

Proposal Full View

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Applicant Information

Organization Name: Santa Barbara County Fire Department *

Tax ID: 51019641

Proposal Name: Protection of Downtown Santa Barbara Drinking Water and Surface Water Quality by Implementation of Cleanup Prioritization Strategy *

Proposal Objective: The Goal of this project is to protect drinking water and surface water by prioritizing cleanup and closure of contaminated sites that are polluting shallow groundwater and pose a risk to public health. *

Budget

Other Contribution	\$0.00
Local Contribution	\$0.00
Federal Contribution	\$0.00
Inkind Contribution	\$0.00
Amount Requested	\$215,558.00 *
Total Project Cost	\$215,558.00 *

Geographic Information

Latitude * DD(+/-) 34 MM 25 SS 14

Longitude * DD(+/-) -119 MM 41 SS 50

Longitude/Latitude Clarification: These coordinates mark the general center of downtown Santa Barbara, the focus of our project.

Location: The project will be limited to downtown Santa Barbara; generally bounded by the Pacific Ocean, Milpa

County: Santa Barbara *

Ground Water Basin: Santa Barbara

Hydrologic Region: Central Coast

Watershed: South Coast

Legislative Information

Assembly District: 35th Assembly District *

Senate District: 19th Senate District *

US Congressional District: District 23 (CA) *

Project Information

Project Name: Protection of Downtown Santa Barbara Drinking Water and Surfa

Implementing Organization	Santa Barbara County Fire Department
Secondary Implementing Organization	
Proposed Start Date	5/7/2013
Proposed End Date	6/27/2014
Project Scope	This project will prioritize risks to the groundwater basin in the downtown area of Santa Barbara.
Project Description	The downtown area of Santa Barbara has one of the densest occurrences of clean up sites in the Central Coast region. Contamination results from leaking underground storage tanks, former dry cleaner and industrial solvent release sites and other land uses. This contamination threatens drinking water aquifers, surface water, and public health. The regulatory agencies responsible for cleanups are constrained to address each site on a case-by-case basis; currently there is no approach to perform a cumulative assessment of risk posed by shallow groundwater pollution to the groundwater basin as a whole. This project will build on existing information to document the regional geology and hydrogeology, fate and transport of pollutants throughout the basin, and identify those areas that pose the highest risk to human health and the environment. This understanding will allow regulatory agencies to prioritize assessment and cleanup of sites posing the highest risk. Additionally, this project will create a mechanism to improve on information sharing among the public and local agencies in Santa Barbara that work on water quality related issues. This information will be essential to the City for development of a Ground Water Management Plan. By implementing this project, agencies will improve the efficiency and effectiveness in addressing discharges from the cleanup sites to protect drinking water and surface water resources.

Project Objective	Develop a comprehensive database of all available information on polluted media (soil, groundwater, and surface water), hydrogeologic information, and sensitive receptors. Evaluate pollutants of concern and the risk these pollutants pose to the deep drinking water aquifer, surface water bodies, and public health. Develop appropriate prioritization criteria and identify the highest priority groundwater cleanup sites. Assure ongoing monitoring is adequate to document cleanup efforts.
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Project Benefits Information

Project Benefit Type	Benefit Type	Measurement	Description
Primary	Water Restoration	0	The benefit will be achieved by prioritizing pollution sources with highest risk to public health so as to focus source abatement and contamination cleanup. The agencies responsible for abatement and cleanup will collaborate in assessing cumulative risk of numerous existing contaminated sites through data sharing, risk assessment and prioritization. The assessment and resulting cleanup program will be based on a systematic evaluation of all data sources including past site specific evaluations, water supply studies, infrastructure mapping and monitoring.
Primary	Groundwater Management- Groundwater quality samples taken	0	The benefit will be achieved by evaluating the ability of current monitoring to identify the extent of, and potential horizontal and vertical migration of contaminated groundwater ("plumes"). By identifying sensitive receptors (such as municipal supply wells and recharge areas), and pathways of migration, monitoring can be established in any critical locations. The agencies responsible monitoring will collaborate in assessing current monitoring efforts based on the project's risk assessment and cleanup prioritization. Recommendations for monitoring program modifications will be provided in a written report. Data collected would be added to the project's data bases to improve agency and public access.
Primary	Watershed Protection- Water Quality Improvement	0	The benefit will be achieved by identifying pollution sources with highest risk to public health and identifying pathways by which public water supply wells could be affected. The City can then use the assessment of risk from numerous existing contaminated sites to identify the optimum use of its existing groundwater resources. Results from ongoing monitoring will allow the City to make changes to management of its water supply based on results of ongoing cleanup activities.
Primary	Management Plans- Groundwater	0	The benefit will be achieved by assessing cumulative risk of numerous existing contaminated sites through data sharing, risk assessment and prioritization. This will result in prioritizing pollution sources with highest risk to public health so as to focus source abatement and contamination cleanup. The assessment and resulting cleanup program will be based on a systematic evaluation of all data sources including past site specific evaluations, water supply studies, infrastructure mapping and monitoring. Understanding risk and more efficient site cleanup will allow the City of develop a better groundwater management plan. A systematic evaluation of risk based on cumulative knowledge is not achievable under the current regulatory and funding framework.

Project Objective

Budget

Other Contribution	0
Local Contribution	0

Federal Contribution	0
Inkind Contribution	0
Amount Requested	215558
Total Project Cost	215558

Geographic Information

Latitude DD(+/-)	34	MM 25	SS 14
Longitude DD(+/-)	-119	MM 41	SS 50

Longitude/Latitude Clarification: These coordinates mark the general center of do
 Location: The project will be limited to downtown Santa Barba
 County Santa Barbara Ground Water Basin Santa Barbara Hydrologic Region Central Coast WaterShed
 South Coast

Legislative Information

Assembly District	35th Assembly District
Senate District	19th Senate District
US Congressional District	District 23 (CA)

Section : Applicant Information and Question's Tab

APPLICANT INFORMATION AND QUESTION'S TAB

Q1. Applicant Information

Provide the agency name, address, city, state, and zip code of the applicant submitting the application.
 Santa Barbara County Fire Department 4410 Cathedral Oaks Rd. Santa Barbara, CA 93110

Q2. Proposal Description:

Provide a brief abstract of the Proposal. This abstract must provide an overview of the proposal including the main issues and priorities addressed in the proposal. Within the abstract, please describe how the proposal relates to the GWMP's BMO's.

The Goal of this project is to protect drinking water and surface water by prioritizing cleanup and closure of contaminated sites that are polluting shallow groundwater and pose a risk to public health. The project is necessary because the current regulatory and fiscal context significantly constrain the assessment of public risk from sites of known contamination. In the Santa Barbara area there are no efforts currently undertaken to identify where polluted shallow groundwater could reach deeper drinking water sources. Additionally, if hydrogeologic conditions change (i.e., the City of Santa Barbara operates their municipal supply wells on a continuous basis during drought conditions) existing shallow groundwater contamination may migrate toward these wells, or downward through semi-confining zones. Groundwater pollutants may also reach creeks in Santa Barbara, potentially harming wildlife prior to discharging to the ocean. Therefore, there is a real need to understand the extent, characteristics, and risk posed by shallow polluted groundwater, even occurrences that may not have been discovered yet. The project will provide four significant benefits: 1. Prioritize site cleanup on a full understanding of sources, fate and transport of pollutants, 2. Protect a major drinking water source from numerous and proximate sources of existing contamination, 3. Improve management of a major drinking water source, and 4. Improve existing surface and ground-water monitoring efforts. The project will be meet its objectives through a series of interrelated tasks, 1. Compile existing data and reports related to polluted soil, groundwater, and surface water, 2. Develop a groundwater basin conceptual model and identify exposure pathways and receptors, 3. Rank/prioritize open cleanup sites, and 4. Identify data gaps and recommend improved monitoring 5. Improve public outreach and understanding The project will be managed by the Santa Barbara County Fire Department with collaboration of the Central Coast Regional Water Quality Control Board, the Department of Toxic Substances Control and the City of Santa Barbara. The Project will allow the City of Santa Barbara to develop a meaningful Groundwater Management Plan through consideration of risk of water quality degradation as well as water availability.

Q3. Project Director:

Provide the name and details (including email) of the person responsible for executing the grant agreement for the applicant. Persons that are subcontractors to be paid by the grant cannot be listed as the Project Director.
 Eric Peterson 4410 Cathedral Oaks Rd. Santa Barbara, CA 93110 805-681-5554 eric.peterson@sbcfire.com

Q4. Project Manager:

Provide the name and contact information (including email) of the Project Manager from the applicant agency or organization that will be the day-to-day contact on this application.
 Paul McCaw 1430 Mission Dr. Solvang, CA 93463 805-686-8171 paul.mccaw@sbcfire.com

Q5. Additional Information:

Based on the region's location, what is the applicable DWR region office (Northern, North Central, South Central, or Southern)? The following link can be used to view each DWR region office boundaries:

http://www.water.ca.gov/groundwater/groundwater_basics/gw_contacts_info.cfm

- 1) Northern Region
- 2) North Central Region
- 3) South Central Region
- 4) Southern Region

Q6. Additional Information:

Provide the Date of GWMP Adoption, if any, and list the pursuant Water Code Section or other legal Authority in which it was adopted.

The City enjoys "pueblo" water rights thus retains full control of the groundwater resources beneath the City. The City manages the groundwater basin consistent with the City Long-Term Water Supply Alternatives Analysis & Urban Water Management Plan (1991) and Urban Water Management Plans developed in 2005 and updated in 2010. In the past the City has determined that a Groundwater Management Plan has not been needed given their level of control and the current level of development. The City Public Works Department has included development of a Ground Water Management Plan in its proposed FY 2013-14 Work Plan; this grant would support and encourage their efforts.

Q7. Additional Information:

Provide a list of documents that support and indicate collaboration with other local public agencies with regard to the management of the affected groundwater basin (e.g., MOUs, MOAs, JPAs, adoption of a GWMP, recognition of county ordinances in permitting processes, or party to a groundwater basin adjudication order).

1) Memorandum of Understanding (MOU) among 28 public agencies to Participate in the State-wide Proposition 84 Process and Revise the Area-wide Integrated Regional Water Management Plan (IRWMP) In Santa Barbara County (2006 copy attached). The MOU has been updated and signed annually since its inception. 2) Santa Barbara County Integrated Regional Water Management Plan, 2007. (available at: <http://www.countyofsb.org/irwmp/irwmp.aspx?id=39044>) 3) Santa Barbara General Plan, Safety and Public Services Element, last updated in December 2011: Groundwater Management Analysis: A more sophisticated modeling of groundwater resources should be used to evaluate new opportunities for optimizing the conjunctive use of groundwater. Improved tools for tracking the current state of groundwater basins should be developed, particularly with regard to seawater intrusion. Local GW recharge, including direct and in-lieu recharge, should be assessed for economic, regulatory, and technical feasibility. Through several agreements local, state, and federal agencies oversee activities that affect the beneficial uses of the Region. 4) County of Santa Barbara and State Water Board No. 11-015-250 Contract, February 17, 2011 5) Santa Barbara County Inter-Agency Coordination Agreement Regarding Oil Field/Lease Decommissioning/Restoration, February 9, 1999 Through this agreement the Fire Department works cooperatively with Central Coast Water Board to implement the California Water Code and cleanup the Santa Barbara groundwater basin pursuant to Contract No. 11-015-250 (February 17, 2011) between the State Water Board and the Fire Department, and pursuant to the Inter-Agency Agreement (February 9, 1999). The Contract titled, County of Santa Barbara State Water Board No. 11-015-250, states the Fire Department shall oversee corrective action and perform regulatory and administrative activities in implement the oversight of corrective action of unauthorized releases from USTs. 6) Memorandum of Agreement Between the Department of Toxics Substances Control and The State Water Resources Control Board and the Regional Water Quality Control Board and The California Environmental Protection Agency for the Oversight and Investigation and Cleanup Activities at Brownsfield Sites, March 1, 2005. 7) Memorandum of Agreement between the State Water Resources Control Board and the Department of Conservation Division of Oil and Gas, 1988 outlines the procedures for reporting proposed oil, gas, and geothermal field discharges.

Q8. Additional Information

Name the entity(ies) providing the fund(s) reported in the above Budget section under the category "Other Contribution". If there are no "Other Contributions" Please answer this question with, "No Other Contributions".

No Other Contributions are anticipated for this project.

Q9. Eligibility:

List the urban water suppliers that will receive funding from the proposed grant. Please provide the agency name, a contact phone number and email address. Those listed must submit self certification of compliance with CWC §525 et seq. and AB1420, see Attachment 10. If there are none, so indicate.

The applicant is not a water supplier. The local water supplier is the City of Santa Barbara. The City is not the applicant because the City has no direct jurisdiction over contamination assessment and abatement. However the City is fully compliant with CWC §525 et seq. and AB1420, and has provided self certification through the Integrated Regional Water Management Plan process and a separate LGA grant application.

Q10. Eligibility:

Have all of the urban water suppliers, listed in Q9 above, submitted complete 2010 UWMP to DWR? If not, explain why. Have those plans been verified as complete by DWR? If not, explain current status.

As required, the City of Santa Barbara submitted Urban Water Management Plans to DWR for 2005 and 2010. The 2010 UWMP may be reviewed at: <http://www.santabarbaraca.gov/NR/rdonlyres/B9E0F766-6384-480A-A944-0F87003F8882/0/UWMPCityofSantaBarbara2010UpdateFINAL.pdf>

Q11. Completeness Check:

Have all of the fields in the application been completed?

Yes

Q.11. Completeness Check (cont)

If no, please explain. If yes, answer this question with "NA".

NA

Section : Application Attachments Tab

APPLICATION ATTACHMENTS TAB

Attachment 1. Authorizing Documentation

Upload authorizing documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att 01_LGA12_SBCFD_AuthDoc_1of1.pdf

Attachment 2. Eligible Applicant Documentation

Upload eligible documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att 02_LGA12_SBCFD_EligDoc_1of1.pdf

Attachment 3. Status of GWMP

Upload the GWMP documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att 03_LGA12_SBCFD_GWMP_1of2.pdf,Att 03_LGA12_SBCFD_GWMP_2of2.pdf

Attachment 4. Project Description

Upload project description here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att 04_LGA12_SBCFD_ProjD_1of2.pdf,Att 04_LGA12_SBCFD_ProjD_2of2.pdf

Attachment 5. Work Plan

Upload work plan here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att 05_LGA12_SBCFD_WrkPln_1of1.pdf

Attachment 6. Budget

Upload budget here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att 06_LGA12_SBCFD_BUDGET_1of3.pdf,Att 06_LGA12_SBCFD_BUDGET_2of3.pdf,Att 06_LGA12_SBCFD_BUDGET_3of3.pdf

Attachment 7. Schedule

Upload schedule here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att 07_LGA12_SBCFD_SCHED_1of1.pdf

Attachment 8. Quality Assurance

Upload quality assurance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att 08_LGA12_SBCFD_QA_1of1.pdf

Attachemnt 9. Past Performance

Upload past performance documentation here. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att 09_LGA12_SBCFD_PERFORM_1of1.pdf

Attachment 10. AB1420 and Water Meter Implementation Compliance

Upload 1420 and water meter implementation documentation here, if applicable. Ensure file name is consistent with the LGA Grant PSP, Section II. "How to Submit An Application".

Last Uploaded Attachments: Att 10_LGA12_SBCFD_1420_1of1.pdf
