Element 1: Standard Form-424

All applicants requesting direct funding must submit the Standard Form, SF-424, "Application for Federal Assistance," to indicate the total amount of funding proposed for their institution for the whole project period.

The form is on the next three pages. A fillable version of this form and the form instructions may be downloaded from: http://www.grants.gov/web/grants/forms/sf-424-family.html.

Element 1: Standard Form-424

OMB Number: 4040-0004
Expiration Date: 12/31/2019

Application for Federal Assistance SF-424

* 1. Type of Submission:
  - [ ] Preapplication
  - [ ] Application
  - [ ] Changed/Corrected Application

* 2. Type of Application:
  - [ ] New
  - [ ] Continuation
  - [ ] Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received:

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name:

* b. Employer/Taxpayer Identification Number (EIN/TIN):

* c. Organizational DUNS:

d. Address:

* Street1:

Street2:

* City:

County/Parish:

* State:

Province:

* Country: USA: UNITED STATES

* Zip / Postal Code:

e. Organizational Unit:

Department Name:

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:

* First Name:

Middle Name:

* Last Name:

Suffix:

Title:

Organizational Affiliation:

* Telephone Number:

Fax Number:

* Email:

Application for Federal Assistance SF-424

*** 9. Type of Applicant 1: Select Applicant Type:**

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

11. Catalog of Federal Domestic Assistance Number:

CFDA Title:

*** 12. Funding Opportunity Number:**

* Title:

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment | Delete Attachment | View Attachment

*** 15. Descriptive Title of Applicant's Project:**

Attach supporting documents as specified in agency instructions.

Add Attachments | Delete Attachments | View Attachments

Application for Federal Assistance SF-424

16. Congressional Districts Of:

* a. Applicant ____ * b. Program/Project ____

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment | Delete Attachment | View Attachment

17. Proposed Project:

* a. Start Date: ____ * b. End Date: ____

18. Estimated Funding ($):

* a. Federal	
* b. Applicant	
* c. State	
* d. Local	
* e. Other	
* f. Program Income	
* g. TOTAL	

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

☐ a. This application was made available to the State under the Executive Order 12372 Process for review on ____.

☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.

☐ c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**

☐ Yes ☐ No

If "Yes", provide explanation and attach

Add Attachment | Delete Attachment | View Attachment

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☐ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: ____ * First Name: ____

Middle Name: ____

* Last Name: ____

Suffix: ____

* Title: ____

* Telephone Number: ____ Fax Number: ____

* Email: ____

* Signature of Authorized Representative: ____ * Date Signed: ____

Element 2: Summary Title Page (one page maximum)

The summary title page includes, in order:

- Project title
- Lead investigator's name, affiliation, complete address, phone number, and email address
- Requested funding amounts for each fiscal year with and without ship funding

NOTE: Applicants may suggest merit reviewers on a page after the summary title page.

Element 3: One-page Abstract (one page maximum)

The abstract should appear on a separate single page, headed with the application title, institution(s), investigator(s), total proposed cost (including shiptime, if any), and budget period.

Budget period refers to the period of time when federal funding is available for obligation by the recipient. The budget period must always be specified in multi-year awards. A budget period is typically 12 months.

The abstract shall include an introduction of the resource management issue(s), rationale, project objectives or hypotheses to be tested, and a brief summary of work to be completed. Please also list the area(s) of emphasis the application plans to address.

The abstract should be written in the third person.

Element 4: Project Narrative (maximum of 12 pages)

The project narrative should thoroughly describe the project and clearly indicate the project's relevance to the program priority described in the funding announcement (see Section I.B.).

Specifically, it should:

a) Identify which area(s) of emphasis the application intends to address.

b) Describe the project's goals and objectives and the methods to accomplish them, including a rationale and overview of how the project will leverage or build upon existing datasets or generate new datasets to address the proposed resource management issue(s). Incorporate required information for National Environmental Policy Act (NEPA; see Section VI.B.(6)) considerations into this section as appropriate.

c) Identify the project's end user(s) and describe how applicable and useable the findings and products of the proposed project will be for them and the broader Gulf of Mexico resource management, science, and stakeholder communities.

d) Identify the role(s) of each investigator, including a designated lead investigator, and all project collaborators

Element 5: Decadal Plan (maximum of 2 pages)

The decadal plan (*i.e.*, 10 years) should provide:

a) A rationale for why the resource management issue(s) to be addressed by the application requires a decade of research and investment;

b) How the applicant(s) will engage the resource management community throughout the 10 years and how they should benefit from the findings and products from the research;

c) How the work accomplished in the first five years will generate hypotheses and inform the need for continued support in a subsequent five year period; and

d) An overview of the work planned for a subsequent five years that would complement and build upon the work proposed in the project narrative for the initial five years.

Element 6: Data Management Plan (maximum of 2 pages)

The data management plan should describe how metadata and data collected as part of the proposed project would be disseminated to the broader community, and plans for long-term archiving of these data.

A typical plan should include:

a) Descriptions of the types of environmental data and information expected to be created during the course of the project;

b) The tentative date by which data will be shared;

c) The standards to be used for data/metadata format and content;

d) Methods for providing data access;

e) Approximate total volume of data to be collected; and

f) Prior experience in making such data accessible.

The Science Program will not offer specific technical guidance; however, use of open-standard formats and methods is encouraged.

Accepted submission of data to the NOAA National Centers for Environmental Information (NCEI) is one way to satisfy data sharing requirements; however, NCEI is not obligated to accept all submissions and may charge a fee, particularly for large or unusual datasets. Applicants that propose to collaborate with data centers or networks, except the NCEI, are advised to obtain letters of commitment that affirm the collaboration. Where possible, all applicants are strongly encouraged to use existing data centers and data portals to archive and disseminate their data.

Costs associated with use of data centers, except for NCEI, or data archiving may be included in the application budget (see Element 13).

Refer to Section VIII.A. in the funding announcement for specific Data Management Guidance.

Element 7: References Cited

Each reference must include the names of all authors in the same sequence they appear in the publication, the article title, volume number, page numbers, and year of publication.

This section should include bibliographic citations only and should not be used to provide parenthetical information outside of the 12-page project narrative.

Element 8: Milestone Chart

As shown in the partial example on the next page, provide the anticipated timelines of major tasks, including data management deliverables, associated with the proposed project.

An example milestone chart that includes a template may be found at https://restoreactscienceprogram.noaa.gov/resources. Applicants are encouraged to use this template.

Element 8: Example Milestone Chart

Milestone	Task	Task Category	Task Start Date	Task Completion Date	Q3	Q4			Q1			Q2			Q3		
					J	J	A	S	O	N	D	J	F	M	A	M	J
					6/1/17	7/1/17	8/1/17	9/1/17	10/1/17	11/1/17	12/1/17	1/1/18	2/1/18	3/1/18	4/1/18	5/1/18	6/1/18
					6/30/17	7/31/17	8/31/17	9/30/17	10/31/17	11/30/17	12/31/17	1/31/18	2/28/18	3/31/18	4/30/18	5/31/18	6/30/18
Milestone 1: Field Data					-	-	-	-	-	-	-	-	-	-	-	-	-
	Expedition #1: Pre-Expedition Preparation	Cruise	6/1/17	6/30/17													
	Expedition #1: Full Depth Cruise	Cruise	7/1/17	7/31/17													
	Expedition #2: Pre-Expedition Preparation	Cruise	6/1/17	7/31/17													
	Expedition #2: Mesophotic Cruise 1	Cruise	10/1/17	10/31/17													
	Expedition #3: Pre-Expedition Preparation	Cruise	2/1/18	5/31/18													
	Expedition #3: Mesophotic Cruise 2	Cruise	6/1/18	6/30/18													
Milestone 2: Field Data Processing					-	-	-	-	-	-	-	-	-	-	-	-	-
	Voucher specimens curation	Data Processing	8/1/17	7/31/18													
	DNA extractions	Data Processing	9/1/17	7/31/18													
	DNA barcoding	Data Processing	9/1/17	9/30/18													
	Publication of DNA barcoding data on GenBank	Data Managemen	1/1/18	11/30/18													
	RAD Sequencing Contracting	Admin	9/1/17	7/31/18													
	RAD Sequencing	Data Processing	10/1/17	11/30/18													
	RADseq data QAQC and filtering	Data Processing	3/1/18	12/31/18													
	RAD loci clustering and SNP calling	Data Processing	5/1/18	1/31/19													
	Completion of Eulerian integrations for 2014-2016	Data Processing	6/1/17	6/30/18													
Milestone 3: Data Interpretation					-	-	-	-	-	-	-	-	-	-	-	-	-
	Analyses of spatial population genetic structuring	Data Analysis	7/1/18	2/28/19													
	Analyses of genetic connectivity rate and directionality	Data Analysis	9/1/18	3/31/19													
	Integration of population genetic and modeling data	Modeling	5/1/18	5/31/19													
	Larval Dispersal modeling	Modeling	1/1/18	12/31/18													
Milestone 4: Publications					-	-	-	-	-	-	-	-	-	-	-	-	-
	Cruise Reports	Publication	9/1/17	7/31/18													
	Dissemination of cruise metadata	Data Managemen	9/1/17	8/31/18													
	Completion of peer-reviewed publications	Publication	1/1/19	5/31/19													
Milestone 5: Outreach					-	-	-	-	-	-	-	-	-	-	-	-	-
	Reports to managers	Presentations	11/1/17	5/31/19													
	Scientific Meeting	Presentations	2/1/19	2/28/19													
	End of Project workshop	Workshop	5/1/19	5/31/19													
Milestone 6: Reporting					-	-	-	-	-	-	-	-	-	-	-	-	-
	Progress reports	Data Managemen	11/1/17	5/31/19													
	Final Report	Data Managemen	1/1/19	5/31/19													
	Archive annotated video frames at DSCRTP w/in 6 mo	Data Managemen	1/1/18	12/31/18													
	Archive coral specimens at NOAA/Harvey Mudd/Smith	Data Managemen	7/1/18	6/30/19													
	Archive CTD data at NCEI within 1 year from collectio	Data Managemen	7/1/18	6/30/19													
	Archive video at NCEI at end of project	Data Managemen	1/1/19	5/31/19													
	Archive genetic data at NCBI/Dryad at time of publicat	Data Managemen	5/1/19	5/31/20													
	Archive model output at NCEI at time of publication	Data Managemen	5/1/19	5/31/20													
Meetings					-	-	-	-	-	-	-	-	-	-	-	-	-
	Mid-Project PI meeting	Meetings	4/1/18	4/30/18													
	Annual meeting with technical monitors	Meetings	4/1/18	11/30/18													
	Conference calls with technical monitors	Meetings	6/1/17	5/31/19													

Element 9: Biographical Sketch (maximum of two pages per person)

The lead investigator and co-investigators must each provide a summary of up to two pages that include the following:

a) A listing of professional and academic credentials and mailing address;

b) A list of up to five publications most closely related to the proposed project and five other significant publications (additional lists of publications, lectures, etc. should not be included); and

c) A list of up to five archived datasets most closely related to the proposed project and five other significant archived datasets.

Element 10: Current and Pending Support

Using the form on the next page, describe all current and pending financial/funding support (*e.g.*, federal, state, not-for-profit, industry), including continuing grants, for the lead investigator and co-investigators, including unfunded collaborators making a substantial contribution to the research.

The capability of the investigator and collaborators to complete the proposed work in light of present commitments to other projects should be addressed. Therefore, please discuss the percentage of time investigators and collaborators have devoted to other federal or non-federal projects, as compared to the time that will be devoted to the project solicited under this notice.

A fillable version of the Current and Pending Support form is available at this link: https://coastalscience.noaa.gov/about/funding-opportunities/application-forms/.

You must respond to the requirement whether or not you have any current and/or pending support.

CURRENT AND PENDING SUPPORT FORM

OMB Approval: 0648-0384
Expiration Date: 12/31/2019

The following information must be provided for each investigator and other senior personnel. Failure to provide this information may delay consideration of this proposal.

Investigator: ☐

Other agencies to which this proposal has been/will be submitted: ☐

Support: ☐ Current ☐ Pending ☐ Submission Planned in Near Future ☐ *Transfer of Support

Project/Proposal Title: ☐

Source of Support: ☐

Total Award Amount: $ ☐ Total Award Period Covered: ☐

Location of Project: ☐

Months of Your Time Committed to the Project: FY17 ☐ FY18 ☐ FY19 ☐ FY20 ☐ Total: ☐

Support: ☐ Current ☐ Pending ☐ Submission Planned in Near Future ☐ *Transfer of Support

Project/Proposal Title: ☐

Source of Support: ☐

Total Award Amount: $ ☐ Total Award Period Covered: ☐

Location of Project: ☐

Months of Your Time Committed to the Project: FY17 ☐ FY18 ☐ FY19 ☐ FY20 ☐ Total: ☐

Support: ☐ Current ☐ Pending ☐ Submission Planned in Near Future ☐ *Transfer of Support

Project/Proposal Title: ☐

Source of Support: ☐

Total Award Amount: $ ☐ Total Award Period Covered: ☐

Location of Project: ☐

Months of Your Time Committed to the Project: FY17 ☐ FY18 ☐ FY19 ☐ FY20 ☐ Total: ☐

Support: ☐ Current ☐ Pending ☐ Submission Planned in Near Future ☐ *Transfer of Support

Project/Proposal Title: ☐

Source of Support: ☐

Total Award Amount: $ ☐ Total Award Period Covered: ☐

Location of Project: ☐

Months of Your Time Committed to the Project: FY17 ☐ FY18 ☐ FY19 ☐ FY20 ☐ Total: ☐

*If this project has previously been funded by another entity, please list and furnish information for immediately preceding funding period.

NOTICE

All NOAA COP applicants be asked to submit a COP Current and Pending form in the specified format upon application submission. The use of the Current and Pending format provides the current funding status for each applicant allowing for a complete merit review. This form is compatible with the format in use by other agencies.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information.

Send comments regarding this burden estimate or any other aspects of this collection of information, including suggesting for reducing this burden, to the National Ocean service, CRP/COP Office, 1305 East-West Highway, Silver Spring, MD 20910. Grant files are subject to the Freedom of Information Act (FOI). Confidentiality will not be maintained--the information will be made available to the public. However, unpublished research results shall not be published without prior permission from the recipient.

Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number.

Element 11: Permits

Provide a list of all applicable permits that will be required to perform the proposed work.

You must respond to this requirement element whether or not permits are required.

Element 12: Accomplishments from Prior Federal and State Support

If any lead investigator or co-investigator identified on the project has received federal or state funding awards in the past five years for research relevant to this funding opportunity, information on the award(s) is required.

The following information must be provided:

a) The award number, amount, and period of support;

b) The title of the project;

c) A summary of the results of the completed work;

d) Publications resulting from the award;

e) Archived datasets resulting from the award;

f) A brief description of outputs and outcomes; and

g) As appropriate, a description of the relation of the completed work to the proposed work.

Element 13: Budget Narrative / Justification

In order to allow reviewers to fully evaluate the appropriateness of costs, all applications must include a detailed budget narrative covering the proposed period of performance with a justification to support all proposed budget categories for each fiscal year.

Personnel costs should be broken out by named investigator and number of months and percentage of time requested per year per investigator. Support for each investigator should be commensurate with their stated involvement each year. Any unnamed personnel (*e.g.*, graduate students, postdoctoral researchers, technicians) should be identified by their job title and their personnel costs explained similar to investigator personnel costs above. The contribution of any personnel to the project goals should be explained.

Travel costs should be broken out by number of people traveling, destination and purpose of travel, and projected costs per person. Equipment costs should describe the equipment to be purchased and its contribution to the achievement of the project goals. Applicants may include publication costs.

For additional information concerning each of the required budget categories and appropriate level of disclosure please see: http://www.ago.noaa.gov/grants/docs/gmd_budget_narrative_guidance_-_05-24-2017_final.pdf.

Applications are permitted to include the costs of project-level data management, including: coordinating, organizing, documenting, formatting, or otherwise preparing datasets for submission to NOAA or non-NOAA data facilities; establishing and maintaining data access tools and services and related metadata; managing non-digital data that are not required to be made publicly accessible, including laboratory notebooks, preliminary analyses, drafts of scientific papers, plans for future research, peer review reports, communications with colleagues, or physical objects, such as laboratory specimens.

A separate budget narrative is required for each institution that is proposed to receive funds through a subaward or subcontract to the lead institution. The budget narrative(s) should describe the work to be supported and indicate the applicability or necessity to the project. When a collaborator or contractor is known at the time of application, signed approval from the institution of each subaward and subcontract must accompany its budget justification. The lead institution is responsible for sending funds to its subaward and subcontract institutions. For acquisition contracts, the purpose and cost or price must be fully justified and the contract must comply with 2 C.F.R. 200.317-.326.

Element 14: Standard Form-424A

The Standard Form (SF)-424A Budget Form identifies the budget for each fiscal year of the application.

Since this is a five-year project and the SF-424A only has four columns (see page 2), you should use two SF-424A forms, as follows:

1. Place the first four years on one of the forms in Section B, columns (1) through (4). NOTE: This revised SF-424A Section B format is a NOAA requirement that is not reflected in the Instructions for the SF-424A.
2. Total the first four years in column (5).
3. Place the total from the first form (from column (5)) onto the second SF-424A form in Section B column (1) and use column (2) for the fifth year budget figures.
4. Total all five years in column (5) on the second SF-424A.

The budget figures must correspond with the description contained in the budget justification.

An example set of SF-424As is provided on the next six pages.

Multi-investigator applications using a subaward approach must submit SF-424As for each subaward, and the budget figures in those SF-424As must match its corresponding budget justification. The lead institution should list the total for contracts under “f. Contractual” and the total for subawards under “h. Other” in their SF-424A.The lead institution should list each subaward and contractor cost as a separate item in their SF-424A under line item 6.f. Contractual.

A fillable version of this form and the form instructions may be downloaded from: http://www.grants.gov/web/grants/forms/sf-424-family.html.

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 01/31/2019

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds: Federal (c)	Estimated Unobligated Funds: Non-Federal (d)	New or Revised Budget: Federal (e)	New or Revised Budget: Non-Federal (f)	New or Revised Budget: Total (g)
1. NOAA RESTORE Science Program	11.451	$	$	$ 3,318,550.00	$	$ 3,318,550.00
2.						
3.						
4.						
5. Totals		$	$	$ 3,318,550.00	$	$ 3,318,550.00

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total
	(1) Year 1	(2) Year 2	(3) Year 3	(4) Year 4	(5) Total Years 1 - 4
a. Personnel	$ 100,000.00	$ 100,000.00	$ 150,000.00	$ 150,000.00	$ 500,000.00
b. Fringe Benefits	33,000.00	33,000.00	49,500.00	49,500.00	165,000.00
c. Travel	10,000.00	15,000.00	10,000.00	12,000.00	47,000.00
d. Equipment	0.00	50,000.00	0.00	0.00	50,000.00
e. Supplies	75,000.00	75,000.00	60,000.00	50,000.00	260,000.00
f. Contractual	250,000.00	250,000.00	250,000.00	250,000.00	1,000,000.00
g. Construction	0.00	0.00	0.00	0.00	0.00
h. Other	50,000.00	50,000.00	50,000.00	50,000.00	200,000.00
i. Total Direct Charges (sum of 6a-6h)	518,000.00	573,000.00	569,500.00	561,500.00	$ 2,222,000.00
j. Indirect Charges	95,400.00	111,900.00	110,850.00	108,450.00	$ 426,600.00
k. TOTALS (sum of 6i and 6j)	$ 613,400.00	$ 684,900.00	$ 680,350.00	$ 669,950.00	$ 2,648,600.00
7. Program Income	$	$	$	$	$

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SECTION C - NON-FEDERAL RESOURCES

(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8. NOAA RESTORE Science Program	$ 0.00	$ 0.00	$ 0.00	$ 0.00
9.				
10.				
11.				
12. TOTAL (sum of lines 8-11)	$ 0.00	$ 0.00	$ 0.00	$ 0.00

SECTION D - FORECASTED CASH NEEDS

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	$ 613,400.00	$ 13,400.00	$ 200,000.00	$ 200,000.00	$ 200,000.00
14. Non-Federal	$				
15. TOTAL (sum of lines 13 and 14)	$ 613,400.00	$ 13,400.00	$ 200,000.00	$ 200,000.00	$ 200,000.00

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT

(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)			
	(b)First	(c) Second	(d) Third	(e) Fourth
16. NOAA RESTORE Science Program	$ 684,900.00	$ 680,350.00	$ 669,950.00	$ 669,950.00
17.				
18.				
19.				
20. TOTAL (sum of lines 16 - 19)	$ 684,900.00	$ 680,350.00	$ 669,950.00	$ 669,950.00

SECTION F - OTHER BUDGET INFORMATION

21. Direct Charges:

22. Indirect Charges: 30% of modified direct charges

23. Remarks:

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 01/31/2019

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1.		$	$	$	$	$
2.						
3.						
4.						
5. Totals		$	$	$	$	$

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY (1)	(2)	(3)	(4)	Total (5)
	Total Years 1 - 4	Year 5			Total Years 1 - 5
a. Personnel	$ 500,000.00	$ 150,000.00	$	$	$ 650,000.00
b. Fringe Benefits	165,000.00	49,500.00			214,500.00
c. Travel	47,000.00	12,000.00			59,000.00
d. Equipment	50,000.00	0.00			50,000.00
e. Supplies	260,000.00	50,000.00			310,000.00
f. Contractual	1,000,000.00	250,000.00			1,250,000.00
g. Construction	0.00	0.00			0.00
h. Other	200,000.00	50,000.00			250,000.00
i. Total Direct Charges (sum of 6a-6h)	2,222,000.00	561,500.00			$ 2,783,500.00
j. Indirect Charges	426,600.00	108,450.00			$ 535,050.00
k. TOTALS (sum of 6i and 6j)	$ 2,648,600.00	$ 669,950.00	$	$	$ 3,318,550.00
7. Program Income	$	$	$	$	$

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SECTION C - NON-FEDERAL RESOURCES				
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8.	$ 0.00	$ 0.00	$ 0.00	$ 0.00
9.				
10.				
11.				
12. TOTAL (sum of lines 8-11)	$ 0.00	$ 0.00	$ 0.00	$ 0.00

SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00
14. Non-Federal	$ 0.00	0.00	0.00	0.00	0.00
15. TOTAL (sum of lines 13 and 14)	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT				
(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)			
	(b)First	(c) Second	(d) Third	(e) Fourth
16.	$	$	$	$
17.				
18.				
19.				
20. TOTAL (sum of lines 16 - 19)	$	$	$	$

SECTION F - OTHER BUDGET INFORMATION	
21. Direct Charges:	22. Indirect Charges:
23. Remarks:	

Element 15: CD-511, Certification Regarding Lobbying

Required only for the lead institution, which may submit this form through the Grants.gov CD511 document placeholder without a hard signature because electronic signatures are allowed on documents from the submitting institution.

The form is on the next page and may also be downloaded from: http://www.grants.gov/web/grants/forms/sf-424-family.html.

FORM **CD-511**

(REV 1-05)

U.S. DEPARTMENT OF COMMERCE

CERTIFICATION REGARDING LOBBYING

Applicants should also review the instructions for certification included in the regulations before completing this form. Signature on this form provides for compliance with certification requirements under 15 CFR Part 28, 'New Restrictions on Lobbying.' The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of Commerce determines to award the covered transaction, grant, or cooperative agreement.

LOBBYING

As required by Section 1352, Title 31 of the U.S. Code, and implemented at 15 CFR Part 28, for persons entering into a grant, cooperative agreement or contract over $100,000 or a loan or loan guarantee over $150,000 as defined at 15 CFR Part 28, Sections 28.105 and 28.110, the applicant certifies that to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, 'Disclosure Form to Report Lobbying.' in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure occurring on or before October 23, 1996, and of not less than $11,000 and not more than $110,000 for each such failure occurring after October 23, 1996.

Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

In any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, 'Disclosure Form to Report Lobbying,' in accordance with its instructions.

Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure occurring on or before October 23, 1996, and of not less than $11,000 and not more than $110,000 for each such failure occurring after October 23, 1996.

As the duly authorized representative of the applicant, I hereby certify that the applicant will comply with the above applicable certification.

* NAME OF APPLICANT

* AWARD NUMBER

* PROJECT NAME

Prefix:

* First Name:

Middle Name:

* Last Name:

Suffix:

* Title:

* SIGNATURE:

* DATE:

Element 16: SF-424B, Assurances - Non-Construction Programs

Required only for the lead institution, which may submit this form through the Grants.gov SF-424B document placeholder without a hard signature because electronic signatures are allowed on documents from the submitting institutions.

The form is on the next two pages and may also be downloaded from: http://www.grants.gov/web/grants/forms/sf-424-family.html.

OMB Number: 4040-0007
Expiration Date: 01/31/2019

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.

2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.

3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.

4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.

5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).

6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C.§§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee- 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.

8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.

10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is $10,000 or more.

11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).

12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.

13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).

14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.

15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.

16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.

17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."

18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

19. Will comply with the requirements of Section 106(g) of the Trafficking Victims Protection Act (TVPA) of 2000, as amended (22 U.S.C. 7104) which prohibits grant award recipients or a sub-recipient from (1) Engaging in severe forms of trafficking in persons during the period of time that the award is in effect (2) Procuring a commercial sex act during the period of time that the award is in effect or (3) Using forced labor in the performance of the award or subawards under the award.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL	TITLE
APPLICANT ORGANIZATION	DATE SUBMITTED

Element 17: Alphabetized list of collaborators, advisors, and advisees

Provide ONE spreadsheet per application that includes ALL collaborators, advisors, and advisees and their respective institutions for EACH investigator (lead investigator, co-investigators, postdocs, sub-awardees, etc.).

The combined and alphabetized list should be on a spreadsheet with individual column headers for First Name, Last Name, and Institution.

Collaborators are individuals who have participated in a project or publication within the last 48 months with any investigator, including co-authors on publications in the resumes. Collaborators also include those persons with whom the investigators may have ongoing collaboration negotiations.

Advisees are persons with whom the individual investigator has had an association as thesis or dissertation advisor or postdoctoral sponsor. Advisors include an individual's own graduate and postgraduate advisors. Advisees and advisors do not have a time limit.

Unfunded participants in the proposed study should also be included on the list, but not their collaborators.

This information is critical for identifying potential conflicts of interests and avoiding bias in the selection of reviewers.

Element 18: Key Contacts Form

Applicants must submit the Key Contacts Form (see next page) for the lead institution.

A fillable version of the form may be downloaded from: https://coastalscience.noaa.gov/about/application-forms.

Form Approval OMB No. 0648-0384 Approval Expires 12/31/2019

Element 18: Key Contacts Form

KEY CONTACTS FORM

Authorized Representative: *Original awards and amendments will be sent to this individual for review and acceptance, unless otherwise indicated.*

Name:	
Title:	
Mailing Address:	
Phone Number:	
Email Address:	

Payee: *Individual authorized to accept payments.*

Name:	
Title:	
Mailing Address:	
Phone Number:	
Email Address:	

Administrative Contact: *Individual form Sponsored Program Office to contact concerning administrative matters (i.e. indirect costs rate computation, rebudgeting requests, etc.)*

Name:	
Title:	
Mailing Address:	
Phone Number:	
Email Address:	

Principal Investigator: *Individual responsible for the technical completion of the proposed paperwork.*

Name:	
Title:	
Mailing Address:	
Phone Number:	
Email Address:	

NOTICE

All NOAA COP applicants be asked to submit a COP Key Contact form in the specified format upon application submission. The use of the Key Contact format will provide the applicants contact information and is compatible with the format in use by other agencies.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information.

Send comments regarding this burden estimate or any other aspects of this collection of information, including suggestions for reducing this burden, to the National Ocean Service, CRP/COP Office, 1305 East-West Highway, Silver Spring, MD 20910. Grant files are subject to the Freedom of Information Act (FOIA). Confidentiality will not be maintained--the information will be made available to the public. However, unpublished research results shall not be published without prior permission from the recipient.

Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with, a collection of information subject to the requirements of the Paperwork Reduction Act, unless that collection of information displays a currently valid OMB Control Number.

Optional Element 1: Letters of support or commitment

Letters of support or commitment are strongly encouraged, but not required. In particular, consider providing letters from individuals or partners confirming contributions to and support for the project, such as team members included in the project but not funded in the budget, end users who will be engaged throughout the project and will use the findings and products, and individuals or groups that provide access to data or other needs for the project. End users should describe in their letters of support how they anticipate using project findings and products.

Optional Element 2: Indirect costs rate agreement

Applications that request funds for indirect costs for institutions that have a current federally approved rate should provide the indirect cost rate agreement for the lead institution and each institution that is proposed to receive funds through a subaward or subcontract to the lead institution. Indirect costs may not be applied to ship costs (unless the indirect cost rate agreement states otherwise). An applicant without a federally approved rate should refer to Section IV.F. of the Announcement regarding options.