

CA - PMM

Project Name: Public Health Emergency Incident Management System (PHEIMS)
OCIO Project #:
Department: California Department of Public Health (CDPH)
Revision Date: 9/13/10

Concept Statement

Description

Brief description of the proposed project:

Funding Source: CDC Grant Funds (100% Federally Funded with CDC's Public Health Emergency Preparedness (PHEP) Cooperative Agreement)
Center: Emergency Preparedness Office (EPO)
Start Date: 01/03/2012
End Date: 12/31/2013
Is BCP Needed: No
CDPH 2008-2010 Strategic Plan: Goal 2(8,10)
CA IT Strategic Concepts and Actions outlined in the CDPH IT Capital Plan: Concept 1(1,2,3), Concept 3(2), 4(3), Concept 5(2) and Concept 6(3)
AIMS: Goal 1 (1,6), Goal 2(5), and Goal 4(3)
Project Description: The Emergency Preparedness Office (EPO) coordinates overall preparedness and response efforts for the California Department of Public Health (CDPH). This project aims to implement a statewide Incident Management system for use at the three Emergency Operations Centers (EOCs) to track pharmaceuticals and supplies that support the Strategic National Stockpile (SNS) program, Duty Officer incidents, and resources during exercises and incidents. The PHEIMS will provide real-time status of resources requested throughout an emergency following the Statewide Emergency Management System (SEMS), and provide resource deployment status. The PHEIMS will provide real-time information on the operational state of other public health departments on a regional or statewide basis.

Need Statement

High Level Capabilities Needed:

Disaster Planning and Preparation, Disaster Management, Interfaces to various stakeholders such as Local Health Departments, CDPH Emergency Operation Centers.

IT Projects will meet the requirements for accessibility for disabled persons as stipulated in the IT Policy Letter (ITPL) 10-10; State Management Manual (SAM) Sections 4819.2 and 4833; and State Administrative Manual (SAM) Sections 20, 25, 30.

CA - PMM

Project Name: Public Health Emergency Incident Management System (PHEIMS)

OCIO Project #: _____

Department: California Department of Public Health (CDPH)

Revision Date: 9/13/10

Concept Statement

What is Driving This Need?

The implementation of an Incident Response system will provide real-time resource tracking information necessary for an immediate response. This project supports the department's goals and objectives as follows:

Goal 2: Prepare for, Respond to, and Recover from Emergency Public Health Threats and Emergencies

This project will provide a real-time tracking system for the EOCs to monitor resources during emergencies and exercises. This system will have the ability to assist in a regional or statewide basis and provide real-time inventory tracking to support the state's SNS program. In addition, the system will capture incidents reported to the Duty Officer program.

Risk to the Organization if This Work is Not Done:

Failure to complete this project will slow CDPH's response time by continuing to require that information be gathered manually.

Benefit Statement

Intangible Benefits

Process Improvements (describe the nature of the process improvement):

With real-time information, the business outcomes include:

- the ability to immediately access critical information to determine where resources are located and/or needed,
- a system the duty officers and other response staff will have to record incidents,
- quickly identify After Action Report (AAR) and Completed Action Plan (CAP) issues to increase overall operational performance of the EOCs,
- provides CDPH real-time incident information on a statewide basis which enables CDPH with the ability to make key decisions to protect lives based on this information.

CA - PMM

Project Name: Public Health Emergency Incident Management System (PHEIMS)

OCIO Project #: [Redacted]

Department: California Department of Public Health (CDPH)

Revision Date: 9/13/10

Concept Statement

Other Intangible Benefits:

This project will increase CDPH's overall ability to collect critical regional or statewide information for immediate response during the event of an incident or emergency. The Incident Response system meets the mission of CDPH, which is dedicated to optimizing the health and well-being of the people in California along with a Core Activity of CDPH that includes preparing for, and responding to, public health emergencies. Ultimately, the Incident Response project may be used to save lives and better protect all Californians. Furthermore, this project directly aligns with the statewide Strategic Concepts and Strategies outlined in the CDPH IT Capital Plan as follows:

1. IT as Reliable As Electricity
 1. Make IT more reliable for state customers
 2. Make IT processes more efficient
 3. Meet higher standard of service
3. Self-Governance in the Digital Age
 2. Increase the availability and accessibility of government services and...
4. Information as an Asset
 3. Eliminate institutional barriers to the sharing of data and information
5. Economic and Sustainable
 2. Ensure the disaster resiliency of state's IT infrastructure
6. Facilitating Collaboration that Breeds Better Solutions
 3. Streamline access to government services and information assets

Tangible Benefits

Revenue Generation (describe how revenue will be generated):

N/A

Cost Savings (describe how cost will be reduced):

N/A

CA - PMM

Project Name: Public Health Emergency Incident Management System (PHEIMS)

OCIO Project #: [Redacted]

Department: California Department of Public Health (CDPH)

Revision Date: 9/13/10

Concept Statement

Cost Avoidance (describe the cost and how avoided):
N/A

Risk Avoidance (describe the risk and how avoided):
N/A

Improved Services:
Real-time tracking of resources will result in improved services and coordination that to support timely response.

Consistency

"No" Responses 		Rationale	Action Required
Enterprise Architecture	Yes	Although the Enterprise Architecture Planning is still in progress, we anticipate that the proposed project will be consistent with the organization's Enterprise Architecture.	
Business Plan	Yes		
Strategic Plan	Yes		

CA - PMM

Project Name: Public Health Emergency Incident Management System (PHEIMS)

OCIO Project #: [Redacted]

Department: California Department of Public Health (CDPH)

Revision Date: 9/13/10

Concept Statement

Impact to Other Agencies

Nature of Impact to Other Agencies

Agency: EMSA

Describe the nature of the impact:

The Emergency Medical Services Authority (EMSA) will use this system during an emergency incident. Information will need to be input real-time. Staffing needs to be determined.

Agency: Local Health Departments (LHDs)

Describe the nature of the impact:

LHDs throughout the State will use this system during an emergency incident. Staffing needs to be determined.

Agency:

Describe the nature of the impact:

N/A

Agency:

Describe the nature of the impact:

N/A

CA - PMM

Project Name: Public Health Emergency Incident Management System (PHEIMS)

OCIO Project #: [Redacted]

Department: California Department of Public Health (CDPH)

Revision Date: 9/13/10

Concept Statement

Solution Alternatives

Alternative 1:

Alternative Description: Purchase a Commercial Off-the-Shelf (COTS) or Modified COTS web-based system with real-time tracking, utilizing vendors for development.

Technical Considerations for Alternative 1:

Hosting Location: OTech

The assumption is that this system will be located at two separate sites to provide adequate redundancy of this critical 24/7/365 system.

ROM Cost: \$543,000 to \$1,629,000

Note: high end of range must not exceed 200% of low end of range

Alternative 2:

Alternative Description: Purchase a Commercial Off-the-Shelf (COTS) or modified COTS web-based system with real-time tracking, using state staff for development.

Technical Considerations for Alternative 2:

Hosting Location: OTech

The assumption is that this system will be located at two separate sites to provide adequate redundancy of this critical 24/7/365 system.

ROM Cost: \$414,500 to \$1,243,500

Note: high end of range must not exceed 200% of low end of range

CA - PMM

Project Name: Public Health Emergency Incident Management System (PHEIMS)

OCIO Project #: _____

Department: California Department of Public Health (CDPH)

Revision Date: 9/13/10

Concept Statement

Alternative 3:

Technical Considerations for Alternative 3:
ROM Cost: _____ to _____ Note: high end of range must not exceed 200% of low end of range

Recommendation

Comparison:

Alternative 1	ROM Cost	Risk
	\$543,000 - \$1,629,000	
Alternative 2	ROM Cost	Risk
	\$414,500 - \$1,243,500	
Alternative 3	ROM Cost	Risk
	\$0 - \$0	

Conclusions:

1	A COTS may be available, but it might not be easily modified to meet the State's needs for emergency planning and response.
2	A MOTS provides additional flexibility to meet changing needs.
3	CDPH EPO does not have the resources to develop this project.
4	

CA - PMM

Project Name: Public Health Emergency Incident Management System (PHEIMS)

OCIO Project #: [Redacted]

Department: California Department of Public Health (CDPH)

Revision Date: 9/13/10

Concept Statement

Recommendation:

We recommend alternative 1 for this project. This alternative supports CDPH 2008-2010 Strategic Plan Goals: 2 and CA IT Strategic Concepts and Strategies: 1(1,2,3), 3(2), 4(3), 5(2) and 6(3) and AIMS: 1(1,6) 2(5), 4(3).

Project Approach (if known)

System Complexity:		System Business Hours: (e.g., 24x7, 9am-5pm) :	
Architecture	<input type="checkbox"/> Mainframe <input type="checkbox"/> Client Server <input checked="" type="checkbox"/> Web Based	Num. of New Databases:	tbd
Technology	<input type="checkbox"/> New <input type="checkbox"/> New to Staff <input type="checkbox"/> In-House Experience	Interfaces:	
Implementation	<input checked="" type="checkbox"/> Central Site <input type="checkbox"/> Phased Roll-out	Num. of Sites:	2
M & O Support	<input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Data Center <input type="checkbox"/> Project <input type="checkbox"/> In House		
Procurement Approach: RFP			Number of Procurements: 1
Open Procurement?	Yes	Delegated Procurement?	
Scope of Contract	<input checked="" type="checkbox"/> Development <input checked="" type="checkbox"/> Implementation <input checked="" type="checkbox"/> M & O <input type="checkbox"/> Other:		
Anticipated Length of Contract:	2	Years /	extensions for years