



The State of New Hampshire
Department of Environmental Services



Robert R. Scott, Commissioner

November 14, 2017

His Excellency, Governor Christopher T. Sununu
and The Honorable Council
State House
Concord, NH 03301

REQUESTED ACTION

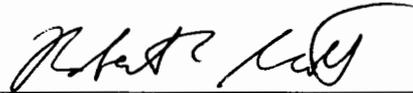
Authorize the Department of Environmental Services to amend an agreement (PO #1042825) with the University of New Hampshire, (VC # 177867-BO46) for the *Great Bay Municipal Bioretention Program – Phase 2* project by extending the end date from December 31, 2017 to December 31, 2018. The original agreement was approved by the G&C on March 25, 2015, Item #42 and amended October 26, 2016, Item 5C. No additional funding is requested in this amendment.

EXPLANATION

The New Hampshire Department of Environmental Services (NHDES) requests this Amendment to provide additional time for the Grantee to complete the project. This Amendment is necessary because the construction of several stormwater practices is taking longer than planned due to unanticipated site and design constraints that need to be resolved before the installations can be fully constructed. Please see Attachment A for a copy of the original Grant Agreement.

The Great Bay Nitrogen Non-point Source Pollution Study (NHDES, 2014) identified stormwater as a significant source of non-point source pollution loads to Great Bay (34%). The *Great Bay Estuary Municipal Bioretention Education, Resource Development and Implementation, Phase 2* project will assist communities to develop capacity and implement strategies to reduce pollutant loads delivered to the Bay. This project will utilize innovative management tools to address water quality impairments associated with stormwater runoff from urbanized areas. Specifically, large expanses of impervious cover will be addressed in the towns of Brentwood and Durham through implementation of stormwater runoff management practices designed to filter out pollutants and reduce stormwater volumes. Additionally, source control strategies for fertilizer reductions will be identified and quantified for a residential site in the town of Durham. Efforts will be made to maximize pollutant load reductions by targeting known pollutant hot spot areas. Technology transfer documentation and guidance will be developed to share project outcomes and promote project transferability with other Great Bay area communities. To date, \$81,000 of the original grant amount of \$131,000 has been spent.

In the event that Federal Funds become no longer available, General Funds will not be requested to support this program. The amendment has been approved by the Office of the Attorney General as to form, execution, and content. We respectfully request your approval.


Robert R. Scott, Commissioner

AMENDMENT #2 to
COOPERATIVE PROJECT AGREEMENT
between the
STATE OF NEW HAMPSHIRE, Department of Environmental Services
and the
University of New Hampshire of the UNIVERSITY SYSTEM OF NEW HAMPSHIRE

The Cooperative Project Agreement, approved by the State of New Hampshire Governor and Executive Council on **March 25, 2015**, item # **42**, for the Project titled "**Great Bay Municipal Bioretention Program – Phase 2**," Campus Project Director, **James Houle**, is and all subsequent properly approved amendments are hereby modified by mutual consent of both parties for the reason(s) described below:

Purpose of Amendment (Choose all applicable items):

- Extend the Project Agreement and Project Period end date, at no additional cost to the State.
- Provide additional funding from the State for expansion of the Scope of Work under the Cooperative Project Agreement.
- Other:

Therefore, the Cooperative Project Agreement is and/or its subsequent properly approved amendments are amended as follows (Complete only the applicable items):

- Article A. is revised to replace the State Department name of _____ with _____ and/or USNH campus from _____ to _____.
- Article B. is revised to replace the Project End Date of **12/31/2017** with the revised Project End Date of **12/31/2018**, and Exhibit A, article B is revised to replace the Project Period of **Upon G&C Approval – December 31, 2017** with **Upon G & C Approval – December 31, 2018**.
- Article C. is amended to add Exhibit A by including the proposal titled, “ _____ ,” dated _____.
- Article D. is amended to change the State Project Administrator to _____ and/or the Campus Project Administrator to _____.
- Article E. is amended to change the State Project Director to _____ and/or the Campus Project Director to _____.
- Article F. is amended to increase funds in the amount of \$ _____ and will read:
Total State funds in the amount of \$ _____ have been allotted and are available for payment of allowable costs incurred under this Project Agreement. State will not reimburse Campus for costs exceeding the amount specified in this paragraph.
- Article F. is amended to change the cost share requirement and will read:
Campus will cost-share _____ % of total costs during the amended term of this Project Agreement.
- Article F. is amended to change the source of Federal funds paid to Campus and will read:
Federal funds paid to Campus under this Project Agreement as amended are from Grant/Contract/Cooperative Agreement No. _____ from _____ under CFDA# _____. Federal regulations required to be passed through to Campus as part of this Project Agreement, and in accordance with the Master Agreement for Cooperative Projects between the State of New Hampshire and the University System of New Hampshire dated November 13, 2002, are attached

to this document as **revised** Exhibit B, the content of which is incorporated herein as a part of this Project Agreement.

- Article G. is exercised to amend Article(s) _____ of the Master Agreement for Cooperative Projects between the State of New Hampshire and the University System of New Hampshire dated November 13, 2002, as follows:

Article _____ is amended in its entirety to read as follows:

Article _____ is amended in its entirety to read as follows:

- Article H. is amended such that:

- State has chosen **not to take** possession of equipment purchased under this Project Agreement.
- State has chosen **to take** possession of equipment purchased under this Project Agreement and will issue instructions for the disposition of such equipment within 90 days of the Project Agreement's end-date. Any expenses incurred by Campus in carrying out State's requested disposition will be fully reimbursed by State.

- Exhibit A is amended as attached.

- Exhibit B is amended as attached.

All other terms and conditions of the Cooperative Project Agreement remain unchanged.

This Amendment, all previous Amendments, the Cooperative Project Agreement, and the Master Agreement constitute the entire agreement between State and Campus regarding the Cooperative Project Agreement, and supersede and replace any previously existing arrangements, oral and written; further changes herein must be made by written amendment and executed for the parties by their authorized officials.

This Amendment and all obligations of the parties hereunder shall become effective on the date the Governor and Executive Council of the State of New Hampshire or other authorized officials approve this Amendment to the Cooperative Project Agreement.

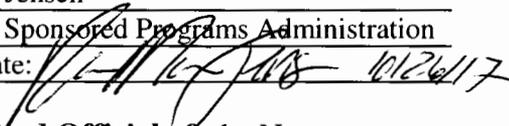
IN WITNESS WHEREOF, the following parties agree to this **Amendment #2** to the Cooperative Project Agreement.

By An Authorized Official of:

University of New Hampshire

Name: Karen M. Jensen

Title: Manager, Sponsored Programs Administration

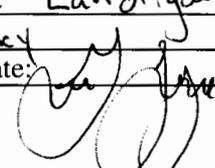
Signature and Date:  10/26/17

By An Authorized Official of: the New

Hampshire Office of the Attorney General

Name: Gordon Landry

Title: Attorney

Signature and Date:  11/16/17

By An Authorized Official of:

Department of Environmental Services

Name: Robert R. Scott

Title: Commissioner

Signature and Date:  11/14/17

By An Authorized Official of: the New

Hampshire Governor & Executive Council

Name: _____

Title: _____

Signature and Date: _____

EXHIBIT A

- A. **Project Title:**
- B. **Project Period:** Upon G & C Approval – December 31, 2018
- C. **Objectives:**
- D. **Scope of Work:**
- E. **Deliverables Schedule:**
- F. **Budget and Invoicing Instructions:**

Attachment A
Copy of Original Grant Agreement and Amendment 1



The State of New Hampshire

DEPARTMENT OF ENVIRONMENTAL SERVICES

Bally Soule



Thomas S. Burack, Commissioner

September 7, 2016

Her Excellency, Governor Margaret Wood Hassan
and The Honorable Council
State House
Concord, NH 03301

APPROVED G&C

DATE 10/26/16
ITEM # 5A

REQUESTED ACTION

Authorize the Department of Environmental Services to amend an agreement (PO #1042825) with the University of New Hampshire, (VC # 177867-BO46) for the *Great Bay Municipal Bioretention Program – Phase 2* project by extending the end date from November 30, 2016 to December 31, 2017. The original agreement was approved by the G&C on March 25, 2015, Item #42. No additional funding is requested in this amendment.

EXPLANATION

DES is requesting this Amendment to provide additional time for the Grantee to complete the project. This Amendment is necessary because construction of several stormwater practices is taking longer than planned due to unanticipated site and design constraints that need to be resolved before the installations can be fully constructed. Please see Attachment A for a copy of the original Grant Agreement.

The Great Bay Nitrogen Non-point Source Pollution Study (NHDES, 2014) identified stormwater as a significant source of non-point source pollution loads to Great Bay (34%). The *Great Bay Estuary Municipal Bioretention Education, Resource Development and Implementation, Phase 2* project will assist communities to develop capacity and implement strategies to reduce pollutant loads delivered to the Bay. This project will utilize innovative management tools to address water quality impairments associated with stormwater runoff from urbanized areas. Specifically, large expanses of impervious cover will be addressed in the towns of Brentwood and Durham through implementation of stormwater runoff management practices designed to filter out pollutants and reduce stormwater volumes. Additionally, source control strategies for fertilizer reductions will be identified and quantified for a residential site in the town of Durham. Efforts will be made to maximize pollutant load reductions by targeting known pollutant hot spot areas. Technology transfer documentation and guidance will be developed to share project outcomes and promote project transferability with other Great Bay area communities.

In the event that Federal Funds become no longer available, General Funds will not be requested to support this program. The agreement has been approved by the Office of the Attorney General as to form, execution, and content.

We respectfully request your approval.

Thomas S. Burack
Thomas S. Burack, Commissioner

AMENDMENT #1 to
COOPERATIVE PROJECT AGREEMENT
between the
STATE OF NEW HAMPSHIRE, **Department of Environmental Services**
and the
University of New Hampshire of the UNIVERSITY SYSTEM OF NEW HAMPSHIRE

The Cooperative Project Agreement, approved by the State of New Hampshire Governor and Executive Council on 3/25/15, item # 42, for the Project titled "Great Bay Municipal Bioretention Program - Phase 2," Campus Project Director, **James Houle**, is and all subsequent properly approved amendments are hereby modified by mutual consent of both parties for the reason(s) described below:

Purpose of Amendment (Choose all applicable items):

- Extend the Project Agreement and Project Period end date, at no additional cost to the State.
- Provide additional funding from the State for expansion of the Scope of Work under the Cooperative Project Agreement.
- Other:

Therefore, the Cooperative Project Agreement is and/or its subsequent properly approved amendments are amended as follows (Complete only the applicable items):

- Article A. is revised to replace the State Department name of _____ with _____ and/or USNH campus from _____ to _____.
- Article B. is revised to replace the Project End Date of **November 30, 2016** with the revised Project End Date of **December 31, 2017**, and Exhibit A, article B is revised to replace the Project Period of **Upon G & C Approval – November 30, 2016** with **Upon G & C Approval – December 31, 2017**.
- Article C. is amended to add Exhibit A by including the proposal titled, " _____," dated _____.
- Article D. is amended to change the State Project Administrator to _____ and/or the Campus Project Administrator to _____.
- Article E. is amended to change the State Project Director to _____ and/or the Campus Project Director to _____.
- Article F. is amended to increase funds in the amount of \$ _____ and will read:
Total State funds in the amount of \$ _____ have been allotted and are available for payment of allowable costs incurred under this Project Agreement. State will not reimburse Campus for costs exceeding the amount specified in this paragraph.
- Article F. is amended to change the cost share requirement and will read:
Campus will cost-share _____ % of total costs during the amended term of this Project Agreement.
- Article F. is amended to change the source of Federal funds paid to Campus and will read:
Federal funds paid to Campus under this Project Agreement as amended are from Grant/Contract/Cooperative Agreement No. _____ from _____ under CFDA# _____. Federal regulations required to be passed through to Campus as part of this Project Agreement, and in accordance with the Master Agreement for Cooperative Projects between the State of New

Hampshire and the University System of New Hampshire dated November 13, 2002, are attached to this document as **revised Exhibit B**, the content of which is incorporated herein as a part of this Project Agreement.

- Article G. is exercised to amend Article(s) _____ of the Master Agreement for Cooperative Projects between the State of New Hampshire and the University System of New Hampshire dated November 13, 2002, as follows:

Article _____ is amended in its entirety to read as follows:

Article _____ is amended in its entirety to read as follows:

- Article H. is amended such that:

- State has chosen **not to take** possession of equipment purchased under this Project Agreement.
- State has chosen **to take** possession of equipment purchased under this Project Agreement and will issue instructions for the disposition of such equipment within 90 days of the Project Agreement's end-date. Any expenses incurred by Campus in carrying out State's requested disposition will be fully reimbursed by State.

- Exhibit A is amended as attached.

- Exhibit B is amended as attached.

All other terms and conditions of the Cooperative Project Agreement remain unchanged.

This Amendment, all previous Amendments, the Cooperative Project Agreement, and the Master Agreement constitute the entire agreement between State and Campus regarding the Cooperative Project Agreement, and supersede and replace any previously existing arrangements, oral and written; further changes herein must be made by written amendment and executed for the parties by their authorized officials.

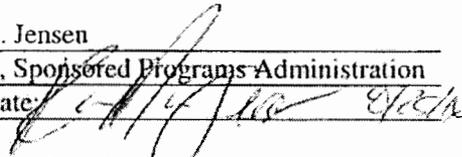
This Amendment and all obligations of the parties hereunder shall become effective on the date the Governor and Executive Council of the State of New Hampshire or other authorized officials approve this Amendment to the Cooperative Project Agreement.

IN WITNESS WHEREOF, the following parties agree to this **Amendment #1** to the Cooperative Project Agreement.

**By An Authorized Official of:
University of New Hampshire**

Name: Karen M. Jensen

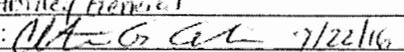
Title: Manager, Sponsored Programs Administration

Signature and Date:  9/21/16

**By An Authorized Official of: the New
Hampshire Office of the Attorney General**

Name: Christopher G. Astin

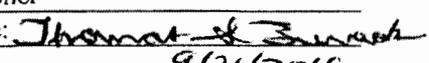
Title: Assistant Attorney General

Signature and Date:  9/22/16

**By An Authorized Official of:
New Hampshire Department of
Environmental Services**

Name: Thomas S. Burack

Title: Commissioner

Signature and Date:  9/21/2016

**By An Authorized Official of: the New
Hampshire Governor & Executive Council**

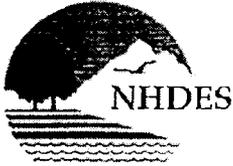
Name: _____

Title: _____

Signature and Date: _____

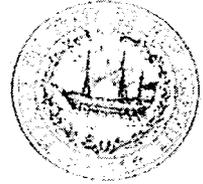
EXHIBIT A

- A. Project Title:**
- B. Project Period:** Upon G & C Approval - December 31, 2017
- C. Objectives:**
- D. Scope of Work:**
- E. Deliverables Schedule:**
- F. Budget and Invoicing Instructions:**



The State of New Hampshire
Department of Environmental Services

Thomas S. Burack, Commissioner



February 24, 2015

Her Excellency, Governor Margaret Wood Hassan
and The Honorable Council
State House
Concord, NH 03301

DATE 3/25/15
42

REQUESTED ACTION

Authorize the Department of Environmental Services to enter into an agreement with the University of New Hampshire, (VC #177867-BO46) in the amount of \$131,000 to complete the *Great Bay Estuary Municipal Bioretention Education, Resource Development and Implementation, Phase II* effective upon Governor and Council approval through November 30, 2016. 100% Federal Funds.

Funding is available in the accounts as follows with the authority to adjust encumbrances in each of the State fiscal years through the Budget Office if needed and justified. Funding for FY 2016 is contingent upon continuing appropriation and availability of funds.

	<u>FY 2015</u>	
03-44-44-442010-2035-072-500574	\$81,000	
Dept. Environmental Services, NPS Restoration Program, Grants-Federal		
	<u>FY 2015</u>	<u>FY 2016</u>
03-44-44-442010-3642-072-500574	\$17,000	\$33,000
Dept. Environmental Services, Coastal Zone Management, Grants – Federal		

EXPLANATION

The Department of Environmental Services (DES) issued a Request for Proposals (RFP) for the 2015 Watershed Assistance Grants program. Twenty proposals were received. The proposals were ranked based on the criteria included in the RFP: water quality improvement or protection; cost/benefit ratio; local capacity to complete the project; relative value or significance of the water body; and, general quality and thoroughness of the proposal. Based on results of the selection process and available federal grant funding levels, the eleven highest ranked projects were selected to receive funding. Please see Attachment B for a list of project rankings and review team members.

The Watershed Assistance Grants focus on the reduction of nonpoint source (NPS) pollution. NPS pollution occurs when rainfall, snowmelt, or irrigation water runs over land or through the ground, transporting materials which are then deposited into rivers, lakes, and coastal waters, or introduced into the groundwater. Pollutants can include chemicals, sediments, nutrients, and toxics. These materials can have harmful effects on drinking water supplies, recreation, fisheries, and wildlife. Land development or changes in land use can also cause NPS pollution by disrupting the natural hydrology of a water body,



COOPERATIVE PROJECT AGREEMENT

between the

STATE OF NEW HAMPSHIRE, **Department of Environmental Services**
and the

University of New Hampshire of the UNIVERSITY SYSTEM OF NEW HAMPSHIRE

- A. This Cooperative Project Agreement (hereinafter "Project Agreement") is entered into by the State of New Hampshire, **Department of Environmental Services**, (hereinafter "State"), and the University System of New Hampshire, acting through **University of New Hampshire**, (hereinafter "Campus"), for the purpose of undertaking a project of mutual interest. This Cooperative Project shall be carried out under the terms and conditions of the Master Agreement for Cooperative Projects between the State of New Hampshire and the University System of New Hampshire dated November 13, 2002, except as may be modified herein.
- B. This Project Agreement and all obligations of the parties hereunder shall become effective on the date the Governor and Executive Council of the State of New Hampshire approve this Project Agreement ("Effective date") and shall end on **11/30/16**. If the provision of services by Campus precedes the Effective date, all services performed by Campus shall be performed at the sole risk of Campus and in the event that this Project Agreement does not become effective, State shall be under no obligation to pay Campus for costs incurred or services performed; however, if this Project Agreement becomes effective, all costs incurred prior to the Effective date that would otherwise be allowable shall be paid under the terms of this Project Agreement.
- C. The work to be performed under the terms of this Project Agreement is described in the proposal identified below and attached to this document as **Exhibit A**, the content of which is incorporated herein as a part of this Project Agreement.

Project Title: **Great Bay Municipal Bioretention Program - Phase 2**

- D. The Following Individuals are designated as Project Administrators. These Project Administrators shall be responsible for the business aspects of this Project Agreement and all invoices, payments, project amendments and related correspondence shall be directed to the individuals so designated.

State Project Administrator

Name: Eric Williams
Address: NH Dept of Environmental Services
29 Hazen Dr.
Concord, NH 03302
Phone: 603-271-2358

Campus Project Administrator

Name: Dianne Hall
Address: University of New Hampshire
Sponsored Programs Administration
51 College Rd. Rm 116
Durham, NH 03824
Phone: 603-862-1942

- E. The Following Individuals are designated as Project Directors. These Project Directors shall be responsible for the technical leadership and conduct of the project. All progress reports, completion reports and related correspondence shall be directed to the individuals so designated.

State Project Director

Name: Sally Soule
Address: NH Dept of Environmental Services
222 International Dr. Suite 175
Portsmouth, NH 03801
Phone: 603-559-0032

Campus Project Director

Name: James Houle
Address: University of New Hampshire
Stormwater Center
35 Colovos Rd.
Durham, NH 03824
Phone: 603-862-9357

Her Excellency, Governor Margaret Wood Hassan
And the Honorable Council

Page 2

increasing impervious surfaces, and contributing to the loss of aquatic habitat. Watershed Assistance programs address NPS pollution by promoting good land use practices on a watershed scale.

Coastal Program staff reviewed the ranking results and scope of services submitted by the University of New Hampshire for the *Great Bay Estuary Municipal Bioretention Education, Resource Development and Implementation, Phase II* and determined that the project helps meet the water quality goals and performance measures of the Coastal Program.

The Great Bay Nitrogen Non-point Source Pollution Study (NH DES, 2014) identified stormwater as a significant source of non-point source pollution loads to Great Bay (34%). The *Great Bay Estuary Municipal Bioretention Education, Resource Development and Implementation, Phase II* project will assist communities to develop capacity and implement strategies to reduce pollutant loads delivered to the Bay. This project will utilize innovative management tools to address water quality impairments associated with stormwater runoff from urbanized areas. Specifically, large expanses of impervious cover will be addressed in the towns of Brentwood and Durham through implementation of stormwater runoff management practices designed to filter out pollutants and reduce stormwater volumes. Additionally, source control strategies for fertilizer reductions will be identified and quantified for a residential site in the town of Durham. Efforts will be made to maximize pollutant load reductions by targeting known pollutant hot spot areas. Technology transfer documentation and guidance will be developed to share project outcomes and promote project transferability with other Great Bay area communities.

The total cost for the project is \$235,024. Through this agreement, the DES Coastal Program will contribute \$50,000 in federal funds and the DES Watershed Assistance Program will contribute \$81,000 in federal funds. The UNHSC will document at least \$104,024 of non-federal match for the project. A budget breakdown of grant funds is provided in Attachment A. In the event that Federal Funds become no longer available, General Funds will not be requested to support this program. The agreement has been approved by the Office of the Attorney General as to form, execution, and content.

We respectfully request your approval.


for Thomas S. Burack, Commissioner

F. Total State funds in the amount of \$131,000 have been allotted and are available for payment of allowable costs incurred under this Project Agreement. State will not reimburse Campus for costs exceeding the amount specified in this paragraph.

Check if applicable

Campus will cost-share 44 % of total costs during the term of this Project Agreement.

Federal funds paid to Campus under this Project Agreement are from Grant/Contract/Cooperative Agreement No. NA13NOS4190042 from National Oceanic Atmospheric Administration under CFDA# 11.419 Additional federal funds are from Grant Agreement No. C9-98132415 from U.S.Environmental Protection Agency under CFDA# 66.460. Federal regulations required to be passed through to Campus as part of this Project Agreement, and in accordance with the Master Agreement for Cooperative Projects between the State of New Hampshire and the University System of New Hampshire dated November 13, 2002, are attached to this document as Exhibit B, the content of which is incorporated herein as a part of this Project Agreement.

G. Check if applicable

Article(s) of the Master Agreement for Cooperative Projects between the State of New Hampshire and the University System of New Hampshire dated November 13, 2002 is/are hereby amended to read:

H. State has chosen **not to take** possession of equipment purchased under this Project Agreement.
 State has chosen **to take** possession of equipment purchased under this Project Agreement and will issue instructions for the disposition of such equipment within 90 days of the Project Agreement's end-date. Any expenses incurred by Campus in carrying out State's requested disposition will be fully reimbursed by State.

This Project Agreement and the Master Agreement constitute the entire agreement between State and Campus regarding this Cooperative Project, and supersede and replace any previously existing arrangements, oral or written; all changes herein must be made by written amendment and executed for the parties by their authorized officials.

IN WITNESS WHEREOF, the University System of New Hampshire, acting through the University of New Hampshire and the State of New Hampshire, Department of Environmental Services have executed this Project Agreement.

By An Authorized Official of:

University of New Hampshire

Name: Karen M. Jensen

Title: Manager, Sponsored Programs Administration

Signature and Date:

[Signature] 1/23/15

By An Authorized Official of: the New

Hampshire Office of the Attorney General

Name: Lauren Nsetre

Title: Sr. Assistant Attorney General

Signature and Date:

[Signature] 3/26/15

By An Authorized Official of:

Department of Environmental Services

Name: Thomas S. Burack

Title: Commissioner

Signature and Date:

[Signature] 2/24/15

By An Authorized Official of: the New

Hampshire Governor & Executive Council

Name:

Title:

Signature and Date:

EXHIBIT A

- A. Project Title:** Great Bay Municipal Bioretention Program - Phase 2
- B. Project Period:** Upon G&C approval through November 30, 2016
- C. Objectives:** The Great Bay Nitrogen Non-point Source Pollution Study (NH DES, 2014) identified stormwater as a significant source of non-point source pollution loads to Great Bay (34%). Phase 2 of the Great Bay Municipal Bioretention Program will assist communities in developing capacity and implementing strategies to reduce pollutant loads delivered to the Bay. This project will utilize tools developed during Phase 1 of the project to address water quality impairments associated with stormwater runoff from urbanized areas. Specifically, large expanses of impervious cover (IC) will be addressed in the towns of Brentwood and Durham through implementation of runoff management practices designed to filter out pollutants and reduce stormwater volumes. Additionally, source control strategies for fertilizer reductions will be identified and quantified for a residential site in the town of Durham. Efforts will be made to maximize load reductions by targeting known pollutant hot spot areas. Technology transfer documentation and guidance will be developed to share project outcomes and promote project transferability with other Great Bay area communities.

D. Scope of Work:

Objective 1: Implement stormwater management strategies in the Town of Brentwood.

Measures of Success: Installation of at least three Best Management Practices (BMPs).

Deliverable 1: Final designs and materials lists for at least three BMPs are provided to State.

Task 1.1: Conduct site assessment and pre-installation documentation for BMP1 (Town Hall).

Task 1.2: Develop and finalize design for BMP1.

Task 1.3: Procure materials for BMP1.

Task 1.4: Install BMP 1 and provide construction oversight.

Task 1.5: Inspect and document BMP installation.

Task 1.6: Conduct site assessment and pre-installation documentation for BMP2 (Highway Department).

Task 1.7: Develop and finalize design for BMP2.

Task 1.8: Procure materials for BMP2.

Task 1.9: Install BMP 2 and provide construction oversight.

Task 1.10: Inspect and document BMP installation.

Task 1.11: Conduct site assessment and pre-installation documentation for BMP3 (Swasey School).

Task 1.12: Develop and finalize design for BMP3.

Task 1.13: Procure materials for BMP3.

Task 1.14: Install BMP 3 and provide construction oversight.

Task 1.15: Inspect and document BMP installation.

Objective 2: Quantify pre and post installation impervious cover (IC) values and calculate pollutant load reductions for Brentwood BMPs.

Measures of Success: Pre and post IC estimates developed; pollutant load reductions calculated.

Deliverable 2: Documentation of IC and pollutant load reductions.

Task 2.1: Quantify IC and document pre and post installation IC values.

Task 2.2: Use IC values to assist in calculating pollutant load reduction estimates for project BMPs.

Task 2.3: Prepare IC and pollution load reduction estimate documentation and submit to State.

Objective 3: Develop a Site Specific Project Plan (SSPP) for Brentwood BMPs.

Measures of Success: SSPP is developed and approved.

Deliverable 3: Approved SSPP is submitted to State and is on file.

Task 3.1: Develop draft SSPP and submit to State for review and comment.

Task 3.2: Address DES comments; prepare and submit revised SSPP to State for approval.

Task 3.3: Once approved, obtain all signatures and submit final SSPP to State for file.

Objective 4: Prepare final documentation of Brentwood installations and project outcomes.

Measures of Success: BMP installations and project outcomes are documented.

Deliverable 4: BMP Design Summaries including installation photo-documentation are submitted to State.

Task 4.1: Develop BMP design summaries including plans, materials lists, photo-documentation.

Task 4.2: Submit final design summaries to State.

Objective 5: Develop Operation and Maintenance (O & M) Agreements for Brentwood BMP installations and obtain maintenance commitment from the town.

Measures of Success: Town signs O & M Agreement(s) for Brentwood BMP installations.

Deliverable 5: Copies of final, signed O & M agreements are submitted to State.

Task 5.1: Develop O & M Agreements for each installation and present to town for review.

Task 5.2: Finalize agreement and obtain signatures of commitment for O & M practices.

Task 5.3: Submit a copy of the final, signed O & M Agreement to State.

Objective 6: Fulfill Brentwood BMP project management and reporting requirements for U.S. EPA grant funds.

Measures of Success: Brentwood project deliverables are met, reports are submitted on time and according to grant requirements.

Deliverables: Semi-annual and final reports are submitted to State.

Task 6.1: Develop project schedules and timelines to assure deliverables are met.

Task 6.2: Electronic semi-annual reports are developed and submitted at the end of June and December for the project period. The semi-annual reports will include a Pollutants Controlled Report if structural BMPs have been implemented during the reporting period.

Task 6.3: Submit a comprehensive final report in both electronic and hard copy to State on or before the project completion date. The report shall include pollutant load reduction estimates, photo-documentation of installed BMPs, and comply with DES and EPA requirements found in the final report guidance on the State Watershed Assistance Section web page.

Objective 7: Develop plan for how to identify fertilizer application practices and monitor water quality for residential landscaped areas in Durham.

Measures of Success: A plan is developed for residential site assessment and water quality monitoring.

Deliverables: A fertilizer site assessment and water quality monitoring plan and schedule is developed and provided to State by 06/30/2016.

Task 7.1: Conduct literature review and plan fertilizer site assessment and monitoring.

Task 7.2: Develop draft plan for site assessment and monitoring; meet with DES and landscaping/turf maintenance professional to present and finalize plan and identify next steps; submit final plan to State.

Objective 8: Conduct and compare baseline fertilizer assessment and water quality monitoring for a residential area in Durham.

Measures of Success: Baseline nutrient loading per unit area is developed.

Deliverables: Participant commitment and documentation of baseline annual nutrient loading average per unit area for three different lawn care practices is provided to State by 06/30/2016.

Task 8.1: Identify three final fertilizer BMP site locations – one with no fertilizer application, one with fertilizer manufacturer recommended fertilizer application, and one with fertilizer application controls for water quality, and secure commitment of turf site participants, e.g. turf maintenance professional and property owner at the Durham residential locations.

Task 8.2: Conduct three fertilizer site assessments to identify and document typical lawn care practices and site parameters for the Durham residential sites (Turf Manual Site Assessment Form or other documentation will be used).

Task 8.3: Delineate drainage areas on the three selected sites and conduct outfall water quality monitoring to determine baseline loading.

Task 8.4: Review lawn care practice documentation and water quality data; develop baseline annual nutrient loading average and provide documentation to State.

Objective 9: Provide next steps for recommendations for potential lawn care BMPs.

Measures of Success: BMP next steps recommendations are developed.

Deliverables: Next steps for recommendations for implementing new lawn care BMPs are provided to State by 06/30/2016.

Task 9.1: Procure reflectance meter to measure turf response to lawn care practices.

Task 9.2: Meet with landscapers and turf site participants to review site assessment outcomes and if appropriate, identify steps to incorporate and/or recommend turf BMPs; and document potential turf BMPs for residential site(s).

Task 9.3: Meet with BMP participants to discuss potential BMPs.

Task 9.4: Continue water quality monitoring at outfall locations.

Task 9.5: Quantify and document any load reductions for existing conditions and any changes in turf management (if changes are implemented during the project period).

Objective 10: In coordination with the Town of Durham, install one Green Infrastructure (GI) BMP at a municipal property and document pollutant load reductions.

Measures of Success: An innovative GI BMP is installed and pollutant load reductions are documented.

Deliverables: BMP design summaries, installation of one GI BMP on a municipal property, O & M agreement, and pollutant load reduction estimates are provided to State by 06/30/2016.

Task 10.1: Using existing pollutant hot spot mapping results, identify suitable location for BMP installation and coordinate with the Town of Durham to plan installation.

Task 10.2: Conduct site assessment to aid in BMP design.

Task 10.3: Using site assessment results, develop final designs for BMP.

Task 10.4: Procure materials for BMP installation.

Task 10.5: Install BMP at the selected municipal location in Durham and provide construction oversight.

Task 10.6: Inspect and document Durham BMP installation; including photographs.

Task 10.7: Develop pollutant load reduction estimates and design summaries; submit both to State.

Task 10.8: Develop O & M agreement; obtain commitment from town for O & M practices.

Objective 11: Based on results of the Durham GI BMP installation, develop a template to promote project transferability to other communities by 06/30/2016.

Measures of Success: A template explaining key project components, process, costs, and benefits is developed to communicate project results and promote knowledge transfer.

Deliverables: A final project template for the Durham site is developed and submitted to State.

Task 11.1: Based on results from the Durham GI BMP installation, develop draft project template.

Task 11.2: Circulate template to Town of Durham, DES, and others for review and comment.

Task 11.3: Finalize template; make it available through web sites, blogs, and other outlets.

Task 11.4: Solicit feedback from template users to evaluate usefulness of the document.

Objective 12: Fulfill project management and reporting requirements for CZM grant funds.

Measures of Success: Durham project deliverables are met, reports are submitted on time and according to grant requirements.

Deliverables: Semi-annual and final reports are submitted to State.

Task 12.1: Develop project schedules and timelines to assure deliverables are met.

Task 12.2: Prepare and submit three (2) electronic semi-annual Progress Reports to NHCP in .pdf format.

The first progress report shall summarize project activity during the period from the start of the project through June 30, 2015 and is due by July 13, 2015. The second progress report shall summarize project activity during the period July 1, 2015 to December 31, 2015 and is due by January 11, 2016. These progress reports should be concise and should not exceed a couple of paragraphs.

Task 12.3: Prepare and submit a Final Report for CZM tasks to Dysr by July 15, 2016. An electronic copy of the Final Report shall be submitted in .pdf format. The report shall describe project activity, including pollutant load reduction estimates and photo-documentation of installed BMPs. The report should include a cover page with the logos of sponsoring agencies (NHDES, NHCP & NOAA) as well as the following funding credit language: "This project was funded, in part, by NOAA's Office for Coastal Management under the Coastal Zone Management Act in conjunction with the NH Department of Environmental Services Coastal Program."

D. Deliverables Schedule: Refer to section D above

F. **Budget and Invoicing Instructions:** Campus will submit invoices to State on regular Campus invoice forms accompanied by the reports for each task completed according to the schedule specified in Section D above. Each invoice will specify the agreed-upon total price for the completed task and shall document cumulative cost sharing through the end of the invoicing period. No expense detail will be required. State will pay campus within 30 days of receipt of each invoice and task completion report. Campus will submit its final invoice not later than 30 days after the Project Period end date.

Upon completion and DES approval of Tasks 1.1	\$1,387	(319)
Upon completion and DES approval of Task 1.2	\$5,161	(319)
Upon completion and DES approval of Task 1.3	\$8,216	(319)
Upon completion and DES approval of Tasks 1.4 & 1.5	\$4,218	(319)
Upon completion and DES approval of Task 1.6	\$1,565	(319)
Upon completion and DES approval of Task 1.7	\$6,055	(319)
Upon completion and DES approval of Task 1.8	\$9,839	(319)
Upon completion and DES approval of Tasks 1.9 & 1.10	\$4,932	(319)
Upon completion and DES approval of Task 1.11	\$1,625	(319)
Upon completion and DES approval of Task 1.12	\$6,355	(319)
Upon completion and DES approval of Task 1.13	\$12,992	(319)
Upon completion and DES approval of Tasks 1.14 & 1.15	\$5,173	(319)
Upon completion and DES approval of Tasks 2.1 - 2.3	\$1,643	(319)
Upon completion and DES approval of Tasks 3.1 - 3.3	\$943	(319)
Upon completion and DES approval of Tasks 4.1 & 4.2	\$1,293	(319)
Upon completion and DES approval of Tasks 5.1 - 5.3	\$1,193	(319)
Upon completion and DES approval of Task 6.1	\$1,000	(319)
Upon completion and DES approval of Task 6.2	\$2,000	(319)
Upon completion and DES approval of Task 6.3	\$5,410	(319)
Upon completion and DES approval of Task 7.1 & 7.2	\$1,532	(CZM)
Upon completion and DES approval of Tasks 8.1 & 8.2	\$1,151	(CZM)
Upon completion and DES approval of Tasks 8.3 & 8.4	\$7,994	(CZM)
Upon completion and DES approval of Task 9.1	\$1,041	(CZM)
Upon completion and DES approval of Task 9.2	\$1,141	(CZM)
Upon completion and DES approval of Tasks 9.3 & 9.4	\$577	(CZM)
Upon completion and DES approval of Task 9.5	\$1,641	(CZM)
Upon completion and DES approval of Tasks 10.1 & 10.2	\$2,482	(CZM)
Upon completion and DES approval of Task 10.3	\$9,641	(CZM)
Upon completion and DES approval of Task 10.4	\$11,141	(CZM)
Upon completion and DES approval of Tasks 10.5 - 10.7	\$2,735	(CZM)
Upon completion and DES approval of Task 10.8	\$1,391	(CZM)
Upon completion and DES approval of Tasks 11.1 & 11.2	\$4,282	(CZM)
Upon completion and DES approval of Tasks 11.3 & 11.4	\$1,141	(CZM)
Upon completion and DES approval of Task 12.1	\$500	(CZM)
Upon completion and DES approval of Task 12.2	\$500	(CZM)
Upon completion and DES approval of Task 12.3	\$1,110	(CZM)
Total	\$131,000	

EXHIBIT B

This Project Agreement is funded under a Grant/Contract/Cooperative Agreement to State from the Federal sponsor specified in Project Agreement article F. All applicable requirements, regulations, provisions, terms and conditions of this Federal Grant/Contract/Cooperative Agreement are hereby adopted in full force and effect to the relationship between State and Campus, except that wherever such requirements, regulations, provisions and terms and conditions differ for INSTITUTIONS OF HIGHER EDUCATION, the appropriate requirements should be substituted (e.g., OMB Circulars A-21 and A-110, rather than OMB Circulars A-87 and A-102). References to Contractor or Recipient in the Federal language will be taken to mean Campus; references to the Government or Federal Awarding Agency will be taken to mean Government/Federal Awarding Agency or State or both, as appropriate.

Special Federal provisions are listed here: None or

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**Attachment A
Budget Estimate**

Cost Categories	NOAA CZM	NPS Grant	Non- Federal Matching Funds	Totals
Salaries & Wages	\$25,262	\$46,915	\$3,191	\$75,368
Travel and Training	\$164	\$311	\$0	\$475
Contractual	\$0	\$0	\$38,006	\$38,006
Construction	\$21,871	\$30,500	\$53,660	\$106,031
Other (postage, printing)	\$2,703	\$3,274	\$9,167	\$15,144
Total Project Cost	\$50,000	\$81,000	\$104,024	\$235,024

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Attachment B: 2015 Watershed Assistance and Restoration Grant Ranking

Organization	Project Name	Review 1 Score	Review 2 Score	Review 3 Score	Review 4 Score	Review 5 Score	Review 6 Score	Review 7 Score	Review 8 Score	Review 9 Score	Review 10 Score	Review 11 Score	Review 12 Score	Review 13 Score	Review 14 Score	Review 15 Score	Review 16 Score	Review 17 Score	Review 18 Score	Review 19 Score	Review 20 Score	Review 21 Score	Review 22 Score	Review 23 Score	Review 24 Score	Review 25 Score	Review 26 Score	Review 27 Score	Review 28 Score	Review 29 Score	Review 30 Score	Review 31 Score	Review 32 Score	Review 33 Score	Review 34 Score	Review 35 Score	Review 36 Score	Review 37 Score	Review 38 Score	Review 39 Score	Review 40 Score	Review 41 Score	Review 42 Score	Review 43 Score	Review 44 Score	Review 45 Score	Review 46 Score	Review 47 Score	Review 48 Score	Review 49 Score	Review 50 Score	Review 51 Score	Review 52 Score	Review 53 Score	Review 54 Score	Review 55 Score	Review 56 Score	Review 57 Score	Review 58 Score	Review 59 Score	Review 60 Score	Review 61 Score	Review 62 Score	Review 63 Score	Review 64 Score	Review 65 Score	Review 66 Score	Review 67 Score	Review 68 Score	Review 69 Score	Review 70 Score	Review 71 Score	Review 72 Score	Review 73 Score	Review 74 Score	Review 75 Score	Review 76 Score	Review 77 Score	Review 78 Score	Review 79 Score	Review 80 Score	Review 81 Score	Review 82 Score	Review 83 Score	Review 84 Score	Review 85 Score	Review 86 Score	Review 87 Score	Review 88 Score	Review 89 Score	Review 90 Score	Review 91 Score	Review 92 Score	Review 93 Score	Review 94 Score	Review 95 Score	Review 96 Score	Review 97 Score	Review 98 Score	Review 99 Score	Review 100 Score	Review 101 Score	Review 102 Score	Review 103 Score	Review 104 Score	Review 105 Score	Review 106 Score	Review 107 Score	Review 108 Score	Review 109 Score	Review 110 Score	Review 111 Score	Review 112 Score	Review 113 Score	Review 114 Score	Review 115 Score	Review 116 Score	Review 117 Score	Review 118 Score	Review 119 Score	Review 120 Score	Review 121 Score	Review 122 Score	Review 123 Score	Review 124 Score	Review 125 Score	Review 126 Score	Review 127 Score	Review 128 Score	Review 129 Score	Review 130 Score	Review 131 Score	Review 132 Score	Review 133 Score	Review 134 Score	Review 135 Score	Review 136 Score	Review 137 Score	Review 138 Score	Review 139 Score	Review 140 Score	Review 141 Score	Review 142 Score	Review 143 Score	Review 144 Score	Review 145 Score	Review 146 Score	Review 147 Score	Review 148 Score	Review 149 Score	Review 150 Score	Review 151 Score	Review 152 Score	Review 153 Score	Review 154 Score	Review 155 Score	Review 156 Score	Review 157 Score	Review 158 Score	Review 159 Score	Review 160 Score	Review 161 Score	Review 162 Score	Review 163 Score	Review 164 Score	Review 165 Score	Review 166 Score	Review 167 Score	Review 168 Score	Review 169 Score	Review 170 Score	Review 171 Score	Review 172 Score	Review 173 Score	Review 174 Score	Review 175 Score	Review 176 Score	Review 177 Score	Review 178 Score	Review 179 Score	Review 180 Score	Review 181 Score	Review 182 Score	Review 183 Score	Review 184 Score	Review 185 Score	Review 186 Score	Review 187 Score	Review 188 Score	Review 189 Score	Review 190 Score	Review 191 Score	Review 192 Score	Review 193 Score	Review 194 Score	Review 195 Score	Review 196 Score	Review 197 Score	Review 198 Score	Review 199 Score	Review 200 Score
Town of Exeter	Exeter River Restoration Implementation of the Great Dam Removal Project	130	123	116	134	134	131	131	128.00	1																																																																																																																																																																																															
Town of Pys	Implementation of Parsons Creek Watershed Restoration Plan - Phase 2	127	130	119	120	120	88	118.83	2																																																																																																																																																																																																
Town of Wolfboro	Rust Pond Watershed Restoration Plan Implementation Phase 2: Sites 1, 3, and 4. Stormwater BMPs	123	126	99	109	128	121	117.67	3																																																																																																																																																																																																
City of Laconia	Meredith Panguis and Saunders Bay Implementation Project - Phase 1: Weirs Research	114	123	106	117	125	120	117.50	4																																																																																																																																																																																																
Babcock Lake Association	Babcock Lake Watershed Management Plan Implementation Phase 3: Stormwater Improvements at Site #14, Carter Road	124	126	108	117	96	123	115.17	5																																																																																																																																																																																																
UNH	Great Bay Nihongi NPS Study Implementation Phase 1: Sagamore-Hampton Golf Club BMPs	113	125	110	123	85	110	111.00	6																																																																																																																																																																																																
UNH Stormwater Center	Great Bay Estuary Municipal Block/Leach Education, Resource Development and Implementation Phase II	115	108	106	117	133	85	110.67	7																																																																																																																																																																																																
Green Mountain Conservation Group	Cassippee Lake Watershed Management Plan Phase 2: A Watershed Plan for the Cassippee Lake Shoreline and Lower River Watersheds	112	113	116	103	105	100	108.17	8																																																																																																																																																																																																
Acton Watershed Watersheds Alliance	Providence Lake Watershed Management Plan Implementation Phase 1: Addressing High Priority Actions and Building Local Capacity	119	122	119	121	115	107	117.17	9																																																																																																																																																																																																
Cobbetts Pond Improvement Association	Cobbetts Pond Restoration Plan Implementation III - Summer Spill Area	102	123	118	112	117	117	114.63	10																																																																																																																																																																																																
New Hampshire Rivers Council	McQuesten Brook Geomorphic and Watershed Restoration Plan Phase 4 Stream Crossing Removal and Replacement and Construction	111	112	112	121	n/a	117	114.60	11																																																																																																																																																																																																
Southwest Regional Planning Commission	Lake Wason Watershed Management Plan Development and Implementation Phase 1	88	100	98	90	64	101	90.17	12																																																																																																																																																																																																
City of Rochester	Stormwater Management and Assessment Opportunities for the Willow Brook Watershed Implementation - Stormwater Improvements for the Western/Adams Neighborhood	96	112	91	112	116	94	103.83	13																																																																																																																																																																																																
Wassie Pond Protective Association	Wassie Pond Watershed-based Implementation Plan	68	84	91	72	77	69	76.50	14																																																																																																																																																																																																
Town of Northumberland	Northumberland Cemetery Connecticut River Bank Stabilization	77	84	87	83	103	75	74.85	Not selected																																																																																																																																																																																																
Town of Hampton	Miss Brook and Meadow Pond Restoration Project Phase II - Final Design and Permitting	87	67	80	46	82	54	69.33	Not selected																																																																																																																																																																																																
ENH&R Conservation Commission	Crystal Lake Watershed Management Plan Development	24	38	30	85	19	52	35.67	Not selected																																																																																																																																																																																																
Laconia Conservation Commission	Black Brook Water Quality Improvements at Paugus Bay	35	35	48	32	10	38	33.00	Not selected																																																																																																																																																																																																
Geosyntec Consultants/Elal	Watershed Integration for the Squamscott-Exeter (WSE) Implementation Phase II: Design, Feasibility and Outreach in the Watershed	112	107	114	109	121	101	110.67	Ineligible for funding under \$319																																																																																																																																																																																																
UNH Stormwater Center	Great Bay Waterbody/Watershed Nitrogen NPS Study Implementation Phase 2 UNH BMPs to Reduce Nitrogen	121	112	104	113	131	103	114.00	Withdrawn by applicant																																																																																																																																																																																																

Review Team Members

Name	Qualifications
Steve Lantz	18 years experience, Watershed Conservation, aquatic biology, project management, Madamist watershed expertise
Jeff Marcou	11 years experience, Watershed Assistance Specialist, grant and contract expertise
Barbara McMillin	12 years watershed Assistance Outreach Coordinator, outreach and education expertise
Eshy Soyle	13 years experience, Coastal Watershed Coordinator, project management, Coastal watershed expertise
Wendy Wacker	20+ years experience, Watershed Coordinator, budgeting, planning expertise
Eric Wilkins	23 years experience, Watershed Assistance Section Supervisor, environmental permit, general project management expertise, WAS Section and 319 program supervisor.