

SACRAMENTO-SAN JOAQUIN DELTA REGIONAL FLOOD RESPONSE PROJECT

“Creating a unified response to Delta flood events”

Final List of Proposed Projects for Regional Grant Application



Delta Protection Commission
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GRANT OPPORTUNITY AND DELTA REGIONAL APPLICATION

DEPARTMENT OF WATER RESOURCES FLOOD PREPAREDNESS GRANT

In March 2011, the Department of Water Resources issued draft guidance for a new “Local Flood Emergency Planning, Preparedness, and Response Grant Program.” Funding for these grants comes from the Proposition 84 bond passed in 2006. One grant package with total available funds of \$5 million for Delta communications equipment was released in October 2011. A second grant package with total available funding of \$5 million for local flood preparedness and response projects is due to be released in early 2012. Local jurisdictions throughout the Central Valley can apply for funding under the second grant although DWR has indicated in the draft guidance that priority for this funding will be to the Delta.

SACRAMENTO-SAN JOAQUIN DELTA REGIONAL FLOOD RESPONSE PROJECT

Common past practice has been for eligible local jurisdictions to develop individual applications for funding when the State or Federal governments issue a grant to local government. In this case, the Delta Protection Commission is sponsoring an effort to bring local jurisdictions within the primary and secondary zones of the legal Delta together to jointly identify projects that would enhance flood response and then to jointly seek funding to implement them. This new approach allows Delta-wide and consistent response systems to be developed and efficiencies achieved in spending scarce public funds. The Delta Protection Commission agreed in May 2011 to be the lead applicant for any joint regional funding request developed by Delta agencies and jurisdictions. Delta counties, cities, and reclamation districts, and other interested agencies are now being asked to comment on proposed projects for the regional application and to indicate their participation through submission of a letter of support. A final grant application will be completed once final grant guidance is released by the State. All projects will be implemented in cooperation with CalEMA, DWR, and Federal agencies.

SB27 TASK FORCE RECOMMENDATIONS FOR IMPROVING FLOOD RESPONSE

In 2009, the Governor signed Senate Bill 27 which required the California Emergency Management Agency (CalEMA) to form a task force to develop a strategy for improving emergency response in the Sacramento-San Joaquin Delta. The task force was composed of a representative from each of the five Delta counties, the Department of Water Resources, and the Delta Protection Commission. The report is scheduled to be forwarded to the Governor and legislature in January 2012.

The SB27 Task Force recommendations parallel similar recommendations developed by a joint Delta county planning group in 2008. A summary of these recommendations, which are based on established concepts from the National Incident Management System (NIMS), is shown on the next page. Specific projects identified for possible inclusion in the regional grant application are based on those general preparedness recommendations.

Summary of General Preparedness Recommendations

The following is a summary of recommendations reflected in the SB27 Task Force Report and in previous Delta county flood response group reports outlining a strategy for improving emergency response and public safety in the Delta. The full SB27 report should be read when issued and is the authoritative source for the recommendations resulting from that process.

KEY RECOMMENDATIONS

Develop Sacramento-San Joaquin Delta Flood Catastrophic Incident Plan to include at a minimum the following:

Updated **Risk Assessment** for Delta Floods

Regional Multi-Agency Coordination System (Delta MACS) to improve resource management and information sharing during regional emergencies

Delta Interoperable Communications Plan for local and State responders

Common Regional Unified Command Framework to improve agency coordination

Regional Evacuation Plan for efficient evacuation and rescue of residents

Flood Contingency Maps for the entire Delta to improve flood fight operations

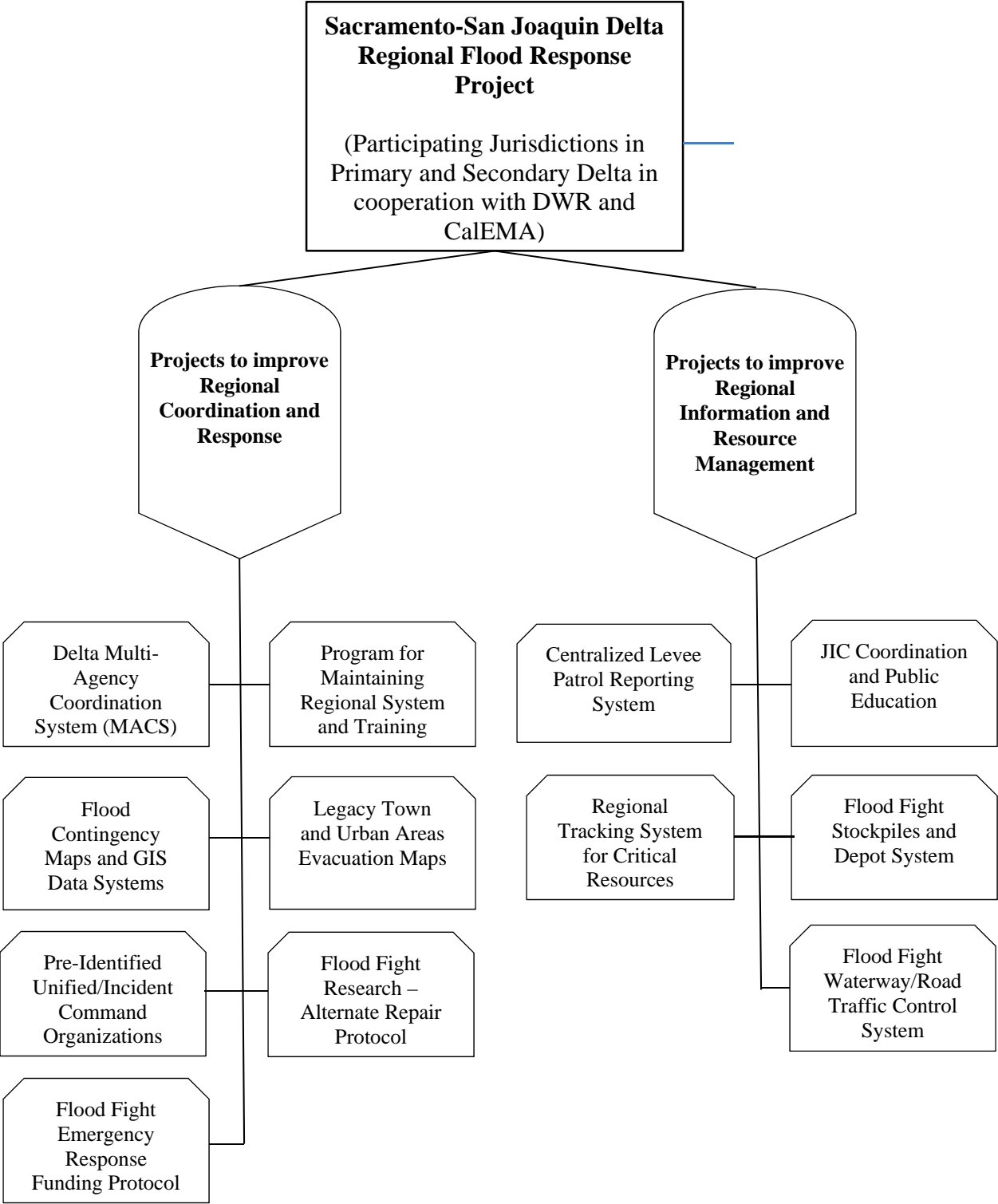
Flood Response and Flood Fight Resource Stockpiles to be placed strategically in Delta

Emergency Response Exercises for all hazards in the Delta

Training Plan for officials that would implement this regional system

Flood Fight Emergency Funding Protocol to eliminate potential delays in responding to levee problems due to lack of appropriations or cash at time of emergency

Proposed Regional Preparedness Projects



DESCRIPTION OF PROPOSED REGIONAL PREPAREDNESS PROJECTS

| Name of Project | Description of Final Product | Funding Request |
|--|---|---|
| Delta Multi-Agency Coordination System (MACS) – Regional Project #1 | Procedures, communications systems, and supplies for implementing a regional multi-agency coordination system that would help create a unified Delta area of operations. Identify & train staff and obtain needed equipment | \$250,000 to develop procedures and obtain equipment |
| Program for Maintaining Regional System and Training – Regional Project #2 | Develop a maintenance program for regional systems and a training program for Delta officials to meet FEMA requirements for disaster reimbursement and ensure effective response | \$75,000 to develop program and provide training guidelines |
| Flood Contingency Maps and Geographical Information Systems (GIS) data systems – Regional Project #3 | Flood contingency maps for entire Delta with preliminary engineering designs for emergency actions identified on maps such as relief cuts and emergency berms. Develop advanced GIS model for display and real-time update of maps. Flood Contingency maps will include evacuation information for rural, lightly populated areas. Develop GIS databases and information exchange systems on critical infrastructure for use in creating real-time maps and in EOCs. See www.sjmap.org/oesmg for examples. | \$1,100,000 to complete maps, engineering designs for emergency actions, and remote data collection systems |
| Legacy Town and Urban Areas Evacuation Maps – Regional Project #4 | Develop a series of separate maps for legacy towns and urbanized areas of the Delta showing detailed evacuation procedures for responders. Related maps for use by residents. Coordinated with CalEMA Regional Evacuation System. See www.sjmap.org/oesmg for examples. | \$250,000 to complete maps |
| Pre-identified Unified/ Incident Command Organizations – Regional Project #5 | Pre-identify Public Safety and Flood Fight Incident and Unified Commands in order to improve local operations as well as coordination between adjacent areas of Delta. | \$75,000 to plan commands, obtain supplies, and create Cmd Map |
| Centralized Levee Patrol Reporting System – Regional Project #6 | Develop a web-based or other easily accessible system to post real-time levee conditions to reduce problems that arise from lack of easily accessible information on the status of Delta levees and leveed areas | \$200,000 to develop patrol reporting tool and buy equipment |
| Joint Information Center Coordination and Public Education – Regional Project #7 | Develop tools/protocols to allow operational area joint information centers to share information through the MACS. Install public education and notification systems in operational areas | \$200,000 to develop protocols and design education systems |
| Flood Fight Research – Alternate Levee Breach Repair Protocol – Regional Project #8 | Design and test protocol for sealing breaches or underpasses with sheet pile or the USACE Rapid Repair of Levee Breaches (RRLB) devices to address the shortage of dredges for quickly placing rock and fill in potential multiple breaches and the need to rapidly fill underpasses | \$500,000 to develop and test protocols for use of sheet pile or USACE equipment |

**DESCRIPTION OF PROPOSED REGIONAL PREPAREDNESS PROJECTS,
Continued**

| Name of Project | Description of Final Product | Funding Request |
|---|---|--|
| Regional Tracking System for Critical Resources – Regional Project #9 | Web-based system for tracking exact location, status, and mission of resources identified as critical or limited by Delta MACS Group throughout the Delta. Agencies with critical resources could post their availability to allow rapid sharing and transport of the closest available resource to a problem site. System would allow mutual aid systems to better manage and move critical/limited resources within the Delta. | \$200,000 to create tracking system and operational procedures |
| Flood Fight Emergency Response Funding Protocol – Regional Project #10 | SB27 report calls for development of a protocol for ensuring funds are immediately available for engineering response to critical threats to levees. Project would explore modification of California Disaster Assistance Act or creation of new fund to ensure that response to critical levee problems is not delayed due to lack of appropriations, cash flow, or other possible sources of delay to action. | \$150,000 to determine basis for funding protocol and criteria and procedures for accessing and using advance funds |
| Flood Fight Resources Stockpiles and Depots System – Regional Project #11 | Develop flood fight resources stockpile and depot system to which all Levee Maintaining Agencies (LMA) have equal access. Coordinate with DWR stockpile programs to avoid overlap and duplication. Conduct an assessment of general needs for responding to levee problems and resources needed to implement specific emergency actions to contain floods identified in the flood contingency mapping process. Use results as a basis for system design | \$125,000 for Phase I - Design System and assess stockpile needs; \$600,000 for Phase II - Acquire resources |
| Flood Fight Resource Waterway and Roadway Traffic Control System – Regional Project #12 | Establish a traffic control system for the Delta similar to Coast Guard systems in the SF Bay that could monitor, route, and plan movement of critical supplies on roadways, waterways, and utilities in a disaster and also assist with movement of perishable commodities out of isolated agricultural areas. Ensure that the limited Delta transport system is used as effectively as possible, particularly if seriously impaired for long periods by extensive flooding. | \$250,000 to develop protocols and identify needed communications systems/organizational equipment to implement system in a disaster |

Project Prioritization Process

Projects will be prioritized by a focus group representing participating Delta jurisdictions once grant guidelines are released by the Department of Water Resources. All participating agencies can complete the form and provide to OES (counties/cities), engineers (RDs), or the facilitator.

Project Evaluation Form

Rank each project from 1 (Low) to 5 (High) for each evaluation criteria.

| Proposed Project | Importance to Overall Public Safety and Quality of Response | Project is best implemented by agencies together rather than separately | Less barriers to effectively implementing the project | Should be completed before other projects to improve their implementation |
|--|---|---|---|---|
| Project #1: Delta MACS | | | | |
| Project #2: Training and Maintenance | | | | |
| Project #3: Flood Contingency Maps | | | | |
| Project #4: Urban Evacuation Maps | | | | |
| Project #5: Pre-Identified Command Organizations | | | | |
| Project #6: Levee Patrol Reporting | | | | |
| Project #7: Public Information/Education | | | | |
| Project #8: Flood Fight Research | | | | |
| Project #9: Resource Tracking System | | | | |
| Project #10: Flood Fight Funding | | | | |
| Project #11: Flood Fight Depot System | | | | |
| Project #12: Delta Traffic Control | | | | |

NEEDED ACTIONS AND IMPLEMENTATION SCHEDULE

NOTE: The following action dates may need to be adjusted depending on State deadlines.

Actions Needed from Interested Reclamation Districts, Cities, and Counties

Action #1 – PROVIDE INPUT TO THIS PROPOSED REGIONAL PROJECT

Read this summary document and provide input on the proposed projects for possible inclusion in regional application. Provide your agencies thoughts on how potential projects should be prioritized for inclusion in funding requests.

Action #2 – PROVIDE SUPPORT AND COMMIT TO PARTICIPATE

Submit a letter of support to the Delta Protection Commission as soon as possible but no later than the date that any application must be submitted to the State (TBD). This does not need to be a governing body resolution but the letter needs to indicate your agency's strong support for a regional application and its willingness to participate in its implementation. DPC will need to show that local jurisdictions are behind this effort. **See Sample Letter of Support**

Implementation Schedule

- | | | |
|-------------------|---|--|
| March 2011 | - | Draft guidance for new DWR flood response grant released |
| May | - | Delta Protection Commission votes to be lead applicant for regional grant applications for the DWR grant |
| August- September | - | Delta Regional Flood Response Project initiated. |
| September-October | - | Document describing project and proposed projects distributed and meetings held in the Delta to solicit input and participation. |
| December | - | Final document describing proposed projects distributed |
| January 2012 | - | DWR releases final grant guidance (anticipated); projects for regional application finalized; regional outreach continues |
| February – March | - | Grant application period (anticipated); Submit regional application |
| April - June | - | DWR awards grants (anticipated) |
| Fall 2012 | - | Start work on regional flood response projects (anticipated) |

Attachment #1

Sample Letter of Support for Sacramento-San Joaquin Delta Regional Flood Response Project

Mr. Don Nottoli, Chair
Delta Protection Commission
14215 River Road
P.O. Box 530
Walnut Grove, CA 95690

Dear Sir:

SUPPORT FOR DELTA PROTECTION COMMISSION (DPC) REGIONAL FLOOD RESPONSE GRANT APPLICATION

By this communication, the [Name of Jurisdiction] indicates its support for the Delta Protection Commission's regional application for funding from the 2011 Department of Water Resources Flood Emergency Planning, Preparedness, and Response Grant to implement the Sacramento-San Joaquin Delta Regional Flood Response Project. We have reviewed the proposed regional application and its specific projects and agree that implementation of this regional project would significantly enhance the effectiveness of emergency response and improve public safety in the Delta. The [Name of Jurisdiction] supports such multi-jurisdictional projects in order to create a more effective Delta response to regional disasters.

The [Name of Jurisdiction] will participate within its resources in the implementation of this regional project and will participate in, and support, resulting regional emergency coordination systems. The [Name of Jurisdiction] encourages the Department of Water Resources and other State agencies to support and approve the Delta Protection Commission regional application and to assist in the project's implementation in coordination with related State public safety initiatives.

The [Name of Jurisdiction] appreciates the willingness of the Delta Protection Commission to assist in the creation of a Delta-wide multi-jurisdictional regional emergency planning effort. Such regional efforts offer greater cost efficiencies in the use of scarce public funds and offers greater benefits to all jurisdictions and citizens in the Delta than separate individual efforts could achieve.

SIGNATURE BLOCK

Attachment #2

Project Contact and Meeting Schedule Sheet

For questions and comments, contact the project facilitator directly.

Ronald E. Baldwin, Project Facilitator

Telephone: (209) 601-2175

Email: rbaldwin@pbieng.com

Outreach Meetings Completed to Date

October 10th in Walnut Grove

October 11th in Pittsburg

October 18th in Sacramento

October 25th in Rio Vista

October 27th in Stockton

Focus Group Meetings

An initial focus group meeting composed of Delta engineer firms (representing reclamation districts), county offices of emergency services (representing cities and county agencies), and the Central Valley Flood Control Association was held on August 31st to develop an initial list of regional projects.

This focus group will meet after final State grant guidance is released in order to determine which projects will be included in the regional application. The meeting date/time will be announced.

Future General Outreach

One or two open meetings will be conducted in February to brief Delta jurisdictions on the final application.