and maintained by Property Owners that have historically existed and have been inventoried by FirstLight may be allowed to remain as outlined below.

Registration of Existing Uses

FirstLight may authorize acceptable uses through a registration or permitting process below:

Registered Existing Uses: Existing Uses that have been registered through the issuance of a Certificate of Permission by FirstLight may remain within the Project Boundary if such uses meet all terms and conditions of the Certificate of Permission.

Unregistered Existing Uses: Existing Uses that have not been registered through the issuance of a Certificate of Permission or that have not been otherwise authorized by FirstLight through the issuance of a permit may only remain within the Project Boundary if an application is submitted for review and approval by FirstLight according to the Shoreline Management Plan and Appendix C. Shoreline and Land Permit Guidelines.

Existing Community Uses: Existing Community Uses may only remain within the Project Boundary if an application is submitted for review and approval by FirstLight according to the Shoreline Management Plan and Appendix C. Shoreline and Land Use Permit Guidelines.

Registration and Permitting of Existing Structures and Encroachments

FirstLight may authorize existing inventoried habitable structures and/or encroachments within the Project Boundary subject to the requirements for Existing Uses and the FERC approved Non-Conforming Inventory Structure Reports for the Project.

Existing Septic Systems

If a septic system is located on FirstLight's property within the Project Boundary, it may be allowed to remain if it is not discharging effluent into Project waters and if the owner of the septic system has a valid permit from the Health Department. Existing septic systems that have failed may be allowed by FirstLight to remain only if they are repaired or replaced, and permitted by the Health Department, and if an independent registered professional engineer provides documentation that it is not practicable to relocate the septic system outside the Project Boundary. No new septic systems, repairs or replacement of septic systems that would support a greater number of bedrooms than the existing system may be installed within the Project Boundary. Connecticut Public Health Code Regulation Sec. 19-13-B103d(d) requires that a septic system shall be located on the same lot as the building served. FirstLight will not grant property easements to allow septic systems within the Project Boundary. Furthermore, many Property Owner's deeds expressly prohibit the discharge of sewage onto FirstLight lands and/or Project waters.

B. ACTIVITY TYPE USES

Activities such as repairs, modifications to an existing use, and new uses and associated activities may be authorized as an Activity Type Use. Activity Type Uses are further classified according to Appendix C. Shoreline and Land Use Permit Guidelines. Certain Activity Type Uses classified as Significant Activity Use(s) have a greater potential to impact Project lands and waters and are subject to additional application, permit, and FERC reporting requirements.

C. USES AND ACTIVITIES THAT REQUIRE FERC APPROVAL

FirstLight, at its discretion, may seek authorization from the FERC as part of License Article 413 to address specific issues that arise at the Project over time. There are several activities that require the FERC's approval, as further detailed in Appendix D.

XI. STANDARDS AND GUIDELINES FOR SHORELINE AND LAND USES

Shoreline and Land Uses and associated Activities may be authorized by FirstLight subject to the requirements herein, the following standards and guidelines, and additional limits and requirements as outlined and described in Appendix C Shoreline and Permit Guidelines.

A. DOCKS

Dock Use Restrictions

Residential Dock Use: All residential docks and boat slips may only be used for private, non-commercial use and may be classified as boat docks, swim docks, fishing docks, or other similar dock types.

Unless specifically authorized by FirstLight due to site-specific conditions the following shall apply:

- Not more than four (4) registered vessels shall be secured at a dock and/or on lifts or ports. Unless FirstLight approves an exception, registered vessels shall consist of two (2) registered boats and/or two (2) registered Personal Watercraft (PWC).
- Registered boats shall only be secured at a dock designated as a boat dock and/or on a lift(s) associated with the boat dock.
- PWC may be secured at a separate PWC ramp, lift, port, or dock.
- Non-motorized boats such as canoes, rowboats, sailboats and kayaks may be secured at a dock, lift, ramp, port or on shore.

Community Dock Use: All community docks, boat slips, and Personal Watercraft (PWC) lifts or ports may only be used for the private, non-commercial use of the community members and their invited guests. Community docks shall only be offered for rental to property owners within the community. Only property owners who are members of the community can secure vessels overnight.

Existing Docks

Existing Docks may remain subject to the requirements for Existing Uses herein. The replacement of any existing dock structure requires authorization from FirstLight. FirstLight may require the removal of Existing Docks with permanent structural contact with submerged lands. With any proposed change in the size, configuration, or location of the dock, all the requirements for New or Modified Docks shall apply.

New or Modified Docks

The following standards and guidelines apply to any new and/or modified dock.

- a) Docks shall be located so as not to interfere with navigation or the rights of others.
- b) Authorization of new or replacement fixed docks may be considered. Docks shall have no permanent structural contact with the submerged land, and placement shall not require excavation of submerged land.
- c) Docks shall be securely anchored to a concrete bulkhead or other masonry structure, approved fixed dock, or natural feature with detachable hardware.
- d) Dock surface materials for new and replacement docks, floats, catwalks and stairs should be constructed of materials that are naturally rot resistant, such as cedar, pressure treated lumber, metal, or synthetic composite materials.
- e) Dock flotation materials used in new and replacement docks must be completely enclosed to prevent the materials from being chewed by animals, from breaking apart or from floating away. The enclosure material used must be impact resistant, puncture-proof, and non-corrosive.
- f) Docks and stairs shall not have permanent roofs, second stories or electrical utilities.
- g) The location and configuration of residential docks is specific to the intended use at each site location and is subject to the following guidelines. Additional design, construction, and installation requirements may apply as required by FirstLight.
 - A minimum of fifteen (15) foot setback from either side lot line projection into the waterway shall be required, unless a narrower setback is specifically authorized or required by FirstLight.
 - Docks shall not exceed four hundred (400) square feet of contiguous floating platform. The maximum allowable total dock area, including but not limited to the area of floating platform(s), that is authorized to a Property Owner is site specific and FirstLight may, at its discretion, require that the total dock area be minimized or reduced.
 - The maximum allowable length of the dock as measured from the shoreline is site specific. Docks should not extend farther than forty (40) feet into Project waters unless a longer length is specially authorized by FirstLight. Under no circumstances may the dock extend out into a bay or narrow part of the lake greater than one third the width of the opening of the bay or narrow, nor shall it impose any type of navigational hazard in the judgment of Connecticut Department of Energy and Environmental Protection (“CTDEEP”).

- h) Community docks are subject to the following guidelines. Additional design, construction, and installation requirements may apply as required by FirstLight.
- Replacement of community docks is limited to the existing dock system configuration. Modifications to the size, location, and configuration and number of slips may require additional FERC authorization as set forth in License Article 413.
 - Under no circumstances may the dock(s) extend out into a bay or narrow part of the lake greater than one third the width of the opening of the bay or narrow, nor shall it impose any type of navigational hazard in the judgment of CTDEEP.
 - Community docks shall be designed to secure registered vessels, boats and/or registered Personal Watercraft (PWC). One empty slip may remain open for temporary docking of invited guests.

B. DERELICT DOCKS

All entities shall be responsible for maintaining their docks in a safe working condition. If a dock is to be removed or replaced, the old dock must be disposed of properly outside the Project Boundary. FirstLight or its agents, the respective police, boating authority or any others may endeavor to secure, remove and/or dispose of any derelict docks that break loose and could cause a hazard to boating navigation.

FirstLight will charge the owner of a derelict dock an enforcement fee plus the cost of recovering and disposing of the dock. The owner of the derelict dock may additionally be subject to loss of their shoreline and land use authorization.

C. VESSEL MOORINGS AND NAVIGATIONAL OR REGULATORY BUOYS

Except as previously authorized by FirstLight, vessel moorings are prohibited within the Project Boundary.

FirstLight shall have the discretion to approve new vessel moorings to accommodate individuals and communities with deeded dock rights where, at FirstLight's determination, site conditions are not conducive to dock installation.

Unauthorized vessel moorings and other buoys shall not be used as marker buoys to demarcate swimming areas or prevent boats from traveling near the shoreline. If found, these moorings or buoys are subject to removal by FirstLight or the respective authorities without prior notice.

Prior to authorization by FirstLight, all new moorings must be approved by the CTDEEP in accordance with applicable regulations.

The placement of boating navigational and regulatory markers or buoys on Project waters requires a permit from the State of Connecticut Boating Division.

D. SHORELINE USES AND OTHER SIMILAR USES

Shoreline Uses and other similar uses (“Shoreline Uses”) located at or immediately near the water’s edge may include:

- Uses intended to stabilize the shoreline and prevent erosion such as seawalls, riprap revetments, and other methods of shoreline stabilization or armament.
- Uses that attenuate wave action and/or prevent scouring such as jetties, breakwaters, or other similar uses.
- Uses that provide access to Project waters such as steps and ramps to the water, boat ramps, boat landing-beaches, or other similar uses.
- Other uses such as historic fixed dock piers and boathouses

Existing Shoreline Uses:

Existing Shoreline Uses may remain subject to the requirements for Existing Uses herein.

The repair, replacement, resurfacing, of an existing Shoreline Use and/or installation or construction of a new Shoreline Use shall be subject to all the requirements, standards, and guidelines for an Activity Type Use. The standards and guidelines for Shoreline Uses herein, and as further detailed in Appendix C. Shoreline and Land Use Permit Guidelines.

Standards and Guidelines for Shoreline Uses:

The following standards and guidelines shall apply to any Shoreline Uses classified as an Activity Type Use.

Shoreline Stabilization, Jetties, and Similar Uses:

FirstLight’s authorization of uses for shoreline stabilization and armament is site-specific; factors such as slope, wave action, and impact of ice must be considered.

- a) FirstLight shall communicate more environmentally benign alternatives to solid concrete armament or seawalls through its guidelines and education materials. Environmentally benign alternatives to seawalls shall be considered with any proposal to repair or replace an existing seawall or with proposals to construct a new seawall. FirstLight’s “Shoreline Design Manual” provides information and details on alternative techniques for shoreline stabilization.
- b) Allowable methods of shoreline stabilization may include new and replacement seawalls or alternative shoreline stabilization techniques, such as but not limited to, riprap revetments, stacked boulder walls or bioengineering. In addition to these techniques, jetties and breakwaters may be used to aid in the stabilization and protection of Project shorelines.
- c) Intermediate techniques to extend the life of an existing seawall, such as buttressing and placement of rip rap or stone at the base of the wall, may be considered. Natural stone from the adjacent lakebed may be utilized.
- d) Proposals for the repair or replacement of an existing seawall, and/or construction of a new seawall may, at FirstLight’s discretion, be subject to all the requirements and conditions of a Significant Activity Use application and permit.

- e) New or replacement seawalls shall only be located at the existing or historical shoreline.
- f) To stabilize eroded shoreline areas and to tie into the existing grades at the shoreline, alternative shoreline stabilization techniques may extend beyond the existing shoreline into Project waters.
- g) Jetties and breakwaters shall be located and designed so as not to interfere with the rights of others or to impact navigation.
- h) Seawalls shall be constructed in such a manner that they dissipate and/or absorb wave action energy and prevent any subsequent soil erosion of the existing shoreline.
- i) Seawalls shall be constructed for the purpose of minimizing direct run-off and promoting infiltration of Stormwater before it enters Project waters.
- j) FirstLight, at its sole discretion, may require that shoreline stabilization, jetties, or other similar uses be designed and/or evaluated by a CT Licensed Engineer.
- k) For proposals for the repair or replacement of an existing seawall and/or the construction of a new seawall, FirstLight may require, at its discretion, a site-specific evaluation and justification by a CT Licensed Engineer. The evaluation must include site conditions including, but not limited to, the slope of shoreline, areas of shoreline erosion, wave action, prevailing winds, ice impacts, and other similar factors. FirstLight may waive such requirements if a.) the Property Owner has submitted sufficient information to establish that they have express deeded rights to the construction of seawalls or other shoreline armament to FirstLight and/or b.) if such requirements are not practicable or feasible, violate applicable law, or if immediate action is required to stabilize the shoreline. FirstLight reserves the right to waive, as necessary, any of these shoreline stabilization requirements detailed. Such cases shall be documented by FirstLight and reported according to XVII. REPORTS.

Steps and Ramps to Water:

- a) The use of steps and ramps to water shall be limited to pedestrian access and/or the launching of small non-motorized watercraft.
- b) Steps and ramps may extend beyond the existing shoreline to allow for reasonable and safe access.
- c) Steps and ramps shall be designed to minimize shoreline erosion and scouring. Where site conditions allow, environmentally benign alternatives to concrete or asphalt paving shall be considered.
- d) FirstLight, at its sole discretion, may require that ramps be designed by a Licensed Professional or CT Licensed Engineer.

Boat Landings/Beaches:

- a) The reclamation, repair or installation of boat landing/beach areas may be authorized to facilitate pedestrian water access and/or for the purposes of launching or landing kayaks, small sailboats, or other small non-motorized watercraft or for the purposes of non-trailer launching or landing of motorized watercraft.
- b) The replenishment or placement of beach sands shall be at the discretion of FirstLight.
- c) FirstLight may require the removal of existing beach sands and/or implementation of measures to prevent erosion and drift of placed beach sands.

Trailer Boat Ramps:

- a) FirstLight, at its sole discretion, may consider the authorization of trailer boat ramps.
- b) Trailer boat ramps are for private, non-commercial use of Property Owners or Communities only.
- c) Trailer boat ramps shall be designed to allow for the safe launching of vessels. Ramps shall extend below the minimum elevation of the impoundment.
- d) Where site conditions allow, boat ramps shall be surfaced with gravel, crushed stone, or similar material, using shoreline erosion control matting or pervious paving systems in place of concrete or asphalt paving.
- e) Rip rap shall be placed at the toe and edges of the ramp to prevent scouring.
- f) FirstLight, at its discretion, may require that trailer boat ramps be designed by a CT Licensed Engineer.

Dock Bulkheads, Piers, Boathouses, and other Similar Uses:

- a) Dock bulkheads constructed as a structural component at shoreline for the purpose of securing dock catwalk or other dock, boat lift, or Personal Watercraft (PWC) ramp-lift components to shoreline may be authorized. FirstLight, at its sole discretion, may require that bulkheads be designed by a CT Licensed Engineer.

- b) Piers constructed of masonry or wooden structures cantilevered from the shoreline and/or with permanent structural contact with the lakebed, boathouses, and other similar structures located at or extending from the shoreline have historically existed. Such structures shall not be authorized as new. FirstLight, at its sole discretion, may consider the authorization of repairs, renovation, or rebuilding of these structures.
 - FirstLight may, at its discretion, require the removal and/or a reduction in the overall footprint of any such structure.
 - Modifications in size, location, and configuration may be considered at FirstLight's sole discretion if a site-specific justification is provided.
 - A change in use of boathouses and similar structures may be considered. In no case shall such structures be maintained or converted to a habitable living space.
 - FirstLight, at its discretion, may require an inspection, evaluation, and/or design by a CT Licensed Professional or CT Licensed Engineer.

E. LAND-BASED AND OTHER SIMILAR USES

Land-based and other similar uses (Land-based Uses) are located upslope from the shoreline, between the water's edge and the Project Boundary, and may include:

- Uses intended to provide reasonable access to Project lands and waters, such as steps, paths, retaining walls, and level seating areas.
- Other typical Land-based Uses, many of which have existed historically, such as sheds, gazebos and other shade structures, patios, and decks.
- Ancillary Uses, such as boat racks, campfire pits, flagpoles, fencing, guardrails, electrical and utilities and other similar uses.
- Uses associated with the installation and construction of Activity Type Uses and/or the restoration of Project lands, such as alterations to existing grades, removal of trees, land disturbance, temporary erosion and sediment control measures, and other similar Uses.

Existing Land-based Uses:

Existing Land-based Uses may remain subject to the requirements for Existing Uses herein.

The repair and/or replacement of an existing Land-based Use and/or installation or construction of a new Land-based Use shall be subject to all the requirements, standards, and guidelines for an Activity Type Use. The standards and guidelines for Land-based Uses herein and as further detailed in Appendix C. Shoreline and Land Use Permit Guidelines shall apply.

Standards and Guidelines for Land-based Uses:

The following standards and guidelines shall apply to Land-based Uses classified as an Activity Type Use.

- a) Where land areas are encumbered by FirstLight's Flowage Rights, Uses and associated Activities shall not materially interfere with FirstLight's rights to inundate Project lands with water and ice within the Project boundary.
- b) Land-based Uses shall be subject to all the requirements and conditions of Significant Activity Use application and permit if any of the following apply:
 - The use is defined within Appendix C as a Significant Activity Use
 - Significant land disturbance is required, including but not limited to extensive vegetation removal, terracing, or other substantial site grading and earth moving,
 - The impervious surface area is substantially increased.
 - FirstLight, at its sole discretion, determines that the Use may have a significant impact on Project lands and waters.
- c) Additional standards and guidelines, height, size, or other limits; as well as design and construction standards and guidelines apply to certain Uses and are defined in Appendix C. Shoreline and Land Use Permit Guidelines.
- d) FirstLight, at its discretion, may require an inspection, evaluation, and/or design by a CT Licensed Professional or CT Licensed Engineer for any Land-based Use.

Retaining Walls, Steps and Paths, Access Paths, Seating Areas, Patios and Other Similar Uses

- a) Retaining walls, steps and paths, access paths, seating areas, patios and other similar uses shall be designed and constructed to minimize direct run-off and promote infiltration of Stormwater before it enters Project waters.
- b) Access Paths: Access paths may be used for transporting non-motorized watercraft and/or for small, motorized vehicles. Access paths for motorized vehicles may be of a sufficient width to allow for vehicular access. The width of access paths shall be limited as further defined in Appendix C. Shoreline and Land Use Permit Guidelines.
- c) Level Seating Areas: Level seating areas shall only be surfaced with sand, pea gravel, mulch, lawn or other similar material as authorized by FirstLight. Level seating areas shall not be surfaced or resurfaced with concrete, masonry, stone, brick, or impervious pavers.
- d) Patios: FirstLight encourages the resurfacing or replacement of impervious patio or terrace areas with pervious surfaces. At FirstLight's discretion, if an existing patio or terrace area is replaced and such plans incorporate the use of pervious surfaces, the size, location, and configuration may be modified. FirstLight, at its discretion may also require the replacement or reduction in size of impervious patios. The authorization of new patios or terrace areas can only be considered if the patio is within the area limits as defined in Appendix C. Shoreline and Permit Guidelines. New patio and terrace areas shall only be constructed of FirstLight approved pervious materials.
- e) Retaining Walls: Retaining walls and edging shall be limited in height and only be constructed as necessary for site stabilization, to provide reasonable access to Project lands and waters, and/or to minimally modify existing grades for the installation of other uses. Retaining walls that are greater in height and/or multiple levels of retaining walls that terrace project lands shall, as further defined in Appendix C. Shoreline and Land Use Guidelines and at FirstLight's discretion, be subject to all the requirements and conditions of a Significant Activity Use application and permit.
- f) Steps Paths: Steps, paths and walkways shall only be for pedestrian use. The width of such paths shall be limited as further defined in Appendix C. Shoreline and Land Use Guidelines. Such steps, paths, and walkways may have a surface of mulch or crushed stone, or a hardened surface such as stone, masonry, brick, concrete, or pavers. FirstLight encourages the use of environmentally benign materials and pervious surfaces.

Decks, Shade Structures, Storage Structures and other Similar Uses

- a) All such structures shall be temporary detached accessory structures not intended for habitable use.
- b) The location and/or configuration of existing decks, shade structures, and storage structures may be modified at FirstLight's discretion.
- c) The repair and rebuilding of existing decks, shade structures, storage structures shall be limited to the existing footprint unless there is a reduction in the total floor area of the structure.
- d) The authorization of new decks, shade structures, and storage structures can only be considered if the size of the structures are within the area, height, and other limits as defined in Appendix C. Shoreline and Permit Guidelines.

Other Upslope and Land-based Uses:

- a) Boat Racks: Boat Racks shall be used for the sole purpose of storage of non-registered boats and related accessories such as paddles, sails, and life vests.
- b) Campfire Pits: Campfire pits and campfires must comply with all applicable State and local requirements. FirstLight does not permit the construction of chimney stacks.
- c) Electrical and Utility: All electrical and utility installations on FirstLight's lands shall comply with all applicable codes and shall be inspected or installed by a Qualified Person or a CT Licensed Electrician. Such uses are only allowed at FirstLight's discretion and may be subject to additional requirements and conditions as determined by FirstLight.
- d) Fences: Fences no greater than six feet high may be permitted at the discretion of FirstLight, provided they do not interfere with public access to FirstLight lands within the Project Boundary, interfere with the passage of wildlife, or extend into Project waters.
- e) Irrigation Pumps and Intakes: Water pumps and water intakes may only be used for irrigation and may be authorized by FirstLight. FirstLight does not authorize the installation or maintenance of submersible irrigation pumps. Such pumps are subject to removal.
- f) Recreation Equipment: The temporary installation of swings or other playground equipment may be authorized. All equipment must be installed and maintained to meet all manufacturers' specifications and applicable law.
- g) Other Uses: Other similar uses such as flagpoles, handrails and guardrails may also be considered at the discretion of FirstLight.

F. STORMWATER USES AND STORMWATER MANAGEMENT

New Stormwater discharges are not allowed within the Project boundary unless they employ current State of Connecticut Stormwater Quality Manual's best management practices. FirstLight currently encourages the incorporation of Low Impact Development (LID) techniques to promote infiltration and reduce direct run-off to Project waters.

Existing pipes and other conveyances that occupy Project lands or waters within the Project boundary must be authorized by FirstLight to remain.

FirstLight may, at its discretion, convey easements, rights of way or enter into agreements for use of Project lands for storm drains or other conveyances consistent with the requirements of Article 413 of the License.

To provide further guidance to applicants on best management practices for Stormwater, FirstLight may, as part of its educational materials, develop additional guidance information and requirements relevant to Stormwater management, LID designs and other construction guidelines for retrofitting existing as well as installing new conveyances.

G. VEGETATED RIPARIAN BUFFERS

The preservation or re-establishment of Vegetated Riparian Buffers is required. Existing buffer areas cannot be altered without prior authorization from FirstLight. In cases where there is not an existing compliant buffer area, the enhancement of the buffer area shall be required as a condition of the approval of other shoreline and land uses. The buffer zone depth is determined by the shoreline and land use designation. Vegetated Buffer requirements and guidelines are as set forth herein and as defined within the Shoreline Design Manual.

Vegetated Riparian Buffer Zones: Vegetated Riparian Buffer Zones are established by FirstLight on all shorelines within the Project Boundary in two intervals of either fifty (50) feet or two hundred (200) feet based upon the Shoreline Land Designations and associated maps. These zones are intended to provide for the establishment of native vegetated cover plants, over time, to the extent reasonable and practicable. These Zones may or may not currently support native vegetated cover.

Vegetated Riparian Buffer Zone Depths: The Vegetated Buffer Zone is measured horizontally from the high-water mark, which is the maximum normal operating level of the reservoir. The depth of the Zone will vary depending on the Shoreline Land Designation. The Zone depth for Developed Recreational Lands and Developed Residential lands owned by FirstLight is fifty (50) feet or the Project Boundary, whichever is less. For Conservation Lands and Limited Residential Lands owned by FirstLight, the depth of the buffer zone is two hundred (200) feet or the Project boundary, whichever is less. Existing Commercial Lands and Project Operational Lands are not subject to the Vegetated Riparian Buffer Zones and are reviewed and authorized on an individual basis.

Vegetated Riparian Buffer Area: A Vegetated Riparian Buffer Area is an area within the Vegetated Riparian Buffer Zone of naturally established vegetation, or an area re-established with vegetation by either natural succession (i.e. stop mowing grass) or the planting of trees, shrubs, herbaceous plants or ground covers.

Vegetated Buffer Compliance: The vegetated buffer compliance goal is to achieve an area equivalent to fifty (50) percent of the Vegetated Riparian Buffer Zone, within the Project Boundary, to be preserved or re-established as a Vegetated Riparian Buffer Area. Site specific variances, as defined within the Shoreline Management Manual, may be applied at FirstLight's discretion. Generally, a compliant Vegetated Riparian Buffer Area shall occupy between twenty (20) and fifty (50) percent of the Vegetated Riparian Buffer Zone within the Project Boundary. If the existing, established vegetated buffer exceeds the minimum requirement, FirstLight, at its discretion, may require that an area greater than fifty (50) percent be preserved. FirstLight may waive or alter the vegetated buffer requirement, if the preservation or installation of such buffers is not reasonably practicable, feasible, or violates applicable law. If FirstLight determines that a waiver is necessary or that a variance may be granted, such buffer will be considered compliant.

Vegetated Buffers as a Required Use: Based on a vegetated buffer assessment, Property Owners may be required to preserve, install or re-establish a vegetated riparian buffer when an application request is made to modify the size, location or configuration of an existing use or an application request is made to install a new authorized use. For an application request for Limited Activity Uses, the Property Owner will have up to three years to fully complete the implementation of an approved enhanced buffer planting. FirstLight may require that vegetated buffer installations be installed sooner to resolve a violation or in other cases where stabilization of the shoreline or upslope lands is required. For application requests that include a request for Significant Activity Uses, the installation of vegetated buffer plantings will be required as part of the implementation of the Significant Activity. The installation of the required enhanced vegetated buffer shall occur within one year. An extension in time may be granted at FirstLight's discretion for either Limited Activity Uses or Significant Activity Uses. Such extensions shall only be granted if the Property Owner provides justification for the extension and a detailed construction and planting schedule.

H. SHORELINE VEGETATION REMOVAL

FirstLight maintains all its lands in a natural state, including fallen trees, and a naturalized shoreline to ensure the protection and enhancement of natural resources, aesthetic values and recreational access for the public.

Removal of trees, shrubs and other vegetation located within the Project Boundary is prohibited without prior written authorization by FirstLight.

FirstLight reserves the right to prohibit the mowing of Project lands where a Property Owner has failed to comply with any FirstLight requirement.

In the event existing vegetation within the Project Boundary is removed without prior authorization from FirstLight, individuals, groups or entities that have trespassed, authorized or performed such removal shall be required to restore and mitigate the removal as required by FirstLight. In addition, FirstLight may take other enforcement actions, including, but not limited to, civil and or criminal trespass penalties and enforcement fees.

FirstLight may allow limited removal of vegetation for the construction and installation of docks, seawalls, retaining walls or other authorized uses, provided that FirstLight determines that such removal is environmentally acceptable. FirstLight may require, as a condition of removals, that a vegetation landscape planting plan be submitted to FirstLight for prior review and authorization.

XII. VEGETATED RIPARIAN BUFFER EDUCATION PROGRAM

FirstLight has established a Vegetated Riparian Buffer Education Program, which, in addition to Shoreline Education Workshops, includes FirstLight's "Shoreline Management Manual - A Homeowners Guide to Shoreline Stabilization and Vegetated Buffer Zones" which is published on its website along with other educational materials. The Shoreline Management Manual may be updated by FirstLight to enhance its content and address new issues within the Project Boundary without FERC approval. Any future updates will be noticed on the FERC docket and published on the company website, with revision dates noted.

Where shoreline lands within the Project Boundary are defined as Developed Residential Lands, and Vegetated Riparian Buffers have been previously cleared and or existing habitable or other structures such as, decks, sheds, seawalls, upslope retaining walls, paths, walkways, stairs and patios have been constructed, FirstLight shall recommend and encourage Property Owners to voluntarily re-establish a vegetated riparian buffers and/or manage Stormwater on Project lands around such structures.

XIII. FIRSTLIGHT APPLICATION SUBMITTAL AND REVIEW FEES

All Property Owners, municipalities, State of Connecticut or other entities seeking review of an application for an authorized use of Project lands and waters shall pay an administrative fee to cover the cost associated with such review. The schedules and rates for application and administrative fees are listed in Appendix F. Administrative Fee Schedule and are further detailed and defined within Appendix C.

FirstLight reserves the right to assess rent, license fees, or other similar fees as part of any permit, license, or agreement with a commercial entity, community, municipality, State of Connecticut, agency or other similar entity.

FirstLight also reserves the right to recover from abutting Property Owners, entities with Deeded Rights, municipalities or entities with non-commercial residential use and occupancy of lands and waters within the Project Boundary, any costs, including legal costs, associated with:

- a) The conveyance of property rights by FirstLight within the Project Boundary or the resolution of a Project Boundary dispute including Property Survey and Title Research Costs and any other costs incurred;
- b) Obtaining FERC authorization for a residential use that FirstLight does not have authority to permit under License Article 413;
- c) Taxes, fees or other costs levied upon FirstLight by municipalities or other third parties for shoreline and land uses within the Project Boundary and any other similar costs that were not reasonably anticipated or foreseen by FirstLight at the time the SMP was filed.
- d) The Fee Policy described herein will apply for the remaining term of the License. FirstLight reserves, at its sole discretion, the right to review and update the Fee Policy in the event additional obligations and costs are imposed on it related to the implementation of Articles 407 and 413 beyond those specified in the SMP.
- e) If a proposed shoreline and land use is only for the exercise of a deeded right or easement, recorded and within the chain of title of the Property Owner, an application fee will not be assessed for the review of the application associated with the use or occupancy authorized by and within the scope of the deeded right or easement.
- f) FirstLight reserves any and all legal rights it may now or in the future have to impose additional fees not specified herein. FirstLight's submission of this SMP is not an admission that it does not have legal authority to impose additional fees for use and occupancy of Project lands and waters.
- g) In the event that an application to the FERC is required for approval of a Property Owners activity, FirstLight requires the payment of \$10,000 to cover its costs associated with such an application.

XIV. ENFORCEMENT

FirstLight is responsible for ensuring compliance with the SMP, as well as enforcing other FERC and property rights requirements that apply to the use and occupancy of lands and waters within the Project Boundary. FirstLight reserves the right to impose enforcement fees and exercise its legal rights against any person or entity for any unauthorized use or occupancy of lands or waters within the Project Boundary. The failure to register and or obtain an authorization for an existing or new use or any violation of any license, agreement, permit, deed, SMP, Project license or Federal Power Act requirement may result in enforcement by FirstLight. Such enforcement may also include the recovery of FirstLight's legal and other associated costs related to such enforcement and other policies as shown in the Enforcement Guideline Appendix E.

XV. EDUCATION

FirstLight shall publish materials regarding the SMP, the Shoreline Permit Guidelines, Shoreline Land Designation Mapping and other materials on the company website. FirstLight will also work with municipal and state agencies, their designees and others to develop appropriate educational materials which it will make available at public access points and/or on the internet.

FirstLight shall periodically sponsor workshops for the public, realtors, surveyors, municipal land use staff, contractors and professionals. The purpose of these workshops is to educate and inform attendees regarding the Shoreline Management Plan's goals and objectives, its Shoreline and Land Use Permit Guidelines and the authorization processes.

XVI. DIGITAL AND HARD COPY DATA POLICY

FirstLight developed and maintains a digital and hard file system for tracking shoreline activities and authorizations.

FirstLight does not have any obligation to release any permit, license, lease, agreement or any other company information to the public.

Any data that FirstLight has determined is accessible to the public may be posted on FirstLight's website.

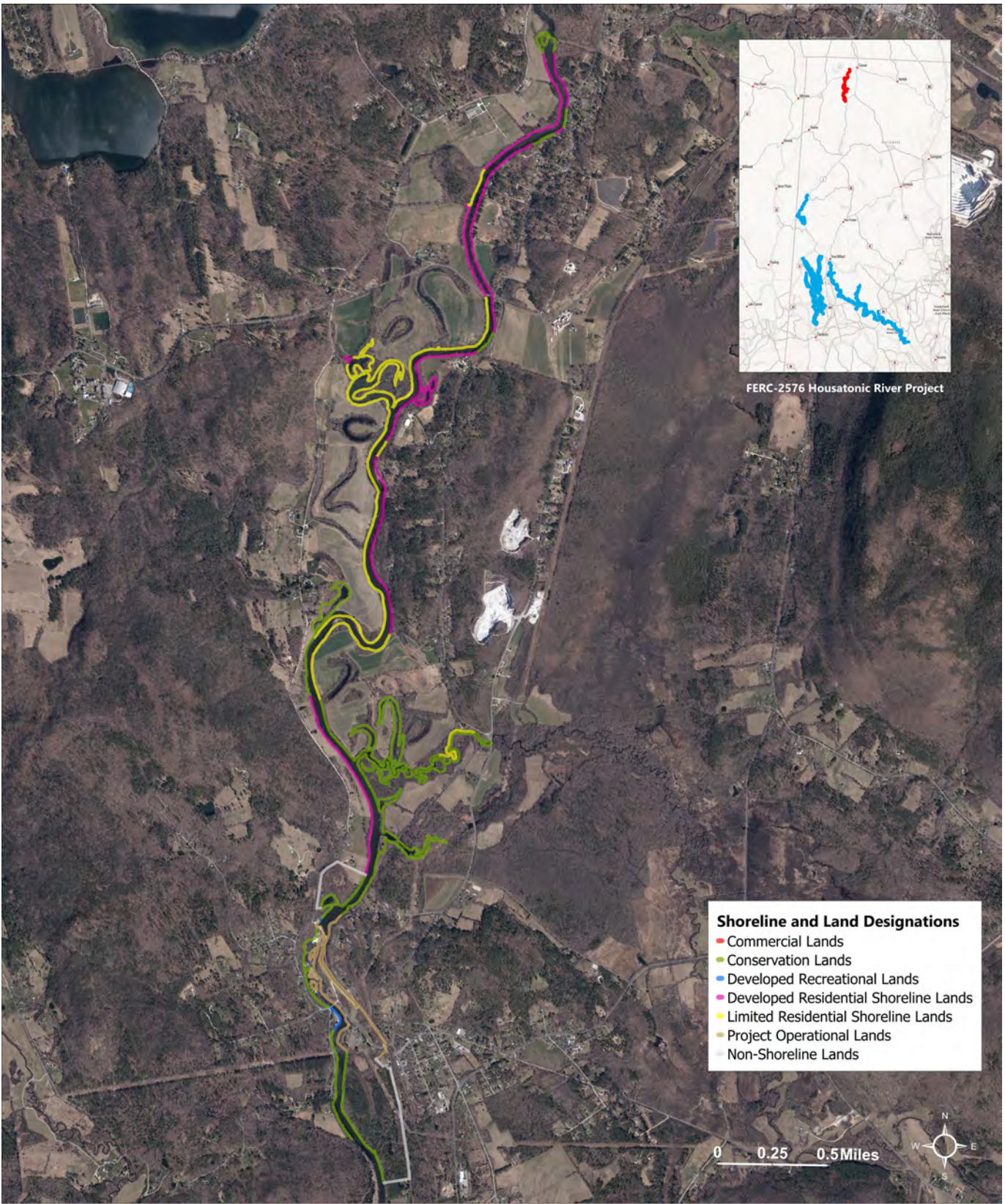
FirstLight will review individual written requests for specific information associated with specific projects and determine, at its sole discretion, if and how the data will be provided.

XVII. REPORTING

FirstLight will provide annual reports for 30 day written consultation with stakeholders on the Significant Activities that have been completed and inspected in the previous calendar year. These reports will contain a photo and description of the activities completed.

APPENDIX A

SHORELINE AND LAND DESIGNATION MAPS



FERC-2576 Housatonic River Project

Shoreline and Land Designations

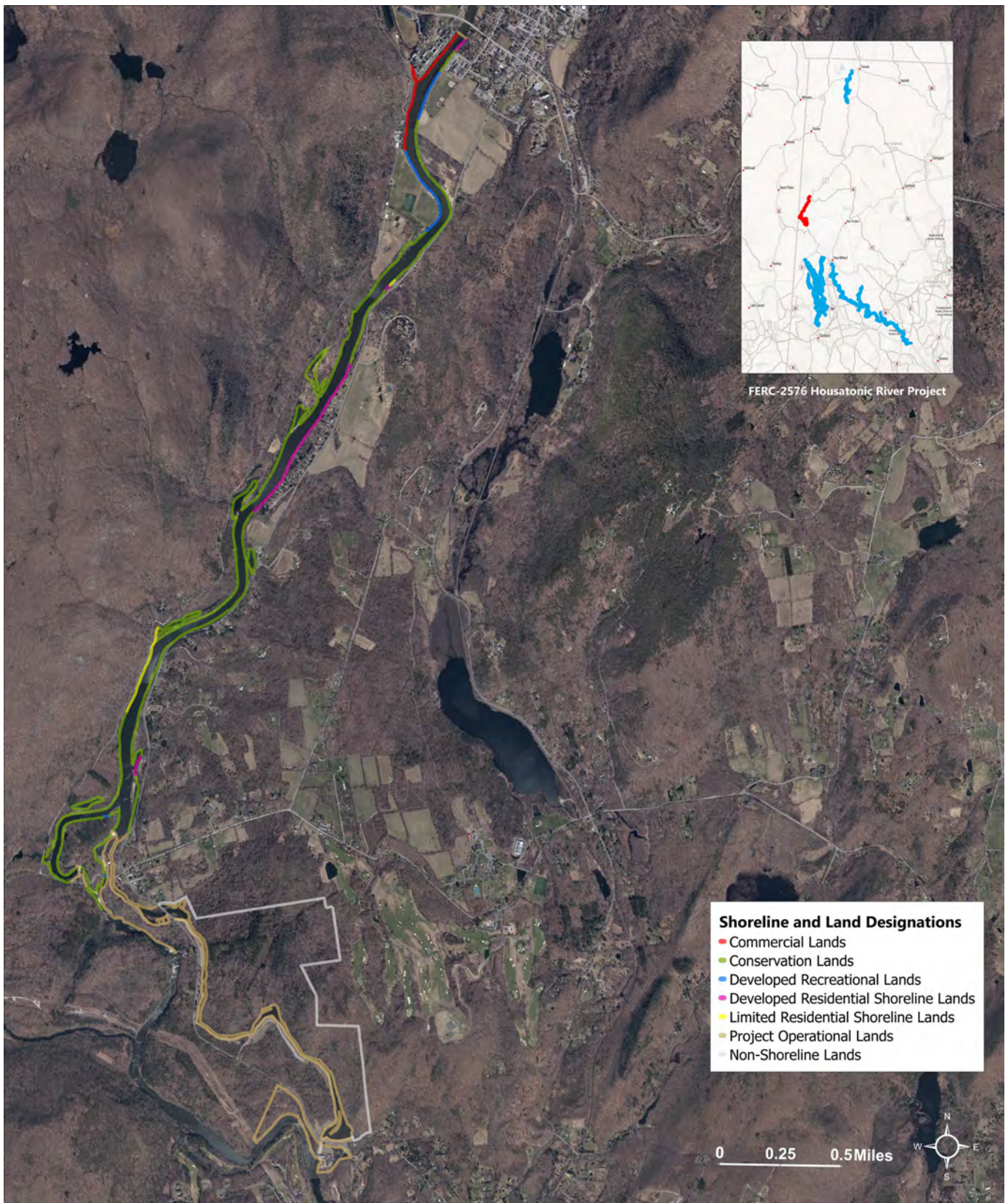
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- Conservation Lands
- Developed Recreational Lands
- Developed Residential Shoreline Lands
- Limited Residential Shoreline Lands
- Project Operational Lands
- Non-Shoreline Lands



Falls Village

Shoreline and Land Designations Map

Sources: Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USFWS, CT State GIS Office



FERC-2576 Housatonic River Project

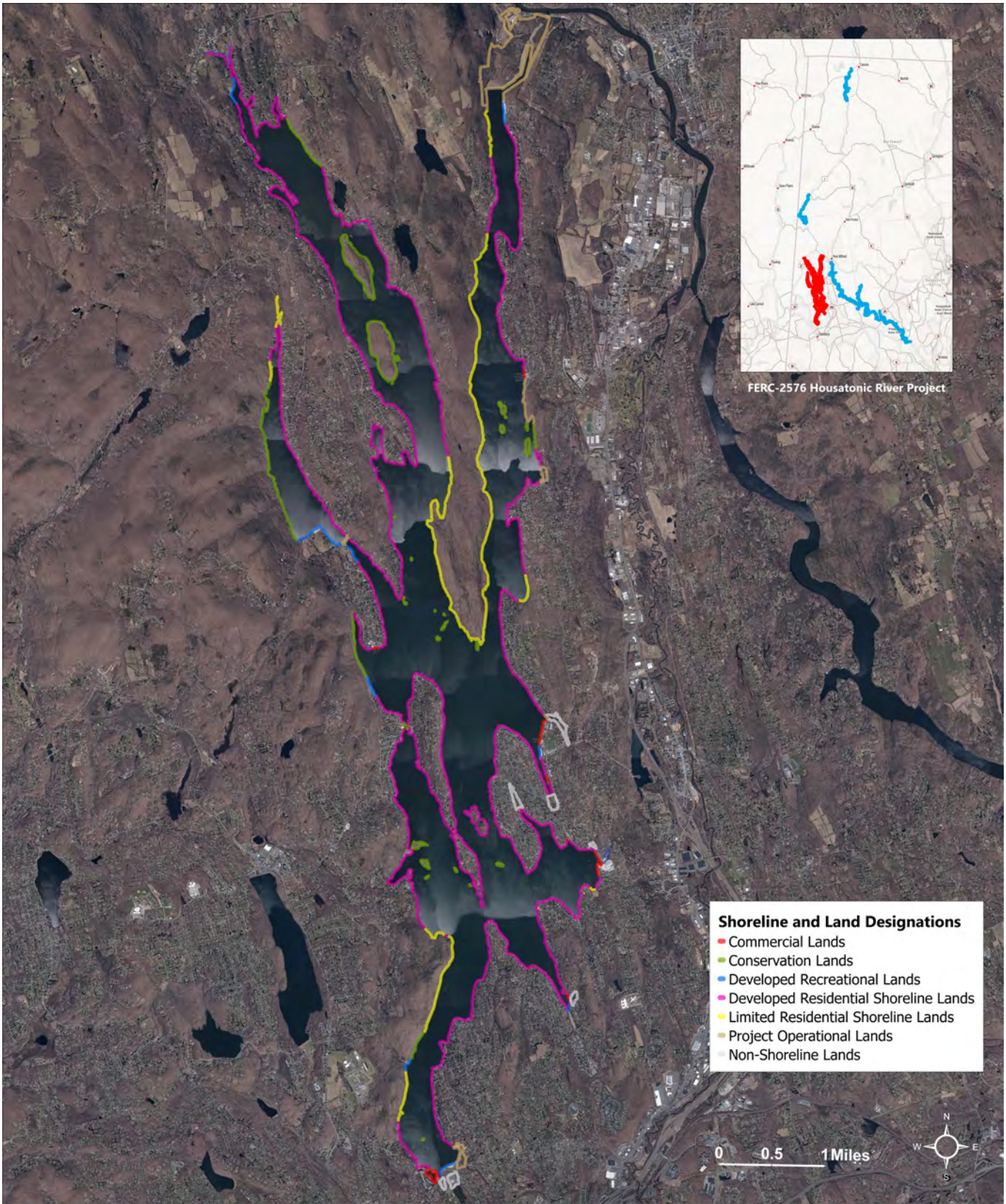
Shoreline and Land Designations

- Commercial Lands
- Conservation Lands
- Developed Recreational Lands
- Developed Residential Shoreline Lands
- Limited Residential Shoreline Lands
- Project Operational Lands
- Non-Shoreline Lands

Bulls Bridge

Shoreline and Land Designations Map

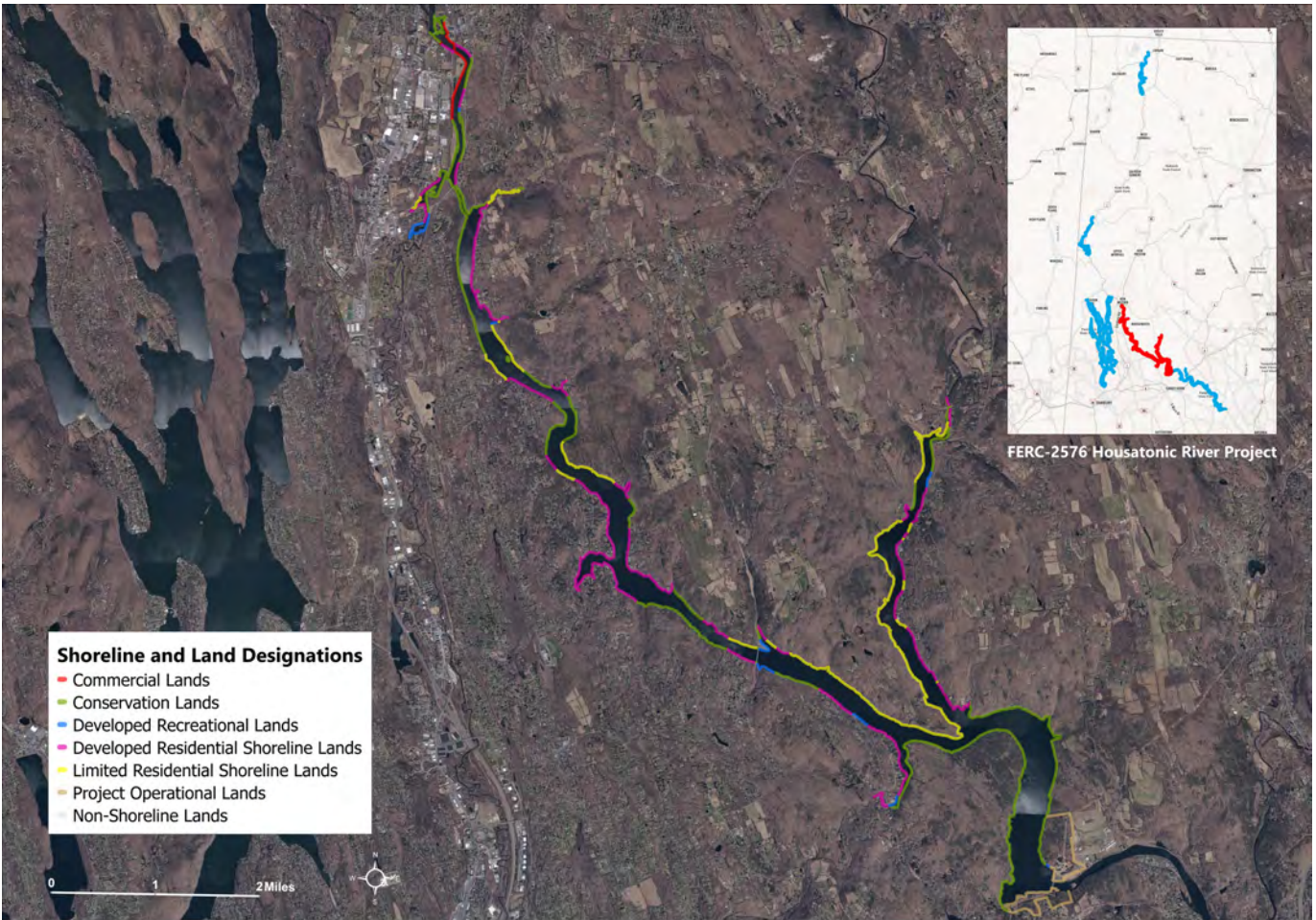
Sources: Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USFWS, CT State GIS Office



Candlewood Lake

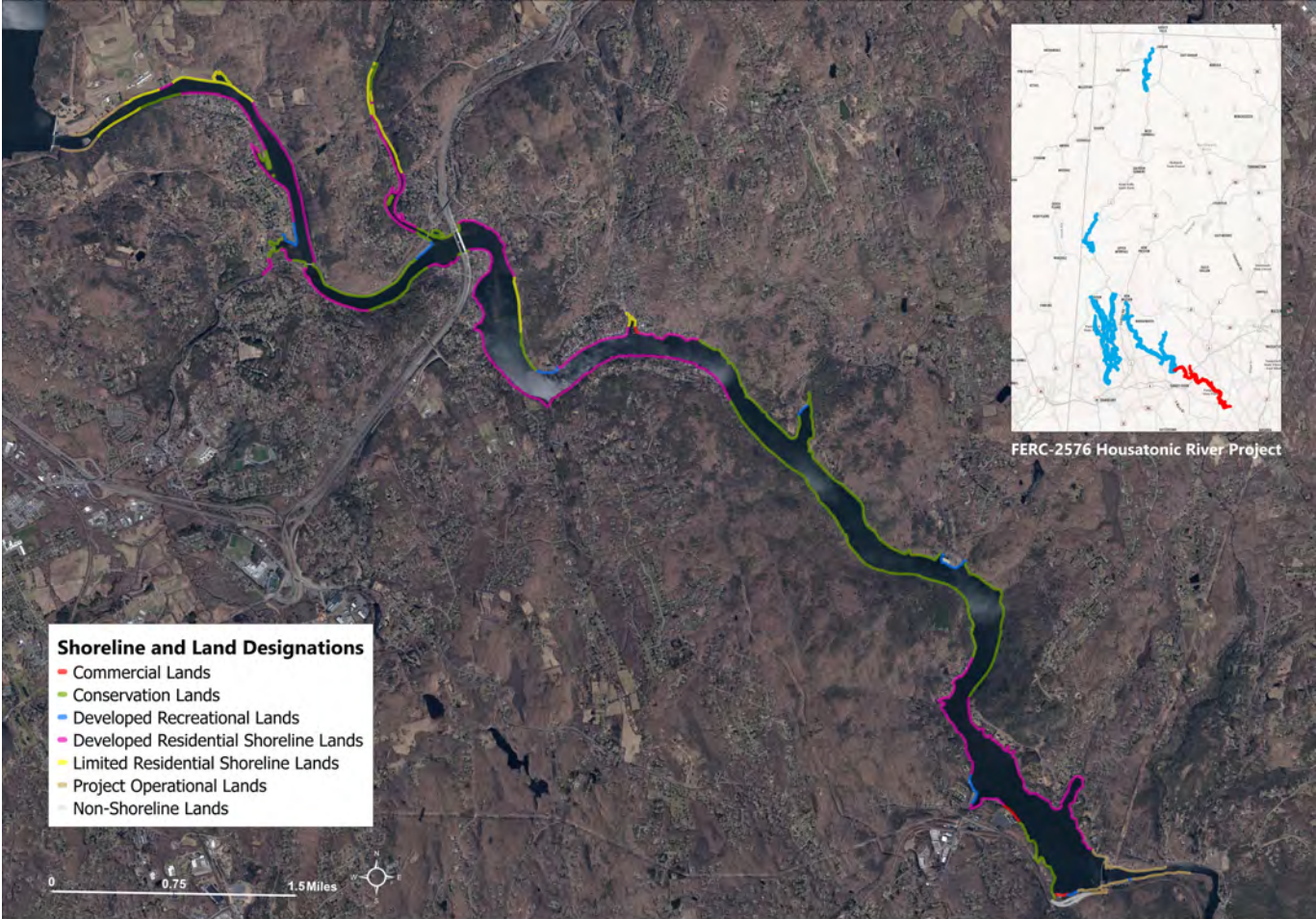
Shoreline and Land Designations Map

Sources: Esri, TomTom, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA, NPS, USFWS, CT State GIS Office

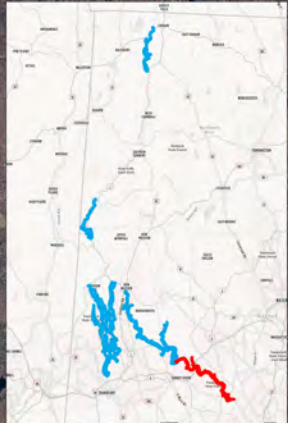


Lake Lillinonah
Shoreline and Land Designations Map

Sources: Esri, TomTom, Garmin, SafeGraph, METI/WASA, USGS, EPA, NPS, USDA, USFWS, CT State GIS Office



- Shoreline and Land Designations**
- Commercial Lands
 - Conservation Lands
 - Developed Recreational Lands
 - Developed Residential Shoreline Lands
 - Limited Residential Shoreline Lands
 - Project Operational Lands
 - Non-Shoreline Lands



FERC-2576 Housatonic River Project

Lake Zoar

Shoreline and Land Designation Map

Sources: Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, USFWS, CT State GIS Office

APPENDIX B
SHORELINE MANAGEMENT PLAN DEFINITIONS

GLOSSARY OF TERMS

- a) "FERC" is the Federal Energy Regulatory Commission
- b) "License" is the license granted by the FERC the operation of the Housatonic River Project No. 2576.
- c) "Licensee" is the entity who owns and operates the Project in compliance with the terms as set forth in the P-2576 Housatonic River Project.
- d) "Project" is the hydro electric generators, dams, infrastructure, reservoirs, lands and waters under the control and maintenance of the Licensee (FirstLight) as needed to use the waters of the people of the United States of America to generate electricity.
- e) "Project Boundary" is a jurisdictional line approved by the FERC to enclose the lands, waters and structures necessary for the operation of a hydroelectric project. The current Housatonic River Project Boundary is delineated on the most recently FERC-approved Exhibit G Drawings as shown on FirstLight's website. Exhibit G drawings detail all areas within the Project Boundary and the boundaries for the five (5) developments' reservoirs that comprise the Housatonic River Project.
- f) "Non-Project Use" is a specific use and/or occupancy within the Project Boundary on Project lands and/or waters that does not relate to the production of hydroelectric power or other Project purposes.
- g) "Property Owner" is an individual, group or entity which owns land either adjacent to or within FirstLight's federal Project Boundary or a landowner who possesses an easement or other legal right or interest to lands and waters within the Project.
- h) "Deeded Right" is a private property right specifically conveyed or retained in the past which established, and which is maintained in a property's chain of title as a recorded instrument regarding the right and/or restriction to utilize Project lands and/or waters within the Project Boundary.

Some Examples of Deeded Rights at the Project Include:

- Right to maintain Docks of Simple Construction
 - Rights to pass and repass to Project waters
 - Rights to place Seawalls or Rip Rap substantially along the shoreline
 - Rights to flowage with water, ice and material
 - Restrictions on the discharge of sewage to lands and waters
 - Restrictions on impacting navigation on project waters
 - Restrictions on use in common with others
- i) "Flowage Rights" are the rights to inundate, store and permanently flow uninterrupted water, ice and material to an elevation on land within the Project Boundary and beyond. These property rights also limit the ability of the Property Owner to restrict and/or alter the land in a fashion that materially interferes with the flowage right.
 - j) "Shoreline and Land Designation" is a classification of the area within the Project Boundary that defines the types of uses that are allowable.
 - k) "Authorized Use" is a use or activity that has been determined by FirstLight to meet the minimum standards guidelines and requirements that are allowable through the issuance and execution of a written agreement with FirstLight.
 - l) "Activity" is the action of performing a task to install, remove, construct or repair an authorized use.

APPENDIX B
SHORELINE MANAGEMENT PLAN DEFINITIONS

- m) "Shoreline and Land Uses" are the activities and non-project uses and occupancies which either have historically existed within the Project Boundary and/or are being requested by Property Owners to be allowed through an authorization of an activity into the future within the Project Boundary.
- n) "Shoreline Uses" are Shoreline and Land Uses at or immediately near the water's edge.
- o) "Land-based Uses" are Shoreline and Land Uses located upslope from the shoreline between the water's edge and the Project Boundary.
- p) "Limited Activity Use" is an Authorized Use or group of Shoreline and Land Uses which have been determined by FirstLight to have a minimal potential to impact Project and other resources.
- q) "Significant Activity Use" is an Authorized Use or group of Shoreline and Land Uses which have been determined by FirstLight to have a potential to materially impact Project and other resources.
- r) "Qualified Person" is a person who has a certificate, professional training, experience or knowledge to solve, inspect or resolve specific subject matter.
- s) "Vegetated Riparian Buffer Zone" is a set distance of 50' for Developed Residential Lands and Developed Recreational Lands as defined on the Shoreline Designation Maps or 200' for Conservation Lands and Undeveloped Residential Lands from the water's edge upslope within the Project Boundary intended to provide for the establishment of native vegetated cover plants over time to the extent reasonable and practicable. The area may or may not currently support native vegetated cover.
- t) "Vegetated Riparian Buffer Area" is an area within the Vegetated Riparian Buffer Zone of naturally established vegetation or an area re-established with vegetation by either natural succession (i.e. stop mowing grass) or the planting of trees, shrubs, herbaceous plants or ground covers.

**APPENDIX C
SHORELINE AND LAND USE PERMIT GUIDELINES**

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I. INTRODUCTION

As set forth in the Shoreline Management Plan, FirstLight has established a permit and authorization program to manage the shoreline and land use occupancies of lands within the Housatonic River Project FERC P-2576 through a shoreline permit program. These Shoreline Permit Guidelines are intended to provide supplementary information to the SMP on FirstLight’s permit procedures, standards and guidelines. Property Owners should first refer to the SMP when using these Guidelines. These Guidelines may be amended by FirstLight without stakeholder consultation or FERC approval. Any updates or revisions will be noticed on the FERC docket.

II. APPLICATION PROCESS AND APPLICATION TYPES

FirstLight requires that all shoreline and land uses and associated activities within FirstLight’s Project Boundary, whether existing or proposed, be authorized by FirstLight. All application requests shall be subject to review, payment of applicable review fees (Appendix F), and must receive written authorization by FirstLight. This application process and the application information required will vary depending upon the type of application requested. It is the applicant’s responsibility to provide sufficient information for FirstLight to make its authorization determination. The information below provides guidance on the types of applications considered and the agreements or contracts FirstLight issues for specific requests. Further guidance and information are available on FirstLight’s website.

CERTIFICATE OF PERMISSION:

Temporary certificate issued to meet the registration requirements under the SMP for the registration of historic shoreline and land uses.

- Property Owners (see Appendix B. Glossary of Terms) with pre-existing uses and/or structures within the Project Boundary were required to register their uses following approval of the Shoreline Management Plan on March 27, 2013 (SMP March 27, 2013, Exhibit A, Section VIII. Registration of Pre-Existing Uses and Dock within the Project Boundary.)

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- The registration process has expired and all Property Owners who do not have a Certificate of Permission or an Existing Use Permit must complete a Shoreline and Land Use Application and submit all the required application material and fees to apply for an Existing Use Permit.
- Certificates of Permission are not transferrable, and new Property Owners must apply for an Existing Use Permit.
- A Certificate of Permission does not authorize maintenance or any other work or activities.

EXISTING USE PERMIT:

An Existing Use Permit is a long-term agreement between FirstLight and a Property Owner (see Appendix B. Glossary of Terms) that authorizes compliant existing Shoreline and Land Uses to remain.

Existing Community Uses that qualify may be authorized within a Community Use License Agreement

Existing Use Permits do not transfer upon sale of the property and new Property Owners must apply for a permit. This permit application process can be started prior to purchase as part of FirstLight’s pre-purchase inspection program.

Applications for Existing Uses shall be subject to One-Time Administrative Application Review Fees (Appendix F). An Application Submittal Fee of \$250.00 shall apply. Applications for residential Existing Uses are not subject to additional Activity Review and/or Use Review fees; however, if the application is submitted with a Pending Sale Inspection Request an additional review fee of \$250.00 will apply. Additional Review Fees will apply for Community Uses as defined in Appendix F. Additional License Fees may also apply as part of a permit, license, or agreement for Community Uses.

Permit Application Type	Submittal Fee	Additional Review Fee	Use Review Fee	Total
Residential Existing Use Permit	\$250.00	NA	NA	\$250.00
Residential Existing Use Permit with Pending Sale Inspection Request	\$250.00	\$250.00	NA	\$500.00
Community Use License Agreement	\$250.00	See Appendix F.	NA	\$250.00

*An additional FERC Application Fee of \$10,000 may apply for Uses that require additional FERC approval as defined in Article 413 (Appendix D.)

**FirstLight may waive the Application Submittal Fee for an Existing Use Permit if the applicant holds a Certificate of Permission and/or other previously issued permit authorization(s) from FirstLight.

A complete permit application must be received and reviewed by FirstLight. Application Material Checklists are available on the FirstLight website.

Uses are not authorized within the Project Boundary unless a permit application is approved by FirstLight and a permit issued by FirstLight has been fully executed by the Permittee(s) and recorded by FirstLight.

APPENDIX C
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Maintenance activities may be authorized within an Existing Use Permit and/or Community Use License Agreement. Authorized maintenance activities are limited to routine maintenance as defined within the Permit, of existing shoreline and land uses.

- Routine maintenance shall only include simple, small-scale activities, associated with periodic and customary upkeep of the improvements to prevent deterioration against normal wear and tear or for their continued operation in their original condition. Routine maintenance shall not include activities such as those requiring machinery or specialized tools, or capital improvements.
- Activity Type Uses as described below and further detailed in the SHORELINE AND LAND USE, USE AND ACTIVITY TABLE shall not be considered as routine maintenance and are not authorized within an Existing Use Permit.

Activity Type Uses and associated activities cannot be authorized within an Existing Use Permit or Community License Agreement.

Non-compliant Uses and/or Uses subject to a Notice of Violation cannot be authorized within an Existing Use Permit; see Corrective Action Permits below.

AUTHORIZATION OF ACTIVITY TYPE USES AND ASSOCIATED ACTIVITIES:

Activity Type Uses are authorized by FirstLight with a short-term temporary agreement between FirstLight and a Property Owner (see Appendix B. Glossary of Terms). Activity Type Uses are authorized within a.) an Immediate Action Permit, b.) an Activity Permit which may be either a Limited Activity Permit or Significant Activity Permit, or c.) a Corrective Action Permit. Activity Type Uses associated with Community Uses and/or activities may be authorized within a different written agreement.

A complete permit application, with the required application materials applicable to the Use(s) and associated activities proposed, must be received and reviewed by FirstLight.

Uses are not authorized within the Project Boundary unless a permit application is approved by FirstLight and a permit issued by FirstLight has been fully executed by the Permittee(s) and recorded by FirstLight.

Prior to uses and/or activities occurring, a Start of Work Approval Request must be received and approved, and a Temporary Activity Tag issued by FirstLight.

A Start Work Approval Request cannot be submitted unless a fully executed permit issued by FirstLight and signed by the Permittee(s) is in effect.

All contractors performing work must be identified and their contact information provided to FirstLight. FirstLight's Insurance Requirements must be acknowledged and accepted.

Only approved Uses and associated activities authorized within a permit or permit amendment can occur. Other Uses and/or activities or modifications to the uses and activities as approved require additional written authorization from FirstLight.

**APPENDIX C
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The term of the permit is determined by the Use(s) and associated activities that have been applied for and authorized.

At completion of the authorized activity or with expiration of the Activity Permit, the Permittee(s) must obtain long-term authorization from FirstLight for new or modified uses to remain. Submittal of an Existing Use Permit application may be required.

A. Immediate Action Permit:

An Immediate Action Permit only authorizes the following work and/or activities:

- Removal and/or safety pruning of a tree that poses a potential risk
- Removal of a fallen tree and/or natural debris
- Removal of manmade debris
- Removal of a derelict dock and/or debris
- Other similar Uses and associated activities as determined by FirstLight

Uses and/or activities that qualify for an Immediate Action Permit are not subject to application submittal and/or review fees (Appendix F).

Immediate Action Permit	No Application Submittal Fee and/or Additional Review Fees
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FirstLight may determine that requests for removal of trees, multiple trees or activities that involve ground disturbance must be applied for through the Activity Permit process.

The term of the permit is limited to 60 days and is only transferred at FirstLight’s discretion.

B. Activity Permit or Permit Amendment:

Most Activity Type Uses and associated activities, such as repairs to an existing shoreline and land use, the installation of a dock, tree or vegetation removal, construction of walks or retaining walls, or other similar activities may be authorized through the issuance and execution of an Activity Permit.

This type of permit may be issued as a Limited Activity Permit or a Significant Activity Permit, based upon whether the uses and activities approved are defined as a Limited Activity Use or Significant Activity Use as further described below and defined within the Shoreline and Land Use, Use and Activity Table.

FirstLight, at its sole discretion, may determine that a proposal for multiple Uses(s) and associated activities and/or any Use and associated activity that may have a significant impact on Project lands and waters be defined as a Significant Activity Use.

Applications for Uses and/or activities that qualify for an Activity Permit shall be subject to One Time Administrative Application Review Fees (Appendix F).

- The review of a Limited Activity Permit application will be subject to an application submittal fee of \$250.00, Activity Review Fee of \$300.00, and the applicable Use Review Fee(s) per the SHORELINE AND LAND USE TABLE herein.

**APPENDIX C
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- The review of a Significant Activity Permit application will be subject to an application submittal fee of \$250.00, Activity Review Fee of \$1,000.00, and the applicable Use Review Fee(s) per the SHORELINE AND LAND USE TABLE herein.

Limited Activity Permit	Application Submittal Fee \$250.00 Activity Review Fee \$300.00 Use Review Fee(s), determined by Uses and Associated Activities Requested, refer to Shoreline and Land Use Table.
	Total Application Review Fees (Application Submittal Fee + Activity Review Fee + Use Review Fees)
Significant Activity Permit	Application Submittal Fee \$250.00 Activity Review Fee \$1,000.00 Use Review Fee(s), determined by Uses and Associated Activities Requested, refer to Shoreline and Land Use Table.
	Total Application Review Fees (Application Submittal Fee + Activity Review Fee + Use Review Fees)

*An additional FERC Application Fee of \$10,000 may apply for Uses that require additional FERC approval as defined in Article 413 (Appendix D.)

The term of the permit is limited to one (1) year and is only transferred at FirstLight’s discretion.

Permittees may request a term extension for a permit or permit amendment that is in effect; such extensions are only granted at FirstLight’s discretion.

Limited Activity Use(s) and Associated Activities

Uses and associated activities that have minimal impact on Project Lands and Waters. Such uses may include, but are not limited to the following:

- Repairs or modifications to an Existing dock or installation of a new dock.
- Shoreline stabilization and other shoreline uses that pose only minimal impact to the shoreline.
- Upslope uses such as paths, retaining walls, and level seating areas and/or land disturbance and vegetation removal resulting in only minimal alterations of Project lands.
- Uses such as flagpoles, campfire pits, irrigation pumps and other similar uses may be authorized at FirstLight’s discretion as Limited Activity Uses. Many of these uses have unique characteristics; additional requirements, as determined by FirstLight, may also apply.
- If significant land disturbance, including but not limited to extensive vegetation removal, terracing, or other substantial site grading and earth moving are required, then these uses are subject to the requirements for Significant Activity Uses.

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Significant Activity Use(s) and Associated Activities

Certain proposed Shoreline and Land Uses and associated activities that cannot be classified as Immediate Action or Limited Activity Uses may be considered by FirstLight, in its discretion, as a Significant Activity Use(s).

Application requests for these Uses are considered at FirstLight's sole discretion; FirstLight reserves the right to decline to accept or review any submitted application. If an application is accepted for review, Significant Use Activities shall only be authorized by FirstLight, at its discretion, if the applicant establishes that the standards and requirements herein have been met.

Significant Activity Use(s) shall only be authorized by FirstLight if the applicant establishes that their proposal provides an overall environmental benefit. The proposal must reduce soil erosion, take measures to protect water quality, create wildlife habitat, and otherwise provide an environmental benefit.

Application submittals for uses and activities that are considered under these Significant Activity Use Standards and Guidelines will be required to include a survey, comprehensive site plans, project schedules, and details as may be required by FirstLight, including plans prepared by a Qualified Person(s). The submitted application plans and documentation shall demonstrate the environmental benefits of the proposed site modifications.

Approved Significant Activity Uses shall be subject to annual reporting requirements as set forth in Section XVII. REPORTS.

C. Corrective Action Permit:

Unauthorized non-compliant uses and/or Uses and Activities subject to a Notice of Violation issued by FirstLight are not eligible for an Existing Use Permit, Community Use License Agreement, Immediate Action Permit, or an Activity Permit. Such unauthorized Uses and/or Activities may be subject to enforcement actions and enforcement fees by FirstLight (Appendix E. Enforcement Guidelines).

As part of the potential resolution of such violations, an application for a Corrective Action Permit is required. A mitigation plan and schedule, prepared with the assistance of a Qualified Person(s) if necessary, must be submitted with the application. The mitigation plan and schedule must detail a) a proposal for activities or uses that meet FirstLight's guidelines, regulations, and permit requirements that the applicant is requesting to remain and/or b.) address the removal of the unauthorized uses and restoration of FirstLight's land.

Application materials as applicable to the Uses and associated activities that have occurred and/or that are proposed within the mitigation plan must be provided. Additional application and permit requirements may apply at FirstLight's sole discretion.

In addition to application submittal and review fees applicable to the Uses and associated Activities, Enforcement Fees as defined in Appendix E. Enforcement Guidelines shall apply.

**APPENDIX C
SHORELINE AND LAND USE PERMIT GUIDELINES**

D. Municipal, State of Connecticut, and other Similar Agency Permits:

Municipal, State of Connecticut or other similar agency type permits and agreements are handled through a separate process at the discretion of FirstLight and may be subject to separate fees and FERC requirements.

Agency Use and/or Activity	\$250.00 Application Submittal Fee Additional One-Time Administrative Fee and/or Fees per License Agreement
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*An additional FERC Application Fee of \$10,000 may apply for Uses that require additional FERC approval as defined in Article 413 (Appendix D.)

E. Commercial Use, and other Similar Permits:

The authorization of Commercial Uses and associated activities is handled through a separate process at the discretion of FirstLight and may be subject to separate fees and FERC requirements.

Commercial Use and/or Activity	\$250.00 Application Submittal Fee Additional One-Time Administrative Fee and/or Fees per License Agreement
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*An additional FERC Application Fee of \$10,000 may apply for Uses that require additional FERC approval as defined in Article 413 (Appendix D.)

III. SHORELINE AND LAND USES

FirstLight requires that all Shoreline and Land Uses and associated activities within FirstLight’s Project Boundary, whether existing or proposed, be authorized by FirstLight. The Shoreline Land Designation Maps, Shoreline Land Designation Chart provide guidance on potentially acceptable uses and associated activities. Within the SMP, Uses and Activities on residential type lands are classified as Existing Uses or Activity Type Uses. The following table(s) describe and define Uses and their associated activity(ies) that may be applied for as either Limited Activity Uses or Significant Activity Uses. Not all Uses are shown in the table and Property Owners should refer to the SMP and contact the FirstLight Land Management Department for additional Information.

**APPENDIX C
SHORELINE AND LAND USE PERMIT GUIDELINES**

SHORELINE AND LAND USE TABLE

In addition to the Use Review Fees displayed in the Shoreline and Land Use Table below, for each application, an Application Submittal Fee and an Activity Review fee will apply in accordance with Appendix F. An additional FERC Application Fee may apply for Uses that require additional FERC approval as defined in Article 413 (Appendix D.) For uses and/or activities subject to a Notice of Violation or other enforcement action by FirstLight, enforcement fines, as defined in Appendix E, may also apply.

DOCKS, BOATLIFTS, SWIM PLATFORMS AND OTHER SIMILAR USES				
Use/Activity	Description	Limited	Significant	Use Review Fee*
Boat Lift or PWC Lift-Port Replacement	Replacement of an existing boat lift or Personal Watercraft (PWC) lift-ramp with no change in size, location, or configuration.	X		NA
Boat Lift New or Modified	New or modified lift or ramp for docking of boats.	X		NA
Dock Community Repair- Replacement	Community Dock Repair or Replacement. Replacement of existing dock, structural repairs, or replacement of dock decking with no change in size, location, or configuration.	X		NA
Dock Community New or Modified	New Community Dock(s) or modifications to existing Community Dock(s).	X		\$250.00
Dock Residential Repair- Replacement	Replacement of existing dock, structural repairs, or replacement of dock decking with no change in size, location, or configuration.	X		NA
Residential Dock New or Modified	New residential dock. The repair or replacement of an existing residential dock with a change in size, location, or configuration.	X		\$250.00
Mooring New, Replacement or Modification	New mooring for the purpose of securing vessels or unregistered boats such as sail boats, kayaks, etc. The replacement of previously authorized mooring or modified location for mooring.	X		\$250.00
PWC Lift - Port New or Modified	New or modified lift or ramp for docking of Personal Watercraft (PWC).	X		NA
Swim Platform Replacement, Modification or New	Modification to or replacement of a previously authorized Swim Platform or installation of a new Swim Platform. May only be authorized if a Swim Area has been authorized by CT DEEP	X		NA

**APPENDIX C
SHORELINE AND LAND USE PERMIT GUIDELINES**

SHORELINE AND LAND USE TABLE (continued)

In addition to the Use Review Fees displayed in the Shoreline and Land Use Table below, for each application, an Application Submittal Fee and an Activity Review fee will apply in accordance with Appendix F. An additional FERC Application Fee may apply for Uses that require additional FERC approval as defined in Article 413 (Appendix D.) For uses and/or activities subject to a Notice of Violation or other enforcement action by FirstLight, enforcement fines, as defined in Appendix E, may also apply.

SHORELINE USES AND OTHER SIMILAR USES				
Shoreline Stabilization, Jetties, and Similar Uses: Before applying for a Seawall or any associated use/activity Alternative Shoreline Stabilization Techniques must be considered. Please refer to the FirstLight Shoreline Design Manual.				
Use/Activity	Description	Limited	Significant	Use Review Fee*
Bio-Engineering-L	Alternative Shoreline Stabilization. Implementation of bio-engineering shoreline stabilization techniques with the use of native vegetation and other suitable plant species with structural components to stabilize and reduce erosion along the shoreline.	X		NA
Jetty-L or Breakwater-L	Re-stacking of existing stone or boulders and/or the placement of new stone or boulders to establish or re-establish jetties or breakwaters constructed to attenuate wave action.	X		NA
Riprap Revetment-L	Alternative Shoreline Stabilization. Restacking or placement of rock, stone, boulders or other similar shoreline armament placed on slope at shoreline to stabilize the shoreline, reduce erosion, and attenuate wave action.	X		NA
Stacked Boulder Wall-L	Alternative Shoreline Stabilization. Minor re-stacking of existing rock/boulders to repair an existing stacked boulder wall located at the shoreline to stabilize the shoreline, reduce erosion, and attenuate wave action.	X		NA
Stacked Boulder Wall-S	Alternative Shoreline Stabilization. Extensive re-stacking or replacement of an existing stacked boulder wall located at the shoreline and/or the placement of rock/boulders at shoreline to construct a new stacked boulder wall at the shoreline to stabilize the shoreline, reduce erosion, and attenuate wave action.		X	\$250.00
Seawall-L	Repairs, such as repointing, minimal resetting or replacement of stone and/or deteriorating timbers and/or replacement of a small section of seawall. Placement of rock or boulders at base of wall for wave attenuation. Buttressing of existing seawall. May require an engineered design.	X		\$250.00
Seawall-S	Extensive repairs, removal and replacement of an existing seawall, and/or construction of a new seawall. Requires a site-specific justification and design by a CT Licensed Engineer.		X	\$500.00

**APPENDIX C
SHORELINE AND LAND USE PERMIT GUIDELINES**

SHORELINE AND LAND USE TABLE (continued)

In addition to the Use Review Fees displayed in the Shoreline and Land Use Table below, for each application, an Application Submittal Fee and an Activity Review fee will apply in accordance with Appendix F. An additional FERC Application Fee may apply for Uses that require additional FERC approval as defined in Article 413 (Appendix D.) For uses and/or activities subject to a Notice of Violation or other enforcement action by FirstLight, enforcement fines, as defined in Appendix E, may also apply.

Other Shoreline Uses:				
Use/Activity	Description	Limited	Significant	Use Review Fee*
Boat Landing or Beach-L	Reclamation and/or restoration of Existing Boat Landing Beach by raking, removal of natural and manmade material or debris, hand removal of surface rocks or stone, and/or the placement and spreading of a limited quantity of sand or other similar material. Placement of new materials or grading to establish a new boat landing or beach that, as determined by FirstLight, has limited impact on Project lands and waters.	X		\$250.00
Boat Landing or Beach-S	Placement of new materials or grading to establish new boat landing or beach that, as determined by FirstLight, does not qualify as a Limited Activity Use/Activity.		X	\$500.00
Boathouse-L	Repairs to an existing Boathouse that has been determined by FirstLight to be a Limited Activity Use.	X		\$250.00
Boathouse-S	Repairs and/or replacement to a Boathouse that has been determined by FirstLight to be a Significant Activity Use.		X	\$500.00
Dock Bulkhead-L	The repair or replacement of an existing bulkhead or the construction of a new dock bulkhead.	X		NA
Pier-L	Repair or modification of an existing pier or fixed dock that has been determined by FirstLight to be a Limited Activity Use.	X		\$250.00
Pier-S	Repair, modification, or replacement of an existing pier or fixed dock that has been determined by FirstLight to be a Significant Activity Use.		X	\$500.00
Ramp to Water - L	Repair to existing Ramps to Water. Replacement of existing ramps to water or the construction of new or modified ramps to water at not more than 6 feet in width.	X		\$250.00
Ramp to Water - S	Replacement of existing ramps to water or the construction of new or modified ramps to water at greater than 6 feet in width and not more than 10 feet in width.		X	\$500.00
Steps to Water - L	Replacement of existing steps to water or the construction of new or modified steps at no more than 6 feet in width.	X		\$250.00
Steps to Water - S	Replacement of existing steps to water or the construction of new or modified steps at greater		X	\$500.00

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	than 6 feet in width.			
Trailed Boat Ramp - L	Minor repairs to or placement of rock or rip rap at existing trailer boat ramp. Replacement of existing ramp surfaces with pervious or permeable materials.	X		\$250.00
Trailed Boat Ramp - S	Extensive repairs to, or replacement of, an existing trailered boat ramp. Construction of new trailered boat ramp.		X	\$500.00

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SHORELINE AND LAND USE PERMIT GUIDELINES**

SHORELINE AND LAND USE TABLE (continued)

In addition to the Use Review Fees displayed in the Shoreline and Land Use Table below, for each application, an Application Submittal Fee and an Activity Review fee will apply in accordance with Appendix F. An additional FERC Application Fee may apply for Uses that require additional FERC approval as defined in Article 413 (Appendix D.) For uses and/or activities subject to a Notice of Violation or other enforcement action by FirstLight, enforcement fines, as defined in Appendix E, may also apply.

UPSLOPE AND OTHER SIMILAR LAND-BASED USES				
Use/Activity	Description	Limited	Significant	Use Review Fee*
Boat Rack - L	New boat rack for the purpose of storing kayaks, canoes, or other small unregistered watercraft.	X		NA
Campfire Pit-L	Repair, replacement, or installation of a new or modified campfire pit.	X		NA
Construction Access	Temporary access for the sole purpose of access for maintenance, repair, or construction of authorized shoreline and land uses within the Project boundary and other land uses which are outside the Project.	X		NA
Deck-L	Repairs to and/or replacement of any existing deck structures or landings with no change in size, location, or configuration and/or a modification with no increase in total deck area	X		\$250.00
Deck-S	Repair or replacement of an existing deck that FirstLight determines is a Significant Activity due to site specific conditions or size of the deck. New decks that are not attached to a dwelling. New decks shall be no greater than 150 sq. feet.			\$500.00
Electrical-L	Replacement of Installation of new electrical conduit, outlets, and/or fixtures consistent with current State of Connecticut electrical and building codes.	X		NA
Fence-L	Replacement or new fences, no greater than 6 feet high. Fencing shall not interfere with public access to FirstLight's lands within the Project boundary or the passage of wildlife and shall not extend into or over Project waters.	X		\$250.00
Flagpole-L	Installation and/or replacement of a flagpole.	X		NA
Irrigation Intake and Pump	New or replacement water pump and water intake(s) used for the purpose of irrigation	X		NA
Land Disturbance-L	Minimal site grading, terracing, placement of material, vegetation removal or other minimal alterations to Project Lands.	X		NA
Land Disturbance-S	Extensive site grading, terracing, placement of material, vegetation removal, or other extensive alterations to Project Lands.		X	\$500.00
Level Seating Area - L	The construction or installation of new or modified level seating areas surfaced with sand, pea gravel, mulch, lawn or other similar material at no more than 200 square feet in area.	X		\$250.00

**APPENDIX C
SHORELINE AND LAND USE PERMIT GUIDELINES**

SHORELINE AND LAND USE TABLE (continued)

In addition to the Use Review Fees displayed in the Shoreline and Land Use Table below, for each application, an Application Submittal Fee and an Activity Review fee will apply in accordance with Appendix F. An additional FERC Application Fee may apply for Uses that require additional FERC approval as defined in Article 413 (Appendix D.) For uses and/or activities subject to a Notice of Violation or other enforcement action by FirstLight, enforcement fines, as defined in Appendix E, may also apply.

Use/Activity	Description	Limited	Significant	Use Review Fee*
Level Seating Area - S	The construction or installation of new or modified level seating areas surfaced with sand, pea gravel, mulch, lawn or other similar material greater than 200 square feet in area.		X	\$500.00
Patio-L	Resetting of an existing dry laid patio and/or replacement of dry laid pavers or stone. Removal of existing impervious patio areas and replacement with a dry laid pervious patio and/or level seating area.	X		\$250.00
Patio-S	Repair or replacement of an existing patio that FirstLight determines is a Significant Activity due to site specific conditions, size of the patio, or other factors. New dry laid pervious paver or stone patio with an area no greater than 150 sq. feet.		X	\$500.00
Railings-L	Repairs, modification, or installation of new guardrails and handrails consistent with current State of Connecticut building codes.	X		NA
Recreation Equipment-L	Replacement of previously authorized recreation equipment	X		\$250.00
Recreation Equipment-S	New, or previously unauthorized, swings or other playground equipment.		X	\$500.00
Removals-L	Removal of an existing use or structure.	X		NA
Retaining Wall-L	Repair and/or replacement of existing retaining walls with minimal changes in grade and/or land disturbance that, at FirstLight's determination, have limited impact on Project lands. The construction of new retaining walls, free-standing walls, or edging not more than 2 feet in height.	X		\$250.00
Retaining Wall-S	Repair and/or replacement of existing retaining walls and free-standing walls with alterations in grade, land disturbance, or other factors that, at FirstLight's determination, may have a potential significant impact on Project lands. New retaining walls or free-standing walls greater than 2 feet in height and/or the construction of multiple walls constructed as part of terracing of Project lands.		X	\$500.00

**APPENDIX C
SHORELINE AND LAND USE PERMIT GUIDELINES**

SHORELINE AND LAND USE TABLE (continued)

In addition to the Use Review Fees displayed in the Shoreline and Land Use Table below, for each application, an Application Submittal Fee and an Activity Review fee will apply in accordance with Appendix F. An additional FERC Application Fee may apply for Uses that require additional FERC approval as defined in Article 413 (Appendix D.) For uses and/or activities subject to a Notice of Violation or other enforcement action by FirstLight, enforcement fines, as defined in Appendix E, may also apply.

Use/Activity	Description	Limited	Significant	Use Review Fee*
Steps/Paths/Walkways-L	Minor repairs to existing Steps-Paths. Replacement of existing steps, paths, walkways, or construction of new or modified steps, paths, or walkways that are not more than 4 feet in width that are used for pedestrian purposes only.	X		\$250.00
Steps/Paths/Walkways-S	Replacement of existing steps, paths, walkways, or construction of new or modified steps, access paths, or walkways that are greater than 4 feet in width and not more than 7 feet in width that may be for pedestrian use or small motorized vehicular use.		X	\$500.00
Shade Structure-L	Repair of existing shade structure with no change in size location and/or configuration and/or a modification to the structure with no increase in total area.	X		\$250.00
Shade Structure-S	Repair or replacement of an existing shade structure that FirstLight determines is a Significant Activity due to site specific conditions or size of the structure. New one story, detached temporary gazeboes, pergolas and other similar type shade structures at no more than 150 sq. feet in total roof/canopy area.		X	\$500.00
Storage Structure-L	Repair or replacement of an existing storage structure with no increase in total area or height.	X		\$250.00
Storage Structure-S	Repair or replacement of an existing storage structure that FirstLight determines is a Significant Activity due to site specific conditions or size of the structure. New one story, detached tool and storage sheds or other similar type storage structures at no more than 100 sq. feet total floor area.		X	\$500.00
Structure-L	Repair of existing primary structure with no change in size, location or configuration.	X		\$250.00
Structure-S	Modification to, rebuilding of, or construction of new primary structure or encroachment.		X	\$500.00

**APPENDIX C
SHORELINE AND LAND USE PERMIT GUIDELINES**

SHORELINE AND LAND USE TABLE (continued)

In addition to the Use Review Fees displayed in the Shoreline and Land Use Table below, for each application, an Application Submittal Fee and an Activity Review fee will apply in accordance with Appendix F. An additional FERC Application Fee may apply for Uses that require additional FERC approval as defined in Article 413 (Appendix D.) For uses and/or activities subject to a Notice of Violation or other enforcement action by FirstLight, enforcement fines, as defined in Appendix E, may also apply.

STORMWATER				
Use/Activity	Description	Limited	Significant	Use Review Fee*
Stormwater Pipes & Discharges - L	Replacement, repair, or installation of new pipes or discharges.	X		NA
Stormwater Pipes & Discharges - S	Replacement, repair, or installation of new pipes or discharges that FirstLight has determined are a Significant Activity Use.		X	\$250.00
Stormwater Lid - L	Repair, replacement, or installation of new LID (LID-Low Impact Development) stormwater management systems.	X		NA
VEGETATE BUFFER AREAS				
Use/Activity	Description	Limited	Significant	Use Review Fee*
Vegetated Buffer Enhancement	Installation of trees, shrubs, herbaceous plants and ground covers.	X		NA
Vegetated Buffer Modification-L	Minimal vegetation removal and modification to the Vegetated Buffer Area, including, but not limited to, management of invasive plant species and pruning of trees.	X		NA
Vegetated Buffer-Modification-S	Extensive vegetation removal. Also see Land Disturbance - S.		X	\$500.00
Other Similar Uses or Multiple Uses				
<p>Other Similar Uses not specifically defined herein will be classified as a Limited Activity Use or Significant Activity Use at FirstLight's sole discretion, in which case the Use Review Fees that will apply will be \$250.00 for a use classified as a Limited Activity Use and \$500.00 for a use classified as a Significant Activity Use.</p> <p>Applications with multiple Land-based Limited Activity Use(s), at FirstLight's determination, shall be subject to all the requirements and conditions of a Significant Activity Use application and permit and the relevant Activity Review Fees and Use Review Fees shall apply.</p>				

**APPENDIX D
USES AND ACTIVITIES THAT REQUIRE FERC APPROVAL**

USES AND ACTIVITIES THAT REQUIRE FERC APPROVAL

FirstLight, at its discretion, may seek authorization from the FERC (Commission) as part of License Article 413 described below to address specific issues that arise at the Project over time. There are several activities that require the FERC's approval, and they are detailed below:

(EXCERPT FROM - P-2576 - STANDARD LAND USE ARTICLE 413)

PROCESS FOR CONVEYING SIMPLE EASEMENTS:

- (a) The licensee may convey easements or right-of-way across, or leases of, project lands for:
- (1) replacement, expansion, realignment, or maintenance of bridges or roads where all necessary state and federal approvals have been obtained;
 - (2) storm drains and water mains;
 - (3) sewers that do not discharge into project waters;
 - (4) minor access roads;
 - (5) telephone, gas, and electric utility distribution lines;
 - (6) non-project overhead electric transmission lines that do not require erection of support structures within the Project Boundary;
 - (7) submarine, overhead, or underground major telephone distribution cables or major electric distribution lines (69 kV or less); and
 - (8) water intake or pumping facilities that do not extract more than one million gallons per day from a project reservoir.

No later than January 31 of each year, the licensee shall file three copies of a report briefly describing for each conveyance made under this paragraph (a) during the prior calendar year, the type of interest conveyed, the location of the lands subject to the conveyance, and the nature of the use for which the interest was conveyed.

**APPENDIX D
USES AND ACTIVITIES THAT REQUIRE FERC APPROVAL**

(EXCERPT FROM - P-2576 – STANDARD LAND USE ARTICLE 413)

PROCESS FOR CONVEYING FEE TITLE AND COMPLEX EASEMENTS

- (b) The licensee may convey fee title to, easements or rights-of-way across, or leases of project lands for:
- (1) construction of new bridges or roads for which all necessary state and federal approvals have been obtained;
 - (2) sewer or effluent lines that discharge into project waters, for which all necessary federal and state water quality certification or permits have been obtained;
 - (3) other pipelines that cross project lands or waters but do not discharge into project waters;
 - (4) non-project overhead electric transmission lines that require erection of support structures within the Project Boundary, for which all necessary federal and state approvals have been obtained.
 - (5) private or public marinas that can accommodate no more than 10 watercraft at a time and are located at least one-half mile (measured over project waters) from any other private or public marina;
 - (6) recreational development consistent with an approved Exhibit R or approved report on recreational resources of an Exhibit E; and
 - (7) other uses, if: (i) the amount of land conveyed for a particular use is five acres or less; (ii) all of the land conveyed is located at least 75 feet, measured horizontally, from project waters at normal surface elevation; and (iii) no more than 50 total acres of project lands for each project development are conveyed under this clause (b)(7) in any calendar year.

At least 60 days before conveying any interest in project lands under this paragraph (b), the licensee must submit a letter to the Director, Office of Energy Projects, stating its intent to convey the interest and briefly describing the type of interest and location of the lands to be conveyed (a marked Exhibit G or K map may be used), the nature of the proposed use, the identity of any federal or state agency official consulted and any federal or state approvals required for the proposed use. Unless the Director, within 45 days from the filing date requires the licensee to file an application for prior approval, the licensee may convey the intended interest at the end of that period.

**APPENDIX D
USES AND ACTIVITIES THAT REQUIRE FERC APPROVAL**

(EXCERPT FROM - P-2576 – STANDARD LAND USE ARTICLE 413)

FIRSTLIGHT APPLICATION REVIEW AND CONSULTATION REQUIREMENTS

- (c) The following additional conditions apply to any intended conveyance under paragraph (a) or (b) of this Section VII:
- (1) Before conveying the interest, the licensee shall consult with federal and state fish and wildlife or recreation agencies, as appropriate, and the State Historic Preservation Officer.
 - (2) Before conveying the interest, the licensee shall determine that the proposed use of the lands to be conveyed is not inconsistent with any approved Exhibit R or approved report on recreational resources of an Exhibit E; or, if the project does not have an approved Exhibit R or approved report on recreational resources, that the lands to be conveyed do not have recreational value.
 - (3) The instrument of conveyance must include the following covenants running with the land:
 - (i) the use of the lands conveyed shall not endanger health, create a nuisance, or otherwise be incompatible with overall project recreational use;
 - (ii) the grantee shall take all reasonable precautions to ensure that the construction, operation, and maintenance of structures or facilities on the conveyed lands will occur in a manner that will protect the scenic, recreational, and environmental values of the project, and
 - (iii) the grantee shall not unduly restrict public access to project waters.
 - (4) The Commission reserves the right to require the licensee to take reasonable remedial action to correct any violation of the terms and conditions of this article, for the protection and enhancement of the project's scenic, recreational, and other environmental values.
 - (5) The conveyance of an interest in project lands under this article does not in itself change the project boundaries. The project boundaries may be changed to exclude land conveyed under this article only upon approval of revised Exhibit G or K drawings (Project Boundary maps) reflecting exclusion of that land. Lands conveyed under this article will be excluded from the project only upon a determination that the lands are not necessary for project purposes, such as operation and maintenance, flowage, recreation, public access, protection of environmental resources, and shoreline control, including shoreline aesthetic values. Absent extraordinary circumstances, proposal to exclude lands conveyed under this article from the project shall be consolidated for consideration when revised Exhibit G or K drawings would be filed for approval for other purposes.
 - (6) The authority granted to the licensee under this article shall not apply to any part of the public lands and reservations of the United States included within the Project Boundary.

APPENDIX E ENFORCEMENT GUIDELINES

FirstLight is responsible for enforcement of the SMP and FERC requirements that apply to the use and occupancy of Project lands and waters within the Project Boundary. FirstLight reserves the right to impose enforcement fees and exercise its legal rights on any person or entity for any unauthorized use or occupancy of lands or waters within the Project Boundary, including failure to register and or obtain authorization for an existing or new use, and violation of any law, regulation, agreement, SMP, Project license or Federal Power Act (FPA) requirement.

Such enforcement rights shall also include the recovery of FirstLight legal costs related to enforcement.

FIRSTLIGHT ENFORCEMENT ACTIONS

As described in Article 413, FirstLight shall take any lawful action necessary to correct the violation including but not limited to:

- Trespass actions (where FirstLight owns the relevant land), overburdening of easement actions (where abutters have exceeded their deeded rights to utilize Project lands), actions for material interference with FirstLight flowage rights (where FirstLight has a deeded right to inundate lands with water and ice).
- Issuing Notices of Violation regarding unauthorized use or occupancy of Project lands and waters and to seek corrective action.
- Exercise of federal right of eminent domain under Sec. 21 of the FPA.
- Removal of structures and uses by FirstLight. In addition to the enforcement fees below, FirstLight reserves the right to recover the cost of removal and restoration of Project lands.
- Suspension and/or cancellation of any authorized use and or occupancy, including revocation of any agreement.
- Bar Property Owners from receiving any future authorization to use Project lands and waters for a period of time to be determined by FirstLight.
- Recovery of enforcement related legal costs.
- Posting of lands within the Project Boundary.
- To the extent practicable, FirstLight shall notify the relevant governmental authority regarding violations that fall within the governmental authority's jurisdiction. Governmental authorities shall have permission to conduct inspections of authorized and unauthorized structures and uses on Project lands and waters.

ENFORCEMENT FEE SCHEDULE

- Unauthorized use and or occupancy of lands or waters within the Project Boundary: An administrative charge of up to \$5,000.00 per violation for an initial violation and up to \$1,000.00 per violation per month for continuing violations.
- Failure to register and or seek authorization for an existing or new use, violation of any agreement, SMP, Project license or FPA requirement or any other law or regulation may result in a charge of up to \$5,000.00 per violation for an initial violation and up to \$1,000.00 per violation per month for continuing violations.
- Unauthorized commercial use of lands or waters within the Project Boundary, including, but not limited to, operating a business whether for profit or not-for-profit, renting or selling docks, or working as a contractor for a third-party, may result in an administrative charge of up to \$25,000.00 and up to \$5,000.00 per violation per month for ongoing violations.
- Abandoned Vessels and/or Vehicles, Derelict Docks may result in an administrative fee of \$2,000.00.
- These fee schedules are for administrative enforcement only, and, in addition to any monetary damages or attorneys' fees that FirstLight seeks or is awarded by a Court or Tribunal, and any administrative application fees that FirstLight may charge.

**APPENDIX F
ADMINISTRATIVE FEE SCHEDULE**

ADMINISTRATIVE FEE SCHEDULE

Permit applications will be subject to One-Time Administrative Fees, per the following Administrative Fee Schedule(s) and as further detailed and defined within Appendix C. Shoreline and Land Use Permit Guidelines. The fees within the following schedules shall remain fixed until FERC approval of the next SMP review and update and/or as otherwise requested by FirstLight and approved by the FERC. FirstLight reserves the right to amend the Use Review Fees detailed and described within Appendix C. Shoreline and Land Use Permit Guidelines.

Application Submittal Fee

All applications, except for applications which qualify for an Immediate Action Permit, are subject to an Application Submittal Fee.

Application Submittal Fee	\$250.00
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Additional Review Fees for Residential Uses

Applications for Residential Existing Uses shall be subject to additional permit review fees as defined below. For Abutting Properties in a pending sale, FirstLight reserves the right to assess a Pending Sale Inspection Fee.

Existing Use Application Type	Review Fee
Application for Residential Existing Use(s)	No Additional Fee
Pending Sale Inspection Fee	\$250.00

Additional Review Fees for Community Uses

Applications for Community Existing Uses shall be subject to additional permit review fees as defined below.

Existing Use Application Type	Review Fee
Application for Community Existing Use(s)	No Additional Fee for applications started and substantial complete within one year of FERC approval of this fee schedule. \$500.00 Additional Review Fee for applications thereafter.

In addition to One-Time Administrative Fees, License Fees may be assessed as part of any permit, license, or agreement for Community Uses.

**APPENDIX F
ADMINISTRATIVE FEE SCHEDULE**

Additional Review Fees for Residential and Community Activity Type Use(s)

Additional permit application review fees shall apply for Activity Type Use(s) and associated activities. An Activity Review Fee and Use Review Fee(s) will be assessed based on the Uses and associated activities requested as detailed and defined within Appendix C. Shoreline and Land Use Permit Guidelines, Shoreline and Land Use Table.

Activity Application Type	Activity Review Fee	Use Review Fee(s)
Limited Activity Use	\$300.00	Fee per Use, as described and defined within Appendix C. Shoreline and Land Use Table
Significant Activity Use	\$1,000.00	Fee per Use, as described and defined within Appendix C. Shoreline and Land Use Table

Fee Exceptions and Waivers

At FirstLight’s discretion, and as further detailed and described herein and within Appendix C. Shoreline and Permit Guidelines, the application submittal fee for certain applications and requests may be waived.

If, at FirstLight’s determination, sufficient documentation has been provided to establish deeded rights for a dock, seawall or protective construction, and/or other Uses, the relevant Activity Review Fee and/or Use Review Fee(s) may be waived.

Use Review Fee(s) may be waived at FirstLight’s discretion for certain Activity Type Uses and associated activities which, at FirstLight’s determination, provide vegetated buffer or habitat enhancements, manage stormwater, prevent erosion, attenuate wave action, and/or are associated with a Limited Activity repair.

Administrative Fee for Applications Requiring FERC Approval

In addition to the fees defined herein and in Appendix C. Shoreline and Land Use Permit Guidelines, for Uses and associated activities that require additional FERC approval as defined in Article 413, an additional FERC Application Fee shall apply.

FERC Application Fee	\$10,000.00
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APPENDIX G
STAKEHOLDERS AND THEIR RESPONSIBILITIES

Purpose

The SMP Lake Advisory Committee (LAC) and SMP River Advisory Committee (RAC) Stakeholders meetings shall serve as forums for discussions of ongoing activities associated with the SMP. These stakeholders shall meet once as part of the 2035 review and update of the SMP. The SMP Review and Update meeting Process is defined below. Additional informal, interim meetings, communications, and discussions with Stakeholders may occur and are not subject to the process defined below.

SMP Review and Update Meeting:

Process

FirstLight will invite and approve the SMP LAC & RAC members. FirstLight will create an agenda, publish a copy of the proposed updates to the SMP on a website and schedule a stakeholder meeting no less than 30 days after posting the SMP. No later than thirty days prior to the meeting, FirstLight shall distribute the agenda to the approved Stakeholders. FirstLight will entertain suggestions of additional issues to be addressed if received fifteen days prior to the date of the meeting. Stakeholders will be asked to provide written comments to FirstLight in a consultation table concerning the SMP draft within thirty days after the meeting. If no written comments are received within 30 days from stakeholders, then it will be assumed that the updated SMP is supported as prepared. None of the Stakeholders shall have the authority to alter the SMP.

Final Determination and Submission

FirstLight will, at its sole discretion, make any final decision regarding the SMP and its revision, subject to any necessary FERC approvals. Each Stakeholder will, upon request, declare its representative to FirstLight and provide their respective contact information. The responsibilities of the Stakeholders are to provide specific input on the ten-year review and update of the SMP. None of the Stakeholders shall have the authority to alter the SMP.

APPENDIX G
STAKEHOLDERS AND THEIR RESPONSIBILITIES

SMP LAC & RAC Members

Below are lists of the Agencies and Stakeholder Groups to be invited to participate as part of the Shoreline Management Plan's required consultation.

The SMP Lake Stakeholder Group will include the following:

- U.S. Fish and Wildlife Service; (One Representative)
- National Park Service; (One Representative)
- State Historic Preservation Officer (One Representative)
- Connecticut Department of Energy and Environmental Protection; (Division Representatives)
- Municipal Representatives (One Per Town) Appointed by the Chief Elected Official
- Lake Lillinonah Authority; (One Representative)
- Candlewood Lake Authority; (One Representative)
- Lake Zoar Authority; (One Representative)
- CT BASS (One Representative)
- Commercial Marina Owner (One Representative)
- Lakefront Property Owner Representatives (One Representative)
- FirstLight Power
- Others may be invited at the discretion of FirstLight

The SMP River Stakeholder Group members will include the following:

- U.S. Fish and Wildlife Service; (One Representative)
- National Park Service; (One Representative)
- State Historic Preservation Officer (One Representative)
- Connecticut Department of Energy and Environmental Protection; (Division Representatives)
- Housatonic Environmental Action League; (One Representative)
- Western Connecticut Council of Governments (HVCEO) - (One Representative)
- Housatonic Valley Association; (One Representative)
- Appalachian Trail Conference; (One Representative)
- Appalachian Mountain Club; (One Representative)
- Housatonic River Commission (One Representative)
- Adirondack Mountain Club; (One Representative)
- American Whitewater; (One Representative)
- Trout Unlimited; (One Representative)
- FirstLight Power
- Others may be invited at the discretion of FirstLight

**APPENDIX H
SHORELINE MANAGEMENT PLAN HISTORY**

RESOLUTION DATE	DESCRIPTION/REQUIREMENT	RESOLUTION
6/23/2004	Order Issuing New License	FirstLight Received FERC Order approving Application for new Housatonic River Project License P-2576
6/23/2004	Article 407 of the New License required the creation and submission of a Shoreline Management Plan with specific requirement below:	FirstLight began drafting a SMP in 2005
SMP Required Provision:		
9/20/2006	(1) safe public access to shoreline and riverfront lands and waters for informal recreational and navigational use;	1-FirstLight confirmed that all its lands and waters are open to the public and created a Recreation Management Plan which was approved by the FERC on 9/20/2006.
12/04/2014	(2) the conservation of important resource and environmental qualities surrounding the project’s shorelines and riverfront lands;	2-FirstLight prepared and submitted a “Article 407 Feasibility Report, Plan and Schedule for Conservation Easements and Restrictions” 3/26/2014
6/30/2009	(3) the development of shoreline and riverfront areas and facilities that are consistent with both project and non-project needs and demands.	3-FirstLight prepared and submitted the SMP and established a formal permitting program.
SMP Descriptions:		
3/27/2019	(1) the purpose and scope of the plan;	4-FirstLight prepared an introduction in this SMP that clarifies the purpose and scope of the Plan.
3/27/2019	(2) how the plan was prepared including identification of the entities involved in its preparation;	5-FirstLight developed and consulted with all concerned parties as part of the Lake and River Advisory Committees, written consultation and a public hearing (See SMP Stakeholder Consultation Record-filed 3/27/2019).
3/27/2019	(3) the licensee’s policies and guidelines on shoreline use including a shoreline-use classification system (if applicable), and associated permitting and property-conveyance procedures;	6-FirstLight developed Shoreline Land Designation Maps a formal permitting program and conveyances are managed consistent with Article 413 guidelines. (See Appendices A,B & C)

**APPENDIX H
SHORELINE MANAGEMENT PLAN HISTORY**

6/30/2019	(4) any special management measures to be administered under the plan (such as a clean-marina initiative, adopt-a-shoreline program, parkland lease program, etc.).	7-FirstLight implemented a derelict dock, mooring removal and required compliance with CTDEEP's clean marina program in 2009.
SMP Implementation:		
06/30/2009	(1) guiding prospective applicants for non-project uses of project lands in conforming their proposals to the plan's provisions;	8-FirstLight provided and continues to maintain permit application materials and general information on its website. FirstLight continues to review requested applications based upon the approved SMP's requirements and this SMP provides additional updated Shoreline Permit Guidelines as Appendix C herein.
6/30/2009	(2) reviewing pending proposals for use of project lands to determine their consistency with the plan's policies, classifications, prescriptions, and application requirements;	9- See 8 Above
9/18/1981	(3) monitoring existing shoreline activities to ensure their compliance with the plan.	10-FirstLight regularly performs site walks prior to the issuance of any permits and monitors on going activities from the land and water. FirstLight has been monitoring its lands and issuing permits since 1981.
SMP Other Provisions:		
11/17/2014	a) Identification of a vegetated buffer zone around reservoir shorelines and riverfront lands of up to 200 feet measured horizontally from the high water mark on lands that it owns within the project boundaries, consistent with the Commission's regulations.	11-FirstLight prepared and submitted a Vegetated Buffer Plan and Shoreline Management Manual on March 27, 2014. FERC issued an Order approving the Vegetated Buffer Plan on 11/17/2014. This SMP proposes to update the Shoreline Management Manual after the approval of this 6 year update. This SMP eliminates the requirements to install a vegetated buffer within five years of an adjacent parcels change in ownership. The trigger that will require a vegetated buffer to be installed will be a condition of a request for a limited or significant activity on project lands and waters.
2019 completed	b) Identification on maps of disturbed NGS-owned lands with the potential for re-vegetation and provisions to re-vegetate these areas within the project boundaries.	12-FirstLight included in its Vegetated Buffer Plan and consultation a schedule for targeted revegetation of project lands at each of the five impoundments. Four of the five have been completed and the final site is being installed now and will be completed in 2019.

**APPENDIX H
SHORELINE MANAGEMENT PLAN HISTORY**

Annually	c) A public education component that could include brochures, seminars, or signs to encourage the planting and/or establishment (i.e., implementation of no-cut zones along the shoreline, shoreline stabilization, buffer-zone maintenance, habitat protection and enhancement) of native species in the buffer zone by private landowners for adjoining residential property owners.	13-FirstLight established and maintains an educational program as part of the SMP, this SMP proposes to continue and enhance that program through workshops, publishing information on the company website and other methods.
6/30/2009	d) Identification of procedures to maintain access for recreational purposes for adjacent landowners.	14-FirstLight has implemented a permitting program that balances maintaining access for adjacent landowners with the public.
3/26/2014	e) Provisions for identifying opportunities to provide conservation easements for greenway and trail development and improved public access within the Project Boundary including a description of a permitting system to allow management of such easements by a qualified entity.	15-See note 2 above.
5/5/2017	f) A provision to share existing digital mapping data upon request.	16-FirstLight initially provided for a GIS Data Policy in Section XXIV of the 2009 SMP. Subsequently, FirstLight determined that the release of all GIS data collected by the Company was inconsistent with internal policies. FirstLight submitted a summary report on 1/4/2017 to the FERC clarifying this situation. FERC provided clarification on this requirement in a letter dated 5/15/2017. This SMP reflects FERC's clarification and contains a resolution to this requirement in section XVI Digital and Hardcopy Data Policy as described in the correspondences above.
11/27/2008	g) An inventory of existing shoreline development facilities (such as boat docks, marinas, landings, and bulkheads/shoreline stabilization structures) located on project lands, the conditions of the facilities, and the entity that manages the facilities (details on ownership and condition of each private dock are not necessary).	17-FirstLight completed an initial photographic inventory of all shoreline uses and subsequently performed a physical shoreline inventory which resulted in submission of Non-Conforming Structure Inventory Reports for each impoundment. All five impoundments reports have been submitted and subsequently approved by the FERC as of 11/27/2018.
12/04/2014	h) An inventory of aesthetic resources on project lands and lands adjacent to the Project Boundary and areas thought to have high aesthetic value, including vegetated shorelines and views of water.	18-See note 2 above.
9/20/2006	i) Measures to control erosion from trails and parking lots and shoreline areas, and	19-See Note 1 & 12

**APPENDIX H
SHORELINE MANAGEMENT PLAN HISTORY**

	restrictions on pedestrian traffic in areas with sensitive habitats.	
12/04/2014	j) Identification of conservation restrictions or other similar protective measures on those NGS-owned lands within the Project Boundary that are not already dedicated to open space.	20-See note 2 & 6
12/04/2014	k) A report on the feasibility of conserving those project lands that are deemed critical for protecting the scenic, recreational, and natural values of the project area, as well as lands that can be used for greenway and trail development, and, as appropriate, a plan and schedule for acquiring those easements.	21-See note 2 & 6
6/30/2009	l) A discussion of local government zoning and other land use regulations affecting project resources and any coordination efforts between the licensee and local governments about land and aesthetic conservation goals.	22-FirstLight developed as part of the 2009 SMP in Exhibit A an Agreement with Municipalities to address this requirement. This SMP has eliminated that agreement and rather defines and clarifies Municipal and State Jurisdictions in section VII.
6/30/2009	m) A schedule and process for periodically reviewing and updating the plan every six years.	23-The 2009 SMP resolved this requirement in section III. Term, this SMP section IV. Term retains the review and updating of the plan at six years, Appendix G describes the stakeholder process going forward.
6/30/2009	n) The identification of land that could be used as staging areas by local lake associations or authorities for patrol and water quality monitoring activities.	24-FirstLight provided consultation opportunities as part of the minutes of the Lake and River Advisory Committee initial meetings to determine a suitable location. No entities ever identified a suitable location upon request, however, any entity can apply for a permit for such a use under the SMP.

SUMMARY OF CHANGES (Not Part of the SMP or SMP Appendices)

SMP Section I. HISTORY OF THE PROJECT & SHORELINE MANAGEMENT PLAN has been revised to update Licensee and SMP Review and Update information.

Minor reorganization and overall reformatting of the SMP and Appendices has been done so that the SMP Sections and Appendices are more cohesive. This included editing overlapping requirements to eliminate duplicity, moving size and area standards and application guidelines for certain uses to Appendix C, moving Use Review Fee details to Appendix C, and corresponding updates to the Table of Contents.

The term of the SMP (SMP Section IV) has been modified and the next review and update of the SMP is proposed for 2035 (SMP Section V), which is midway through the remaining term of the License. The License expires in June 2044. The requirement for a formal public hearing has also been eliminated, with no changes in the stakeholder review and comment process (SMP Section IV, V, and Appendix G).

The Shoreline & Land Designations Chart (SMP Section VIII) and Maps (SMP Appendix A) have been reviewed and updated.

- The Shoreline & Land Designations have been expanded to include non-shoreline lands providing guidance on authorization of uses on lands that are not adjacent to Project waters but are within the Project Boundary.
- The Undeveloped Land designation was changed to Limited Residential Lands with the goal of continuing to limit the potential allowable uses that can occur on these lands as abutting properties become developed in the future.
- The shoreline and land areas were reviewed to update maps for accuracy and to further identify areas of undeveloped residential shoreline and conservation lands.

USE CLASSIFICATION AND AUTHORIZATION REQUIREMENTS USES AND ACTIVITIES (SMP Section X), STANDARDS AND GUIDELINES FOR USES AND ACTIVITIES (SMP Section X) and the relevant Appendices (SMP Appendix C and F) have been updated.

- The Use Classifications have been edited to simplify and clarify the requirements and process for FirstLight's authorization of Existing Uses and Activity Type Uses. Standards and Guidelines have been updated and the limits, standards, requirements, and associated fees for Activity Type Uses further detailed in the revised Appendix C. Shoreline and Land Use Permit Guidelines. Appendix F has also been revised to reflect these changes.
- Size and area standards for shoreline and land uses have been moved to SMP Appendix C and details on the applicable review fees added.
- Size and area limits for certain Uses have been modified. There are no changes in size and area limits for walks, access paths, patios, sheds, and shade structures. Area limits for level seating areas and decks have been modified for consistency with current patio and shade structure area limits.
- Some Significant Activity Uses and associated activities for the repair and/or replacement of existing uses, have been redefined and classified as Limited Activity Uses and associated activities. This will allow greater flexibility with application requirements and lessen fees for the replacement and /or some new uses with limited impact on Project lands.
- The fee structure for permit application review fees has been modified to correct an imbalance with fees assessed for Existing Use Permits with properties in a pending sale, adjust fees for Community Uses, reduce fees for some applications for the repair and/or replacement of existing uses and/or new uses with limited impact on Project lands and waters, add fees for Uses/Activities not included in the previous fee schedule, increase review fees for complex applications with requests for multiple Significant Activity Uses, lessen fees for requests for boatlift and PWC lifts due to the presence of zebra mussels in all the impoundments, and to adjust for an anticipated increase in costs for the Shoreline Permit Program since the last SMP review and update in 2019.
- The Application Submittal Fees, Activity Review Fees, and FERC Review Fees, which are defined in Appendix F, will remain fixed. The Use Review Fees, which are now detailed in Appendix C within the Shoreline and Land Use Table, may be modified overtime to reflect updates to Appendix C.

STAKEHOLDER COMMENTS (Not Part of the SMP or SMP Appendices)

Stakeholder Comments