

Application for Assistance under the Coastal Zone Management Act

New Jersey CZM

EIN/TIN/DUNS Number: 607415197

October 2014 to March 2016

Applicant:

Division of Coastal and Land Use Planning

NJ Department of Environmental Protection

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#New Jersey CZM: AwardNWJCZM2014 10/1/2014 to 3/31/2016

Grant Introduction

The NJ Department of Environmental Protection (NJDEP), Division of Coastal and Land Use Planning (DCLUP), is submitting a new grant application to NOAA. This grant application seeks \$2,486,000 in federal funding to continue implementation of New Jersey's Coastal Management Program (NJCMP), including base program implementation (Section 306) and the Section 309 Coastal Enhancement Program. The application covers implementation of grant tasks over an 18-month period beginning October 1, 2014 and ending March 31, 2016. NJDEP is proposing to match the federal grant award (1:1) for Section 306 (\$1,992,000) with State funds. This Grant Application details the proposed expenditures of federal funds and matching State funds per task.

The Grant Application is broken down into three major sections: 306-Program Administration; 306-Program Implementation; and 309 Coastal Enhancement Program.

Section 306-Program Administration. Program Administration of the Section 306 Base Program of the NJCMP includes the grant management and application preparation for Sections 306 and 309. Grant Management includes the tasks of preparation of performance and financial reports; the tracking of performance indicators, including the National Performance Measurement System and Section 312 Evaluation Metrics. There will also be significant effort put into the update of the Section 309 Assessment & Strategy consistent with NOAA requirements. Program Administration of the Section 306 Base Program of the NJCMP also includes coordination of the NJCMP's networked programs, including the Division of Land Use Regulation (DLUR), the Bureau of Coastal Land Use and Enforcement (BCLUE), the Office of Policy Implementation (within Land Use Management) and other agency partners. There is also extensive coordination and cooperation with both Intra- and Inter-State partners including the Barnegat Bay and National Estuary Programs, the Jacques Cousteau National Estuarine Research Reserve JCNERR, NOAA, and the Mid-Atlantic Regional Council on the Ocean (MARCO). Finally, Program Administration of the Section 306 Base Program of the NJCMP also includes an education and outreach program.

Section 306-Program Implementation. Program Implementation of the Section 306 Base Program of the NJCMP includes Policy Refinements tasks, that include the policy guidance to other NJDEP networked programs and state agencies on coastal issues, and routine program changes to update and improve the NJCMP. These tasks also include work such as regulatory updates and an update to the CZM Program Guidance, where more significant effort is being placed in response to Superstorm Sandy. Program Administration of the Section 306 Base Program of the NJCMP also includes individual Coastal Planning efforts.

NJDEP continues to implement the Municipal Public Access Planning program, including the utilization of CZM Award funds to provide for a grant program to incentive development of municipal plans. Coastal Permitting remains as the core of NJ's CMP. Coastal Permitting includes the implementation of multiple statutes including the Coastal Area Facility Review Act, Coastal Wetlands Act of 1970, the Waterfront Development Law, and the Freshwater Wetlands Protection Act, which are enforceable policies under the NJCMP.

Section 309. The 309 Coastal Enhancement Grant Program (Section 309) will focus on tasks and issues identified as a result of NJ's Section 309 Assessment and Strategy (approved by NOAA April 2011, updated 2013). During this grant year, the NJCMP will continue implementation of activities identified in the 2011-2015 309 Assessment and Strategy.

Program Information - Section 306

Task: Grant Management & Reporting

Task ID: 306-1

Applicant ID: 306-1

Timeframe: October 2014 through March 2016

The development of each year's grant application, administration of grant award requirements, preparation of performance reports, contract preparation and administration, personnel administration, and budget oversight require the coordination between four assistant commissioners within the NJDEP and with OCRM, NOAA.

Task Outcomes

1. Performance and Financial Reports

Performance and Financial Reports will be submitted on a bi-annual basis in accordance with the latest Performance Report Guidelines issued by NOAA/OCRM. Performance and Financial Reports will respond to all tasks outlined and approved in this grant application.

Outcome End Date: March 2016

2. Section B Report

NJDEP's Land Use Management administers the coastal permitting programs and the issuance of Federal Consistency Determinations pursuant to Section 307 of the CZMA. DCLUP will work with DLUR and NJDEP's Office of Dredging and Sediment Technology (ODST) to prepare the Section B Report as it pertains to coastal permit and federal consistency decisions including the summary of activities and permit decisions that relate to Federal Consistency; and the Office of Policy Implementation as their activities result in changes to enforceable policies.

Deliverable: The Section B Reports are submitted with the semi-annual performance reports.

Outcome End Date: March 2016

3. Track Performance Indicators

National Performance Measurement System

The CZMA Performance Measurement System tracks environmental and socio-economic factors that influence the condition of coastal areas.

NOAA has established a suite of performance measures to assess how well programs are achieving the objectives of the CZMA in six categories: Government Coordination and Decision Making, Public Access, Coastal Habitat, Coastal Water Quality, Coastal Hazards, and Coastal Dependent Uses and Community Development. The performance measures are to be tracked on a semi-annual or annual basis and will be reported directly to NOAA and through the semi-annual performance reports.

Deliverables:

- DCLUP will collect the data and submit state reports to NOAA on the six indicator issues, contextual and financial measures.
- Performance/Indicator Reports will be submitted in accordance with the required NOAA submittal schedule:
- Measures #1-#17 will be reported annually and are due to OCRM at the end of each October.
- Measures #18-#22 will be reported every 5 years and are due to OCRM at the same time as the revisions to the Section 309 Assessment & Strategy.

Implementation and Tracking of Section 312 Evaluation Metrics

During the Year 32 grant award period, the CMP submitted, and received approval of, a set of metrics in each of three issue areas. These metrics will be tracked over the next five years, with annual targets identified for each, with completion in 2017. These metrics are as follows:

- Metric 1 – Public Access Planning
- Metric 2 – Outreach and Education
- Metric 3 – Sustainable Coastal Communities

Deliverables: A summary report of activities on an annual basis (year-end semi-annual performance report).

Outcome End Date: March 2016

4. Section 309 Assessment & Strategy Update

Every five years, states are encouraged to conduct a self-assessment of their CMPs to determine the extent to which problems and opportunities exist to enhance their programs within each of the nine enhancement areas and assess the effectiveness of existing management efforts to address identified problems. Through the self-assessments, CMPs identify priority management issues as well as important needs and information gaps the program has for addressing these issues. The NJCMP made modifications to our current 309 Assessment and Strategy based on Superstorm Sandy, a significant event that forced the NJCMP to reevaluate some program priorities. This mid cycle modification led to the addition of new 309 strategy priorities in secondary and cumulative impacts and coastal hazards.

The NJCMP will begin developing its assessment and strategies for the 2016-2020 Assessment and Strategy cycle on October 1, 2014. During the 34th year grant, the NJCMP will engage NJ interested parties through a stakeholder process.

The NJCMP will complete both the Phase I 309 Assessment and Strategy Development process as outlined in the NOAA 2016-2020 Enhancement Cycle 309 program guidance, and with stakeholder and OCRM input, will rank the enhancement areas high, medium, or low priority for NJ. For enhancement areas ranked as high priority, a phase II or in-depth assessment and strategy will be completed.

Deliverable:

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|--|--------------|
| 1. Draft Assessment and Strategy submitted to NOAA | May 1, 2015 |
| 2. Final Assessment and Strategy submitted to NOAA | Sept 1, 2015 |

Outcome End Date: November 2015

5. NJ Resilient Coastal Communities Initiative CREST Grant

NJ has been awarded a NOAA CRest (Coastal Resilience Networks) Grant to implement a Resilient Coastal Communities Initiative. This grant partners the CMP with existing coastal partners to provide coastal communities with the tools, guidance, and technical and planning support to make them more resilient to coastal hazards. NJCMP staff is acting as the Project Manager/Principal Investigator for this grant, as well as providing significant in-kind resources through staff time. The grant period is from June 1, 2014 to May 31, 2016, beginning and ending outside the timeframe the Year 34 Grant.

Deliverable: A summary of actions will be provided with semi-annual performance reports. The CRest Grant reporting requirements are much more extensive.

Outcome End Date: March 2016

Task Funding

Federal:	\$15,893
Non-Federal:	\$23,527
Total:	\$39,420

Task: Program Management & Coordination

Task ID: 306-2

Applicant ID: 306-2

Timeframe: October 2014 through March 2016

This task requires the coordination of activities within NJDEP, with NOAA, and with both Intra- and Inter-State agencies with program responsibilities in New Jersey's coastal area. The primary responsibility for this coordination task is with the DCLUP. The appointment of the position of Coastal Program Manager is pending a NJDEP senior management re-organization.

The major program areas to be coordinated within the NJDEP include the Office Management and Budget and Finance under the Director for Budget and Finance Assistant Commissioner for Management and Budget; the DCLUP, the Land Use Management Rule Coordination Unit, and DLUR, all under the Assistant Commissioner for Land Use Management; the Coastal Enforcement Program (Bureau of Coastal and Land Use Enforcement) under the direction of the Assistant Commissioner for Enforcement; and, the natural resource programs including the Green Acres Program, the Divisions of Parks and Forestry, and Fish and Wildlife, and the Shore Protection Program under the Assistant Commissioner for Natural and Historic Resources.

Task Outcomes

1. Administration of NJ Coastal Management Program

General administration of the NJCMP refers to the day-to-day oversight of activities that take place to effectively coordinate NJ's networked program. This outcome addresses administrative responsibilities including correspondence, communication, project delegation/management/oversight, internal coordination, meetings, 'housekeeping' responsibilities, personnel oversight, and general program management.

Outcome End Date: March 2016

2. Program Coordination

Quarterly Coastal Management Networking Meetings

In response to the 2007 NOAA 312 Evaluation Program suggestion, quarterly meetings are held between DCLUP, DLUR, and BCLUE to ensure that NJ's Coastal Zone Management rules and priorities are implemented and addressed through a more coordinated and comprehensive approach. The purpose of these meetings is to coordinate activities pertaining to proposed rule amendments and adoptions, and scheduling and the setting of program priorities. This action will serve to heighten the coordination activities between these programs. As issues are identified, additional representatives from other networked programs will be asked to participate in the meetings.

Other Program Coordination

Coordination with other programs and state agencies, most notably, the Division of Parks and Forestry; the Green Acres Program; the Division of Fish and Wildlife; Water Resource Management; the NJ State Police/State Emergency Management Administrator, and the Office of the Attorney General will continue on issues including:

- Permit application review;
- Coordination of non-point source pollution management;
- Stormwater management;
- Coastal area land acquisition priorities;
- Public access;
- Coastal Hazards;
- Promotion of coastal program objectives.

Outcome End Date: March 2016

3. Intra-State Coordination

Coastal and Estuarine Land Conservation Program (CELCP)

DCLUP will continue to prioritize candidate sites that would qualify for competitive funds made available through CELCP; implement the NJ CELCP; maintain an inventory of acquisition sites acquired with CELCP and related funds; and, identify opportunities to promote coastal land acquisition. DCLUP will utilize data gathered through its section 309 initiatives to promote the acquisition of suitable open space for adaptation, wetlands migration, natural resource protection, and to buffer the impacts of coastal hazards.

If funding is appropriated, DCLUP/NJDEP anticipates proposing projects under a FFY14 CELCP Funding Competition as funding become available. In the absence of federal funding, DCLUP will work with partners to promote and enhance this program and continue to coordinate with the JCNERR, land trusts, and the Green Acres Program to identify projects that may compete for CELCP funding (when available).

Deliverables: Summary update and reports regarding the NJ CELCP will be provided in semi-annual Performance Reports.

Coordination with EPA - National Estuary Program (NEP)

Representatives from NJDEP will continue to participate, coordinate, and develop joint initiatives to advance coastal zone and estuary health, with the Barneqat Bay, NY/NJ Harbor, and the

Delaware estuary programs .

Deliverables: A summary of actions will be provided with semi-annual performance reports.

Hudson River Waterfront Walkway

DCLUP will continue to work with applicable municipalities, counties, and non-governmental organizations to ensure continued access to, and maintenance and reconstruction of, the Walkway.

DCLUP will coordinate with the NJ Department of the Treasury and the Federal Highway Administration (ARRA award) regarding the contract for the construction of the Hudson River Walkway from Veteran's Park to Clermont Cove. Due to contaminants in the soil at Veterans Park in Edgewater, the construction of this segment of the Walkway has been delayed. However, Veterans Park was scheduled to reopen the summer of 2014. It is anticipated that the Walkway will be completed shortly thereafter.

Deliverables: Status updates will be submitted with semi-annual reports.

NJ Meadowlands Commission

NJDEP will continue to work with the NJ Meadowlands Commission and coordinate with NOAA toward the preparation of amendments to the Commission's Master Plan and zoning ordinances, and any Routine Program Change requests.

Deliverables: Status updates will be submitted with semi-annual performance reports.

Coordination with NJ Coastal Partners

DCLUP will coordinate with its Coastal Partners including JCNERR, Rutgers University, the NJ Sea Grant Consortium (NJSGC), Monmouth University-Urban Coast Institute, and Stevens Institute. Attendance at various state, regional and national meetings is required to represent the NJCMP on coastal issues. These meetings also serve as a mechanism to network with other coastal programs on emerging issues and to advance programs that are being implemented nationally.

NJCMF staff meet regularly with representatives of the US Fish and Wildlife Service, National Marine Fisheries Service, and Army Corps of Engineers to discuss pending projects with joint jurisdiction. These meetings are known as the Joint Permit Processing meetings.

Deliverables: A summary of actions will be provided with semi-annual performance reports.

Outcome End Date: March 2016

4. Inter-State Coordination

NJDEP, through the NJCMP, interacts with many federal agencies, state coastal programs and other non-governmental organizations on a variety of coastal issues of state, regional and national concern. Such meetings of particular importance include Coastal States Organization meetings, the Annual Coastal Program Manager's meeting, NOAA-sponsored regional and national meetings, Section 312 Evaluations, Mid-Atlantic Regional Council on the Ocean (MARCO) meetings and the Mid-Atlantic Regional Planning Body meetings.

NJ will continue to seek coordinated solutions to coastal problems through collaboration with other coastal states, federal agencies and academic institutions. As part of this endeavor, the NJCMP will continue to participate on working groups with the HEP, Barnegat Bay NEP and Partnership for the Delaware Estuary Program, among others, and continue its partnership with the National Sea Grant Program. In particular, NJ seeks to identify opportunities to improve its working relationships with the adjoining coastal state programs of Pennsylvania, New York, and Delaware.

DCLUP will continue to provide staff support to the MARCO Management Board and representation on the various priority action subcommittees as the NJDEP lead to this initiative.

Coordination with EPA - National Estuary Programs

NJDEP and the DCLUP look toward a continuing role on the planning, coordination, and implementation committees for the multi-state NEPs with New York, Delaware and Pennsylvania. These multi-state initiatives align closely with NOAA's regional initiatives' and provide additional opportunity for adjacent coastal states to coordinate. DCLUP staff will continue to serve in various positions on committees associated with the National Estuary Programs.

Mid-Atlantic Regional Council on the Ocean (MARCO)

DCLUP will continue to assume the lead role for the NJDEP in coordinating with other MARCO states on coastal resource management issues such as coastal and marine spatial planning, coastal hazard and climate adaptation strategies, coastal water quality, and renewable energy initiatives.

DCLUP staff will coordinate with the NJDEP Sustainability and Green Energy Program - the NJDEP lead on renewable energy development and other NJDEP CMP networked programs (e.g., Bureau of Marine Fisheries). Staff will continue to coordinate on a regular basis with other Mid-Atlantic States; and NOAA, NMFS and OCRM at Sandy Hook. Such coordination will consist of conference calls and meetings, as needed.

Mid-Atlantic Regional Planning Body

In 2010, a Presidential Executive Order established a National Ocean Policy (NOP) to guide the protection, maintenance, and restoration of America's oceans and coasts. The NOP also calls for the creation of Regional Planning Bodies (RPBs) to coordinate and implement regional ocean planning with State, Federal, Tribal, and Fishery Management Council representatives. The Mid-Atlantic RPB will leverage existing efforts underway by States and regional entities, as well as engage stakeholders and technical experts at every key step.

NJ has nominated representatives for the Mid-Atlantic RPB. DCLUP will continue to work with the MARCO states, NJ representatives on the Mid-Atlantic RPB, and stakeholders to identify and address regional issues.

Deliverables: Summary updates, reports of meetings attended, and copies of presentations and materials presented by NJCMP staff at meetings and workshops will be provided in semi-annual performance reports.

Outcome End Date: March 2016

5. Federal Consistency Reviews

The NJCMP will re-evaluate NJ's approved Federal Consistency listings to determine if additional federal activities and geographic areas should be listed.

Deliverables: Recommendation report identifying additions to NJ's Federal Consistency listing.

Outcome End Date: March 2016

Task Funding

Federal:	\$91,362
Non-Federal:	\$61,529
Total:	\$152,891

Task: Education & Outreach

Task ID: 306-3

Applicant ID: 306-3

Timeframe: October 2014 through March 2016

NJDEP continues to emphasize the need for public participation and stakeholder engagement in developing rules, plans, and programs that impact the regulated community. Representatives of the NJCMP meet on a routine basis with advisory groups representing the development and environmental communities, and municipal governments. Additionally, numerous presentations are made to civic groups and interested organizations concerning issues related to the NJCMP.

This task has been identified as a Section 312 metric by which the DCLUP will measure its progress over the coming five year period.

Task Outcomes

1. Web Page Implementation

DCLUP will continue the use of its web page as a public outreach tool to disseminate NJCMP documents, data, updates, announcements, resources and other information useful to the program's stakeholders. The web page will also continue to provide the public with another option to submit inquiries using a web-based utility in the web page (the "Ask CMP" e-mail system).

The DCLUP will update the NJCMP web page to include information on current initiatives, partnerships, legislation, research, and useful coastal links, as well as enhance the public's ability to search for documents, reports, historic or archived data.

Deliverables: Summary of updates made to the NJCMP web pages will be provided in semi-annual performance reports.

Outcome End Date: March 2016

2. Constituent Outreach

The NJCMP will continue to meet with NJDEP's constituent groups, particularly those groups representing environmental, recreational, builders and developers, and other interest groups involving them in policy development and providing them an opportunity to raise issues.

DCLUP will also continue to coordinate with the New Jersey Sea Grant Consortium, Jacques Cousteau NERR and NEPs to provide technical assistance, education, and outreach support on coastal issues.

Deliverables: Summaries of public meetings and meetings will be provided with semi-annual performance reports. Information on public outreach events, audience (number and sectors represented) and presentation materials will be provided with semi-annual performance reports.

Outcome End Date: March 2016

3. Technical Support

The NJCMP will continue to provide technical support to its coastal partners, local governments, non-profit organizations, other NJDEP and state Agencies, and other interested groups to promote the NJCMP goals.

Deliverables: Summary of technical support activities will be provided with semi-annual performance reports.

Outcome End Date: March 2014

4. Continuing Coastal Program Education

DLUR staff will continue to conduct training programs for the public through the Rutgers University Continuing Education and Cooperative Extension Program. These Education programs will be on topics such as Wetlands Delineation including Vegetation Identification, Methodology for Delineating Wetlands, Introduction to Mitigation, Hydrology and Freshwater Wetland Construction Techniques and Stormwater Management. In addition DLUR, BCLUE, Land Use Management Rule Coordination Unit, and DCLUP staff will continue to hold, and attend, public meetings and hearings with constituent groups on coastal permit applications and as part of the rulemaking process.

Deliverables: Copies of presentations/materials; listing of courses offered in coordination with DLUR will be provided with semi-annual performance reports.

Outcome End Date: March 2016

5. Coastal Management Program Staff Training

The NJCMP is a networked program across several divisions within NJDEP. As such, it is often the case where programs become immersed in their program mission and so often miss opportunities to coordinate. In order to keep the lines of communication and coordination open, cross-training has become an effective tool. Cross-training can be applied to science and technical skills, rule and administrative changes, new and emerging issues, and personal development training as it supports outreach to the regulated community and stakeholders.

In this task, the DCLUP will coordinate with the JCNERR, NOAA's Coastal Services Center and others to present three cross-training opportunities to staff of the NJCMP networked programs and state agency programs that share responsibilities for the management of coastal resources or activities that may impact the coastal area.

Federal Consistency Training

Section 307 of the CZMA provides that federal actions that are reasonably likely to affect any land or water use or natural resource of the coastal zone be consistent with the enforceable policies of a coastal state's or territory's federally approved coastal management program. The state CMP reviews the federal action to determine if the proposed action will be consistent with the Coastal Management Program.

The NJCMP will hold training sessions for NJCMP networked programs. These training sessions benefit NJDEP and other state agency staff that may be affected by activities subject to federal consistency review.

Deliverables: Status updates, lists of course attendees, and presentation materials for each course will be provided with semi-annual performance reports.

Outcome End Date: March 2016

6. NJ Clean Marina Program

DCLUP will continue to implement the 10th year of the Statewide NJ Clean Marina Program and will coordinate its implementation with other NJDEP programs actively engaged in the education, permitting, compliance, and monitoring of marina facilities.

As the NJ Clean Marina Program is in its 10th year, DCLUP will:

- Review the Clean Marina Guidebook and update as necessary, and conduct an outreach initiative to contact all NJ marinas to promote awareness of, and participation in, the Clean Marina Program;
- Reconvene the Clean Marina Advisory workgroup to evaluate the Clean Marina Program and identify new opportunities for coordination;
- Explore opportunities to expand the scope of the Clean Marina Program by addressing practices at boat launches and private slips, dockages and moorings;
- Explore and develop tools, tips, education, and guidance specific to boat owners/operators
- Further develop the Clean Marina Program's web page as an outreach and education tool to reflect the success of this initiative and opportunities for program participation and growth;
- Explore the concept of a focused place-based approach to the Clean Marina Program targeting specific clean marina actions to water bodies the marinas are located in, and/or focus the 2014-15 Clean Marina Program activities primarily in the Barnegat Bay.

DCLUP will continue to contract with the NJSGC to implement the marina outreach and technical assistance program developed as part of NJ's Clean Marina Program. The DCLUP Clean Marina Program Coordinator will oversee the contract with the NJSGC and actively participate in the outreach and survey efforts identified in the scope of work for the NJSGC. The contract services with the NJSGC will include:

- Hosting a workshop/ training event(s) for marina owners and staff on a relevant topic, or round-table event(s), to assist marina owners in completing the clean marina self-assessment checklist;
- Replenishing the materials pertinent to the Clean Marina Program such as signs (approximately 200 signs are needed), printed guidebooks, and/or CDs;
- Exploring the creation of an interactive Guidebook for applying for Clean Marina status;
- Providing technical assistance, marina visits, and BMP identification;
- Continuing the preparation and distribution of the Clean Marina newsletter; and
- Developing and distributing a survey to gauge the benefits of the Clean Marina Program as well as identify areas where the program can assist marinas in pledging and gaining designation as a Clean Marina Program, and to implement new incentives to increase support and involvement in the program.

Deliverables:

- Status reports on marina participation;
- Copies of, or links to, information posted on the website;
- Copies of, or links to, educational materials prepared and distributed to marina owners/operators, and boaters;
- Status reports on progress made on focused initiatives identified in the list of contract services above;
- Copy of Contract with NJSGC; and
- Copies of or links to newsletters, fact sheets, and materials developed during the course of the Contract and in coordination efforts with other NJDEP programs.

Outcome End Date: March 2016

Task Funding

Federal: \$87,558

Non-Federal: \$48,863

Total: \$136,421

Task: Policy Refinement

Task ID: 306-4

Applicant ID: 306-4

Timeframe: October 2014 through March 2016

The DCLUP in coordination with DLUR, ODST, and Office of Policy Implementation will provide guidance to, other NJDEP programs and state agencies on policy and rule interpretation as it pertains to coastal resources and issues, as well as the history of the numerous laws, regulations, and the CMP. DCLUP in coordination with DLUR, ODST, and Office of Policy Implementation will coordinate with other networked programs on the amendments to existing and newly proposed CMP rules, policy refinements, Routine Program Changes, and Federal Consistency.

DCLUP continues to be committed to initiating the development of a Coastal Data Assessment Project. The primary purpose of this project is to collect and update the data that serves as the backbone for decision-making within the NJCMP. A long term goal of this effort is an enhanced NJ Coastal Atlas.

Task Outcomes

1. Policy Guidance

Provide guidance to NJDEP staff and state agencies on policy and rule interpretation as relates to coastal resources and issues.

DCLUP, DLUR, BCLUE, Office of Policy Implementation, and ODST are responsible for reviewing and assessing the effect of proposed State and Federal legislation on the implementation of the NJCMP and its enforceable policies as well as NJ's coastal resources.

Deliverables: Policy guidance provided will be summarized in semi-annual performance reports.

Outcome End Date: March 2016

2. Regulatory Updates

In the late fall of 2012, NJ suffered extraordinary levels of damage to homes, businesses, infrastructure, bulkheads, waterways, beaches, and dunes as a result of Superstorm Sandy. In the aftermath of Sandy, the State immediately took steps to address redevelopment and reconstruction, and to reduce risks to public safety, health, and the environment while rebuilding a more resilient coastal community. Specifically, the NJDEP undertook emergency rulemaking to amend the Flood Hazard Area Control Act rules to ensure that structures are constructed at appropriate elevations taking into account the best available flood elevation data and to amend the Coastal Permit Program rules and the CZM rules to facilitate the expeditious rebuilding of more resilient coastal communities and coastal-related industries, and help facilitate the recovery of the coastal ecosystem.

During the 33rd grant year, the NJDEP proposed amendments consolidating the Coastal Permit Program rules and CZM rules into one chapter and proposed amendments to further encourage appropriate redevelopment of more resilient coastal communities.

The consolidation of all of the coastal rules in a single chapter is part of the NJDEP's effort to transform the operations of the land use permitting programs administered by DLUR. DLUR administers three permitting programs (coastal, Freshwater wetlands and flood hazard area), each with its own chapter of rules. Under this proposal and through anticipated rulemaking to the freshwater wetlands and flood hazard area rules, the NJDEP intends to align the rules governing the permitting processes of all three programs to the extent the respective enabling statutes allow. The rules governing the process for obtaining a permit will be standardized across all three chapters and will be organized in a uniform order and format.

The transformation of the operations of the land use permitting programs also involves streamlining functions, re-engineering business processes, and leveraging technology to eliminate unnecessary paperwork, share applications and forms across the Department, and increasing the use of electronic submittals. The CZM rules as proposed to be consolidated and amended include changes to facilitate these efforts.

This proposal also includes various regulatory amendments to the standards in the rules for the use and development of the State's coastal resources, specifically those relating to marina development and expansion; dredging and dredged material management; and mitigation.

Deliverables: Updates on the rulemaking process will be summarized in semi-annual Performance Reports, along with additional information as appropriate.

Outcome End Date: March 2016

3. Routine Program Changes

As the NJDEP works through the rulemaking process to consolidate and amend the Coastal Permit Program rules and CZM rules, it will work with OCRM staff to prepare and ultimately submit a routine program change to reflect this current rulemaking.

Deliverables: Final program change document incorporating the regulatory amendments as described above.

Outcome End Date: March 2016

4. Begin to Update Program Understanding of NJ Coastal Conditions and Trends

In recognition that, while the state NJCMP has matured over the past decades, coastal conditions, trends and issues are dynamic and have changed over that period, and thus there is a need to re-assess the NJCMP policies, authorities, and approaches to ensure that they continue to reflect and address this changing environment. This program assessment is particularly important in light of the increased risk to NJ's coastal development and natural resources from coastal hazards.

To that end, NJDEP is embarking upon the development of a Coastal Data Assessment Project. The primary purpose of this project is to collect and update the data that serves as the backbone for decision-making within the NJCMP. The long-term proposal is to develop a NJ Coastal Atlas that will, among other features, make a wide array of coastal data available to the many NJ stakeholders who have an interest in effective coastal management and a high quality and productive coastal environment. The primary steps of the Coastal Data Assessment Project include:

- Identify data sets critical for coastal permitting decisions, and coastal resource management planning, and assess the quality and completeness of these data sets;
- Prioritize data development needs based on the assessment, i.e., what are the significant data gaps and quality concerns?;
- Develop a work plan to address these needs, including cost estimates;
- Implement the data development work plan in a phased manner as resources permit; and
- Develop a work plan for designing and implementing a NJ Coastal Atlas using existing state coastal atlases and regional data portals as potential models.

It is anticipated that some of the initial coastal data needs that will be assessed include: resource information such as submerged aquatic vegetation, shellfish beds, wetlands; coastal infrastructure at flooding risk such as sewer pump stations and sewer pipe networks (e.g., for NJ's Emergency Response Management System initiative; and base data layers such as an update of LiDAR data, particularly recognizing recent topographic changes resulting from Superstorm Sandy.

Deliverables:

- A report assessing the critical data sets, including an explanation of their importance.
- A work plan that provides a path for improving the quality and value of these priority data sets, including cost estimates.

Outcome End Date: March 2016

Task Funding

Federal:	\$77,967
Non-Federal:	\$70,475
Total:	\$148,442

Task: Coastal Planning

Task ID: 306-5

Applicant ID: 306-5

Timeframe: October 2014 through March 2016

This task includes DCLUP's ongoing planning-related activities based primarily on recent NJ initiatives, including municipal public access planning and resilient coastal community support.

Task Outcomes

1. Municipal Public Access Planning

DCLUP will continue to oversee the development of voluntary Municipal Public Access Plans (MPAP) which were incorporated into the CZM rules in 2012. DCLUP will coordinate implementation of these plans with other NJDEP programs that are engaged in the education, permitting, and compliance of public access locations and facilities.

DCLUP will:

- Continue to provide technical guidance and assistance, identifying, and mapping public access sites, and identifying conservation/preservation tools in the development of MPAPs;
- Update Municipal Public Access Planning program tools such as the MPAP template and other support documents as necessary;
- Explore opportunities to expand the scope of the Municipal Public Access Planning program to ensure public access is being provided in the best way possible; and
- Continue to update and enhance NJDEP's Public Access webpage as an outreach and education tool for municipal officials and the general public. The webpage is available at <http://www.state.nj.us/dep/cmp/access/>.

This task has been identified as a Section 312 metric by which the DCLUP will measure its progress over the coming five year period.

Deliverables:

- Status reports on technical assistance provided to coastal communities;
- Status of the number of MPAPs submitted and adopted;
- Examples of submitted and adopted MPAPs and associated public notices; and
- Copies of new information posted on the webpage.

Outcome End Date: March 2016

2. Resilient Coastal Communities Support

In the wake of Superstorm Sandy and the increased likelihood of more frequent and intense coastal storms, NJ's coastal communities need assistance with resiliency planning. The NJCMP has been developing the capacity to provide coastal towns with appropriate technical and program support. These services include:

- Conducting flooding vulnerability assessment using quantitative tools that incorporate storm surge and sea-level rise (SLR);
- Identifying strategies to address the projected community vulnerabilities, including assistance with implementation;
- Providing small grants to municipalities for resiliency planning; and
- Partnering with NJ NGOs and other levels of government also engaged in community resilience planning in order to expand and coordinate the scope of services being offered to local officials.

Deliverables:

- Municipal level vulnerability assessments that identify facilities, properties, and resources at varying risks of flooding under different storm and SLR scenarios;
- Coordinated regional and state-wide actions and plans, involving NJ stakeholder groups, NGOs and other levels of government, for improving local, regional, and state hazard resiliency.

Outcome End Date: March 2016

3. Municipal Public Access Planning & Coastal Vulnerability Assessment Grant Program

To incentive coastal communities to address both the Municipal Public Access Planning and Resilient Coastal Communities task outcomes above, DCLUP implements the Municipal Public Access Planning & Coastal Vulnerability Assessment Grant Program. This grant program provides small grants to coastal communities to help incentivize development of Municipal Public Access Plans and development of Municipal Coastal Vulnerability Assessment Reports. DCLUP issued the first request for proposals (RFP) for this grant program in April 2013 and issued the RFP for the second round of funding in April 2014. The 2013 and 2014 RFPs are available at: <http://www.state.nj.us/dep/cmp/access/mpapgrant.htm>.

Deliverables: Status report on the grant program, proposals, and awards will be provided in semi-annual performance reports.

Outcome End Date: March 2016

4. NJ Resilient Coastal Communities Initiative CRest Grant

NJ has been awarded a NOAA CRest Grant to implement a Resilient Coastal Communities Initiative. This grant partners the NJCMP with existing coastal partners to provide coastal communities with the tools, guidance, and technical and planning support to make them more resilient to coastal hazards. NJCMP staff is acting as the Project Manager/Principal Investigator for this grant, as well as providing significant in-kind resources through staff time. The grant period is June 1, 2014 to May 30, 2016, beginning and ending outside the timeframe of the Year 34 Grant.

Deliverable: A summary of actions will be provided with semi-annual performance reports. The CRest Grant reporting requirements are more extensive.

Outcome End Date: March 2016

Task Funding

Federal:	\$384,219
Non-Federal:	\$125,327
Total:	\$509,546

Task: Coastal Permitting

Task ID: 306-6

Applicant ID: 306-6

Timeframe: October 2014 through March 2016

Administration of the coastal permitting programs includes coastal permit review, federal consistency, and requests for adjudicatory hearings to contest permit decisions. DLUR and the Office of Dredging and Sediment Technology (ODST) administer the coastal permitting programs under Coastal Area Facility Review Act (CAFRA), the Wetlands Act of 1970, the Waterfront Development Law, and the Freshwater Wetlands Protection Act, which are enforceable policies under the NJCMP. In addition, DLUR and the ODST are responsible for the issuance of Water Quality Certifications and Federal Consistency Determinations. The rules which govern permit decisions under these statutes are the CZM rules, N.J.A.C. 7:7E, the Coastal Permit Program rules, N.J.A.C. 7:7, the Freshwater Wetlands Protection Act rules, N.J.A.C. 7:7A, the Stormwater Management rules, N.J.A.C. 7:8, and the NJPDES rules, N.J.A.C. 7:14A.

1. CAFRA - The Coastal Area Facility Review Act was enacted in 1973 and later amended on July 19, 1993. A CAFRA permit is required for a broad range of activities in the CAFRA area. Jurisdictional thresholds are based on the type of project and its proximity to the mean high water line of tidal waters, or the landward limit of a beach or dune.
2. Coastal wetlands: The Wetlands Act of 1970 authorizes NJDEP to regulate all development within mapped tidal wetlands.
3. Waterfront development: The Waterfront Development Law, enacted in 1914, authorizes the NJDEP to regulate certain types of development in all tidal waterways, as well as along all man-made waterways and lagoons subject to tidal influence found within any of three specific geographical areas.
4. Freshwater wetlands: The Freshwater Wetlands Protection Act, enacted in 1987, authorizes the NJDEP to regulate development in and in close proximity to wetlands. NJ assumed the Federal 404 wetlands permitting program in 1994 for the majority of the State's wetlands, at which time the Act and rules were incorporated as an enforceable policy under the NJCMP.
5. Tidelands: Tidelands, also known as riparian lands, are all lands that are currently and formerly flowed by the mean high tide of a natural waterway. The State of New Jersey claims ownership of these tidelands and holds them in trust for the people of the state. All tidelands are overseen by the Tidelands Resource Council, a board of twelve Governor-appointed volunteers, along with DEP staff at the Bureau of Tidelands Management. Since tidelands are public lands, written permission must be obtained from the State and a fee paid in order to use these lands. Common uses of tidelands include docks, mooring piles, bulkheads and other fill materials. Some tidelands may be sold in the form of a Riparian Grant while others may only be rented through either a Tidelands License or Lease.
6. Water Quality Certification: Certifications are issued in accordance with Section 401 of the Federal Clean Water Act. Requests for a water quality certification are also reviewed in accordance with other applicable statutes and regulations administered by NJDEP including the Surface Water Quality Standards (N.J.A.C. 7:9-4).
7. Federal Consistency Determinations: Section 307 of the CZMA requires that various federal activities be conducted in a manner consistent, to the maximum extent practicable, with the

approved state CMP.

8. Requests for an adjudicatory hearing to contest a permit decision: NJDEP rules provide the opportunity for interested persons who find themselves aggrieved by a permit decision made by DLUR to request an adjudicatory hearing to contest a permit decision. DLUR is responsible for the administration of such requests. NJDEP's Office of Legal Affairs is responsible for the initial processing of the hearing request and determinations of contested case status. DLUR is represented by the Attorney General's Office. Adjudicatory hearings contesting a permit decision are heard by the NJ Office of Administrative Law, or the Appellate or Superior Courts of NJ.

9. Technical assistance: Also included

Task Outcomes

1. Coastal Permit Program Administration

Administer coastal permitting program, review and issue final decisions on applications for CAFRA, coastal wetlands, waterfront development, and freshwater wetlands permits, water quality certificates and Federal Consistency determinations.

Implementation of the coastal permitting program includes:

- Processing of inquiries concerning program applicability and procedural requirements;
- Scheduling and conducting pre-application conferences;
- Processing permit applications (including site inspections, when applicable);
- Preparing summary analyses or environmental reports;
- Preparing condition compliance documents;
- Scheduling and holding public hearings; and
- Rendering permit decisions.

Deliverables: Section B report including the volume of permitting activities will be provided with semi-annual performance reports.

Outcome End Date: March 2016

2. Federal Consistency Determinations

DLUR and the ODST will continue to review federal actions for consistency with the enforceable policies of the NJCMP.

Deliverables: A summary of significant Federal consistency reviews and activities during that occurred during the reporting period as well as the volume of permitting will be provided with the semi-annual Section B Report performance reports:

Outcome End Date: March 2016

3. Requests for adjudicatory hearings

NJDEP's rules provide the opportunity for interested persons who find themselves aggrieved by a permit decision made by DLUR or the ODST to request an adjudicatory hearing on a permit decision. Requests for an adjudicatory hearing are made to the Office of Legal Affairs for the initial processing of administrative hearing requests and determinations of contested case status. DLUR and the ODST will continue to play an active role in defending coastal permit decisions, assisting the Attorney General's Office in responding to interrogatories, reviewing briefs, and testifying in such cases.

DLUR will also participate in settlement discussions and Alternative Dispute Resolution as appropriate. Moreover, DLUR will hold meetings with applicants contesting coastal permit decisions to guide them into bringing a proposed development into compliance with coastal regulations in order for a permit it be issued.

Deliverables: A summary of final decisions will be provided with semi-annual performance reports.

Outcome End Date: March 2016

4. Technical Assistance

Also included in the administration of the coastal permit programs is the responsibility to provide technical assistance in project design during pre-application meetings and throughout the review process.

This is a routine service provided by DLUR and the ODST to ensure that applications for permits can be expeditiously reviewed, will meet permit requirements and be granted. It would be unduly burdensome to report on each meeting, there is no guarantee that the applicant will meet or abide by the recommendations provided.

DLUR will continue to staff the Call Center that was established to provide quick and easy access to assistance in applying for applicable permits. Call Center staff provides status updates on pending permit applications, technical assistance in the proper permits to obtain, assistance with the application review process and how to complete forms, and general information.

Deliverables: A summary of technical assistance will be provided with semi-annual performance reports.

Outcome End Date: March 2016

Task Funding

Federal:	\$814,000
Non-Federal:	\$1,137,661
Total:	\$1,951,661

Task: Coastal Permit Monitoring, Compliance & Enforcement

Task ID: 306-7

Applicant ID: 306-7

Timeframe: October 2014 through March 2016

BCLUE enforces CAFRA, the Wetlands Act of 1970, and the Waterfront Development Law. In addition, BCLUE enforces the Freshwater Wetlands Protection Act within the coastal zone. Permits authorizing activities, which, if violated, have the potential to result in significant adverse impact to coastal resources, receive compliance monitoring inspections. For those regulated activities for which no permit has been obtained and for projects not complying with the permit requirements, BCLUE issues Notices of Violation in order to obtain quick compliance. Where Notices of Violation fail to achieve compliance or where violations are so egregious that a penalty is warranted, BCLUE issues an Administrative Order and Notice of Civil Administrative Penalty Assessment (AONOCAPA). AONOCAPAs are the initial step in seeking formal administrative or legal remedies. BCLUE strives to expand the impact, timeliness, and deterrent effect of enforcement in NJ's coastal zone by tailoring enforcement response to the degree of environmental harm and recalcitrance of the violator. This enables prioritization of enforcement response toward activities deemed to be of significant environmental harm or significant potential environmental harm. This ensures that resources are being applied to accomplish the maximum environmental benefit.

Task Outcomes

1. Program Administration

Administer coastal monitoring, compliance, and enforcement program to ensure compliance with all issued CAFRA, coastal wetlands, waterfront development, and freshwater wetlands permits, water quality certifications and Federal Consistency determinations.

Deliverables: The volume of enforcement activities will be provided with semi-annual performance reports and the Section B report.

Outcome End Date: March 2016

2. Routine Permit Compliance or Complaint Inspections

BCLUE will conduct routine, proactive permit compliance inspections of the larger authorized coastal projects. BCLUE and DLUR have agreed on a set of criteria which BCLUE will use to determine which sites BCLUE will prioritize and schedule compliance monitoring inspections. DLUR will identify for BCLUE any specific permits that should be targeted for compliance inspection due to the sensitivity of nearby resources or for which it has specific compliance concerns. BCLUE will respond to complaints of violations of the coastal rules of all types by conducting remote sensing and field inspections to document violations and compel compliance through appropriate enforcement action. For both permit compliance inspections and response to complaints, BCLUE will document compliance or violations, issue a notice of violation for all observed noncompliance, resolve cases through informal and formal mechanisms, seek restoration and/or mitigation and where appropriate, issue administrative orders and penalty assessments utilizing increased penalty amounts authorized by the Environmental Enforcement Enhancement Act (EEEA). BCLUE conducts most inspections by land, but has the capability to make inspections by boat.

Deliverables: The following information will be provided with semi-annual performance reports:

- Statistical reports summarizing activities under each of the four statutory programs, including permit compliance inspections, complaint investigations, notices of violations issued, and penalty assessments issued under each coastal statute.
- Narrative descriptions of significant enforcement activities, enforcement initiatives, activities toward increasing public access to waterways, freshwater wetlands activities in the Coastal Zone, the Hudson Riverfront Walkway enforcement actions, and inter-governmental coordination efforts.

Outcome End Date: March 2016

3. Technical Assistance, Education and Outreach

In the course of their daily activities the BCLUE provides education to private citizens and public and commercial entities striving to raise the level of awareness of the CZM rules, CAFRA, coastal wetlands, waterfront development, and tidelands requirements in relation to issues such as beach maintenance, dune protection, coastal wetland protection, and public access. Staff routinely provides education to support groups such as the NJ Watershed Ambassador Program with occasional programs for real estate professionals and municipal officials. As the BCLUE office is located 'in the field' they are often called upon to provide technical assistance to local government officials prior to embarking on a development project (site inspection/ interpretation) and property owners who may be faced with addressing a notice of violation or complaint.

Deliverables: A summary of education and outreach activities, and technical assistance provided by BCLUE as well as cross-training received and provided will be highlighted in the semi-annual performance reports.

Outcome End Date: March 2016

Task Funding

Federal: \$521,001

Non-Federal: \$524,628

Total: \$1,045,629

Task: Coastal & Marine Spatial Planning

Task ID: 309-1

Applicant ID: 309-1

Timeframe: October 2014 through March 2016

Coastal and Marine Spatial Planning (CMSP) (also referred to as marine planning or ocean planning) is a comprehensive, integrated, science and ecosystem-based approach to address conservation, economic activity and sustainable use of ocean and coastal resources. NJ began preliminary work in this area with development of a limited ocean atlas in 2004; gathered data on offshore biological resources through an offshore ecological baseline study from January 2008 through December 2009, and participated via MARCO in development of a Mid-Atlantic Data Portal (<http://portalmidatlanticocean.org/portal/>) to host and provide access to regional offshore data. The Section 309 multi-year strategy for this enhancement area will build on these previous efforts.

Coincident with the proposed development of a CMSP framework for NJ's ocean waters, DCLUP will continue to work with MARCO to advance identification of and address regional issues. This Section 309 strategy task continues working with the federal government and stakeholders on CMSP to advance the recommendations of the Interagency Ocean Policy Task Force, adopted by the 2010 Federal Executive Order on Stewardship of the Ocean, Coasts, and the Great Lakes National Ocean Policy.

This task proposes as an outcome the development of a CMSP framework for the area offshore of NJ as an element of a broader regional planning process and as part of the federal framework. The development and adoption of a coastal and marine spatial planning framework will provide data to better inform renewable energy siting criteria, informing commercial activity and ocean resource management decision making. It is possible that the CMSP effort may result in revisions to NJ's enforceable policies (CZM rules). Federal consistency under the CZMA, with its reliance on enforceable policies, is the key authority available to NJ to review and comment on activities proposed in federal waters off our shore.

DCLUP will also continue, through participation in MARCO, to coordinate regional CMSP development.

The key steps NJ will take to develop a CMSP framework include:

1. Identifying objectives;
2. Identifying and cataloging past and existing efforts that will help shape the marine spatial planning effort;
3. Engaging stakeholders and the public in capturing human use data (PGIS workshops);
4. Consulting scientists, and technical and other experts;
5. Analyzing data, uses, services, and impacts;
6. Preparing a marine spatial planning framework; and
7. Collaboration on data development and contribution of data to the MARCO Portal.

Task Outcomes

1. Coordination with MARCO and Regional Planning Body

Coordination between NJCMP and the activities of MARCO are advantageous to the implementation of the Section 309 Ocean Resources Enhancement Strategy as this coordination informs the actions of NJ in relationship to federal and adjacent coastal state activities. Coordination and participation allows for the leveraging of ideas and resources and planning for ocean resource management.

DCLUP will continue to participate on the MARCO Management Board and on the various subcommittees associated with the action agenda items, i.e., the climate change, habitat, offshore renewable energy and CMSP action teams. Specifically, this task addresses DCLUP coordination efforts to enhance the MARCO Data Portal, develop and or enhance existing data sets through new mapping initiatives, and stakeholder engagement as identified under the Participatory GIS (PGIS) outcome.

DCLUP will also continue to work with the MARCO states and NJ representatives on the Mid-Atlantic RPB to advance identification of, and address regional issues. DCLUP continues working with the federal government and CMSP stakeholders to advance the recommendations of the Interagency Ocean Policy Task Force, adopted by the 2010 Federal Executive Order on Stewardship of the Ocean, Coasts, and the Great Lakes.

Deliverables: Summary reports of coordination activities will be provided with semi-annual performance reports.

Outcome End Date: March 2016

2. Stakeholder Engagement - Participatory GIS

Participatory GIS (PGIS) is a practice in which local communities or stakeholders share their knowledge and opinions to help generate maps to inform management and decision-making. PGIS fosters discussion and collaboration among stakeholders and can capture important knowledge from underrepresented groups.

In the effort to enhance the data available to the MARCO CMSP Data Portal project, PGIS was identified as a key element in engaging the stakeholders holding various types of information. DCLUP is proposing to use the PGIS format to engage recreational fishers to develop a more robust and up-to-date data set that may result in amendments to the CZM rules as they pertain to recreational fishing areas and as a refinement to the renewable wind siting criteria. The commercial fishery industry may also be targeted as a stakeholder group for PGIS as well as other recreational user groups.

DCLUP will partner with MARCO action team members, NOAA's Coastal Services Center, and the Monmouth Group (comprising Monmouth University, Rutgers University, The Nature Conservancy, The University of Delaware's Gerard J. Mangone Center for Marine Policy, and Ecotrust) to develop the skill set necessary for successful engagement of stakeholders in this PGIS exercise. Meeting planning, stakeholder engagement and map development is ongoing, allowing for greater constituent outreach.

Deliverables: Status reports of stakeholder engagement, including schedules, participants, and copies of data sets developed through this exercise will be provided with semi-annual performance reports.

NOTE: A Data Sharing Plan has been drafted pursuant to NOAA's New Environmental Data Sharing Policy and will be provided as necessary and appropriate.

Outcome End Date: March 2016

Task Funding

Federal:	\$75,766
Non-Federal:	\$0
Total:	\$75,766

Task: Wetlands/Living Shorelines Adaptation

Task ID: 309-2

Applicant ID: 309-2

Timeframe: October 2014 through March 2016

NJ's shorelines continue to erode from the impacts associated with coastal storms, normal tidal exchange, recreational boat wakes, and sea level rise. In the past, the standard response to this erosion was the construction of shoreline stabilization structures to protect property from these adverse effects. While hardened structures have proven to be beneficial in reducing property damage, such structures have been found to contribute to additional loss of coastal wetlands habitat, natural shoreline features, and in some cases increased erosion of adjacent properties. Alternative forms of shoreline stabilization would provide habitat and less disruptive forms of protection.

In order to combat coastal erosion and wetland loss along sheltered coasts, many states are creating "living shorelines." Living shorelines employ natural habitat elements to protect shorelines from erosion while also providing critical habitat for wildlife and water quality benefits. DCLUP proposes to develop a NJ-specific strategy to promote the use of living shorelines and other alternative shoreline stabilization strategies.

Task Outcomes

1. Living Shorelines Strategy Direction

DCLUP is leading a living shorelines advisory committee comprised of applicable NJDEP programs and NJCMP coastal partners to implement the NJ-specific Living Shorelines Strategy Direction, a strategic plan to organize, coordinate and implement a NJ living shorelines program. This effort builds upon ongoing and planned shoreline assessments and wetlands monitoring to identify geographic areas and site-specific criteria to determine the appropriate locations and designs for building living shorelines in NJ.

This strategy addresses the development of guidelines and enforceable policies supporting the use of living shorelines or other adaptive management strategies (e.g., green infrastructure) as alternatives to, or in conjunction with, new or retrofitted shoreline stabilization structures. It is also expected to result in living shoreline pilot projects to assess and refine the strategy.

This living shorelines strategy also incorporates an education and outreach component to promote awareness of these alternative approaches to shoreline stabilization, and their benefits to the coastal ecosystem. DCLUP is building on existing partnerships at all levels of government, non-governmental organizations, private sector and academia to identify and implement science-based strategies that may be adapted to the specific challenges of individual coastal areas around the state (tidal riverine, back-bay), and engage partners in education and outreach activities to promote use of living shoreline techniques in coastal areas.

DCLUP will take the following specific actions toward development of the living shorelines strategy:

1. Implement the Living Shorelines Strategy Direction with NJDEP living shorelines advisory committee
2. Schedule coordination meeting with Federal agencies, i.e., FEMA, NOAA, Army Corps of Engineers, and USFWS;
3. Coordinate with NOAA and appropriate partners to design and conduct a Shoreline Assessment and Restoration Suitability Analysis that evaluates stretches of NJ coastline for most suitable living shoreline types;
4. Develop engineering practices applicable to a range of shoreline types and conditions;
5. Develop a shoreline inventory to further refine selection of appropriate practices and guide a more uniform regional integration of practices;
6. Construct, monitor, and evaluate pilot projects to determine the suitability of various living shoreline techniques throughout NJ's coastal areas;
7. Work with NJCMP coastal partners to apply for NOAA supplemental funds available for living shorelines projects; and
8. Assist DLUR in the implementation and evaluation of the coastal general permit for habitat creation, restoration, enhancement, and living shoreline activities, N.J.A.C. 7:7-7.29.

A possible long-term outcome of the living shorelines strategy is the refinement of the CZM rules that were adopted in 2013 to further facilitate installation of living shorelines wherever feasible and effective.

Deliverables: Summary updates and reports of meetings attended will be provided in semi-annual performance reports.

Outcome End Date: March 2016

2. The Nature Conservancy Living Shorelines CREST Grant

The Nature Conservancy of New Jersey applied for, and was awarded, a NOAA CRest (Coastal Resilience Networks) grant to develop the New Jersey Coastal Resilience Network. This grant sets the groundwork for restoring resilient coastlines in NJ so that natural and human communities are better able to adapt to changing climates including sea level rise and large storm events. DCLUP staff participates on the steering and technical committees. An anticipated long-term outcome of this grant is the facilitation of resilient shorelines where feasible and effective, through amendments to the CZM rules.

Deliverable: Summary updates and reports of meetings attended will be provided in semi-annual performance reports.

Outcome End Date: March 2016

Task Funding

Federal:	\$39,145
Non-Federal:	\$0
Total:	\$39,145

Task: Cumulative & Secondary Impacts

Task ID: 309-3

Applicant ID: 309-3

Timeframe: October 2014 through March 2016

Cumulative and secondary impacts or effects describe the changes in the coastal environment resulting from numerous human activities and small-scale alterations to the natural environment. DCLUP is attempting to identify and manage the cumulative and secondary impacts that coastal development has on NJ's valuable coastal resources such as tidal marshes and wetlands, wildlife habitat, fish and shellfish, public lands, and overall water quality.

The NJCMP recognizes the environmental benefits of addressing cumulative and secondary impacts, not only through the permitting of individual projects, but also in the context of local land use planning.

Task Outcomes

1. Sustainable Coastal Communities

DCLUP will work with municipalities to examine current plans and ordinances to gauge their effectiveness in protecting coastal resources and promoting sustainable communities. DCLUP will work with municipalities to develop sustainable community visions, plans, ordinances and policies protective of coastal resources. Implementing sustainable plans at the local level is critical to long-term protection of coastal resources.

Innovative local coastal management projects can inspire community action and promote the protection and effective management of coastal resources while also achieving local economic and social objectives. Projects include protecting natural resources; protecting historic resources, traditions, and community values; and, decreasing the costs associated with public infrastructure.

Drawing on current state and federal coastal management priorities, DCLUP will define coastal resource protection needs. Based on these needs, DCLUP will utilize sustainable local growth management approaches that include developed and organized actions, BMPs, ordinances, policies, planning tools, etc.) for local environmental enhancement (e.g., State Plan Endorsement; Sustainable Jersey Program), or develop new criteria, as necessary. The DCLUP in coordination with local and regional resource protection organizations, as appropriate, will provide technical assistance (and, as possible, incentives) to communities that seek to participate in this voluntary initiative. If new criteria are developed, NJCMP will describe criteria and submit to OCRM for approval and incorporation into the measure.

This task has been identified as a Section 312 metric by which the DCLUP will measure its progress over the coming five year period.

Deliverables: DCLUP will identify the municipalities that participate in sustainable coastal community planning efforts, assess their primary needs and information gaps for cumulative and secondary impacts, and identify implementable and/or adopted measures.

Outcome End Date: March 2016

2. Coastal Boundary Change

The New Jersey Coastal Management boundary is an essential element of the state's Coastal Program. The original inland boundary was defined in the New Jersey Coastal Program and Final Environmental Impact Statement (1980) as follows:

The inland boundary from Raritan Bay to Cape May Point and then north along Delaware Bay is coincident with the boundary as defined in the Coastal Area Facilities Review Act (CAFRA) or the upper boundary of the coastal wetlands, whichever is more inland. Outside CAFRA, the coastal boundary is defined as the inland boundary of the State's jurisdiction under the Waterfront Development Act, the Wetlands Act of 1970, or the inland boundary of State-owned tidelands, whichever is more inland. The New Jersey Meadowlands District is also included in the inland boundary.

In February of 2003, a Focus Group was convened to review issues related to the inland boundary of the NJ Coastal Zone. This group, made up of representatives of county, state and federal agencies, regional planning agencies, and non-profit environmental organizations, reached several conclusions regarding the boundary. DCLUP will revisit those conclusions and modify them as necessary and appropriate based on more recent information. Based on that reassessment, DCLUP will submit recommendations to NJDEP management, and identify next steps.

The purposes of modifying the Coastal Zone boundary are:

- To improve public recognition of coastal resources and significant direct and indirect impacts on them
- To enhance program management and better address all direct and indirect impacts
- To improve coordination of existing NJ CMP authorities and enhance the CMP's leadership in coastal management
- To provide greater predictability to the management of coastal resources

Deliverables: Summary and conclusions of the reassessment will be provided upon completion.

Outcome End Date: March 2016

3. Coastal Planning Area and Center Designation Process Update

In 2000 DEP adopted amendments to the CZM Rules that integrated the NJ State Development and Redevelopment Plan into the Rules, as directed by the 1994 CAFRA legislation. The amendments included a set of coastal planning areas that assign designations for more rural or environmentally sensitive areas that mirrored the State Plan Policy Map, and “growth” centers on the mainland and barrier islands. Planning areas and centers could subsequently be established or revised by working with the State Planning Commission through plan endorsement and making subsequent changes to NJDEP CZM rules.

Expiration of certain coastal centers established by the Department and expiration of certain State Plan centers that are also CAFRA Centers is set to occur at the end of 2014. Expiration of coastal centers has been avoided to this point by legislative action through two the Permit Extension Acts (PEA) and through notice as the Department’s response to the expiration of State Plan Designated Centers by rule. If coastal and CAFRA centers expire, the ability to permit large commercial, residential and industrial developments in the coastal area will be restricted. Since higher development potential is tied to centers, elimination of these as CAFRA Centers will negatively impact coastal municipalities that have planned growth for these locations, and revised their plans and ordinances to be consistent with the CZM Rules.

As a result the Department must determine how to respond to these changes that will impact development activity and resource protection in the coastal area. In addition to the expiration of the PEA, the SPC has drafted a new State Plan (State Strategic Plan) which eliminates the current State Planning and Policy Map that is used to establish CAFRA planning areas and centers. Therefore, there is a need to revise Department policies and procedures for CAFRA planning areas and centers (or their equivalent) in order to continue protecting valuable coastal resources. In doing so the Department will be guiding development into areas appropriately planned for growth with infrastructure, increasing economic and tourism sustainability, while also minimizing risk to environmental resources and from hazards, such as flooding or storm surge.

The Department needs to identify how to address the expiration of coastal centers in the short term and because of the uncertainty over the end of plan endorsement and the implementation of a new State Strategic Plan. The Department should develop a process to establish sustainable growth centers in the coastal area. This will ultimately require CZM Rule amendments.

The Departments will evaluate options on how to proceed in the short and long term. Establish a process in the CZM Rules for the Department to designate growth centers and to revise planning areas. It will take significant time and resources to develop a new process for “endorsement” of a coastal community’s land use plans, policies and objectives with associated impervious surface/development density or other environmental protection policies. A public process is desirable to meet legislative intent.

Deliverables

- 1.Issues and options paper on how to proceed in the short term to avoid center expiration.
- 2.Development of a new/revised process for identifying growth and environs protection areas in NJ coastal zone.

Outcome End Date: March 2016

Task Funding

Federal: \$130,222

Non-Federal: \$0

Total: \$130,222

Task: Coastal Hazards

Task ID: 309-4

Applicant ID: 309-4

Timeframe: October 2014 through March 2016

The NJCMP has previously completed the development of tools under the Coastal Hazards issue area – the Coastal Community Vulnerability Assessment and Mapping Protocol (CCVAMP) comprised of a Coastal Vulnerability Index (CVI) and the Getting to Resilience (GTR) questionnaire. These tools provide coastal communities with the instruments to evaluate their vulnerability to coastal hazards and identify appropriate responses. NJDEP was also awarded a CRest grant to implement a NJ Resilient Coastal Communities Initiative that seeks to provide coastal communities with the tools, guidance, and technical and planning support to make them more resilient to coastal hazards.

Task Outcomes

1. Resilient Planning Tool Development

The NJCMP has previously completed the development of tools under the Coastal Hazards issue area – the Coastal Community Vulnerability Assessment and Mapping Protocol (CCVAMP) comprised of a Coastal Vulnerability Index (CVI) and the Getting to Resilience (GTR) questionnaire. These tools provide coastal communities with the instruments to evaluate their vulnerability to coastal hazards and identify appropriate responses.

CVI is a mapping element that allows communities to assess their geographic, environmental, and social vulnerability to the impacts from coastal hazards such as storm surge and sea level rise. GTR is a questionnaire that leads community leaders through a process to evaluate a community's vulnerability and increase preparedness by linking and providing recommendations on planning, mitigation, and adaptation. Through the NJ RCCI CRest Grant, the NJCMP will also begin development of a Municipal Coastal Hazards Response Guide to identify planning responses and other implementation tools, and their appropriate use within NJ's existing regulatory and fiscal environment.

These individual tools provide much of the framework for a comprehensive planning effort, and used in conjunction, provide much of the necessary guidance and recommendations for coastal communities to plan for the impacts of coastal hazards. The NJCMP proposes that these tools be directly linked providing coastal communities with a comprehensive networked tool that identifies the communities' vulnerabilities and the full range of response options to address their vulnerability and enhance their resilience to coastal hazards.

Deliverables: Expanded Municipal Coastal Hazards Response Guide; the technical framework for direct linkage between existing resiliency planning tools.

Outcome End Date: March 2016

Task Funding

Federal: \$248,867

Non-Federal: \$0

Total: \$248,867

Budget by Section and Task

Section	ID	Item	Task	Federal	Non-Federal	Total
306	306-1	1	Grant Management & Reporting	\$15,893	\$23,527	\$39,420
	306-2	2	Program Management & Coordination	\$91,362	\$61,529	\$152,891
	306-3	3	Education & Outreach	\$87,558	\$48,863	\$136,421
	306-4	4	Policy Refinement	\$77,967	\$70,475	\$148,442
	306-5	5	Coastal Planning	\$384,219	\$125,327	\$509,546
	306-6	6	Coastal Permitting	\$814,000	\$1,137,661	\$1,951,661
	306-7	7	Coastal Permit Monitoring, Compliance & Enforcement	\$521,001	\$524,628	\$1,045,629
Total Section: 306				\$1,992,000	\$1,992,010	\$3,984,010
309	309-1	1	Coastal & Marine Spatial Planning	\$75,766	\$0	\$75,766
	309-2	2	Wetlands/Living Shorelines Adaptation	\$39,145	\$0	\$39,145
	309-3	3	Cumulative & Secondary Impacts	\$130,222	\$0	\$130,222
	309-4	4	Coastal Hazards	\$248,867	\$0	\$248,867
Total Section: 309				\$494,000	\$0	\$494,000
Total All Sections:				\$2,486,000	\$1,992,010	\$4,478,010

Budget by Section and Category

Section	Category	Federal	Non Federal	Total
306	Personnel	\$918,779	\$1,087,937	\$2,006,716
	Indirect	\$277,565	\$351,931	\$629,496
	Travel	\$5,000	\$0	\$5,000
	Supplies	\$17,000	\$0	\$17,000
	Other	\$36,000	\$0	\$36,000
	Contractual	\$271,370	\$0	\$271,370
	Fringe	\$466,286	\$552,142	\$1,018,428
Total Section: 306		\$1,992,000	\$1,992,010	\$3,984,010
309	Personnel	\$183,000	\$0	\$183,000
	Indirect	\$55,286	\$0	\$55,286
	Travel	\$3,000	\$0	\$3,000
	Supplies	\$8,000	\$0	\$8,000
	Other	\$6,500	\$0	\$6,500
	Contractual	\$145,334	\$0	\$145,334
	Fringe	\$92,880	\$0	\$92,880
Total Section: 309		\$494,000	\$0	\$494,000
Total All Sections:		\$2,486,000	\$1,992,010	\$4,478,010

Budget by Personnel

Name and Position	Base Salary \$	Fringe Rate	Allotted Federal		Allotted Non-Federal		Total Allotted Salary \$	Allocated
			Salary \$	Fringe \$	Salary \$	Fringe \$		
081355 Env Specialist 4	\$98,318	50.75%	\$0	\$0	\$70,000	\$35,525	\$70,000	71%
083105 Section Chief	\$107,990	50.75%	\$90,000	\$45,675	\$13,881	\$7,045	\$103,881	96%
083108 Env Specialist 2	\$71,905	50.75%	\$47,850	\$24,284	\$20,000	\$10,150	\$67,850	94%
083120 Env Specialist 4	\$98,319	50.75%	\$34,000	\$17,256	\$15,000	\$7,613	\$49,000	50%
083123 Env Specialist 4	\$98,318	50.75%	\$50,000	\$25,375	\$20,000	\$10,150	\$70,000	71%
083146 Env Specialist 3	\$85,456	50.75%	\$0	\$0	\$55,000	\$27,913	\$55,000	64%
083623 RS 3	\$74,195	50.75%	\$28,000	\$14,211	\$15,000	\$7,613	\$43,000	58%
084067 Env Specialist 4	\$85,285	50.75%	\$0	\$0	\$70,000	\$35,525	\$70,000	82%
084086 Senior Geologist	\$79,825	50.75%	\$0	\$0	\$60,000	\$30,450	\$60,000	75%
084161 Env Specialist 1	\$57,320	50.75%	\$28,660	\$14,545	\$28,000	\$14,210	\$56,660	99%
084197 RS 1	\$100,808	50.75%	\$47,000	\$23,854	\$20,000	\$10,151	\$67,000	66%
084378 Env Engineer 4	\$96,010	50.75%	\$10,000	\$5,075	\$20,000	\$10,150	\$30,000	31%
09486 Env Specialist 3	\$82,640	50.75%	\$43,033	\$21,841	\$15,000	\$7,613	\$58,033	70%
096653 RS 1	\$107,990	50.75%	\$20,000	\$10,152	\$10,000	\$5,075	\$30,000	28%
098843 Manager 1	\$116,477	50.75%	\$33,000	\$16,749	\$17,000	\$8,628	\$50,000	43%
099374 Env Specialist 4	\$99,301	50.75%	\$10,000	\$5,075	\$15,000	\$7,613	\$25,000	25%
101619 Manager 4	\$97,043	50.75%	\$75,947	\$38,543	\$15,000	\$7,613	\$90,947	94%
648896 Env Specialist 4	\$91,802	50.75%	\$0	\$0	\$50,000	\$25,375	\$50,000	54%
649136 Env Specialist 2	\$79,142	50.75%	\$33,000	\$16,748	\$12,000	\$6,091	\$45,000	57%
650305 Env Specialist 2	\$67,403	50.75%	\$33,750	\$17,128	\$30,000	\$15,225	\$63,750	95%
650628 Env Specialist 3	\$96,010	50.75%	\$51,650	\$26,212	\$44,360	\$22,513	\$96,010	100%
650629 Env Specialist 3	\$80,623	50.75%	\$55,651	\$28,243	\$24,972	\$12,673	\$80,623	100%

#New Jersey CZM: AwardNWJCZM2014 10/1/2014 to 3/31/2016

651120 Env Specialist 3	\$86,310	50.75%	\$34,700	\$17,610	\$29,055	\$14,745	\$63,755	74%
651239 Env Specialist 3	\$79,142	50.75%	\$0	\$0	\$12,000	\$6,091	\$12,000	15%
654312 Env Specialist 4	\$92,720	50.75%	\$45,550	\$23,117	\$47,170	\$23,939	\$92,720	100%
654414 Sect Chief	\$107,990	50.75%	\$32,200	\$16,341	\$16,000	\$8,121	\$48,200	45%
654750 Env Specialist 2	\$73,895	50.75%	\$0	\$0	\$12,000	\$6,091	\$12,000	16%
654752 Env Specialist 3	\$86,310	50.75%	\$42,808	\$21,725	\$43,502	\$22,077	\$86,310	100%
654753 Env Specialist 3	\$86,310	50.75%	\$57,550	\$29,207	\$28,760	\$14,596	\$86,310	100%
656650 SES	\$104,046	50.75%	\$28,000	\$14,213	\$15,000	\$7,614	\$43,000	41%
656816 Env Specialist 3	\$85,455	50.75%	\$0	\$0	\$64,238	\$32,601	\$64,238	75%
657103 Env Specialist 3	\$72,094	50.75%	\$0	\$0	\$72,094	\$36,588	\$72,094	100%
657159 Env Specialist 4	\$92,720	50.75%	\$10,000	\$5,075	\$20,000	\$10,150	\$30,000	32%
93576 Env Specialist 3	\$79,825	50.75%	\$66,920	\$33,963	\$12,905	\$6,551	\$79,825	100%
95238 Env Specialist 3	\$85,455	50.75%	\$63,850	\$32,404	\$20,000	\$10,150	\$83,850	98%
95238 Env. Specialist 3	\$85,455	50.75%	\$0	\$0	\$0	\$0	\$0	0%
95550 Env Specialist 3	\$98,319	50.75%	\$0	\$0	\$10,000	\$5,076	\$10,000	10%
957611 Env Specialist 3	\$91,802	50.75%	\$0	\$0	\$20,000	\$10,150	\$20,000	22%
96345 Env Specialist 3	\$57,320	50.75%	\$28,660	\$14,545	\$25,000	\$12,688	\$53,660	94%

Budget Information by Task - Section 306

Task: Grant Management & Reporting

Task ID: 306-1

Personnel

Title	Rate	Salary		Fringe		Total
		Federal	NonFederal	Federal	NonFederal	
098843 Manager 1	50.75%	\$2,000	\$2,000	\$1,015	\$1,015	\$6,030
656650 SES	50.75%	\$2,000	\$3,000	\$1,015	\$1,523	\$7,538
084197 RS 1	50.75%	\$2,000	\$2,000	\$1,015	\$1,015	\$6,030
93576 Env Specialist 3	50.75%	\$2,230	\$3,000	\$1,132	\$1,523	\$7,885
654750 Env Specialist 2	50.75%	\$0	\$3,000	\$0	\$1,523	\$4,523
Totals:		\$8,230	\$13,000	\$4,177	\$6,599	\$32,006

Rate Explanation

50.7500 This rate is composed of pension, health benefits, workers compensation, unemployment insurance, temporary disability insurance, unused sick leave, and Medicare.

Supplies

Name	Federal	Non Federal	Total
Supplies Budget Item	\$1,000	\$0	\$1,000

Basis for Supplies Estimate: Office, printing supplies and computer.

Indirect

Name	Federal	Non Federal	Total
Indirect Budget Item	\$2,486	\$3,928	\$6,414

Rate Basis

The in-direct rate is calculated at 20.04% of personnel and fringe costs. The in-direct rate is calculated at 20.04% of personnel and fringe costs.

Task: Program Management & Coordination

Task ID: 306-2

Personnel

Title	Rate	Salary		Fringe		Total
		Federal	NonFederal	Federal	NonFederal	
098843 Manager 1	50.75%	\$4,000	\$5,000	\$2,030	\$2,538	\$13,568
656650 SES	50.75%	\$3,000	\$1,000	\$1,523	\$508	\$6,031
084197 RS 1	50.75%	\$4,000	\$3,000	\$2,030	\$1,523	\$10,553
649136 Env Specialist 2	50.75%	\$2,000	\$4,000	\$1,015	\$2,030	\$9,045
654414 Sect Chief	50.75%	\$3,240	\$4,000	\$1,644	\$2,030	\$10,914
93576 Env Specialist 3	50.75%	\$6,000	\$2,000	\$3,045	\$1,015	\$12,060
95550 Env Specialist 3	50.75%	\$0	\$5,000	\$0	\$2,538	\$7,538
083623 RS 3	50.75%	\$4,000	\$4,000	\$2,030	\$2,030	\$12,060
083120 Env Specialist 4	50.75%	\$0	\$2,000	\$0	\$1,015	\$3,015
09486 Env Specialist 3	50.75%	\$6,011	\$2,000	\$3,051	\$1,015	\$12,077
654750 Env Specialist 2	50.75%	\$0	\$2,000	\$0	\$1,015	\$3,015
Totals:		\$32,251	\$34,000	\$16,368	\$17,257	\$99,876

Rate Explanation

50.7500 This rate is composed of pension, health benefits, workers compensation, unemployment insurance, temporary disability insurance, unused sick leave, and Medicare.

Travel Items

Trip: Travel In-State. Various locations within NJ and surrounding area - PA, NY, DE

Purpose

The state of New Jersey reimburses individuals using their personal vehicle or incurring other travel expenses - train, bus, tolls - in the conduct of official business.

Basis

The state of New Jersey reimburses individuals using their personal vehicle or incurring other travel expenses - train, bus, tolls - registration fees associated with the conduct of official business - meeting with public officials, other agencies, attendance at meetings, seminars, conferences, work

Travel Location: In-State

Trip Summary

Federal:	\$1,000
Non-Federal:	\$0
Total:	\$1,000

Trip: Travel Out-of-State for Inter-State conferences and meetings.

Purpose

Expenses are calculated to cover travel, lodging, registration and related expenses – per diem as calculated by GSA – associated with out of state travel.

Basis

The travel is conducted by Coastal Management Program staff as representatives of the NJ Department of Environmental Protection on official business. The figures represented are aggregated based on the costs of one RT travel to Washington D.C. Although conferences and meetings may be held at other

Travel Location: Out-of-State

Trip Summary

Federal:	\$1,000
Non-Federal:	\$0
Total:	\$1,000

Supplies

Name	Federal	Non Federal	Total
Supplies Budget Item	\$5,000	\$0	\$5,000

Basis for Supplies Estimate: Office, printing supplies and computer.

Indirect

Name	Federal	Non Federal	Total
Indirect Budget Item	\$9,743	\$10,272	\$20,015

Rate Basis

The in-direct rate is calculated at 20.04% of personnel and fringe costs.

The in-direct rate is calculated at 20.04% of personnel and fringe costs.

Other

	Federal	Non Federal	Total
Professional, Services-Technical, and Assistance.	\$26,000	\$0	\$26,000
Totals:	\$26,000	\$0	\$26,000

Task: Education & Outreach

Task ID: 306-3

Personnel

Title	Rate	Salary		Fringe		Total
		Federal	NonFederal	Federal	NonFederal	
098843 Manager 1	50.75%	\$2,000	\$2,000	\$1,015	\$1,015	\$6,030
656650 SES	50.75%	\$4,000	\$2,000	\$2,030	\$1,015	\$9,045
084197 RS 1	50.75%	\$1,000	\$1,000	\$508	\$508	\$3,016
649136 Env Specialist 2	50.75%	\$2,000	\$3,000	\$1,015	\$1,523	\$7,538
654414 Sect Chief	50.75%	\$3,240	\$3,000	\$1,644	\$1,523	\$9,407
93576 Env Specialist 3	50.75%	\$3,345	\$3,000	\$1,698	\$1,523	\$9,566
083623 RS 3	50.75%	\$8,000	\$4,000	\$4,060	\$2,030	\$18,090
083120 Env Specialist 4	50.75%	\$0	\$1,000	\$0	\$508	\$1,508
09486 Env Specialist 3	50.75%	\$6,011	\$3,000	\$3,051	\$1,523	\$13,585
654750 Env Specialist 2	50.75%	\$0	\$2,000	\$0	\$1,015	\$3,015
651239 Env Specialist 3	50.75%	\$0	\$3,000	\$0	\$1,523	\$4,523
Totals:		\$29,596	\$27,000	\$15,021	\$13,706	\$85,323

Rate Explanation

50.7500 This rate is composed of pension, health benefits, workers compensation, unemployment insurance, temporary disability insurance, unused sick leave, and Medicare.

Travel Items

Trip: Travel In-State. Various locations within NJ and surrounding area - PA, NY, DE.

Purpose

The state of New Jersey reimburses individuals using their personal vehicle or incurring other travel expenses - train, bus, tolls - in the conduct of official business.

Basis

The state of New Jersey reimburses individuals using their personal vehicle or incurring other travel expenses - train, bus, tolls - registration fees associated with the conduct of official business - meeting with public officials, other agencies, attendance at meetings, seminars, conferences, work

Travel Location: In-State

Trip Summary

Federal:	\$1,000
Non-Federal:	\$0
Total:	\$1,000

Contractual

Contract: NJ Clean Marina Program

Description of work to be Performed: NJDEP contracts with the NJ SeaGrant Consortium to implement the Marina Outreach and Technical Assistance Program developed as part of NJ's Clean Marina Program. The contract services will include workshop/training events, replenishment of Clean Marina Program materials, technical assistance to marinas, the Clean Marina newsletter, and a survey to gauge the benefits of the Clean Marina Program.

Explanation for Non detailed budget: It is necessary to secure federal funds before a contract and specific scope of work can be developed. An outline for the project is provided within the grant task description - detailed needs for the contractor will be identified and provided to NOAA once the award is made.

	Federal	Non Federal	Total
Total:	\$25,000	\$0	\$25,000

Indirect

Name	Federal	Non Federal	Total
Indirect Budget Item	\$8,941	\$8,157	\$17,098

Rate	Basis
The in-direct rate is calculated at 20.04% of personnel and fringe costs.	The in-direct rate is calculated at 20.04% of personnel and fringe costs.

Other

	Federal	Non Federal	Total
Coastal training programs – Technical –web development – Technical assistance	\$8,000	\$0	\$8,000
Totals:	\$8,000	\$0	\$8,000

Task: Policy Refinement

Task ID: 306-4

Personnel

Title	Rate	Salary		Fringe		Total
		Federal	NonFederal	Federal	NonFederal	
098843 Manager 1	50.75%	\$2,000	\$4,000	\$1,015	\$2,030	\$9,045
656650 SES	50.75%	\$3,000	\$4,000	\$1,523	\$2,030	\$10,553
096653 RS 1	50.75%	\$5,000	\$2,000	\$2,538	\$1,015	\$10,553
084197 RS 1	50.75%	\$5,000	\$4,000	\$2,538	\$2,030	\$13,568
654414 Sect Chief	50.75%	\$4,860	\$4,000	\$2,466	\$2,030	\$13,356
93576 Env Specialist 3	50.75%	\$3,345	\$3,000	\$1,698	\$1,523	\$9,566
95550 Env Specialist 3	50.75%	\$0	\$5,000	\$0	\$2,538	\$7,538
083623 RS 3	50.75%	\$0	\$2,000	\$0	\$1,015	\$3,015
083120 Env Specialist 4	50.75%	\$10,000	\$4,000	\$5,075	\$2,030	\$21,105
09486 Env Specialist 3	50.75%	\$6,011	\$2,000	\$3,051	\$1,015	\$12,077
654750 Env Specialist 2	50.75%	\$0	\$2,000	\$0	\$1,015	\$3,015
651239 Env Specialist 3	50.75%	\$0	\$3,000	\$0	\$1,523	\$4,523
Totals:		\$39,216	\$39,000	\$19,904	\$19,794	\$117,914

Rate Explanation

50.7500 This rate is composed of pension, health benefits, workers compensation, unemployment insurance, temporary disability insurance, unused sick leave, and Medicare.

Supplies

Name	Federal	Non Federal	Total
Supplies Budget Item	\$5,000	\$0	\$5,000

Basis for Supplies Estimate: Office, printing supplies and computer.

Indirect

Name	Federal	Non Federal	Total
Indirect Budget Item	\$11,847	\$11,681	\$23,528

Rate Basis

The in-direct rate is calculated at 20.04% of personnel and fringe costs. The in-direct rate is calculated at 20.04% of personnel and fringe costs.

#New Jersey CZM: AwardNWJCZM2014 10/1/2014 to 3/31/2016

Other

	Federal	Non Federal	Total
Court reporters- Data assessment and analysis	\$2,000	\$0	\$2,000
Totals:	\$2,000	\$0	\$2,000

Task: Coastal Planning

Task ID: 306-5

Personnel

Title	Rate	Salary		Fringe		Total
		Federal	NonFederal	Federal	NonFederal	
098843 Manager 1	50.75%	\$7,000	\$4,000	\$3,553	\$2,030	\$16,583
656650 SES	50.75%	\$3,000	\$5,000	\$1,523	\$2,538	\$12,061
096653 RS 1	50.75%	\$5,000	\$8,000	\$2,538	\$4,060	\$19,598
084197 RS 1	50.75%	\$5,000	\$10,000	\$2,538	\$5,075	\$22,613
649136 Env Specialist 2	50.75%	\$16,000	\$5,000	\$8,120	\$2,538	\$31,658
654414 Sect Chief	50.75%	\$4,860	\$5,000	\$2,466	\$2,538	\$14,864
93576 Env Specialist 3	50.75%	\$6,000	\$1,905	\$3,045	\$967	\$11,917
083623 RS 3	50.75%	\$6,000	\$5,000	\$3,045	\$2,538	\$16,583
083120 Env Specialist 4	50.75%	\$10,000	\$8,000	\$5,075	\$4,060	\$27,135
09486 Env Specialist 3	50.75%	\$10,000	\$8,000	\$5,075	\$4,060	\$27,135
654750 Env Specialist 2	50.75%	\$0	\$3,000	\$0	\$1,523	\$4,523
651239 Env Specialist 3	50.75%	\$0	\$6,000	\$0	\$3,045	\$9,045
Totals:		\$72,860	\$68,905	\$36,978	\$34,972	\$213,715

Rate Explanation

- 50.7500 This rate is composed of pension, health benefits, workers compensation, unemployment insurance, temporary disability insurance, unused sick leave, and Medicare.

Travel Items

Trip: Travel In-State. Various locations within NJ and surrounding area - PA, NY, DE.

Purpose

The state of New Jersey reimburses individuals using their personal vehicle or incurring other travel expenses - train, bus, tolls - in the conduct of official business.

Basis

The state of New Jersey reimburses individuals using their personal vehicle or incurring other travel expenses - train, bus, tolls - registration fees associated with the conduct of official business - meeting with public officials, other agencies, attendance at meetings, seminars, conferences, work

Travel Location: In-State

Trip Summary

Federal:	\$2,000
Non-Federal:	\$0
Total:	\$2,000

Supplies

Name	Federal	Non Federal	Total
Supplies Budget Item	\$4,000	\$0	\$4,000

Basis for Supplies Estimate: Office, printing supplies and computer.

Contractual

Contract: Municipal Public Access Planning Grant Program

Description of work to be Performed: NJDEP will continue to implement the Municipal Public Access Planning and Coastal Vulnerability Assessment Grant Program. This 3rd round of the grant program will provide small grants to approximately 10 coastal municipalities of up to \$25,000 to help incentivize development of Municipal Public Access Plans, as well as development of Municipal Coastal Vulnerability Assessment Reports.

Explanation for Non detailed budget: It is necessary to secure federal funds before a contract and specific scope of work can be developed. An outline for the project is provided within the grant task description - detailed needs for the contractor will be identified and provided to NOAA once the award is made.

	Federal	Non Federal	Total
Total:	\$200,000	\$0	\$200,000

Contract: Resilient Coastal Communities Support

Description of work to be Performed: In the wake of Superstorm Sandy and the increased likelihood of more frequent and intense coastal storms, NJ's coastal communities need assistance with resiliency planning. DCLUP intends to contract with its coastal partners to supplement, expand, and coordinate DCLUP's community resiliency planning with similar ongoing efforts. This contract may include development of coastal vulnerability assessments, and identification and implementation of strategies to address those vulnerabilities.

Explanation for Non detailed budget: It is necessary to secure federal funds before a contract and specific scope of work can be developed. An outline for the project is provided within the grant task description - detailed needs for the contractor will be identified and provided to NOAA once the award is made.

	Federal	Non Federal	Total
Total:	\$46,370	\$0	\$46,370

Indirect

Name	Federal	Non Federal	Total
Indirect Budget Item	\$22,011	\$21,450	\$43,461

Rate

The in-direct rate is calculated at 20.04% of personnel and fringe costs.

Basis

The in-direct rate is calculated at 20.04% of personnel and fringe costs.

Task: Coastal Permitting

Task ID: 306-6

Personnel

Title	Rate	Salary		Fringe		Total
		Federal	NonFederal	Federal	NonFederal	
083105 Section Chief	50.75%	\$90,000	\$13,881	\$45,675	\$7,045	\$156,601
101619 Manager 4	50.75%	\$75,947	\$15,000	\$38,543	\$7,613	\$137,103
081355 Env Specialist 4	50.75%	\$0	\$70,000	\$0	\$35,525	\$105,525
083108 Env Specialist 2	50.75%	\$47,850	\$20,000	\$24,284	\$10,150	\$102,284
083146 Env Specialist 3	50.75%	\$0	\$55,000	\$0	\$27,913	\$82,913
657159 Env Specialist 4	50.75%	\$10,000	\$20,000	\$5,075	\$10,150	\$45,225
084067 Env Specialist 4	50.75%	\$0	\$70,000	\$0	\$35,525	\$105,525
084086 Senior Geologist	50.75%	\$0	\$60,000	\$0	\$30,450	\$90,450
650305 Env Specialist 2	50.75%	\$33,750	\$30,000	\$17,128	\$15,225	\$96,103
084161 Env Specialist 1	50.75%	\$28,660	\$28,000	\$14,545	\$14,210	\$85,415
95238 Env Specialist 3	50.75%	\$63,850	\$20,000	\$32,404	\$10,150	\$126,404
96345 Env Specialist 3	50.75%	\$28,660	\$25,000	\$14,545	\$12,688	\$80,893
099374 Env Specialist 4	50.75%	\$10,000	\$15,000	\$5,075	\$7,613	\$37,688
648896 Env Specialist 4	50.75%	\$0	\$50,000	\$0	\$25,375	\$75,375
084378 Env Engineer 4	50.75%	\$10,000	\$20,000	\$5,075	\$10,150	\$45,225
083123 Env Specialist 4	50.75%	\$50,000	\$20,000	\$25,375	\$10,150	\$105,525
656816 Env Specialist 3	50.75%	\$0	\$64,238	\$0	\$32,601	\$96,839
957611 Env Specialist 3	50.75%	\$0	\$20,000	\$0	\$10,150	\$30,150
Totals:		\$448,717	\$616,119	\$227,724	\$312,683	\$1,605,243

Rate Explanation

50.7500 This rate is composed of pension, health benefits, workers compensation, unemployment insurance, temporary disability insurance, unused sick leave, and Medicare.

Supplies

Name	Federal	Non Federal	Total
Supplies Budget Item	\$2,000	\$0	\$2,000

Basis for Supplies Estimate: Field supplies

Indirect

Name	Federal	Non Federal	Total
Indirect Budget Item	\$135,559	\$208,859	\$344,418

Rate Basis

The in-direct rate is calculated at 20.04% of personnel and fringe costs.

Task: Coastal Permit Monitoring, Compliance & Enforcement

Task ID: 306-7

Personnel

Title	Rate	Salary		Fringe		Total
		Federal	NonFederal	Federal	NonFederal	
657103 Env Specialist 3	50.75%	\$0	\$72,094	\$0	\$36,588	\$108,682
650628 Env Specialist 3	50.75%	\$51,650	\$44,360	\$26,212	\$22,513	\$144,735
650629 Env Specialist 3	50.75%	\$55,651	\$24,972	\$28,243	\$12,673	\$121,539
654753 Env Specialist 3	50.75%	\$57,550	\$28,760	\$29,207	\$14,596	\$130,113
654312 Env Specialist 4	50.75%	\$45,550	\$47,170	\$23,117	\$23,939	\$139,776
654752 Env Specialist 3	50.75%	\$42,808	\$43,502	\$21,725	\$22,077	\$130,112
651120 Env Specialist 3	50.75%	\$34,700	\$29,055	\$17,610	\$14,745	\$96,110
Totals:		\$287,909	\$289,913	\$146,114	\$147,131	\$871,067

Rate Explanation

50.7500 This rate is composed of pension, health benefits, workers compensation, unemployment insurance, temporary disability insurance, unused sick leave, and Medicare.

Indirect

Name	Federal	Non Federal	Total
Indirect Budget Item	\$86,978	\$87,584	\$174,562
Rate	Basis		
The in-direct rate is calculated at 20.04% of personnel and fringe costs.	The in-direct rate is calculated at 20.04% of personnel and fringe costs.		

Task: Coastal & Marine Spatial Planning

Task ID: 309-1

Personnel

Title	Rate	Salary		Fringe		Total
		Federal	NonFederal	Federal	NonFederal	
656650 SES	50.75%	\$5,000	\$0	\$2,538	\$0	\$7,538
93576 Env Specialist 3	50.75%	\$30,000	\$0	\$15,225	\$0	\$45,225
09486 Env Specialist 3	50.75%	\$3,000	\$0	\$1,523	\$0	\$4,523
Totals:		\$38,000	\$0	\$19,286	\$0	\$57,286

Rate	Explanation
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- 50.7500 This rate is composed of pension, health benefits, workers compensation, unemployment insurance, temporary disability insurance, unused sick leave, and Medicare.

Travel Items

Trip: Travel In-State. Various locations within NJ and surrounding area - PA, NY, DE.

Purpose

The state of New Jersey reimburses individuals using their personal vehicle or incurring other travel expenses - train, bus, tolls - in the conduct of official business.

Basis

The state of New Jersey reimburses individuals using their personal vehicle or incurring other travel expenses - train, bus, tolls - registration fees associated with the conduct of official business - meeting with public officials, other agencies, attendance at meetings, seminars, conferences, work

Travel Location: In-State

Trip Summary

Federal:	\$1,000
Non-Federal:	\$0
Total:	\$1,000

Supplies

Name	Federal	Non Federal	Total
Supplies Budget Item	\$1,000	\$0	\$1,000

Basis for Supplies Estimate: Office, printing supplies and computer.

Contractual

Contract: Participatory GIS

Description of work to be Performed: pGIS efforts will require facilitation of meetings, as well as capturing the GIS data, and notes during the meeting process. Workload priorities of the NJCMP preclude it from taking on a lengthy labor intensive data processing projects and the program may need assistance in facilitation of meeting or GIS capture. These contract funds would allow for engaging our partners to more efficiently manage and host meetings.

Explanation for Non detailed budget: It is necessary to secure federal funds before a contract and specific scope of work can be developed. An outline for the project is provided within the grant task description - detailed needs for the contractor will be identified and provided to NOAA once the award is made.

	Federal	Non Federal	Total
Total:	\$5,000	\$0	\$5,000

Indirect

Name	Federal	Non Federal	Total
Indirect Budget Item	\$11,480	\$0	\$11,480

Rate

The in-direct rate is calculated at 20.04% of personnel and fringe costs.

Basis

The in-direct rate is calculated at 20.04% of personnel and fringe costs.

Task: Wetlands/Living Shorelines Adaptation

Task ID: 309-2

Personnel

Title	Rate	Salary		Fringe		Total
		Federal	NonFederal	Federal	NonFederal	
098843 Manager 1	50.75%	\$2,000	\$0	\$1,015	\$0	\$3,015
656650 SES	50.75%	\$1,000	\$0	\$508	\$0	\$1,508
084197 RS 1	50.75%	\$2,000	\$0	\$1,015	\$0	\$3,015
654414 Sect Chief	50.75%	\$10,000	\$0	\$5,075	\$0	\$15,075
Totals:		\$15,000	\$0	\$7,613	\$0	\$22,613

Rate	Explanation
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50.7500 This rate is composed of pension, health benefits, workers compensation, unemployment insurance, temporary disability insurance, unused sick leave, and Medicare.

Travel Items

Trip: Travel In-State. Various locations within NJ and surrounding area - PA, NY, DE.

Purpose

The state of New Jersey reimburses individuals using their personal vehicle or incurring other travel expenses - train, bus, tolls - in the conduct of official business.

Basis

The state of New Jersey reimburses individuals using their personal vehicle or incurring other travel expenses - train, bus, tolls - registration fees associated with the conduct of official business - meeting with public officials, other agencies, attendance at meetings, seminars, conferences, work

Travel Location: In-State

Trip Summary

Federal:	\$500
Non-Federal:	\$0
Total:	\$500

Supplies

Name	Federal	Non Federal	Total
Supplies Budget Item	\$1,000	\$0	\$1,000

Basis for Supplies Estimate: Office, printing supplies and computer.

Contractual

Contract: Living Shorelines Strategic Direction Implementation

Description of work to be Performed: Contractual services are necessary to continue implementation of the NJDEP Living Shorelines Strategic Direction including establishment of a program website that centralizes technical and policy information on living shorelines, creation of a citizen monitoring program for living shorelines projects that raises awareness and provide meaningful information on living shoreline projects, and analysis of data collected during this grant period to inform Coastal Policy and regulations that more effectively promote, design and construct truly resilient living shorelines and wetland areas. It is anticipated that some of these needs may be met through grants applied for by NJDEP and our coastal partners.

Explanation for Non detailed budget: It is necessary to secure federal funds before a contract and specific scope of work can be developed. An outline for the project is provided within the grant task description - detailed needs for the contractor will be identified and provided to NOAA once the award is made.

	Federal	Non Federal	Total
Total:	\$10,000	\$0	\$10,000

Indirect

Name	Federal	Non Federal	Total
Indirect Budget Item	\$4,532	\$0	\$4,532

Rate Basis

The in-direct rate is calculated at 20.04% of personnel and fringe costs.

The in-direct rate is calculated at 20.04% of personnel and fringe costs.

Other

	Federal	Non Federal	Total
Professional, Services-Technical, and Assistance.	\$500	\$0	\$500
Totals:	\$500	\$0	\$500

Task: Cumulative & Secondary Impacts

Task ID: 309-3

Personnel

Title	Rate	Salary		Fringe		Total
		Federal	NonFederal	Federal	NonFederal	
098843 Manager 1	50.75%	\$5,000	\$0	\$2,538	\$0	\$7,538
656650 SES	50.75%	\$2,000	\$0	\$1,015	\$0	\$3,015
096653 RS 1	50.75%	\$5,000	\$0	\$2,538	\$0	\$7,538
084197 RS 1	50.75%	\$8,000	\$0	\$4,060	\$0	\$12,060
649136 Env Specialist 2	50.75%	\$5,000	\$0	\$2,538	\$0	\$7,538
654414 Sect Chief	50.75%	\$3,000	\$0	\$1,523	\$0	\$4,523
93576 Env Specialist 3	50.75%	\$8,000	\$0	\$4,060	\$0	\$12,060
083623 RS 3	50.75%	\$5,000	\$0	\$2,538	\$0	\$7,538
083120 Env Specialist 4	50.75%	\$7,000	\$0	\$3,553	\$0	\$10,553
09486 Env Specialist 3	50.75%	\$6,000	\$0	\$3,045	\$0	\$9,045
Totals:		\$54,000	\$0	\$27,408	\$0	\$81,408

Rate Explanation

50.7500 This rate is composed of pension, health benefits, workers compensation, unemployment insurance, temporary disability insurance, unused sick leave, and Medicare.

Travel Items

Trip: Travel In-State. Various locations within NJ and surrounding area - PA, NY, DE.

Purpose

The state of New Jersey reimburses individuals using their personal vehicle or incurring other travel expenses - train, bus, tolls - in the conduct of official business.

Basis

The state of New Jersey reimburses individuals using their personal vehicle or incurring other travel expenses - train, bus, tolls - registration fees associated with the conduct of official business - meeting with public officials, other agencies, attendance at meetings, seminars, conferences, work

Travel Location: In-State

Trip Summary

Federal:	\$500
Non-Federal:	\$0
Total:	\$500

Supplies

Name	Federal	Non Federal	Total
Supplies Budget Item	\$2,000	\$0	\$2,000

Basis for Supplies Estimate: Office, printing supplies and computer.

Contractual

Contract: Coastal Planning Area & Center Designation Process

Description of work to be Performed: NJDEP will be evaluating both short- and long-term options to address the expiration of coastal centers and development of a process to establish sustainable growth centers in the coastal zone. To that end, NJDEP will seek stakeholder input for the identification and development of these options. NJDEP will seek to contract with a professional or State University to assist in the development of criteria for sustainable coastal centers and facilitation of stakeholder meetings.

Explanation for Non detailed budget: It is necessary to secure federal funds before a Request for Proposal can be let for this task outcome. An outline for the project is provided within the grant task description. Detailed needs for the contractor will be identified and provided to NOAA once the award is made.

	Federal	Non Federal	Total
Total:	\$29,000	\$0	\$29,000

Indirect

Name	Federal	Non Federal	Total
Indirect Budget Item	\$16,314	\$0	\$16,314

Rate Basis

The in-direct rate is calculated at 20.04% of personnel and fringe costs.

The in-direct rate is calculated at 20.04% of personnel and fringe costs.

Other

	Federal	Non Federal	Total
Technical	\$1,000	\$0	\$1,000
Totals:	\$1,000	\$0	\$1,000

Task: Coastal Hazards

Task ID: 309-4

Personnel

Title	Rate	Salary		Fringe		Total
		Federal	NonFederal	Federal	NonFederal	
098843 Manager 1	50.75%	\$9,000	\$0	\$4,568	\$0	\$13,568
656650 SES	50.75%	\$5,000	\$0	\$2,538	\$0	\$7,538
096653 RS 1	50.75%	\$5,000	\$0	\$2,538	\$0	\$7,538
084197 RS 1	50.75%	\$20,000	\$0	\$10,150	\$0	\$30,150
649136 Env Specialist 2	50.75%	\$8,000	\$0	\$4,060	\$0	\$12,060
654414 Sect Chief	50.75%	\$3,000	\$0	\$1,523	\$0	\$4,523
93576 Env Specialist 3	50.75%	\$8,000	\$0	\$4,060	\$0	\$12,060
083623 RS 3	50.75%	\$5,000	\$0	\$2,538	\$0	\$7,538
083120 Env Specialist 4	50.75%	\$7,000	\$0	\$3,553	\$0	\$10,553
09486 Env Specialist 3	50.75%	\$6,000	\$0	\$3,045	\$0	\$9,045
Totals:		\$76,000	\$0	\$38,573	\$0	\$114,573

Rate Explanation

50.7500 This rate is composed of pension, health benefits, workers compensation, unemployment insurance, temporary disability insurance, unused sick leave, and Medicare.

Travel Items

Trip: Travel In-State. Various locations within NJ and surrounding area - PA, NY, DE.

Purpose

The state of New Jersey reimburses individuals using their personal vehicle or incurring other travel expenses - train, bus, tolls - in the conduct of official business.

Basis

The state of New Jersey reimburses individuals using their personal vehicle or incurring other travel expenses - train, bus, tolls - registration fees associated with the conduct of official business - meeting with public officials, other agencies, attendance at meetings, seminars, conferences, work

Travel Location: In-State

Trip Summary

Federal:	\$1,000
Non-Federal:	\$0
Total:	\$1,000

Supplies

Name	Federal	Non Federal	Total
Supplies Budget Item	\$4,000	\$0	\$4,000

Basis for Supplies Estimate: Office, printing supplies and computer.

Contractual

Contract: Resiliency Planning Tool Development

Description of work to be Performed: The NJCMP, in cooperation with its coastal partners, has previously developed tools (CCVAMP, CVI, GTR) to assist coastal communities plan for the impacts of coastal hazards. NJCMP will continue to develop and improve those tools, utilizing input from coastal communities and building off of additional tools developed through the NJ RCCI CRest grant. In particular, NJCMP will contract with coastal partners and necessary technical consultants to link the various planning tools to result in a "networked" tool that expands the capacity and improves the outputs of the current tools.

Explanation for Non detailed budget: It is necessary to secure federal funds before a contract and specific scope of work can be developed. An outline for the project is provided within the grant task description - detailed needs for the contractor will be identified and provided to NOAA once the award is made.

	Federal	Non Federal	Total
Total:	\$101,334	\$0	\$101,334

Indirect

Name	Federal	Non Federal	Total
Indirect Budget Item	\$22,960	\$0	\$22,960

Rate

The in-direct rate is calculated at 20.04% of personnel and fringe costs.

Basis

The in-direct rate is calculated at 20.04% of personnel and fringe costs.

Other

	Federal	Non Federal	Total
Technical	\$5,000	\$0	\$5,000
Totals:	\$5,000	\$0	\$5,000