



# State of New Hampshire

DEPARTMENT OF SAFETY  
OFFICE OF THE COMMISSIONER  
33 HAZEN DR. CONCORD, NH 03305  
603/271-2791

JOHN J. BARTHELMES  
COMMISSIONER

July 30, 2018

His Excellency, Governor Christopher T. Sununu  
and the Honorable Council  
State House  
Concord, New Hampshire 03301

## Requested Action

Pursuant to RSA 21-P:43, the Department of Safety, Division of Homeland Security and Emergency Management (HSEM) requests authorization to enter into a Memorandum of Agreement with the Department of Environmental Services (DES) (VC# 177894-B001) to fund a full-time Resiliency and Adaptation Manager to support New Hampshire's response to the impact of climate change for a total amount of \$100,000.00. Effective upon Governor and Council approval through September 30, 2019. Funding source: 100% Federal Funds.

Funding is available in the SFY 2019 operating budget as follows:

02-23-23-236010-80920000	Dept. of Safety	Homeland Sec-Emer Mgmt	100% EMPG Local Match
072-500576	Grants to Other State Agencies - Federal		
Activity Code: 23EMPG 2017			\$100,000.00

## Explanation

The purpose of this Memorandum of Agreement (MOA) is to provide funding to DES for a full-time Resiliency and Adaptation Manager. This position will ensure that New Hampshire's response to the impacts of climate change, including increases in precipitation and associated flooding events that the State is already experiencing, are coordinated across State government. This position will also ensure that all State agencies and government programs seek to reduce Green House Gas (GHG) emissions by considering the impact of their actions and decisions on GHG emissions. Through such efforts, the State can maximize use of limited resources, improve resiliency of State-owned infrastructure, and help NH communities and citizens do the same.

The MOA listed above is funded from the FFY 2017 Emergency Management Performance Grant (EMPG), which was awarded to the Department of Safety, Division of Homeland Security and Emergency Management (HSEM) from the Federal Emergency Management Agency (FEMA). The grant funds are to be used to measurably improve all-hazard planning and preparedness capabilities/activities, to include mitigation, preparedness, response, and recovery initiatives at the state and local level. Grant guidance and applications are available to all Emergency Management Directors and other qualified organizations in the State. Subrecipients submit applications to this office, which are reviewed by the HSEM Planning Chief, Assistant Planning Chief and Field Representatives and approved by the HSEM Director. The criteria for approval are based on grant eligibility in accordance with the grant's current guidance and the documented needs of the local jurisdictions.

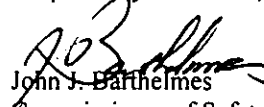
EMPG is 50% federally funded by FEMA with a 50% match requirement supplied by the subrecipient. The subrecipient acknowledges their match obligation as part of Exhibit B to the grant agreement.

In the event that Federal Funds are no longer available, General Funds and/or Highway Funds will not be requested to support this program.

Respectfully submitted,

  
Robert R. Scott  
Commissioner of Environmental Services

Respectfully submitted,

  
John J. Barthelmes  
Commissioner of Safety

**MEMORANDUM OF AGREEMENT (MOA)  
BETWEEN  
NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES  
AND  
THE NEW HAMPSHIRE DEPARTMENT OF SAFETY**

**FFY '17 Emergency Management Performance Grant**

*CFDA #97.042*

**Resiliency and Adaptation Manager (Administrator II, LG29)**

**I. PURPOSE**

The purpose of this Memorandum of Agreement (MOA) is to provide funding in the amount of \$100,000.00 from the New Hampshire Department of Safety, Division of Homeland Security and Emergency Management to the New Hampshire Department of Environmental Services to fund a full-time Resiliency and Adaptation Manager (Administrator II, LG29) to support New Hampshire's response to the impacts of climate change.

**II. PARTIES**

The parties to this agreement are New Hampshire Department of Environmental Services (hereinafter DES) and the Division of Homeland Security and Emergency Management (hereinafter HSEM).

**III. AUTHORITY**

The Emergency Management Performance Grant (EMPG), awarded by HSEM, supports activities associated with all-hazard planning and preparedness capabilities and activities, to include mitigation, preparedness, response, and recovery initiatives.

**IV. SCOPE OF WORK**

The New Hampshire Department of Environmental Services (NHDES) proposes to continue serving as the coordinating agency for the State Environmental Resiliency Group (SERG). NHDES will continue to support the efforts within and by the State to prepare for the current and future impacts of climate change; and, further, to reduce the greenhouse gas (GHG) emissions that cause climate change in order to meet the State's climate goals. To succeed in these efforts, the actions of the State must be coordinated at all levels and across all agencies and departments. In recognition of the fact that preparedness is a very local issue, NH state agencies must also work with municipal decision makers to assess local risks and ensure a coordinated response to the impacts of climate change, such as more intense and more frequent storms, that are already occurring. NH must also work in concert with other states, the federal government, and international partners to successfully reduce global emissions of GHGs and ensure resiliency planning is coordinated with neighboring states and provinces. Through SERG and other efforts NHDES will help to ensure the continued coordination and communication within state government and between the state and local governments and organizations occurs.

The objective of the proposed project is to ensure that New Hampshire's response to the impacts of climate change, including increases in extreme precipitation, associated flooding events, drought, and rising sea levels, which we are already experiencing, are coordinated across state government. This will include auditing existing administrative rules and policies; and to ensure that all state agencies and government programs seek to reduce GHG emissions by considering the impact of their actions and decisions, including the impact of existing and proposed administrative rules, on GHG emissions. Through such efforts the state can maximize the use of limited resources, improve resiliency of state-owned infrastructure, and help NH communities and citizens do the same.

The following scope of work will be conducted by the Resiliency and Adaptation Manager during this project period:

- Continue to support HSEM and implement actions within the State Hazard Mitigation Plan.
- Provide presentations and seek out additional resilience based presentations for the annual Emergency Preparedness Conference. Provide outreach and education about resiliency initiatives in NH throughout the state and region.
- Provide leadership for the State Environmental Resiliency Group (previously initiated by NHDES) to ensure efforts to respond to the impacts and reduce the causes of climate change are coordinated across state government.
- Support state agencies in implementing necessary amendments to their statutes, rules and policies resulting from the audits conducted as required by Senate Bill 452 (2016) and track compliance with the statutory requirements.
- Starting in October 2018, serve as a member of the Science and Technical Advisory Panel Steering Committee (established by Senate Bill 374 in 2016) in the update of storm surge, sea-level rise, precipitation, and other relevant projections recommended in the New Hampshire Coastal Risk and Hazards Commission's 2016 report "Preparing New Hampshire for Projected Storm Surge, Sea-Level Rise, and Extreme Precipitation".
- Serve on the Resilience Steering Committee for the City of Nashua's Resilience Initiative. Supported by the Federal Emergency Management Agency, the National Institute of Standards and Technology, and the Environmental Protection Agency, Nashua is seeking to tightly tie their resilience planning efforts to the update of their Hazard Mitigation Plan. Nashua was one of seven awardees of the National League of Cities Community Resilience Program. This work will help to inform other efforts in communities across the State.
- Continue to serve on the NH State Transportation Climate Workgroup being spearheaded by the University of New Hampshire (UNH) Civil Engineering

Department researching flooding and groundwater rise impacts to coastal road infrastructure, including evacuation routes.

- Coordinate with the NHDES Waste Water Engineering Bureau (WWEB) to utilize our State Revolving Loan Funds (SRF) for municipal resiliency projects. The WWEB is interested in better coordinating with HSEM's public assistance funding to build resiliency into recovery after presidentially declared disasters and utilizing the SRF for the required match.
- Coordinate with researchers at UNH, Dartmouth, and other higher education institutions to ensure their resilience-related research is communicated to municipal decision makers and the public in an understandable and actionable manner.
- Coordinate state agency collaboration with state and regional partners in the selection, development, and management of climate data needed to prepare for current and future climate change impacts.
- Coordinate local, state and regional efforts to ensure New Hampshire communities, agencies, and businesses are informed of projected impacts of climate change and are conducting necessary vulnerability assessments and resilience planning.
- Foster the robust use of Hazard Mitigation Planning, both at the state and local level, to ensure on-going preparedness planning.
- Coordinate information transfer among and between state agencies and federal partners to share lessons learned in effective preparedness actions.
- Identify appropriate state staff to represent NH on state, regional, federal and international groups addressing resiliency and preparedness issues to ensure state participation, while eliminating duplication of effort between and among agencies.
- Coordinate development of outreach and education materials and facilitate inter-agency sharing of those materials to ensure consistent messaging relative to the causes and impacts of climate change. Continue to participate in outreach events focused on hazardous materials management planning and preparedness.

Please see Attachment A enclosed in this MOA for the scope of work to be conducted by DES staff to support the Resiliency and Adaptation Manager.

HSEM agrees to provide financial assistance to DES in support of the tasks listed above, in accordance with Section V. The financial assistance to be provided by HSEM under this MOA requires a contribution of 50% of the total amount in matching funds from DES. The match requirement of \$100,000.00 will be met by salary and benefits costs for non-federally funded DES staff that will be supporting this effort.

DES shall maintain financial records, supporting documents, and all other pertinent records for a period of three (3) years. In these records, DES shall maintain documentation of the 50% cost share required by this grant and agreed upon by DES.

**V. FUNDING**

Upon approval of this MOA, HSEM shall reimburse up to \$100,000.00 to DES after the project is complete and upon receiving appropriate documentation of expended funds from DES. Supporting documentation shall show proof of cost and proof of payment (in the amount of \$100,000.00). DES agrees to document \$100,000.00 in matching expenditures.

**VI. TERMINATION**

Either party may terminate this agreement by providing notice to the other party thirty (30) days prior to termination.

**VII. DURATION**

This agreement shall continue in effect from the date of Governor and Council approval until September 30, 2019, unless terminated earlier by either party.

**VIII. AGREEMENT**

In WITNESS THEREOF, the parties hereto have executed this agreement, which shall become effective on the date the Governor and Executive Council of the State of New Hampshire approve the agreement.

**NH Department of Environmental Services**

  
\_\_\_\_\_  
Robert Scott, Commissioner

8-14-18  
\_\_\_\_\_  
Date

**NH Department of Safety**

  
\_\_\_\_\_  
John J. Barthelmes, Commissioner

8/14/18  
\_\_\_\_\_  
Date

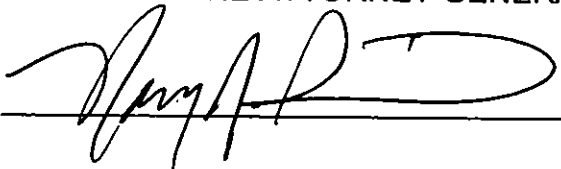
**NH Department of Safety, HSEM**

  
\_\_\_\_\_  
Perry E. Plummer, Director

8/6/2018  
\_\_\_\_\_  
Date

Approved by the Attorney General this 17th day of August, 2018, as to form, execution and substance.

OFFICE OF THE ATTORNEY GENERAL

  
\_\_\_\_\_

**MEMORANDUM OF AGREEMENT (MOA)  
BETWEEN  
NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES  
AND  
THE NEW HAMPSHIRE DEPARTMENT OF SAFETY**

**FFY '17 Emergency Management Performance Grant**

**Resiliency and Adaptation Manager**

**ATTACHMENT A**

As part of this project, New Hampshire Department of Environmental Services staff (a list of positions is included at the end of this attachment) will support the work of the Resiliency and Adaptation Manager as follows:

- Work with all state agencies and departments to support evaluation of controlling statutes, rules, and policies to determine if, and ensure that, they are structured to encourage or require energy efficiency measures to reduce GHG emissions. Such evaluation should include documentation of any barriers to implementation of effective energy efficiency measures at the state and local level and a course of action to address those barriers.
- Coordinate efforts among state agencies to encourage NH residents, businesses, municipalities, and industrial entities to invest in energy efficiency and renewable energy to reduce GHG emissions.
- Assist with the organization of the State Environmental Resilience Group, including meeting organization, recruiting guest speakers, and compiling notes from meetings, and reporting results from meetings to the Commissioner's group.
- Promote and assist collaboration between state agencies in their efforts to support resiliency efforts across the state.
- Serve on planning committees with federal partners to engage both state and federal agencies in mitigation and adaptation discussions and New England-wide efforts in these arenas.
- Support state agencies in the implementation of Senate Bill 452 (2016) regarding the evaluation of all rules, policies, and statutes by developing a methodology for such evaluation and providing technical assistance in the evaluation process. NHDES staff time is critical in the up-front planning of this process as other state agencies do not have the dedicated staff or funding to accomplish this comprehensive assessment.
- Compile a list of barriers or other issues that need to be addressed to enable state agencies to make the necessary changes to such rules, policies, and statutes.
- Dedicate time to support coastal and other communities in evaluating and coordinating evacuation routes. Currently, the seven coastal communities' evacuation routes, set up specifically for the Seabrook Nuclear Power Plant, are projected to be inundated with both fresh water from rain events, and sea water from storm surge and sea level rise. This is a top priority for coastal communities. NHDES staff will work with the local communities, regional planning

commissions, and New Hampshire Department of Transportation to ensure a coordinated and comprehensive planning for safe evacuation of our coastal residents from storm events and potential issues with the power plant.

- Represent New Hampshire in regional initiatives to coordinate resiliency efforts. These regional initiatives are important opportunities to share lessons learned with other states/provinces and our federal partners. Regional coordination has been initiated by entities including the Federal Emergency Management Agency, Environmental Protection Agency, and the New England Governor's and Eastern Canadian Premiers.
- Collaborate with the energy, environment, and transportation agencies in the mid-Atlantic and Northeast states in the development and implementation of policies and programs aimed at reducing GHG from the transportation sector and ensuring the resilience of existing and future transportation infrastructure.
- Support and seek funding for the development of vulnerability assessments for state agencies and inland communities (coastal communities already have completed vulnerability assessments; funding from FEMA/HSEM supported the development of these assessments). Through the use of recently flown LiDAR data, communities will have more accurate information to understand vulnerabilities specific to flooding. Detailed vulnerability assessments can be used to inform and support robust Hazard Mitigation Planning at the municipal and state level. The results of vulnerability assessments can be included in all municipal and state Hazard Mitigation Plans.
- Support the creation of educational information to ensure clear and concise messaging about climate change causes and impacts. These materials will assist municipalities in gaining support from their voting public on the implementation of resiliency and preparedness actions necessary in each community.
- Coordinate with NH Department of Health and Human Services to assist them in their regional collaboration efforts. DHHS has gathered important information on health impacts from prolonged heat events, Lyme disease, and other vector borne disease. Outreach and education about these new data and suggested actions is necessary state-wide.
- Utilize our position on the Transportation Advisory Committees for NH's four metropolitan planning organizations and our relationship with all nine regional planning commissions to promote inclusion of resiliency and preparedness philosophy in the transportation planning process.
- Utilize our status as an "intervenor" in the electric and gas utility energy efficiency programs, including the forthcoming Energy Efficiency Resource Standard, to ensure resiliency and preparedness principles are included in implementation of energy efficiency programs.
- Provide on-going outreach and education on the topic of climate change, its causes and impacts, and the need for resiliency to other state agencies, regional planning commissions, hospital organizations, municipalities, educational institutions and other NH organizations.
- Utilize our role as the coordinator of the Granite State Clean Cities Coalition, a public-private partnership of over 120 stakeholders that is aimed at reducing petroleum use in the transportation sector, to ensure planning for infrastructure to

support advanced technology vehicles, such as electric vehicles, take into account the impacts of a changing climate.

- Incorporate resiliency and preparedness in discussions with our regulated sources during permitting discussions and other venues.
- Track and provide testimony on legislation that impacts the ability of the state to prepare for and respond to the impacts of climate change.

NHDES positions that will support these actions include:

Assistant Director, NHDES Air Resources Division

Technical Services Bureau Administrator, NHDES Air Resources Division

Climate and Energy Programs Manager, NHDES Air Resources Division

Mobile Sources Section Supervisor, NHDES Air Resources Division

Granite State Clean Cities Coordinator, NHDES Air Resources Division