

Is there Federal Interest?:

OMB Number: 4040-0004
Expiration Date: 10/31/2019

Application for Federal Assistance SF-424			
1.Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application		2.Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	
		* If Revision, select appropriate letter(s): <input type="text"/>	
		* Other (Specify): <input type="text"/>	
3.Date Received: 2020-12-04 14:31:02		4.Applicant Identifier:	
5a. Federal Entity Identifier: NC2020-1688		5b.Federal Award identifier:	
State use Only:			
6.Date Received by State:		7.State Application Identifier:	
8. APPLICANT INFORMATION:			
a.Legal Name: Lompoc, City of			
b. Employer/Taxpayer Identification Number(EIN/TIN):		c. Organizational DUNS: 070200019	
d. Address:			
Street1: 100 Civic Center Plaza			
Street2:			
City: Lompoc			
County/Parish:			
State: CA			
Province:			
Country: United States			
Zip / Postal Code: 93436-6969			
e. Organizational Unit:			
Department Name:		Division Name:	
f. Name and Contact information of person to be contacted on matters involving this application:			
Prefix: Ms.		First Name: Jasmine	
Middle Name:			
Last name: McGinty			
Suffix:			
Title: Senior Administrative Analyst			
Organization Affiliation: City of Lompoc			

Telephone Number:	(805) 875-8226	Fax Number:
Email:	j_mcginity@ci.lompoc.ca.us	

Application for Federal Assistance SF-424
9. Type of Applicant 1: Select Applicant Type:
C: City or Township Government
Type of Applicant 2: Select Applicant Type:
Type of Applicant 3: Select Applicant Type:
Other (specify):
10.Name of Federal Agency:
Office of Economic Adjustment
11. Catalog of federal Domestic Assistance Number:
12.610
CFDA Title:
12.610 Community Economic Adjustment Assistance for Compatible Use and Joint Land Use Studies
12. Funding Opportunity Number:
84 FR 38014
Title:
Community Economic Adjustment Assistance for Compatible Use Plans
13. Competition Identification Number:
Title:
14. Areas Affected by Project (Cities, Counties, States, etc.):
Vandenberg AFB, City of Lompoc, City of Santa Maria, County of Santa Barbara, State of California
15. Descriptive Title of Applicant's Project:
Military Installation Compatability Use & Resilience Hybrid Study
Attach supporting documents as specified in agency instructions.:

16. Congressional Districts Of:			
a. Applicant	CA-24	b. Program/Project	CA-24
Attach an additional list of Program/Project Congressional Districts if needed.			
17. Proposed Project:			
a. Start Date:	2021-01-01	b. End Date:	2022-06-30
18. estimated Funding (\$):			
a. Federal:	\$1,364,930		
b. Applicant:	\$151,659		
c. State:	\$0		
d. Local:	\$0		
e. Other:	\$0		
f. Program Income:	\$0		
g. TOTAL	\$1,516,589		
19. Is Application Subject to Review By State Under Executive Order 1372 Process?:			
<input type="checkbox"/> a. This application was made available to the State under the Executive Order 12372 Process for review on <input type="checkbox"/> b. Program is subject to E.O. 12372 but has not been selected by the State for review <input checked="" type="checkbox"/> c. Program is not covered by E.O. 12372.			
20. Is the Applicant Delinquent on Any Federal Debt? (If "Yes", provide explanation in attachment.)			
<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
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)			
<input checked="" type="checkbox"/> ** 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:	Jim
Middle Name:			
Last name:	Throop		
Suffix:			
Title:	City Manager		
Organization Affiliation:	City of Lompoc		
Telephone Number:	(805) 875-8212	Fax Number:	805-736-5347
Email:	j_throop@ci.lompoc.ca.us		
Signature of the Authorized Representative:		Date Signed:	

Application Narrative

Use this section to describe the proposed project and justify the need for financial assistance. The Narrative should include the following sections, in the following order: Application Abstract; Introduction/Background; Need for Assistance; Project Goals and Objectives Related to OEA Mission; Results or Benefits Expected; Approach & Timeline; and Deliverables/Products. Each section is limited to 1,000 words, unless otherwise noted. Appendices, charts, maps and other illustrative materials may be attached to further describe the proposal.

Key Personnel

Name	Title	Email	Resume
Jasmine McGinty	Sr. Admin. Analyst	j_mcginty@ci.lompoc.ca.us	Download

Contractor Services

Does this grant require use of contractor services?

Yes

Contractor Name	Description	Start Date	End Date	Scope of Work
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Sub Recipient

Do you anticipate awards to any sub recipients?

No

Deliverables Instructions

Identify tangible products and/or other projected work program accomplishments Examples include, but are not limited to, Joint Land Use Study Final Report; Base Redevelopment Plan and Homeless Assistance Submission; Infrastructure Analysis and Recommended Improvements; Defense Industry Supply Chain Map; or Growth Management Plan

Grant Deliverable List

Name	Description	Deliverable Date
Finalized Work Plan (Task 1)	Finalized work plan for project approved by Policy Committee	01/31/2021
Final Installation Resilience Review (Task 8)	Assessment of environmental conditions that have or may pose a risk to the Vandenberg AFB mission and recommend strategies and actions to support community resources and activities that preserve the Base mission	05/31/2022
Final Compatible Use Study (Task 8)	Identification of strategies and mutually beneficial infrastructure solutions to ensure that the City plans are consistent with VAFB's mission objectives and support compatibility.	05/31/2022
Geospatial Data (Task 8)	Final GIS layers will be provided as part of the final MIR and CU deliverables. All geospatial data used for CU analysis and/or map production will be submitted to OEA in Esri File Geodatabase format (*.gdb). Regardless of the geospatial data format, all geospatial data will include metadata in either the ISO 19139 Metadata Implementation Specification style or the SDSFIE-M style. Metadata records for each dataset will include the minimum required information per metadata style written within the organization's preferred metadata editor software, e.g., Esri's ArcCatalog	05/31/2022
Hybrid Program Executive Summary (Task 8)	Summary of MIR and CU interrelated studies approach, findings, strategies and recommendations	05/31/2022
After-Action Report (Task 8)	A report describing the methodology and steps taken to complete the Military Installation Resilience (MIR) review and Compatible Use (CU) study; lessons learned during the MIR and CU processes, challenges overcome, challenges unable to be overcome; recommended MIS program improvements, results/benefits to the community realized and projected, results/benefits to the installation and the DoD realized and projected, and recommended best practices.	05/31/2022

Goals related to OEA mission instructions

Assist state and local governments to address and prevent the encroachment of civilian communities from impairing the operational utility of military installations, Preserve and protect the public health, safety, and general welfare of those living near an active military installation, Protect and preserve military readiness and defense capabilities while supporting continued community economic development, Enhance civilian and military communication and collaboration, Increase public awareness of the military missions

Goals related to the OEA mission

The Goals and measurable Objectives of the project work scope as they relate to the OEA Military Installation Sustainability Program are summarized as follows:

Goal 1. Identify environmental vulnerabilities affecting Vandenberg AFB, the City of Lompoc and the larger region, and work collaboratively to mitigate them.

Objective 1.1 Document the shared impacts of environmental and natural threats on installation resiliency, and on adjacent civilian jurisdictions and communities.

Objective 1.2 Define responsibilities/capabilities of installation and surrounding communities to mitigate resiliency vulnerabilities through development, planning and infrastructure cooperation.

Objective 1.3 Identify opportunities for cooperative risk reduction through planning and strategies that benefit the installation resiliency and support compatible uses.

Goal 2. Encourage cooperative land use and resource planning between VAFB, the City and area stakeholders, ensuring the compatibility of adjacent community plans with future installation training and operational missions.

Objective 2.1. Increase public awareness of the Vandenberg AFB military mission and contribution to the regional economy

Objective 2.2. Create Focus Area Summaries as part of the final reporting to document Vandenberg AFB operational and infrastructure needs as a basis for collaborative land use planning and decision-making, consistent with the installation mission as well as community needs.

Objective 2.3 Document ongoing military and civilian strategies and tools to address current and future compatibility issues.

Goal 3. Promote and provide options for positive compatibility between Vandenberg AFB, the City of Lompoc, surrounding communities, businesses and landowners.

Objective 3.1. Provide mutually supported recommendations for strategies, courses of action, tasks, tools, activities and procedures from which local jurisdictions, agencies, and Vandenberg AFB can select, prepare, and adopt in order to implement recommendations resulting from the compatible use planning process.

Objective 3.2. Document both operational measures to mitigate installation impacts on surrounding communities, as well as local government and agency approaches that reduce community impacts on military operations.

Objective 3.3. Document how developed tools can help military and civilian decision makers in resolving compatibility issues and prioritizing projects on an ongoing basis.

Goal 4. Document findings, recommendations and strategies for Military Installation Resilience and Compatible Use between the Vandenberg AFB and all stakeholders.

Objective 4.1. Produce an interim findings and preliminary recommendations for stakeholder and public review and comment.

Objective 4.2. Produce the Final Compatible Use Study in digital format (and hard copy as requested)

Objective 4.3 Produce Final Military Installation Resiliency Review in digital format (and hard copy as requested)

Objective 4.4 Create ESRI file of all project geospatial data collected and created in accordance with OEA format requirements

Objective 4.5 Create a Final Program Hybrid Executive Summary of MIR and CU interrelated study process, findings and recommendations.

CAGE Code: 0C0M2

Vandenberg AFB is the Air Force's third largest base in the United States with 99,578 acres, a 2.84 mile runway, and 465 facilities, supporting a population of more than 18,000 military, family members, contractors, and civilian employees.

Vandenberg AFB supports Department of Defense space and missile testing, places satellites into polar orbit, commands and controls the Western Range, and directs range resources in support of space launches, missile test launch and evaluation, and aeronautical and space surveillance operations for the Air Force, Department of Defense, National Aeronautics and Space Administration, national programs, and various private industry contractors. Key tenants include the Combined Force Space Component Command, Space Operations Command, 576th Flight Test Squadron, Missile Defense Agency, 381st Training Group, U.S. Space Force, the National Reconnaissance Office, and the National Aeronautics and Space Administration.

Vandenberg AFB is projected to see an increase in commercial space launches from its South Base southern launch sites, where commercial operations of SpaceX, United Launch Alliance (ULA) and Firefly are located. The installation is also envisioning a Commercial Zone for support facilities to be privately developed on 1,500 to 2,000 acres that would be on Federal land, but outside the Base fence. This area is being considered for development under an Enhanced Use Lease (EUL) process.

Due to the concentration of space operation missions paired with the availability of developable land immediately adjacent to Vandenberg AFB's "South Base" fence line and continued support on base for commercial space operations, Vandenberg AFB, the City of Lompoc, and the surrounding communities are expected to see residential and commercial growth, strains on existing public utilities (e.g. water and power), and increased demand on shared community facilities such as transportation networks.

The City and Vandenberg AFB leaders worked together to define the areas of mutual interest and need as the focus of this OEA grant hybrid study. They considered elements related to mutual environmental risks (both anticipated and unanticipated) affecting Military Installation Resilience (MIR), and they assessed the mutual land use and infrastructure issues related to compatible use (CU). The study focus areas include:

- Drought and wildfire risks
- Energy security and the adequacy/compatibility of systems for energy supply
- Water supply and water quality
- Wastewater treatment
- Transportation and access
- Land use and housing

Because these focus areas are interrelated and not mutually exclusive, the hybrid study approach addresses OEA's Mission Installation Sustainability objectives in a more efficient, coordinated and productive manner.

Need for Assistance

Vandenberg AFB has a long legacy of space launch activities dating back to the presence of the now-retired Strategic Air Command. Over that time, the adjacent City of Lompoc and Vandenberg AFB have enjoyed a symbiotic relationship. Today, Vandenberg AFB's mission as the 30th Space Wing of the newly designated Space Operations Command is expanding. The commercial space launch business in the near term is challenging the Base and the City to cooperatively plan for their closely related futures. At the same time, the region and the state are experiencing climate change and increasing natural and environmental threats. It is an ideal time for Vandenberg AFB and Lompoc to work together in identifying mutual vulnerabilities, needs and opportunities in order to develop responsive plans and strategies to support the resiliency of the growing military mission.

The City of Lompoc is an eligible grant applicant and is applying for assistance from the Department of Defense (DOD) Office of Economic Assistance (OEA) to conduct a comprehensive study project to respond to the needs of the Base and the City. The City will provide 10% of the total budgeted project costs through in-kind staff work and facilities and/or equipment. This project utilizes a hybrid approach that meets the criteria of two grant separate but related OEA grant programs: Military Installation Resilience and Compatible Use. These are both under the broader OEA Mission Installation Sustainability program.

Grant Abstract

This hybrid Mission Installation Resilience/Compatible Use project is a cooperative planning process between Vandenberg Air Force Base and the City of Lompoc, and includes surrounding communities, Santa Barbara County, Federal and State agencies, the private space launch community, and other interested parties. Its goals are to protect and preserve military readiness and defense capabilities while supporting symbiotic community economic stability and success. It is designed to:

- Identify and respond cooperatively to mutual environmental vulnerabilities
- Promote community development that is supportive of and compatible with installation training, testing, and operational missions
- Promote and provide options for positive compatibility between Vandenberg Air Force Base, the City of Lompoc, surrounding communities, businesses and landowners
- Increase public awareness of the military mission and contribution to the regional economy

Results or Benefits Expected

The recommendations and strategies resulting from this effort will promote compatible military and civilian uses in ways that, in some areas, also will respond to the need for compatibility and resiliency measures in support of test, training and military operation readiness. The Compatible Use study seeks to preserve long-term compatibility between the installation and the surrounding communities to help ensure continued operations, functions and missions at Vandenberg AFB.

Likewise, addressing resiliency will mitigate, offset or solve for some compatible use areas. Because of the inclusiveness of multiple focus areas, the boundaries of the CU study area will be refined, incorporating overlay areas with heightened environmental installation resiliency risk.

Approach and Timeline

January – March 2021 Task 1: Project Initiation & Administration & Task 2: Stakeholder/Public Involvement Strategy & Schedule

- Project Team organization, Work Plan Refinement, Policy Committee and Working Groups Formation (Task Group 1)
- Kick-off Meetings, Policy Committee & Working Groups (Task Group 1)
- Policy Committee Work Plan Concurrence (Task Group 1)
- Stakeholder & Public Involvement Strategy, Schedule (Task Group 2)
- Policy Committee Review/Concurrence: Stakeholder Strategy (Task Group 2)
- Installation Tour(s) (Task Group 2)
- Project website/web page (Task Group 2)

April – July 2021 Task 3: Data Collection, Inventory & Mapping

- Installation plans, operational systems, infrastructure maps & mission forecasts
- Community/jurisdictions plans, infrastructure system
- Public and private sector key stakeholder interviews
- Policy Committee & Working Groups meeting(s)
- Public meeting (TBD-per strategy adopted in Task 2)
- Summary reports of existing conditions by data category, key findings
- Draft GIS database, monthly status reports, and meeting materials.

August – November 2021 Task 4: MIR Resiliency Impacts & Responsibility Assessment

- Environmental and natural threats data analysis
- Installation / community impacts and responsibilities outline
- Resiliency vulnerabilities related to compatible use issues
- Preliminary resiliency issues, opportunities, and resolution alternatives
- Policy Committee & Working Groups meeting(s)
- Public meeting (TBD-per strategy adopted in Task 2)

August – November 2021 Task 5: Compatible Use Analysis

- Installation operations and mission analysis
- Study area existing and projected development trends assessment
- Conflict and compatibility data analysis
- Preliminary compatibility issues, opportunities, and resolution alternatives
- Policy Committee & Working Groups meeting(s)
- Public meeting (TBD-per strategy adopted in Task 2)

December 2021 – March 2022 Task 6: Installation Resiliency Solutions & Strategies

- Alternatives and action plan strategies to meet resiliency challenges
- Complementary actions to support compatible use study analysis and strategies
- Draft Action Plan for Installation Resiliency Review (will inform Tasks 7 and 8)
- Policy Committee & Working Groups meeting(s)
- Public meeting (TBD-per strategy adopted in Task 2)

December 2021 – March 2022 Task 7: Compatible Use Solutions & Strategies

- Compatible Use Summary report of use conflicts and compatibility challenges
- Draft strategies alternatives for review
- Business case analysis for major strategy or action recommendations
- Draft Action Plan
- Policy Committee & Working Groups meeting(s)
- Public meeting (TBD-per strategy adopted in Task 2)

April – May 2022 Task 8: Final Findings & Reports

- Draft Military Installation Resiliency Review for Policy Committee, Working Groups guidance
- Draft Compatible Use Study for Policy Committee, Working Groups guidance
- Key stakeholders' reviews
- Final Military Installation Resiliency Review in digital format (hard copies as requested)
- Final Compatible Use Study in digital format (hard copies as requested)
- ESRI file of geospatial data collected in accordance with OEA format requirements
- Final Hybrid Project Executive Summary of MIR and CU interrelated study findings and recommendations
- After Action Report to assess effectiveness of MIR/CU hybrid study approach

Work Program - Detailed Task Components

The City of Lompoc is the program manager responsible for overseeing the definition and implementation of program tasks and deliverables, leading the Policy Committee and providing direction to the program consultant in completion of this work. It also will be responsible for all grant reporting, payments and administration. Its technical and professional staff representing specialized expertise will participate in Working Group meetings as appropriate. The City will use its existing consultant for support to complete the tasks listed below. The existing contract between the City of Lompoc and its consultant are provided as attachments.

TASK 1: OVERALL PROJECT INITIATION AND ADMINISTRATION

The City's Project Team includes the City's consultant's professional staff to expand the Team's expertise in administrative support and grant management functions related to the overall project. The City, with the assistance of its consultant, will complete the following subtasks:

1.1 Project Team organization, Work Plan Review & Policy Committee Formation

The City Project Team will define the membership of the Policy Committee and Working Groups, and finalize the program work plan and schedule.

1.2 Kick-off Meeting, Policy Committee Work Plan Review

At the City kick-off meeting, abiding by applicable COVID-19 protocols, the Project Team will present its project management approach and the consultant will present the work plan to the Policy Committee for discussion and concurrence. This work plan will include the related draft Stakeholder and Public Involvement Plan developed in Task 2. The purpose and composition of the Working Groups will be established as well as the definition of their role in facilitating communications among the project team, consultants, stakeholders, and the public.

1.3 Administration and Management

The consultant will work with the City to provide administrative support in carrying out the following project responsibilities:

- a. Managing and updating the work plan and milestone schedule as needed
- b. Coordinating communications between team members, governmental agencies and elected officials
- c. Managing the committee and public meeting schedule
- d. Preparing agendas and minutes, support materials, and presentations for Policy Committee, Working Group and public meetings
- e. Preparing monthly status reports detailing work in progress, work accomplished, and funds expended
- f. Preparing written work products and committee briefings at key points during the project

Task 1 Output and Deliverable: Consultant will prepare for the City (Output) the finalized work plan; project management and administration procedures summary, and monthly status reports. The City will provide this to OEA as a grant deliverable.

TASK 2: STAKEHOLDER AND PUBLIC INVOLVEMENT

The consultant will draft a preliminary Stakeholder Involvement Strategy for review by the City project team, the Policy Committee and the Working Groups. This preliminary strategy will first identify the key stakeholders, including public agencies, community organizations, nonprofits and private sector companies and individuals.

The strategy will define stakeholder roles for participating in scoping and goal setting, assessing issues, and reviewing findings and strategies as work progresses. It will be a responsive participation program that is actively revised and updated to incorporate installation tour(s), public and elected official briefings, and public presentations at appropriate points in the project. The City, with the assistance of its consultant, will complete the following subtasks:

2.1 The Stakeholder and Public Involvement Strategy will include:

- a. Individuals and/or organizations who will be involved in the project and in what capacity
- b. Outreach activity objectives, timing, participation techniques, and target groups

- c. An initial schedule for public and elected officials' briefings
- d. A communications strategy for distributing information, meeting opportunities, work products, press releases, and major milestone updates
- e. A project website / webpage
- f. Updated project contact list

2.2 Installation Tour

To the extent allowable under VAFB COVID-19 protocols, the City Project Team and the Policy Committee will tour the installation, guided by VAFB staff who serve as stakeholders and collaborators in the City study effort. The purpose of the tour will be to familiarize participants with the installation and review installation mission and operations, future mission projections, planned projects and actions, and encroachment concerns.

2.3 Public meetings and presentations will be virtual for the foreseeable future, assuming continued COVID-19 protocols, but will be conducted face-to-face when allowable. They will include:

- a. Policy Committee: Quarterly meetings over the course of the 18-month study plus draft and final Deliverables review/approval meetings
- b. Working Groups: Meetings as determined by each Working Group, created for the five Project Focus areas of Water, Energy, Transportation, Land Use and Housing, and Environment
- c. Stakeholder and/or Public presentations TBD by the Policy Committee

Task 2 Output: Consultant will prepare for the City the Stakeholder and Public Involvement Strategy; targeted meeting and briefings schedule to be updated as project advances, meeting materials and summary memos.

TASK 3: DATA COLLECTION, INVENTORY, AND MAPPING

This task includes the compilation of all relevant and available data from the Installation, the City, regional jurisdictions and other entities or sources to conduct the analysis and evaluation phase of the Military Installation Resiliency (MIR) and Compatible Use (CU) processes. Much of the collected data and mapping will be overlapping and contribute to both studies.

For the MIR study, the data, inventory and mapping will focus on environmental information relative to drought and wildfires, and on impacted emergency response systems, water supply, communications, installation access, and energy security.

For the CUS effort the data, inventory and mapping will primarily cover the transportation systems and installation access; water resources including water supply, reuse, and wastewater treatment; land use and planning; emergency response, energy systems (electric utilities and generation, and natural gas systems); housing supply and demand; and other features related to both the civilian and military sectors. This task does not include the collection of original data or the creation of new GIS layers.

This task will define the local, state and federal regulatory framework. It also will identify existing local plans, codes, ordinances and regulations, if any, adopted by participating governments that control, contribute to, or reduce the potential conflicts between land uses and military operations.

Resources:

The project team will compile available plans, historic records, data and GIS layers from participating jurisdictions and other major landholders, as necessary. This includes, but is not limited to:

- Vandenberg AFB
- Cities of Lompoc and Santa Maria
- County of Santa Barbara (Public Works – Water Resource & Transportation Divisions)
- Santa Barbara County Local Agency Formation Commission (LAFCO)
- Santa Barbara County Association of Governments (SBCAG)
- Regional Water Quality Control Board (RWQCB)
- Central Coast Water Authority
- State of California

- California Department of Transportation (Caltrans)
- California Department of Forestry and Fire (CAL FIRE)
- Governor's Office of Planning & Research (OPR)
- California Energy Commission (CEC)
- California Public Utilities Commission (CPUC)
- Dept. of Water Resources
- Federal agencies
- Strategic Environmental Research and Development Program (SERDP)
- National Oceanic and Atmospheric Administration (NOAA)
- US Geologic Survey (USGS)
- Private & Nonprofit
- Central Coast REACH (Regional Economic Action Coalition)
- California Independent System Operator (Cal ISO)
- Pacific Gas & Electric (PG&E)
- Private space launch companies, such as SpaceX, Blue Origin and United Launch Alliance (ULA)

The Working Groups (climate, energy, water, transportation, and housing and land use) will serve a critical role during Task 3 as the source of existing data, liaison to external sources, and identification as to which data are most relevant. At the conclusion of Task 3, the project team will issue focus area summary reports that describes the most relevant existing conditions as they pertain to resiliency (MIR) and compatibility (CU).

Data Collection Task Components:

The objective of the data collection task is to aggregate installation and study area information including existing conditions, applicable planning documents, and mapping of transportation systems, land use, environmental conditions, water and energy supply, supportive public infrastructure, and housing. All work refers to existing conditions including known and available planning documents for expected future projects. Data collection will include interviews with key installation and community stakeholders.

The City, with the assistance of its consultant, will complete the subtasks below, including identification, collection, compilation, and classification of the following specific data categories.

- 3.1 Installation and regional systems mapping, regional and environmental and on-base events history, and planning maps/information
- 3.2 Regional and local topography and geological data and past record of geological hazards including earthquakes, tsunamis, landslides, and debris flows
- 3.3 Climate studies and data from NOAA, as well as local climate storm and environmental data and downscaled Localized Constructed Analogs (LOCA) climate modeling output models of using Cal-Adapt to determine the potential impacts of environmental and extreme climate events on the installation
- 3.4 Regional and local electric transmission networks; distribution systems serving VAFB and local generation; natural gas service, transmission and distribution systems; and installation electrical and natural gas infrastructure monitoring and/or control systems, such as supervisory control and data acquisition (SCADA)
- 3.5 Local and regional domestic water sources, supply, treatment and distribution networks, and storage
- 3.6 Wastewater collection lines and treatment facilities, reuse water and discharge systems
- 3.7 Transportation roadway systems and traffic volume information, including functional classification, trip distribution, and interface with installation access points
- 3.8 Major military travel patterns based on interviews and data provided within existing planning documents
- 3.9 Access and control points that may be impacted by installation or regional traffic growth
- 3.10 Hazardous material transportation, truck and rail routes
- 3.11 Multimodal networks
- 3.12 Major emergency response services and mutual aid networks

3.13 Housing locations and availability (on the installation and in the study area), land use and zoning designations

Task 3 Output:

The consultant will prepare for the City a consolidated summary report of existing conditions, key findings, and upcoming events, and a draft GIS database, which will ultimately be finalized and provided to OEA by the City as a grant deliverable. The GIS layers are planned to be comprised of the following, pending availability of digital information. This database will be updated as the project advances.

- a. Climate event patterns (drought, wildfire, extreme heat, sea level rise, extreme storm events and wind)
- b. Water supply networks
- c. Wastewater collection/treatment networks
- d. Energy supply networks (electric and natural gas)
- e. Transportation networks and related features
- f. Emergency response networks
- g. Land use plan and/or zoning designations
- h. Proposed development, both military and civilian
- i. Proposed capital improvement plans
- j. Housing data
- k. Population forecasts and projected growth trends
- l. Installation asset vulnerabilities and operations threats

Final GIS layers (MIR and CU) will be provided from the City to OEA as a grant deliverable. All geospatial data used for CU analysis and/or map production will be submitted to OEA in Esri File Geodatabase format (*.gdb). Regardless of the geospatial data format, all geospatial data will include metadata in either the ISO 19139 Metadata Implementation Specification style or the SDSFIE-M style. Metadata records for each dataset will include the minimum required information per metadata style written within the organization's preferred metadata editor software, e.g., Esri's ArcCatalog.

TASK 4 - MIR: RESILIENCY IMPACTS AND RESPONSIBILITY ASSESSMENT

The study area data from Task 3 on existing conditions and issues will be analyzed to identify current and future environmental and natural threats to installation operations. These include, but are not limited to, climate influences on the severity and extent of droughts, wildfires, extreme weather events, and unanticipated changes in environmental conditions. Because climate and environmental vulnerabilities do not respect jurisdictional boundaries, this task area will assess the shared impacts on the installation and adjacent local civilian jurisdictions and communities.

The City, with the assistance of its consultant, will complete the subtasks below. Focus area teams will evaluate and prioritize installation environmental threats. They will then identify opportunities for cooperative risk reduction that will benefit both installation and community resiliency.

- 4.1 Determine the full extent of potential climate impacts, such as extreme storm events triggering debris flow, utilizing topography and geological data collected in subtask 3.3 in combination with NOAA and downscaled LOCA climate modeling output
- 4.2 Identify installation and community emergency response and support capabilities and responsibilities relative to environmental threats
- 4.3 Review local electrical system distribution, generation, and storage, and plans for VAFB facilities to isolate and run as a sustained micro-grid
- 4.4 Assess transportation system and access vulnerabilities, and installation ingress and egress options in the face of adverse regional environmental conditions
- 4.5 Determine extent of potential water supply and distribution vulnerabilities, as well as installation wastewater collection system vulnerabilities
- 4.6 Define responsibilities/capabilities of installation and surrounding communities to mitigate resiliency vulnerabilities

Task 4 Deliverables: Consultant will prepare for the City a list of identified issues and areas of resiliency threats and vulnerabilities, maps of impacted areas as well as a summary of relationship of resiliency issues to existing and future compatibility issues. Recommended actions will be based on NOAA data/models.

TASK 5 – COMPATIBLE USE: ANALYSIS

The study area data from Task 3 on existing conditions and issues will be analyzed to identify current and future compatibility issues. This analysis will also identify the influence of regulatory measures on land use decisions and will consider existing and projected development trends within the study area. Focus area teams will identify existing and potential compatible use issues relative to installation mission objectives, existing and potential land uses, transportation, energy and water/wastewater infrastructure, housing, and commercial development.

Areas of concern will be considered from a physical planning and regulatory perspective, as well as a local and regional impact perspective. The project team will map conflict and impact areas, illustrate where appropriate, and summarize community and regulatory issues. Results and findings will be reviewed with the Policy Committee for consideration, input, and concurrence. The results of Task 4 will be used to identify preliminary compatibility issues and opportunities, and related resolution alternatives.

The City, with the assistance of its consultant, will complete the following subtasks:

- 5.1 Identify areas of impact, both on base and in surrounding communities, due to current and planned installation mission, including impact of South Base private sector commercial space launch activity
- 5.2 Identify areas of installation water resources supply and availability as well as conflicts and opportunities for base/community cooperative systems
- 5.3 Assess impact of current and planned installation South Base activity on community wastewater facilities and existing base/community treatment agreements
- 5.4 Identify regional roadway and base access constraints affected by current and planned installation mission, including impact of South Base private sector commercial space launch activity, and opportunities for cooperative system improvements
- 5.5 Identify areas of current and future residential and commercial land use constraints and opportunities surrounding the installation affected by current and planned installation mission
- 5.4 Assess potential resource compatibility issues, to include but not limited to: energy security, water security, and the security of essential transportation resources, when the reliance upon these critical resources is located outside the installation, and may impair the continued operational utility of the installation
- 5.5 Identify conflicts and opportunities for cooperation with surrounding communities and installation facilities short term, long term and capital improvement plans.

Task 5 Output: The Consultant will prepare for the City a report on the identified areas of compatible use concern and current/potential conflict, and maps of conflict areas and opportunity zones (based on GIS data from Task 3). Also Focus Area Summaries of existing and future compatibility issues, jurisdictional impacts, and their impact on installation resilience.

TASK 6 - MIR: INSTALLATION RESILIENCY SOLUTIONS AND STRATEGIES

Focus area teams will consider and develop possible measures to address the identified resiliency challenges posed by potential environmental threats. Consideration also will be given to possible actions that complement and support the findings and strategies identified in the compatible use study analysis. These may include environmental, capital improvement, programmatic, regulatory, procedural, and operational measures.

Preliminary strategies and identified measures for implementation will be assessed for viability at a strategic level and incorporated into a draft Action Plan. The draft plan will be discussed and refined by the Policy Committee, Working Groups, key stakeholders and the public. The refined draft Action Plan from Task 6 will inform Tasks 7 and 8.

The City, with the assistance of its consultant, will complete the following subtasks:

6.1 Develop measures for potential water, energy, transportation, and land use infrastructure solutions on the installation and in surrounding communities to respond to environmental and climate-related vulnerabilities.

6.2 Develop recommended resolutions and implementation measures to inform military and civilian jurisdictions regarding current and future strategies to address and prevent threats to military installation resilience

6.3 Present to Policy Committee for consideration of recommended resolution strategies and Action Plan for incorporation into final Installation Resiliency Review

Task 6 Output: Consultant will prepare for the City an Action Plan for incorporation into final Installation Resiliency Review. Recommended actions will be based on NOAA data/models.

TASK 7 - COMPATIBLE USE CONFLICT SOLUTIONS AND STRATEGIES

Focus area teams will assess possible measures to address the identified use and compatibility challenges considering installation and community plans and infrastructure constraints. These may include environmental, capital improvement, public service, regulatory, procedural, and operational measures. Recommendations also will be developed in response to private sector commercial and industrial demands for facilities and infrastructure in support of the planned growth in private space launch activity on base. Consideration will be given to complementary actions that support the findings and resolutions identified in the Task 6 installation resiliency analysis.

Preliminary compatibility solutions and identified measures for implementation will be assessed for viability at a strategic level and incorporated into a draft Compatible Use Strategies Summary Report. The draft report will be discussed and refined by the Policy Committee, Working Groups, key stakeholders and the public. This refined draft Strategies Summary will be supportive of Task 6 and will inform Task 8.

The City, with the assistance of its consultant, will complete the following subtasks:

7.1 Define potential measures to address use conflicts and compatibility challenges and considerations relative to water and energy supply, wastewater treatment, regional roadway capabilities, base access, commercial and residential land use, and installation infrastructure support

7.2 Develop resolution strategies on water, energy, and transportation infrastructure, and commercial and residential demand and supply deficiencies resulting from planned growth in private space launch activity on base and related to community requirements and development. Ensure these recommendations are coordinated with appropriate local, regional and/or state transportation organizations responsible for services and infrastructure planning and funding.

7.3 Develop a business case, to include benefits and limitations, for major strategy or action recommendations

7.4 Solicit installation, local jurisdiction, community, Federal and State agency, and stakeholder response to potential solutions

7.5 Present installation and community strategy measures in a Compatible Use Summary for Policy Committee and Working Group consideration and concurrence of implementation actions

Task 7 Output: Consultant will prepare for the City a Compatible Use Summary for incorporation into the final Compatible Use Study.

TASK 8: FINAL FINDINGS AND REPORTS

The City, with the assistance of its consultant, will complete the following subtasks in the preparation of final findings and reports:

8.1 Incorporate the Task 6 Action Plan as the basis for the Draft Military Installation Resiliency Review for Policy Committee guidance (public meetings TBD). Recommended actions will be based on NOAA data/models.

8.2 Solicit installation, local jurisdiction, community, Federal and State agency, and stakeholder comments on draft Compatible Use Study.

8.3 Incorporate the Task 7 Summary as the basis for the Draft Compatible Use Study for Policy Committee guidance (public meetings TBD)

8.4 Solicit installation, local jurisdiction, community, Federal and State agency, and stakeholder comments on draft Resiliency Review.

8.5 Prepare final Military Installation Resiliency Review for Policy Committee approval and consideration by Installation and Local Jurisdiction(s) for implementation of action plans/strategies

8.6 Prepare final Compatible Use Study for Policy Committee approval and consideration by Installation and Local Jurisdiction(s) for implementation of action plans/strategies

8.7 Prepare Hybrid Project Executive Summary of MIR and CU interrelated study findings and implementation action recommendations

Task 8 Output and Deliverables: Consultant will prepare for the City the following:

- a. Final Compatible Use Study in digital format (and hard copy as requested). The City will provide a digital copy to OEA as a grant deliverable.
- b. Final Military Installation Resiliency Review in digital format (and hard copy as requested). The City will provide a digital copy to OEA as a grant deliverable.
- c. Final ESRI file of geospatial data collected. The City will provide to OEA as a grant deliverable in accordance with OEA format requirements (see Task 3).
- d. Final Hybrid Project Executive Summary of MIR and CU interrelated study findings and recommendations. The City will provide a digital copy to OEA as a grant deliverable.
- e. An “after action report” for OEA to assess effectiveness of MIR/CU hybrid study approach. The City will provide a digital copy to OEA as a grant deliverable.

Please attach any additional supporting documents (PDF Only)

Budget

Salary and Fringe

Position	OEA Salary	Non-Federal Salary	OEA Fringe	Non-Federal Fringe	Total Salary	Total Fringe	Total
City Manager	\$0	\$9,865	\$0	\$2,960	\$9,865	\$2,960	\$12,825
Finance Director	\$0	\$10,385	\$0	\$3,115	\$10,385	\$3,115	\$13,500
Senior Admin. Analyst	\$0	\$9,087	\$0	\$2,726	\$9,087	\$2,726	\$11,813
Financial Services Mgr.	\$0	\$7,800	\$0	\$2,340	\$7,800	\$2,340	\$10,140
	\$0	\$37,137	\$0	\$11,141	\$37,137	\$11,141	\$48,278

Total Personnel

	OEA Funds	Non-Federal Funds	Total
Total Salaries + Fringe Benefits	\$0	\$48,278	\$48,278

Travel

Description	Local/Out-of-Area	OEA Funds	Non-Federal Funds	Total
One person to attend two Defense-related conferences	Out-of-Area	\$0	\$4,532	\$4,532
Grant-related vehicle mileage travel reimbursement @ current Federal rate	Local	\$0	\$1,468	\$1,468
		\$0	\$6,000	\$6,000

Equipment

Description	OEA Funds	Non-Federal Funds	Total
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Supplies

Description	OEA Funds	Non-Federal Funds	Total
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Working and presentation materials (flip charts, markers, pens, paper, binders, folders)	\$0	\$1,748	\$1,748
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	\$0	\$1,748	\$1,748
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Other Costs

Description	OEA Funds	Non-Federal Funds	Total
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Printing of meeting exhibits & handouts, copies of all final reports for City & stakeholder.	\$0	\$2,622	\$2,622
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	\$0	\$2,622	\$2,622
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Subtotal Operations

	OEA Funds	Non-Federal Funds	Total
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SUBTOTAL OPERATIONS	\$0	\$58,648	\$58,648
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Contractual

Description	OEA Funds	Non-Federal Funds	Total
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Extension of current contract for professional services firm Bridge View Resources to manage the design and execution of the grant scope of work, including project management, data collection, analysis, public outreach, committee coordination, report development and production, and presentations. Contract with amendments attached to Budget Justification.	\$1,364,930	\$93,011	\$1,457,941
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	\$1,364,930	\$93,011	\$1,457,941
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Total Direct Costs

	OEA Funds	Non-Federal Funds	Total
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Total Direct Costs	\$1,364,930	\$151,659	\$1,516,589
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Indirect

Description	OEA Funds	Non-Federal Funds	Total
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Grand Total

	OEA Funds	Non-Federal Funds	Total
Grand Total	\$1,364,930	\$151,659	\$1,516,589

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. Vandenberg AFB CU - City of Lompoc	12.610	\$1,364,930.00	\$151,659.00	\$0.00	\$0.00	\$1,516,589.00
2.		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
3.		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4.		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5. Totals		\$1,364,930.00	\$151,659.00	\$0.00	\$0.00	\$1,516,589.00

Section B - Budget Categories

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	Federal Grant Program, Function or Activity (1)	Non Federal Grant Program, Function or Activity (2)	(3)	(4)	
a. Personnel	\$0.00	\$37,137.00			\$37,137.00
b. Fringe Benefits	\$0.00	\$11,141.00			\$11,141.00
c. Travel	\$0.00	\$6,000.00			\$6,000.00
d. Equipment	\$0.00	\$0.00			\$0.00
e. Supplies	\$0.00	\$1,748.00			\$1,748.00
f. Contractual	\$1,364,930.00	\$93,011.00			\$1,457,941.00
g. Construction	\$0.00	\$0.00			\$0.00
h. Other	\$0.00	\$2,622.00			\$2,622.00
i. Total Direct Charges (sum of 6a-6h)	\$1,364,930.00	\$151,659.00			\$1,516,589.00
j. Indirect Charges	\$0.00	\$0.00			\$0.00
k. TOTALS (sum of 6i and 6j)	\$1,364,930.00	\$151,659.00			\$1,516,589.00
7. Program Income	\$0.00	\$0.00			\$0.00

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.	\$0.00	\$0.00	\$0.00	\$0.00
10.	\$0.00	\$0.00	\$0.00	\$0.00
11.	\$0.00	\$0.00	\$0.00	\$0.00
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	\$1,202,181.00	\$227,177.00	\$364,538.00	\$435,851.00	\$174,615.00
14. Non-Federal	\$113,853.00	\$24,807.00	\$33,565.00	\$38,376.00	\$17,105.00
15. TOTAL (sum of lines 13 and 14)	\$1,316,034.00	\$251,984.00	\$398,103.00	\$474,227.00	\$191,720.00

Section E - Budget Estimates of Federal Funds Needed for Balance of The Project

(a) Grant Program	FUTURE FUNDING PERIODS (YEARS) SECTION			
	(b) First	(c) Second	(d) Third	(e) Fourth \$
16. Vandenberg AFB CU - City of Lompoc	\$1,316,034.00	\$200,555.00	\$0.00	\$0.00
17.	\$0.00	\$0.00	\$0.00	\$0.00
18.	\$0.00	\$0.00	\$0.00	\$0.00
19.	\$0.00	\$0.00	\$0.00	\$0.00
20. TOTAL (sum of lines 16 - 19)	\$1,316,034.00	\$200,555.00	\$0.00	\$0.00

Section F - Other Budget Information

21. Direct Charges:	22. Indirect Charges:
23. Remarks:	

Jasmine McGinty

PROFESSIONAL EXPERIENCE

SENIOR ADMINISTRATIVE ANALYST

City of Lompoc

Administration, City Manager's Office, January 2019 – present

- Direct project support to the City Manager's Office
- Represents the department at meetings, conferences, advisory boards, community organizations, City Council
- Plans and oversees projects, events, and contracts for the City Manager's office
- Prepares staff reports and presentations for the City Council and City Manager
- Conducts research and prepares reports relating to special projects for the City of Lompoc
- Develops budget priorities and assists in preparation of biennial budget materials
- Conducts outreach and facilitates community information, education and marketing meetings

DEVELOPMENT PROGRAMS SPECIALIST II

City of Lompoc

Economic & Community Development, November 2017 to January 2019

- Project management, receives, reviews applications for economic and community development programs, including Community Development Block Grant programs
- Represents the department at meetings, conferences, advisory boards, community organizations, City Council
- Oversees City social media and website platforms
- Prepares staff reports and presentations for City Council and community events
- Evaluates and recommends changes to procedures and operations to improve program efficiency
- Manages and maintains business and development programs, develops processes for greater efficiency
- Assists in monitoring program expenditures, monitors project and program budgets
- Assists the business community by providing site location information and consultation regarding planning and coordinating project review and permit processing arrangements
- Oversees 22 member volunteer member economic development committee

DEVELOPMENT PROGRAMS SPECIALIST I

City of Lompoc

Economic & Community Development, January 2016 to November 2017

- Develops and maintains programs including business recruitment, retention, and expansion programs
- Arranges, coordinates and manages various special events, meetings, and forums
- Develops marketing materials, website, social media development and marketing programs
- Coordinates with agencies, consultants, and City personnel on contract term negotiation
- Supports assigned committees and boards, prepares agendas, minutes, staff reports and presentations
- Answers program inquiries and performs research and analytical duties

MEMBERSHIPS, BOARDS

- Feb. 2019 -Lompoc Unified School District – Career & Technical Education Board Member
- June 2018- Allan Hancock College Ambassador Program
- April 2016 – present: California Association for Local Economic Development (CALED) member

EDUCATION

Master of Business Administration

California State University, San Bernardino

Dual Degrees: Bachelor of Arts, Urban Studies & Planning and Bachelor of Arts, Communication

University of California, San Diego