

Delta Plan Performance Measures – Staff Recommendations

Delta Plan Chapter 7: Reduce Risk to People, Property, and State Interests in the Delta

Strategies supporting this chapter:

1. Improve Emergency Preparedness and Response
2. Finance and Implement Local Flood Management Activities
3. Prioritize Flood Management Investment
4. Improve Residential Flood Protection
5. Protect and Expand Floodways, Floodplains, and Bypasses
6. Integrate Delta Levees and Ecosystem Function
7. Limit State Liability

Ref. #	Strategy #	Policy or Rec.	Short Title	Type	Current Delta Plan Wording	Proposed Delta Plan Wording or Recommended Reclassification (in bold)	Performance Measure Components
7.20	1	RR-R1	Implement multi-hazard emergency response	Output	Responsible local, State, and federal agencies with emergency response authority implement the recommendations of the Sacramento-San Joaquin Delta Multi-Hazard Coordination Task Force (Water Code section 12994.5).	Responsible local, State, and federal agencies with emergency response authority implement the recommendations of the Sacramento-San Joaquin Delta Multi-Hazard Coordination Task Force (Water Code section 12994.5).	<p>Metric:</p> <ul style="list-style-type: none"> • Percent of recommendations implemented. <p>Baseline:</p> <ul style="list-style-type: none"> • 0% (0/11) of recommendations implemented. <p>Target:</p> <ul style="list-style-type: none"> • 100% (11/11) of recommendations implemented. <p>Data Source:</p> <ul style="list-style-type: none"> • Interviews with Department of Water Resources, CA Governor's Office of Emergency Services, and local emergency agencies.
7.21	1	RR-R1	Reduce casualties and economic damages	Outcome	No lives are lost in the Delta as a result of flood emergencies, and economic damages associated with Delta flood emergencies decrease	No lives are lost in the Delta as a result of flood emergencies, and economic damages associated with Delta flood emergencies decrease.	<p>Metrics:</p> <ul style="list-style-type: none"> • Number of lives lost in the Delta as a result of flood emergencies. • Dollars of National Flood Insurance Program (NFIP) claims in the Delta. <p>Baseline:</p> <ul style="list-style-type: none"> • Number of lives lost within the Delta in recent history is zero according to the National Oceanic and Atmospheric Administration's Storm Events Database. • NFIP claims can date back as far as the initial NFIP Flood Insurance Rate Maps for a given area. Some areas of the Delta have maps dating back as far as 1978. <p>Target:</p> <ul style="list-style-type: none"> • Zero lives lost from floods. • Reduction in dollars of NFIP claims. <p>Data Sources:</p> <ul style="list-style-type: none"> • National Oceanic and Atmospheric Administration Storm Events

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							Database. <ul style="list-style-type: none"> National Flood Insurance Program Claims Database.
7.22	3	RR-P1	Levees below HMP	Output	Delta land acreage and the number of reclamation districts with levees below HMP are reduced.	Levees reducing flood risk to Delta land and reclamation districts are improved. <u>Notes:</u> HMP is no longer an appropriate levee standard goal because FEMA has terminated its HMP reimbursement MOU.	Metrics: <ul style="list-style-type: none"> Percent of urban area in the Delta protected by levees meeting FEMA's 100-year protection standard. Percent of Delta land protected by levees at or above the PL 84-99 standard. Baseline: <ul style="list-style-type: none"> Percent of urban area in the Delta protected by levees meeting FEMA's 100-year protection standard and percent of Delta land protected by levees at or above the PL 84-99 standard at the time of Delta Plan adoption, May 2013. Target: <ul style="list-style-type: none"> 100% of urban areas in the Delta are protected by levees meeting FEMA's 100-year protection standard, 100% of Delta land should be protected by levees at or above the PL 84-99 standard. Data Sources: <ul style="list-style-type: none"> FEMA lists of Accredited and Provisionally Accredited Levees. FEMA Flood Insurance Rate Maps. Department of Water Resources' lists of active levee projects. Notes: <ul style="list-style-type: none"> These metrics do not reflect Delta Plan regulatory policy and will be further refined upon completion of the Delta Levees Investment Strategy.
7.23	3	RR-P1	Water delivery facilities - freshwater aqueducts	Output	Freshwater aqueducts passing through the Delta and the primary freshwater channel pathways through the Delta are protected by levees that provide adequate protection against floods and other risks of failure.	REMOVED <u>Notes:</u> Levee improvements are addressed in 7.22.	N/A because this measure is being removed.
7.24	3	RR-P1	Water delivery facilities - EBMUD, CCWD, CVP, SWP	Outcome	Water deliveries to East Bay Municipal Utilities District, Contra Costa Water District, the CVP, and the SWP are not interrupted by floods or earthquakes.	Water deliveries are not interrupted by floods or earthquakes in the Delta. <u>Notes:</u> Wording changed to track all water deliveries interrupted by disasters. Removed references to specific suppliers.	Metrics: <ul style="list-style-type: none"> Number of water delivery interruptions caused by floods or earthquakes in the Delta. Acre-feet of water not delivered due to disruptions caused by floods or earthquakes in the Delta. Baseline: <ul style="list-style-type: none"> N/A because this measure has a prescribed target and is not showing a change from a baseline. Target:

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							<ul style="list-style-type: none"> No water delivery interruptions. <p>Data Source:</p> <ul style="list-style-type: none"> Historical delivery/diversion reports.
7.27	4	RR-P2	Plan for sea level rise	Output	New residential development takes into account sea level rise in flood protection planning and development.	New residential development takes into account sea level rise in flood protection planning and development.	<p>Metric:</p> <ul style="list-style-type: none"> Number of proposed actions covered by the Delta Plan policy to require flood protection for residential development in rural areas (RR-P2). <p>Baseline:</p> <ul style="list-style-type: none"> N/A because this measure has a prescribed target and is not showing a change from a baseline. <p>Target:</p> <ul style="list-style-type: none"> 100% of proposed actions to which RR-P2 are applicable meet the requirements of RR-P2. <p>Data Source:</p> <ul style="list-style-type: none"> Council Certification of Consistency. The Council has developed an online certification of consistency form in which the use will provide the necessary detailed findings of consistency. Delta Interesting Actions Log. Council Planning Division utilizes web-based resources and outreach to relevant external personnel to track proposed activities which have the potential to become covered actions.
7.26	3, 7	RR-P1	FEMA reimbursement for emergency response and recovery	Outcome	Emergency response and recovery costs are eligible for FEMA reimbursement.	<p>Emergency response and recovery costs are eligible for federal reimbursement.</p> <p><u>Notes:</u></p> <p>FEMA has terminated its HMP reimbursement MOU. This measure has been expanded to measure all federal emergency response and recovery eligibility.</p>	<p>Metrics:</p> <ul style="list-style-type: none"> Miles of levee active in US Army Corps of Engineers' Rehabilitation and Inspection Program (RIP). National Flood Insurance Program market penetration in the Delta. Ratings of Delta communities participating in the National Flood Insurance Program Community Rating System. <p>Baseline:</p> <ul style="list-style-type: none"> Miles of levee active in RIP, NFIP market penetration, and community ratings at the time of Delta Plan adoption, May 2013 or nearest available date. <p>Target:</p> <ul style="list-style-type: none"> Increasing trend. <p>Data Sources:</p> <ul style="list-style-type: none"> US Army Corps of Engineers' National Levee Database. National Flood Insurance Program Database, county property parcel data. National Flood Insurance Program Flood Insurance Manual.

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7.25	5	RR-R5	Construct bypass & floodway	Output	DWR and the CVFPB construct a bypass and floodway on the San Joaquin River near Paradise Cut.	REMOVED <u>Notes:</u> This project is far from implementation and is currently being tracked through administrative performance measures.	N/A because this measure is being removed.