

July 23, 2014 VIA ELECTRONIC FILING

Ms. Kimberly D. Bose Secretary Federal Energy Regulatory Commission 888 First Street, NE Washington, DC 20426

Re: FirstLight Hydro Generating Company, Northfield Mountain Pumped Storage Project (FERC Project No. 2485) and Turners Falls Hydroelectric Project (FERC No. 1889); 2014 Study Progress Report

Dear Secretary Bose:

Pursuant to the regulations of the Federal Energy Regulatory Commission (Commission or FERC), Title 18 Code of Federal Regulations (18 C.F.R.) § 5.15 (b), and the schedule set forth in FERC's Scoping Document 1, FirstLight Hydro Generating Company (FirstLight) encloses for filing the 2014 Study Progress Report for the relicensing of the Turners Falls Hydroelectric Project (FERC No. 1889) and Northfield Mountain Pumped Storage Project (FERC No. 2485).

On September 13, 2013, FERC issued its first Study Plan Determination Letter (SPDL) on 20 of FirstLight's 38 proposed studies and withheld action on the remaining 18 studies until issues relative to the Vermont Yankee (VY) Nuclear facility closure were resolved¹. FERC did not act on 18 studies related primarily to fish/aquatic and water quality resources and sought stakeholder input as to whether the study schedules and/or study scopes of the 18 studies could potentially change due to the VY closure. On November 25, 2013, FERC held a stakeholder meeting to seek input on the study schedules and/or study scopes associated with the remaining 18 studies. On February 21, 2014, FERC issued its second SPDL on the remaining 18 studies, and amended the proposed schedule for 11 of those studies due to the VY decommissioning.

On March 13, 2014, the United States Fish and Wildlife Service (USFWS) filed for study dispute resolution, requesting that FirstLight conduct an ichthyoplankton entrainment assessment at the

John S. Howard Director FERC Compliance Chief Dam Safety Engineer

FirstLight Power Resources, Inc. 99 Millers Falls Road Northfield, MA 01360 Tel. (413) 659-4489/ Fax (413) 422-5900/ E-mail: john.howard@gdfsuezna.com

¹ On August 27, 2013 Entergy Corp announced that the VY facility, located at the lower end of the Vernon Impoundment, will be closing no later than December 29, 2014. VY currently withdrawals water from the Vernon Impoundment (Connecticut River) for cooling purposes.

Northfield Mountain Pumped Storage Project. On March 28, a study dispute meeting occurred with FERC, USFWS, FirstLight and the Study Dispute Panel. After this meeting, a series of conference calls and information exchanges occurred between FERC, USFWS and FirstLight. On May 2, 2014, USFWS filed with FERC a proposed study plan for conducting the ichthyoplankton entrainment assessment and indicated that if FERC accepted the proposed plan, USFWS would consider its study dispute resolved. On May 2 2014, FirstLight filed a letter supporting the USFWS study plan. In light of USFWS's proposed resolution of the dispute, on May 2, FERC's Director of Energy Projects suspended the Dispute Panel's activities until further notice. Although FERC's Director of Energy Projects has not yet acted on the proposal, FirstLight has included the status of the 2015 ichthyoplankton entrainment assessment in this Progress Report as Study No. 3.3.20, raising the total number of studies to 39.

FERC's Scoping Document 1 set forth a schedule for FirstLight to file the Study Progress Report in spring/summer 2014. The bulk of studies slated for 2014 have been initiated; however, in many cases the field data collection effort is ongoing in accordance with the schedules set forth in the individual study plans. FirstLight is providing the attached matrix indicating the status of each study. The attached matrix contains a brief summary of the progress made or status of each of the 39 studies detailed in the RSP or added since the issuance of the SPDLs (ichthyoplankton study).²

FirstLight is filing the 2014 study progress report with the Commission electronically. To access this document on the Commission's website (<u>http://www.ferc.gov</u>), go to the "eLibrary" link, and enter the docket number, P-1889 or P-2485. FirstLight is also making the document available for downloading at its relicensing website. To access the document, navigate to <u>http://www.northfieldrelicensing.com</u>, on the navigation pane located on the left side of the page, and click on the "Documents" link.

Also, as required by FERC's Integrated Licensing Process regulations, the 2014 Initial Study Report (ISR) must be filed by September 15, 2014, and 15 days thereafter an ISR meeting is required. At this juncture, FirstLight is reserving September 30 and October 1, 2014 (9:00 am to 5:00 pm) as meeting dates. These meetings will be held at the Northfield Visitors Center (99 Millers Falls Road, Northfield, MA 01360).

If you have any questions regarding the above, please do not hesitate to contact me.

Sincerely,

John Howard

 $^{^{2}}$ In accordance with 18 C.F.R. § 5.15 (c)(1), FirstLight's Initial Study Report is due no later than one year from the date of the SPDL, which was issued on September 13, 2013. Because September 13, 2014 falls on a Saturday, the due date defers to the next business day or Monday, September 15, 2014. Thus, FirstLight will file its Initial Study Report by September 15, 2014. FirstLight intends to include a detailed study plan for Study No. 3.3.20, the ichthyoplankton entrainment assessment in the Initial Study Report.

ACRONYMS

AMC	Appalachian Mountain Club
APE	Area of Potential Effect as pertaining to Section 106 of the National Historic Preservation Act
AW	American Whitewater
CRPT	Connecticut River Paddlers Trail
CRSEC	Connecticut River Streambank Erosion Committee
CRWC	Connecticut River Watershed Council
ECP	Erosion Control Plan
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FCD	Franklin Conservation District
FIS	Flood Insurance Study
FRCOG	Franklin Regional Council of Governments
FRR	Full River Reconnaissance
HEC	Hydrologic Engineering Center (HEC-2 is a hydraulic modeling program)
ILP	Integrated Licensing Process
ISR	Initial Study Report
LCCLC	Landowners for Concerned Citizens for License Compliance
MA	Massachusetts
MADCR	Massachusetts Department of Conservation and Recreation
MADEP	Massachusetts Department of Environmental Protection
MADFW	Massachusetts Division of Fish and Wildlife
MHC	Massachusetts Historical Commission
NEFLOW	New England Flow
NHDES	New Hampshire Department of Environmental Services
NHDHR	New Hampshire Division of Historical Resources
NHESP	Massachusetts Natural Heritage and Endangered Species Program
NMFS	National Marine Fisheries Service
NPS	National Park Service
NRHP	National Register of Historic Places
PSP	Proposed Study Plan
QA/QC	Quality Assurance/Quality Control
RSP	Revised Study Plan

FirstLight Studies, Year of Field Data Collection, and Status Update

RTE	rare, threatened and endangered species
S&A	Simons & Associates
SHPO	State Historic Preservation Officer
SPDL	Study Plan Determination Letter
THPO	Tribal Historic Preservation Officer
TNC	The Nature Conservancy
TU	Trout Unlimited
USACOE	United States Army Corps of Engineers
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
VDHP	Vermont Division of Historic Preservation

Study			Field S	beason		
No.	Title	2014	2015	2016	NA	Status Update
Geolog	y and Soils					
3.1.1	2013 Full River Reconnaissance					Field work was conducted November 11-19, December 10-13, 2013 during leaf-off conditions. A complete
						ISR and for compliance purposes.
3.1.2	Northfield Mountain/Turners Falls Operations Impact					A draft Transect Selection Report was drafted based on the results of the 2013 FRR to identify proposed site
	on Existing Erosion and Potential Bank Instability					provided to MADEP in May. A meeting occurred with MADEP on June 4, 2014 to obtain input on the properties the dreft Transact Selection Report uses undeted based on MADEP input and then transmitted to Cl
		Х				meeting the draft Transect Selection Report was updated based on MADEP input and then transmitted to Cl CRSEC as per FERC's SPDL. A second meeting was held with these parties on June 24, 2014. FirstLight
		Λ				Stakeholders on June 27, 2014. Written comments were provided to FirstLight by CRWC and FRCOG as r
						July 15, 2014. FirstLight formally responded to CRWC and FRCOG comments on July 23, 2014. FirstLight
						proposed locations for detailed study as per Stakeholder feedback. Field work began on July 14, 2014 and i
3.1.3	Northfield Mountain Project Sediment Management					One LISST-StreamSide and two LISST-HYDRO continuous suspended sediment concentration monitoring
01110	Plan					will continue to operate until roughly November when temperatures drop below freezing. The equipment is
		Х	Х			offload. Preliminary data review and QA/QC is conducted on a bi-weekly schedule. A year-end report is d
						of the data will occur in advance of the annual report to FERC.
Water	Resources					
3.2.1	Water Quality Monitoring Study		Х			Per FERC's SPDL, FirstLight provided stakeholders with a Draft Field Sampling Plan for review and comm
		ļ				are due July 28, 2014. FirstLight will file the Field Sampling Plan and written comments/approvals as requi
3.2.2	Hydraulic Study of Turners Falls Impoundment, Bypass					Turners Falls Impoundment Hydraulic Model
	Reach and below Cabot					Water level loggers were deployed in the Turners Falls Impoundment in March 2014 and are serviced (inclu
						QA/AC) approximately bi-weekly. Loggers will be removed in the fall. Updated bathymetric mapping wa
						Vernon Dam and the NH/VT/MA state line. In addition updated bathymetry was collected 5 km upstream a 3.3.9. Finally, updated upland topography along the riverbanks was obtained. Using the updated bank topography along the riverbanks was obtained.
						currently being updated and calibrated to the water level logger data.
						currentry being updated and canorated to the water level logger data.
		Х				Connecticut River from Turners Falls Dam to Holyoke Dam Hydraulic Model
						This study called for re-creating a hydraulic model of the Connecticut River from Turners Falls Dam to Hol
						FirstLight was able to locate most of the HEC-2 files from FEMA and cross sections from a 7 mile reach in
						of the town of Hatfield, which is located below the Sunderland Bridge. Numerous inquires were made with
						Hatfield could not be located. Given this, FirstLight collected 8 transects in the town of Hatfield and this in
						hydraulic model. The model is being calibrated with water level logger data (mostly from 2012) and from c
						with the Holyoke Project (P-2004).
	c Resources			1	T	
3.3.1	Conduct Instream Flow Habitat Assessments in the					Correspondence
	Bypass Reach and below Cabot Station					A meeting was held with stakeholders on May 8, 2013. Stakeholders were provided with additional details
						curves). A site visit with stakeholders to select study transect locations was held on September 9-10, 2013.
						November 12, 2013. Two conference calls were held with MA NHESP in May 2014 to discuss state-listed additional details of the study methods on March 28, 2014 (substrate coding and Reach 1 methods), and Jun
		Х	Х			Several stakeholders submitted comments on this additional information. FirstLight issued responses to the
		Λ	Λ			July 11, 2014.
						July 11, 2017.
						Field Data Collection
						Water level loggers have been located throughout the study area to help calibrate the hydraulic models used
						started in early July. Additional field work for Reaches 1-3 is slated for late July 2014, weather permitting.
3.3.2	Evaluate Upstream and Downstream Passage of Adult					The primary field effort is scheduled for 2015. Field reconnaissance and range testing of the proposed radio
	American Shad		Х			reconnaissance and range testing will inform the study team about the feasibility of monitoring locations as
						Task 1 (Review Existing Information), a portion of Task 2 (Study Design and Methods) and ordering of equ
3.3.3	Evaluate Downstream Passage of Juvenile American					The primary field effort is scheduled for 2015, but a portion of Task 1 will be conducted in 2014 relative to
	Shad		Х			August 2014 to determine the exact location, orientation and number of transducers necessary to optimize h
			11			Connecticut River adult shad in 2014 and sent them to a lab to ensure they are disease free before sending fi
		ļ				120mm by September is possible. A plan to secure enough juvenile shad to conduct the study is in progress.
3.3.4	Evaluate Upstream Passage of American Eel at the	Х				Field work is in progress (Task 1: Systematic Surveys). Nighttime field surveys for eel have been conducted
	Turners Falls	-				study area beginning June 26. An additional 6-8 nighttime survey will be conducted throughout the 2014 mi

ete FRR study report is due in September 2014 as part of the

sites for detailed field data collection. The Draft Report was proposed locations for detailed field study. Following this CRWC, FCD, FRCOG, FERC, MADEP, LCCLC, and the ht provided additional information requested at the meeting to as requested on July 3. MADEP sent a follow-up letter dated Light's response included adjusting several of the originally and is expected to continue through the fall.

ng instruments were installed in March 2014. The instruments t is visited two times per week for routine maintenance and data is due to FERC by December 1, 2014. Final review and QA/QC

nment on June 27, 2014. Written comments on the Draft Plan quired by FERC in its SPDL as part of the ISR.

ncluding data downloading and preliminary data review and was collected in the Turners Falls Impoundment between m and downstream of the Northfield tailrace as part of Study No. popography and bathymetry, the existing hydraulic model is

Holyoke Dam using the FEMA HEC-2 hydraulic model. in the Northampton area from the USACOE with the exception ith several other agencies; however, the hydraulic model for s information has been incorporated into the downstream m data available from filed impoundment management studies

ils of the study methods on May 30, 2013 (habitat suitability 13. A follow-up meeting was held with stakeholders on ed mussels in the study area. Stakeholders were provided with June 6, 2014 (water level logger locations and HSI addendum). these comments to the stakeholder group on May 5, 2014 and

ed in the study. Substrate and bathymetric mapping of Reach 3 g. Field work for Reach 4-5 is slated for 2015.

diotelemetry monitoring is slated to occur in July 2014. Field as scoped in the RSP and results will be included in the ISR. equipment will occur in 2014.

to study planning. Field reconnaissance is slated to occur in e hydroacoustic data collection. The USFWS has obtained 60 g fish to the USFWS hatchery to determine if growing them to ss.

ted on June 12, 26, July 2, and 11. Eels became present in the migration season.

Study		Field Season				
No.	Title	2014	2015	2016	NA	- Status Update
3.3.5	Evaluate Downstream Passage of American Eel		x			The primary field work effort associated with this study will occur in 2015, but a portion of Task 1 will be reconnaissance is slated to occur in August 2014 to determine the exact location, orientation and number of collection.
3.3.6	Impact of Project Operations on Shad Spawning, Spawning Habitat and Egg Deposition in the Area of the Northfield Mountain and Turners Falls Projects		X			No field activities are slated for 2014, but a meeting was held on June 3, 2014 with USFWS, MADFW, NM methods and shortnose sturgeon impacts. As requested, FirstLight sent a letter to NMFS on July 3, 2014 pr 2014 and requested additional information and specific language to be included and the other agencies to be study plan to avoid impacts to shortnose sturgeon.
3.3.7	Fish Entrainment and Turbine Passage Mortality Study	Х				The study is in progress; however, the final study report which will incorporate hydroacoustic data collected
3.3.8	Computational Fluid Dynamics Modeling in the Vicinity of the Fishway Entrances and Powerhouse Forebays	X				Bathymetric data has been collected in the Cabot Station forebay and entrance, and Station No. 1 forebay and of the Cabot and Spillway fish ladders. Post-processing of field data for the Cabot Station and Station No. up the 3D model for the forebay CFD models.
3.3.9	Two-Dimensional Modeling of the Northfield Mountain Pumped Storage Project Intake/Tailrace Channel and Connecticut River Upstream and Downstream of the Intake/Tailrace	x				Field data collection for the 2 units generating and 2 units pumping scenarios were completed on April 6-7, measurements along three transects in the Northfield tailrace. This same information was collected along the generating scenarios on July 12, 2014. Bathymetric data was collected in the Turners Falls Impoundment f Northfield tailrace on May 27 and June 2-4, 2014. Throughout the spring and summer, 6 water level logger loggers are located approximately 5 km upstream and downstream of the tailrace, approximately 1 km upstream and downstream of the tailrace, approximately 1 km upstream of the tailrace on the intake structure in orde offloaded from all 7 of these instruments periodically. The data collected in the field is being processed, so
3.3.10	Assess Operational Impacts on Emergence of State- Listed Odonates in the Connecticut River	Х	X			A collection permit was obtained from MA NHESP on May 15, 2014. Qualitative surveys for larvae and e complete.
3.3.11	Fish Assemblage Assessment		X			No field activities are slated for 2014, but a meeting was held on June 3, 2014 with USFWS, MADFW, NM methods and shortnose sturgeon impacts. FirstLight continues development of a modified study plan to avo
3.3.12	Evaluate Frequency and Impact of Emergency Water Control Gate Discharge Events and Bypass Flume Events on Shortnose Sturgeon Spawning and Rearing Habitat in the Tailrace and Downstream from Cabot Station	X				Task 1: Preliminary Study - Analysis of Existing Data has been completed. A report will be filed as part of
3.3.13			X			Field study to be conducted in 2015.
3.3.14	Aquatic Habitat Mapping of Turners Falls Impoundment	Х				Field effort is slated to occur in August 2014.
3.3.15	Assessment of Adult Sea Lamprey Spawning within the Turners Falls Project and Northfield Mountain Project Area		x			Field study to be conducted in 2015.
3.3.16	Habitat Assessment, Surveys, and Modeling of Suitable Habitat for State-listed Mussel Species in the CT River below Cabot Station	X				A collection permit was obtained from MA NHESP on May 15, 2014. The habitat assessment field work is survey sites.
3.3.17	Assess the Impacts of Project Operations of the Turners Falls Project and Northfield Mountain Project on Tributary and Backwater Area Access and Habitat	X				The springtime survey was conducted between May 21 and June 11, 2014. The summertime survey is slater for the week of October 6, 2014.
3.3.18	Impacts of the Turners Falls Canal Drawdown on Fish Migration and Aquatic Organisms	X				The power canal drawdown will occur from September 29 to October 4, 2014. A meeting with USFWS, M 3, 2014 to discuss appropriate locations for measuring dissolved oxygen in the Zone 7 pool. A letter to the for quadrats to sample sea lamprey ammocetes and mussels.
3.3.19	Evaluate the Use of an Ultrasound Array to Facilitate Upstream Movement to Turners Falls Dam by Avoiding Cabot Station Tailrace			X		Field study to be conducted in 2016.
3.3.20	Ichthyoplankton Entrainment Assessment at the Northfield Mountain Pumped Storage Project		X			This was a disputed study. FirstLight, USFWS and FERC worked collectively to reach agreement on a san likely be filed as part of the ISR.
	trial Resources	1				
3.4.1	Baseline Study of Terrestrial Wildlife and Botanical Resources	Х				Field data collection began in April 2014 and will continue through September 2014. Data is being collected included terrestrial wildlife, habitat, vegetation cover type and invasive plant mapping.

be conducted in 2014 relative to study planning. Field of transducers necessary to optimize hydroacoustic data

NMFS, FERC, CRWC, and TNC to discuss field collection proposing revised methodology. NMFS replied on July 14, be consulted. FirstLight continues development of a modified

cted for Study Nos. 3.3.3 and 3.3.5 will be completed in 2015. 7 and entrance. Bathymetric data is still needed at the entrances o. 1 forebays is nearly complete. FirstLight is beginning to set

-7, 2014, respectively. This data included velocity and depth g the same three transects for the 4 units pumping and 4 units it for approximately 5 km upstream and 5 km downstream of the gers were installed in the Turners Falls Impoundment. These ostream and downstream of the tailrace, the shore opposite the der to correct for atmospheric pressure changes. Data is so that the 2D model can be developed.

exuviae to determine presence (Task 3 of 2014 study plan) is

NMFS, FERC, CRWC and TNC to discuss field collection woid impacts to shortnose sturgeon.

is underway. MA NHESP will be consulted for concurrence on

ted for the week of August 11, 2014 and the fall survey is slated

MADFW, NMFS, FERC, CRWC, and TNC was held on June he agencies is in progress demonstrating the proposed locations

ampling plan. A detailed study plan is being developed and will

cted per Task 2 of the RSP. Ongoing field data collection has

Study	Tials		Field S	Season		Giadara Ta Jaka	
No.	Title	2014	2015	2016	NA	Status Update	
3.4.2	Effects of Northfield Mountain Project-related Land Management Practices and Recreation Use on Terrestrial Habitats	X				Field data collection began in April 2014 and will continue through September 2014. Data is being collected collection has included vernal pool surveys, wetland, wildlife, habitat, vegetation cover type and invasive plate.	
Wetlan	ds, Riparian and Littoral Resources		1	1			
3.5.1	Baseline Inventory of Wetland, Riparian and Littoral Habitat in the Turners Falls Impoundment, and Assessment of Operational Impacts on Special-Status Species	x				Field data collection began in late May 2014 and will continue through October 2014. Data is being collect collection has included botanical, sensitive plant, invasive plant and wetland verification surveys. NHESP a with the sensitive plant survey. Initial site reconnaissance for potential habitats of NHESP listed sensitive p with the Botanist on the selection of a sub-set of locations and survey windows to complete fine detailed surveys, a NHESP prior to field surveys slated for late August when NHESP targeted RTE plants are most conspicuous Davis, a NHESP approved Tiger Beetle expert, who will be assisting in completing Task 6 of the RSP. Per survey key beaches where Tiger Beetles have historically been present and potential un-occupied beeches. initial reconnaissance to be scheduled starting July 21, 2014. Following initial Tiger Beetle reconnaissance selection of placement of transects with NHESP prior to the Tiger Beetle active season which, as indicated late August due to the high river flows observed in 2014.	
	tion and Land Use		 	T	1		
3.6.1	Recreation Use/User Contact Survey	х				Field data collection began in January 2014 and will continue through December 2014. Data is being collect recreation plans have been obtained and are being reviewed. A mail survey and cover letter have been developments were sent to the Erving, Gill, Montague, and Northfield Police Departments on April 17, 2014 and a rearration study and providing the make and model of each of the seasonal staff vahiales.	
3.6.2	Recreation Facilities Inventory and Assessment	X				recreation study and providing the make and model of each of the seasonal staff vehicles. Field data collection has been completed for this project. Results of the inventory and assessment will be in	
3.6.3	Whitewater Boating Evaluation	X				The Turners Falls bypass whitewater boating evaluation occurred on July 19-21, 2014. FirstLight coordinat July 1, 2014 to discuss study logistics and details. A summary of the meeting was sent to all participants on FirstLight and boater stakeholders. NPS, CRWC and MADCR were notified on the whitewater study dates 18 th indicating it may be interested in attending the study. NPS responded on June 19 th indicating it would n TNC, CRWC, USFWS, NMFS, MADFW and FERC notifying them of the date of the evaluation and the sc sent to the municipalities, cottage owners on the Turners Falls Impoundment, local rod and gun clubs, and r notifying them of the impending study and potential changes in impoundment elevations and increased activ	
3.6.4	Assessment of Day Use and Overnight Facilities Associated with Non-Motorized Boats	X				FirstLight reviewed the Connecticut River Paddlers Trail MA-CT Expansion Feasibility Study (2-8-13). Fi meeting in Hadley, MA on July 17, 2013. At the meeting FirstLight requested shapefiles for the existing ar feasibility study from the Trust of Public Land. CRPT provided the shapefiles and other site data on July 10 July/early August 2014.	
3.6.5	Land Use Inventory	X				Local land use plans including those listed in Task 1 of the RSP have been obtained, to the extent that they a of the study will be completed in 2015 after the completion of other resource studies proposed in the RSP.	
3.6.6	Assessment of Effects of Project Operation on Recreation and Land Use	X				This study will be initiated in the fall of 2014; the bulk of the study will be completed in 2015 after the com	
3.6.7	Recreation Study at Northfield Mountain, including Assessment of Sufficiency of Trails for Shared Use	Х				Field work of Northfield Mountain was conducted on February 12-13, 2013 and October 4-5, 2013 to inspect with FirstLight. Field work for the trail assessment is anticipated to begin in the fall of 2014 during leaf-off with the Recreation Use/User Contact Survey will be used to conduct this assessment.	
	al Resources		1	1	T		
3.7.1	Phase IA, IB, and Phase II Archaeological Surveys	X				Consultation with FERC, the SHPOs, the Narragansett Indian Tribe, the Nolumbeka Project, and CWRC re FirstLight submitted a MHC State Archaeologist permit application on February 12, 2014. FirstLight has c the Reconnaissance Survey. FirstLight received a letter from MHC on June 9, 2014 that included a permit to local repositories took place during the week of July 14, 2014. Field work for the Reconnaissance Survey to	
3.7.2	Historic Structures Inventory and National Register Evaluation	X				The 2013-2014 historic architectural survey for the FirstLight Turners Falls/Northfield Mountain Projects h with each SHPO during the week of November 20, 2013 to define the survey boundaries and survey method previously identified architectural resources during that same week; background research on previously identified state repositories throughout the months of January through March 2014; an initial "windshield" survey to v level survey of all resources 50 years and older, including digital photography conducted during the week of state architectural survey forms during April through June 2014; preparation of a historic context of the API eligibility, either as an individual resource or as a contributing resource in an NRHP-listed or potential historic	

cted per Tasks 2 through 4 of the RSP. Ongoing field data plant mapping.

ected per Tasks 2 through 6 of the RSP. Ongoing field data SP approved botanist Steve Johnson has been retained to assist re plants has been completed. FirstLight is currently working surveys per Task 3 of the RSP and will be coordinating with hous and more readily identifiable. FirstLight retained Chris Per Mr. Davis, river flows have been too high to identify and s. Mr. Davis is continuing to monitor river flows and anticipates nee surveys FirstLight will coordinate detailed surveys and ed by Mr. Davis, is likely to occur from late July through mid to

lected per Task 2 of the RSP. Readily available municipal veloped and the initial mailing is being prepared.

l again on June 18, 2014 informing them about the on-going

included in the ISR.

nated a meeting and site visit with AMC, AW and NEFLOW on on July 8, 2014. Study logistics were coordinated with tes via e-mail dated June 18, 2014. CRWC responded on June ld not attend the study. An e-mail dated July 7, 2014 was sent to e schedule of flows to be released for the study. Letters were d residents near the Poplar Street take-out area on July 3, 2014 ctivity at the Poplar Street take-out during the study.

FirstLight attended a Connecticut River Paddlers Trail (CRPT) and potential recreation sites and access points identified in the 10, 2014. Field work for this study in slated to start in late

ey are available, and are currently being reviewed. The majority

ompletion of other resource studies proposed in the RSP.

spect trails and facilities, and discuss facilities and operations off conditions. In addition, data being gathered in connection

regarding the APE took place in the fourth quarter of 2013. conducted SHPO site file reviews and context development for t to conduct the Reconnaissance Survey fieldwork. Research at t took place July 18 through July 25, 2014.

s has consisted of separate consultations (in person and written) hodology; a site file search at each SHPO's archives for dentified architectural resources in the APE at various local and o verify the background research followed by a reconnaissancek of March 17, 2014; data synthesis, including production of APE in May 2014; and an ongoing evaluation of their NRHP storic district.

FirstLight Studies, Year of Field Data Collection, and Status Update

Study	7 Title -		Field S	eason		Status Undata
No.			2015	2016	NA	Status Update
3.7.3	Traditional Cultural Properties Study	X				Consultation with respect to the APE took place in the fourth quarter of 2013. In January 2014, FirstLight to telephone to request a meeting to introduce the ethnographer to the THPO and the Nolumbeka Project. Sub Nolumbeka Project by letters dated January 31, April 15, and April 24, 2014. A conference call among First FirstLight's selected ethnographer discussed the Tribe's participation in the TCP with the THPO on two call background literature research.
Develop	Developmental Resources					
3.8.1	Evaluate the Impact of Current and Proposed Future					FirstLight has developed a functioning HEC-ResSim simulation model of the TransCanada and FirstLight h
	Modes of Operation on Flow, Water Elevation and				Х	step to reflect the peaking nature of the river system. It has been calibrated to generation and Connecticut R
	Hydropower Generation					alternative modes of operation on environmental resources, generation, and project economics.

ht reached out to the Narragansett Indian Tribe THPO by Subsequent correspondence was sent to the THPO and the FirstLight, the THPO, and FERC took place in March 2014. calls held on July 14, 2015. FirstLight has also initiated

t hydropower facilities. The model operates on an hourly time River flows. The model will be used to evaluate the impact of