

## **Grant Proposals for Strategic Goal 3**

**Ensure sufficient voice and data communication capabilities are in place to allow for effective inter-agency, multi-jurisdictional communication.**

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# FY09 State Homeland Security Grant Program Project Proposal Form

Complete items 1-16 on the Project Proposal Form. Departments should turn in a completed Project Proposal Form and Budget Worksheet (excel document) for each project they are submitting. All project proposals and their corresponding budget worksheets must be submitted electronically to [xushie.brue@sfgov.org](mailto:xushie.brue@sfgov.org) by June 26, 2009.

1. Department: San Francisco Public Utilities Commission
2. Point of Contact: Greg Suhr
3. Phone: 415-601-4483
4. Email: [Gsuhr@sfwatre.org](mailto:Gsuhr@sfwatre.org)
5. Project Title: Homeland Security

6. Below are the six National Overarching Priorities that have been identified by the Federal Department of Homeland Security as the priorities for FY09 funding. Please check the priority that will be directly supported by this Project. (check only one box on the left side)

- 1. Measures progress in achieving the National Preparedness Guidelines
- 2. Strengthen preparedness planning
- 3. Strengthen (IED) attack deterrence, prevention, and protection capabilities
- 4. Strengthen Preventive Radiological/Nuclear Detection Capabilities
- 5. Strengthen Information Sharing and Collaboration Capabilities
- 6. Strengthen Medical Surge and Mass Prophylaxis

7. Complete the FY09 SHSGP Budget Worksheet and insert the amount of funding that is being requested for each Program Category. (check the appropriate box(es) on the left side)

Program Category	Funding Request
<input type="checkbox"/> Planning	\$ 0
<input checked="" type="checkbox"/> Equipment	\$ 928,982.08

**Total Project Costs: \$ 928,982.08**

Note: "Total Project Costs" on this form should match the "Total Project Costs" calculated in the budget worksheet.

All Training and Exercise request will go through the Training & Exercise Committee, and refer to <http://mission.sfgov.org/doccenter/DocAdminList.asp> x or contact Jill Raycroft at [jill.raycroft@sfgov.org](mailto:jill.raycroft@sfgov.org)

8. Program Sub-category: Once you have identified the program category above (planning, and equipment), please select the sub-category that the project fits in based on the list below. The list below accounts for all eligible grant expenditures. If your project does not fit into one of the sub-categories, please contact the grant program manager to ensure your project is grant eligible.

Planning	Equipment
<ul style="list-style-type: none"> <li><input type="checkbox"/> Develop scenario plans that incorporate the range of prevention, protection, response, and recovery activities for a scenario</li> <li><input type="checkbox"/> Develop and implement homeland security support programs and adopting ongoing DHS national initiatives</li> <li><input type="checkbox"/> Develop related terrorism prevention activities</li> <li><input type="checkbox"/> Develop and Enhance Plans and Protocols</li> <li><input type="checkbox"/> Develop or Conduct Assessments</li> <li><input type="checkbox"/> Hiring of full- or part-time staff or contract/consultants to assist with planning activities (not for the purpose of hiring public safety personnel fulfilling traditional public safety duties)</li> <li><input type="checkbox"/> Conferences to facilitate planning activities</li> <li><input type="checkbox"/> Travel/per diem related to planning activities</li> <li><input type="checkbox"/> Overtime and backfill costs (IAW operational Cost Guidance)</li> <li><input type="checkbox"/> Other project areas with prior approval from FEMA</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Personal Protective Equipment</li> <li><input type="checkbox"/> Explosive Device Mitigation and Remediation Equip</li> <li><input type="checkbox"/> CBRNE Search and Rescue Equipment</li> <li><input type="checkbox"/> Interoperable Communications Equipment</li> <li><input type="checkbox"/> Detection Equipment</li> <li><input type="checkbox"/> Decontamination Equipment</li> <li><input type="checkbox"/> Physical Security Enhancement Equipment</li> <li><input type="checkbox"/> Terrorism Incident Prevention Equipment</li> <li><input type="checkbox"/> CBRNE Logistical Support Equipment</li> <li><input type="checkbox"/> CBRNE Incident Response Vehicle</li> <li><input type="checkbox"/> Medical Supplies and Limited Types of Pharmaceuticals</li> </ul>
<ul style="list-style-type: none"> <li><input type="checkbox"/> CBRNE Reference Materials</li> <li><input type="checkbox"/> Agriculture, Terrorism Prevention, Response and Mitigation Equip</li> <li><input type="checkbox"/> CBRNE Response Watercraft</li> <li><input type="checkbox"/> CBRNE Aviation Equipment</li> <li><input type="checkbox"/> Intervention Equipment</li> <li><input type="checkbox"/> CERT Team Member and Volunteer Responder Equip</li> <li><input type="checkbox"/> Cyber Security</li> <li><input type="checkbox"/> Information Technology</li> <li><input type="checkbox"/> Other Authorized Equipment, contact grant program manager prior to selected this sub-category</li> </ul>	

9. If your project is an equipment request, please find the Authorized Equipment List number from the [www.rkb.us](http://www.rkb.us) website and list it on the FY09 Budget Worksheet. WITHOUT AN AEL NUMBER THE REQUEST IS INELIGIBLE. There will be a separate AEL# for each type of equipment that is being purchased.

**Project Narrative:** Please note that the spaces below will expand & rollover to the next page as text is entered, and thus you are not limited to the amount of narrative provided per space.

10. Is this a new project? If not, provide the project name, the grant title and year funded, along with the TOTAL amount of grant funding that this project has received to date.

11. Project Description. This response should include the current state of the project, objectives that will be accomplished, capability gap that this project is intended to address and accomplishments to date supporting the project.

12. Please provide the major milestones for this project and a timeline that ensures the project will be started within 90-days of receiving the grant award and completed by the end of the grant performance period (performance period ends September, 2014).

13. In the table below, please identify the state investment justification(s) and strategic plan goal(s) that your project supports. Check at least one box from Sections I and one box from Section II.

I. State investment Justifications (check one or more):

1.  Strengthen communications capabilities
2.  Strengthen information sharing, collaboration capabilities and law enforcement investigations
3.  Strengthen medical and public health preparedness
4.  Enhance protection of critical infrastructure and key resources (enhance transportation and maritime security)
5.  Citizen preparedness and participation
6.  Enhance agriculture, food systems and animal health preparedness
7.  Enhance catastrophic incident planning, response and recover
8.  Enhance Homeland Security exercise, evaluation and training programs

II. City and County of San Francisco All-Hazards Strategic Plan (circle one or more):

1.  Develop, maintain, and sustain a citywide, comprehensive, risk-based emergency management and homeland security program
2.  Enhance the City's emergency management and homeland security training and exercise program
3.  Ensure sufficient voice and data communication capabilities are in place to allow for effective inter-agency, multi-jurisdictional communication.
4.  Improve community disaster preparedness and response capabilities
5.  Secure the City leadership's commitment and adequate, sustainable funding for emergency management and homeland security capabilities, and define the DEM/DES role.
6.  Build the City's threat gathering and analysis capabilities
7.  Strengthen chemical, biological, radiological, nuclear and explosive detection capabilities
8.  Develop and implement a comprehensive critical infrastructure protection program
9.  Ensure consistent use of the National Incident Management System and Incident Command System
10.  Improve the functional and operational capabilities of Department Operating Centers
11.  Identify and formalize a resource logistics and distribution strategy.
12.  Coordinate and participate in regional efforts to effectively utilize volunteers
13.  Coordinate and participate in regional efforts to effectively manage donations
14.  Improve chemical, biological, radiological, nuclear and explosive/weapons of mass destruction/hazardous materials response and decontamination capabilities
15.  Work with regional groups to develop evacuation and/or shelter-in-place plans and procedures
16.  Strengthen joint information center and emergency public information and warning capabilities
17.  Enhance public health, healthcare, and medical examiner readiness
18.  Strengthen mass care (sheltering, feeding, and related services) capabilities
19.  Enhance structural damage assessment capabilities
20.  Build the City's capabilities to restore lifelines and facilitate economic and community recovery following a major incident

14. Describe how the project supports the identified Strategic Plan goals.

San Francisco's regional water system is one of the most critical pieces of water infrastructure in the western United States.

15. Is the project regional in nature? If yes, please explain. (Projects with a regional scope may be eligible for additional funding opportunities.)

The project is regional in nature as San Francisco's Water System is a regional Water system providing drinking water to 2.4 million people in the Bay Area and beyond.

16. How does enhancing the local capabilities enhance the regional capabilities? By enhancing local capabilities here in San Francisco in San Francisco it allows us to then expand these enhancements

to the rest of the system.

Project Description	Final Deliverable (What plan will be completed at the end of this project?)	Anticipated Completion Date	Program Category	Planning Cost
				\$ -
<b>Total</b>				<b>\$ -</b>

All columns must be completed. Planning projects with incomplete budgets will not be considered.

<b>Equipment</b>				
Equipment Description	Authorized Equipment List (AEL) go to: <a href="https://www.rkb.us/">https://www.rkb.us/</a>	AEL Title	Program Category	Equipment Cost
1 EA - LENE [SWS-ENTMAS1] - Lenel OnGuard Master Server Software License on CDROM - includes OnGuard Server software licenses for System Administration, License Server, Import, Replication Administration, Login Driver, CCTV interface, Video Verification, Guard Tour, E-mail interface, database segmentation and support for 128 local card access readers	05NP-00-SEIM	System, Security Event/Incident Management	Cyber Security Enhancement Equipment	\$ 49,992.00
6 EA - LENE [SWS-ENTREG1] - Lenel OnGuard Regional Server Software License on CDROM - includes OnGuard Server software licenses for System Administration, License Server, Import, Replication Administration, Login Driver, CCTV interface, Video Verification, Guard Tour, E-mail interface, database segmentation and support for 128 local card access readers	05NP-00-SEIM	System, Security Event/Incident Management	Cyber Security Enhancement Equipment	\$ 159,948.00
2 EA - LENE [SWC-IDADV] - Lenel OnGuard Client Software License on CDROM - includes OnGuard Client software licenses for CredentialCenter (enrollment, capture and printing), Cardholder Image Export, Enhanced Imaging option, BadgeDesigner and login Driver	05NP-00-SEIM	System, Security Event/Incident Management	Cyber Security Enhancement Equipment	\$ 6,984.00
6 EA - LENE [SWC-EDIT1ADV] - Lenel OnGuard Edit Software License on CDROM - Includes one (1) Edit Client Workstation Software License (view and edit cardholder database)	05NP-00-SEIM	System, Security Event/Incident Management	Cyber Security Enhancement Equipment	\$ 10,002.00
6 EA - LENE [SWC-ADV1] - Lenel OnGuard Client Software License on CDROM - includes OnGuard Client software licenses for System Administration, Alarm Monitoring, Communication Server, MapDesigner, Login Driver, CredentialCenter (enrollment, capture and printing), Cardholder Image Export, Enhanced Imaging option and BadgeDesigner	05NP-00-SEIM	System, Security Event/Incident Management	Cyber Security Enhancement Equipment	\$ 38,850.00
12 EA - LENE [SWS-DV] - OnGuard Video Security Server Software License on CD - Includes OnGuard digital video server software license, system administration for video, communication server for video, alarm monitoring for video, a single OnGuard digital video client license and first year support plan SUSP-W-DV	05NP-00-SEIM	System, Security Event/Incident Management	Cyber Security Enhancement Equipment	\$ 6,900.00
25 EA - LENE [SW-LNR-CH1] - Lenel IP-VideoManager Software on CD - includes a single channel software license for one IP/ Network based camera channel to be used with OnGuard Video Security Server Software	05NP-00-SEIM	System, Security Event/Incident Management	Cyber Security Enhancement Equipment	\$ 6,250.00
12 EA - LENE [LNL-3300] - Dual Host Path Intelligent System Controller - 12 VAC or 12 VDC, (5 year lithium battery or 3 months full run) 1 MB standard memory with two (2) on-board card reader ports	05NP-00-IDS	System, Intrusion Detection	Cyber Security Enhancement Equipment	\$ 21,900.00
12 EA - LENE [LNL-2200] - Dual Host Path Intelligent System Controller - 12 VAC or 12 VDC, (5 year lithium battery or 3 months full run) 1 MB standard memory with two (2) on-board card reader ports	05NP-00-IDS	System, Intrusion Detection	Cyber Security Enhancement Equipment	\$ 19,896.00
12 EA - LENE [LNL-1320] - Dual Reader Interface Module - 12 VAC or 12 VDC, 2 Reader interface W/M, 8 inputs, 6 (5A) form C relays (UL Approved)	05NP-00-IDS	System, Intrusion Detection	Cyber Security Enhancement Equipment	\$ 7,560.00
12 EA - LENE [LNL-1100] - Input Control Module - 12 VAC or 12 VDC, 16 zone input monitor module, (32) 1K resistors (with 2 programmable output relays) (UL Approved)	05NP-00-IDS	System, Intrusion Detection	Cyber Security Enhancement Equipment	\$ 8,496.00
12 EA - LENE [LNL-1200] - Output Control Module - 12 VAC or 12 VDC, 16 relay output control module (UL Approved)	05NP-00-IDS	System, Intrusion Detection	Cyber Security Enhancement Equipment	\$ 8,496.00

FY09 State Homeland Security Grant Program Project Budget Worksheet				
12 EA - LENEI [LNL-CK] - Display terminal Lenei Command Keypad - 32-character back-lit LCD display with a 16-position keypad, supports both direct RS-485 communication with the ISC and Wiegand TTL output, supports one external Wiegand input, 12VDC±15% @ 175mA (keypad only)	14SW-01-PACS	System, Physical Access Control	Physical Security Enhancement Equipment	\$ 4,620.00
50 EA EA - HID [6100BKN0007-G3] - iCLASS R10 READ ONLY contactless smart card reader w/digitail, Wiegand output, US/EU/Asian back box sizes, read range 1 to 3.5 inches (2.5 to 8.9 cm), 80/230mA Avg/Peak @ 12 VDC, color BLACK (artwork code L110317)	14SW-01-PACS	System, Physical Access Control	Physical Security Enhancement Equipment	\$ 13,500.00
50 EA EA - HID [6150AKT0000] - iCLASS R40 READ ONLY contactless smart card reader w/digitail, Wiegand output, US/EU/Asian back box sizes, read range 1 to 3.5 inches (2.5 to 8.9 cm), 80/230mA Avg/Peak @ 12 VDC, color BLACK (artwork code L110317)	14SW-01-PACS	System, Physical Access Control	Physical Security Enhancement Equipment	\$ 13,500.00
25 EA EA - BARAN [39201463] - iClass High Security Card Reader - solid metal high security tamper proof reader	14SW-01-PACS	System, Physical Access Control	Physical Security Enhancement Equipment	\$ 14,850.00
1000 EA EA - HID [20228G1MM] - iCLASS Contactless Smart Card, 16K bits with 16 application areas, 13.56 MHz direct printable, ISO standard dimensions, non-programmed, no external card numbering	14SW-01-PACS	System, Physical Access Control	Physical Security Enhancement Equipment	\$ 34,650.00
12 EA EA - ALTRONIX [AL600ULXP8CB] - 12VDC or 24VDC @ 6 amp, 115VAC input, AC and battery monitoring, Eight (8) PTC protected Class 2 Rated power limited outputs, grey enclosure 15.5"H x 12"W x 4.5"D UL/CUL Listed (UL294), (UL1481)	05NP-00-IDS	System, Intrusion Detection	Cyber Security Enhancement Equipment	\$ 3,996.00
12 EA EA - ALTRONIX [AL600ULXP16CB] - 12VDC or 24VDC @ 10 amp, 115VAC input, AC and battery monitoring, Eight (8) PTC protected Class 2 Rated power limited outputs, grey enclosure 15.5"H x 12"W x 4.5"D UL/CUL Listed (UL294), (UL1481)	05NP-00-IDS	System, Intrusion Detection	Cyber Security Enhancement Equipment	\$ 5,196.00
12 EA EA - ALTRONIX [PD8ULCB] - UL Recognized Power Distribution Module - Converts one input to eight (8) PTC protected outputs. Handles up to 28VAC/VDC.	05NP-00-IDS	System, Intrusion Detection	Cyber Security Enhancement Equipment	\$ 4,308.00
8 EA EA - ALTRONIX [ALTV244] - Four (4) fuse protected outputs. 24VAC @ 4 amp (100VA) or 28VAC @ 3.5 amp (100VA), 115VAC input. Grey enclosure 8.5"H x 7.5"W x 3.5"D.	05NP-00-IDS	System, Intrusion Detection	Cyber Security Enhancement Equipment	\$ 784.00
12 EA EA - Base Electronics [LV-8RS-N] - Base Electronics Low Voltage Power Distribution Module - The LV-8A distributes power from a low voltage source to eight (8) individually fused outputs for powering door locks, motion detectors, announcement devices and keypads.	05NP-00-IDS	System, Intrusion Detection	Cyber Security Enhancement Equipment	\$ 1,044.00
12 EA EA - Base Electronics [LV-8A] - Base Electronics Low Voltage Power Distribution Board - The LV-8A distributes power from a low voltage source to eight (8) individually fused outputs through output isolation relays or provide for eight (8) dry contact relay outputs	05NP-00-IDS	System, Intrusion Detection	Cyber Security Enhancement Equipment	\$ 564.00
6 EA EA - Kalatel [KTP-24-8] - Kalatel Camera Power Supply - Features eight (8) isolated 24 VAC outputs that can power devices requiring 1 amp or less. Each output is equipped with a resettable fuse.	05NP-00-IDS	System, Intrusion Detection	Cyber Security Enhancement Equipment	\$ 1,500.00
6 EA - Kalatel [KTP-00-24] - Kalatel Rack Mount Kit - A black anodized aluminum panel for the KTP-00-24 to be installed in a standard 19" rack.	05NP-00-IDS	System, Intrusion Detection	Cyber Security Enhancement Equipment	\$ 300.00
12 EA - Mobotix [M12D] - Mobotix M12D Megapixel IP Camera System - The M12D-Night has two (2) integrated image sensors and two lenses with built-in bidirectional audio, video motion detection and a passive IR sensor.	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$ 14,568.00
1 EA - LENEI [NDV-3U08-8] - Statewide Video Management System (VMS) - Budget Worksheet	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$ 11,683.00

10 EA - LENE1 [LCI-102-DX] - Lumenera - Lene1 Real Time Analytics IP network camera	14SW-01-VIDA	FY09 State	Homeland Security Grant Program	Physical Security Enhancement Equipment	\$ 22,900.00
12 EA - Longwatch [LWMOD 3ADD] - Longwatch Camera License	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	8,400.00
1 EA - Longwatch [LWMOD.1ADD] - Longwatch Video Control Center	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	650.00
3 EA - Longwatch [LWMOD.2ADD] - Longwatch Remote Video Engine	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	5,946.00
3 EA - Servision [MVG400] - Servision digital video recorder	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	2,700.00
25 EA - PROTECH [SDI-76XL2-MIL] - Microwave / PIR, Outdoor, Wide Angle High Density, 50AE X 50AE, DC Power "And Gate" XL2 Series	14SW-01-ALRM	Systems/Sensors, Alarm	Physical Security Enhancement Equipment	\$	21,750.00
25 EA - PROTECH [SDI-77XL2-DIR] - Microwave / Directional PIR, Outdoor, Medium Angle, 90AE X 50AE, DC Power "And Gate" XL2 Series	14SW-01-ALRM	Systems/Sensors, Alarm	Physical Security Enhancement Equipment	\$	22,500.00
25 EA - Comnet [CNFE2MC] - Comnet Ethernet Media Converter	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	13,750.00
12 EA - Comnet [SFP-2] - Comnet Fiber Receptable	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	1,500.00
12 EA - Comnet [CNFE22MC] - Comnet Dual Ethernet Converter	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	9,300.00
12 EA - Comnet [CNFE10MS] - Comnet 10 port Fast Ethernet Switch	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	25,800.00
12 EA - Comnet [FDX53] - Comnet Bi-directional data receiver	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	6,000.00
12 EA - Comnet [FDX55] - Comnet drop/repeat data transceiver	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	9,900.00
12 EA - Comnet [FVT/FVR8018] - Comnet daisy chain video link	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	58,800.00
25 EA - Viking [E-30 EWP] - Viking stainless steel harden intercom station	14SW-01-PACS	System, Physical Access Control	Physical Security Enhancement Equipment	\$	16,125.00
12 EA - USA Lighting [RNTS 204-11] - 20' Camera Pole	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	5,148.00
50 EA - Sate1 [3ASd 25 kHz] - Sate1 Radio Modem - security access control wireless communication	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	67,650.00
50 EA - Sate1 [Y10020] - Sate1 Radio Modem - IP link ethernet router	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	32,050.00
6 EA - Cisco [WS-C2960-8] - Cisco - camera ethernet switch	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	5,340.00
6 EA - Firetide [6201] - Firetide Wireless Mesh Node	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	14,970.00
6 EA - Firetide [6202] - Firetide Wireless Mesh Node	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	17,970.00
6 EA - Firetide [4600] - Firetide Wireless Access Point	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	5,970.00
6 EA - Firetide [2100 CPE] - Firetide HotClient License	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	1,770.00
12 EA - Qorvus [MeshCam] - Qorvus MeshCam - Long range wireless outdoor IP camera system	14SW-01-VIDA	Systems, Video Assessment, Security	Physical Security Enhancement Equipment	\$	23,244.00
10 EA - APC [SC1000] - APC Smart UPS SC 1000VA 120V-2U Rackmount/Tower	10PE-00-UPS	Supply, Uninterruptible Power (UPS)	Power	\$	3,400.00
				<b>Total</b>	<b>\$ 883,870.00</b>

All columns must be completed. Equipment projects with incomplete budgets will not be considered.

**Personnel**

Functional Title	New Position (Yes/No)	Civil Service Title	Class	Percentage of FTE Requested	Percentage of department will match*	Personnel Cost (including fringe)	Total Amount Requested
						\$	\$
						Total	\$

All columns must be completed. Personnel projects with incomplete budgets will not be considered. (Note: Grant funds can not be used to pay for existing general fund positions.)

\*Priority will be given to departments with matching funds.

**Total Project Cost \$ 883,870.00**