

Attachment 3: Delta Plan Performance Measures Catalog

This attachment lists all Delta Plan performance measures organized by Chapter and type (administrative, output, outcome). Each measure includes summary results following the review by Council staff. Results includes:

- Staff observations based on data analysis and discussions with partner agencies.
- Recommendations for implementing the measure including refinement where applicable (level of refinement is also noted).
- Rows shaded in green denote measures reported in Attachment 1.

Delta Plan Chapter 2: The Delta Plan

Key – refinement needed: ○ Slight or none ○ Some ● Significant

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
Delta Plan Administrative Performance Measures						
2.1	Admin.	G P01-01	Establish Delta Plan Interagency Implementation Committee	Establishment of the Delta Plan Interagency Implementation Committee by October 2013.	○	✓ No refinement
2.2	Admin.	G P01-02	Completion of Report on Revisions to Delta Plan PM's	Completion of Report on Revisions to Delta Plan Performance Measures by December 31, 2014.	○	✓ No refinement
2.3	Admin.	G P01-03	Delta Plan and future changes aligned to adaptive management approach	The initial Delta Plan and all future revisions and amendments to the Delta Plan by the Delta Stewardship Council are consistent with an adaptive management approach and are informed by the best available science, where applicable.	○	✓ No refinement
2.4	Admin.	G P01-04	Council to review the Delta Plan every 5 years	A minimum of every 5 years (beginning 5 years after adoption of the Delta Plan), the Delta Plan is reviewed by the Delta Stewardship Council and revised if deemed appropriate.	○	✓ No refinement
2.5	Admin.	G P01-05	Adaptive Management - Governance structure review/changes	Governance structure is reviewed and revised (if necessary) to ensure that there is adequate institutional capacity to interact, learn, and adapt in a manner that supports adaptive management.	○	✓ No refinement
2.6	Admin.	G R01-01	Delta Science Program develops Delta Science Plan	The Delta Science Program develops a Delta Science Plan including responding to Delta Independent Science Board review and comments by December 31, 2013.	○	✓ No refinement

There are no output/outcome performance measures for Chapter 2.

Delta Plan Chapter 3: A More Reliable Water Supply for California

Key – refinement needed: ○ Slight or none ○ Some ● Significant

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
Delta Plan Administrative Performance Measures						
3.1	Admin.	WR P01-01	Identify number of water suppliers undertaking specific covered actions	Identify number of water suppliers that have undertaken covered actions that have: (1) completed a current urban or agricultural water management plan that has been reviewed by California Department of Water Resources for compliance with applicable legal requirements, (2) commenced implementation of identified measures that will reduce reliance on the Sacramento-San Joaquin Delta, and (3) starting in 2015, reported on the expected outcome for measureable reductions in reliance on the Sacramento-San Joaquin Delta and improvement in regional self-reliance as the reduction in the amount of water used, or the percentage of water used, from the Sacramento-San Joaquin Delta watershed.	○	✓ No refinement
3.2	Admin.	WR P02-01	Implement contracting processes consistent with applicable policies	California Department of Water Resources and Bureau of Reclamation contracting processes have been implemented consistent with applicable policies.	○	✓ No refinement
3.3	Admin.	WR R01-01	Identify water suppliers to adopt State planning and conservation measures	Identify number of urban and agricultural water suppliers that certify they have adopted and are implementing supply planning, conservation, and efficiency measures required by State law by 2015, meeting the standards and deadlines established by code.	○	✓ Some Refinement Update due date to reflect cyclical five year updates to Urban and Ag Water Management Plans.
3.4	Admin.	WR R02-01	State Water Project contracts and transfer agreements meet the requirement	California Department of Water Resources adopts and implements a requirement for State Water Project contracts and transfer agreements that requires implementation of State water efficiency, water management laws, goals, and regulations, including compliance with Water Code section 85021.	○	✓ No refinement Engage DWR through discussion and provide written comments during upcoming EIR process for extending long term water supply contracts to include this language.

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
3.5	Admin.	WR R03-01	Adopt policy on evaluation of water rights that increase Delta water use	The State Water Resources Control Board adopts a policy that requires evaluation of new water rights or a new or changed point of diversion, place of use, or purpose that result in a new or increased long-term average use of water from the Sacramento-San Joaquin Delta watershed for consistency with reasonable and beneficial use, and Water Code sections 85021, 85023, and 85031, and other provisions of California law.	○	<p>✓ No refinement</p> <p>Completion of this measure will require further discussions with SWRCB staff that are currently occupied with drought-related projects.</p>
3.6	Admin.	WR R04-01	Percent of water suppliers using expanded Water Supply Reliability Element	Identify percentage of urban and agricultural water suppliers that receive water from the Delta watershed that have incorporated an expanded Water Supply Reliability Element in their urban water management plan and agricultural water management plan by December 31, 2015.	○	<p>✓ Some Refinement</p> <p>DWR will complete new UWMP guidebook by September 2015. This guidebook contains some expanded elements suggested by Council staff but not all the elements necessary to comply with WR R04.</p> <p>Update timeline to reflect Urban Water Management Plan due date of July 2016.</p> <p>Assess information received from 2015 UWMP updates to determine specific refinements to this recommendation and associated performance measure and continue working with DWR on future UWMP updates to include all elements necessary to comply with WR R4.</p>
3.7	Admin.	WR R05-01	Published guidelines for expanded Water Supply Reliability Element	California Department of Water Resources has developed and published guidelines for the preparation of an expanded Water Supply Reliability Element by December 31, 2014.	○	<p>✓ Some refinement</p> <p>DWR will complete new UWMP guidebook by September 2015. This guidebook contains some expanded elements suggested by Council staff but not all the elements necessary to comply with WR R04.</p> <p>Update timeline to reflect Urban Water Management Plan due date of July 2016.</p> <p>Assess information received from 2015 UWMP updates to determine specific refinements to this recommendation and associated performance measure and continue working with DWR on future UWMP updates to include all elements necessary to comply with WR R4.</p>
3.8	Admin.	WR R06-01	Established advisory group to meet water conservation goals	California Department of Water Resources and the State Water Resources Control Board have established an advisory group and identified impediments to achievement of statewide water conservation, recycled water, and storm water goals by 2014, and have evaluated and recommended update goals by 2018, including an assessment of how regions are achieving their proportional share of these goals.	○	<p>✓ Some refinement</p> <p>Long term conservation goals have been overshadowed by the drought and temporarily superseded by the Governor's executive order to reduce residential use by 25%. The long term implications of current conservations successes will not be clear until the drought is over and mandatory water restrictions are lifted. Work with DWR and SWRCB to form an advisory committee once the drought has ended.</p>

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
3.9	Admin.	WR R07-01	Revise state grant and loan ranking criteria by 2013	State grant and loan ranking criteria have been revised by December 31, 2013.	○	<p>✓ Some refinement</p> <p>DWR will complete new UWMP guidebook by September 2015. This guidebook contains some expanded elements suggested by Council staff but not all the elements necessary to comply with WR R04.</p> <p>Assess information received from 2015 UWMP updates to determine specific refinements to this recommendation and associated performance measure and continue working with DWR on future UWMP updates to include all elements necessary to comply with WR R4.</p>
3.10	Admin.	WR R08-01	Agencies demonstrate to Council their water efficiency strategies and plans	State agencies report to Delta Stewardship Council annually on their actions to demonstrate State leadership, to increase water efficiency, use recycled water, and incorporate storm water runoff capture and low-impact development strategies.	○	<p>✓ Some refinement</p> <p>Request report from DGS on implementation of state agency water saving actions called for in the Governor's 2014 drought declaration.</p> <p>Decide if additional information or ongoing reporting mechanism is needed to complete this performance measure.</p>
3.11	Admin.	WR R09-01	Identify state groundwater basins in critical condition by 2014	California Department of Water Resources' update of Bulletin 118 information (using field data, California Statewide Groundwater Elevation Monitoring Program, and best available science) and identification of the state's groundwater basins that are in a critical condition of overdraft by December 31, 2014.	○	<p>✓ Some refinement</p> <p>Update timeline to reflect 2014 Sustainable Groundwater Management Act's due date of January 31, 2017.</p>
3.12	Admin.	WR R10-01	Number of water suppliers receiving Delta water with groundwater plans	Number of water suppliers in areas that receive water from the Sacramento-San Joaquin Delta watershed that have developed groundwater management plans that are consistent with the required and recommended components of groundwater management plans listed in California Department of Water Resources Bulletin 118-03 by 2014.	○	<p>✓ Some refinement</p> <p>Update this measure to track groundwater management plans required by 2014 Sustainable Groundwater Management Act.</p>
3.13	Admin.	WR R11-01	Identify groundwater basins in critical condition with groundwater plans	Identify number of groundwater basins identified by California Department of Water Resources as being in a critical condition of overdraft that have groundwater management plans consistent with the required and recommended components of groundwater management plans listed in the California Department of Water Resources Bulletin 118-03 by 2014.	○	<p>✓ Some refinement</p> <p>Update this measure to track groundwater management plans required by 2014 Sustainable Groundwater Management Act.</p>

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
3.14	Admin.	WR R11-02	SWRCB report to Council - actions to address critical groundwater basins	SWRCB report to Council on proposed action to address groundwater basins in critical overdraft.	○	✓ No refinement
3.15	Admin.	WR R12-01	BDCP completed and DWR and USBOR have required permits by 2014	The Bay Delta Conservation Plan is completed, and California Department of Water Resources and Bureau of Reclamation have received required take permits by December 31, 2014.	●	✓ Significant refinement Remove this performance measure as BDCP will no longer be completed as an HCP/NCCP. Update Delta Plan and develop new performance measures, as needed to reflect changes in BDCP. Council is currently exploring possible changes to the Delta Plan as a result of BDCP changes.
3.16	Admin.	WR R13-01	Completes surface water storage studies by 2012	California Department of Water Resources completes surface water storage studies by December 31, 2012, with recommendations for projects to be implemented.	○	✓ No refinement
3.17	Admin.	WR R14-01	Completed survey of grant applicants for future groundwater projects	California Department of Water Resources has completed a survey of past grant applicants to identify projects that may be implemented within the next 5 to 10 years to expand existing surface and groundwater storage facilities, create new storage, improve Delta conveyance facilities, and improve opportunities for water transfers by December 31, 2012.	○	✓ No refinement
3.18	Admin.	WR R14-02	Hold hearings on priority projects and provide recommendations by 2013	California Water Commission holds hearings and provides recommendation on priority projects by December 31, 2013.	○	✓ No refinement
3.19	Admin.	WR R15-01	Establish advisory group to reduce impediments to water transfers by 2016	California Department of Water Resources and the State Water Resources Control Board, in collaboration with the Delta Stewardship Council, have established an advisory group and recommended measures to reduce procedural and administrative impediments to water transfers by December 31, 2016.	○	✓ No refinement

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
3.20	Admin.	WR R16-01	Modified supplemental water diversion or use progress reports	The State Water Resources Control Board has modified its supplemental water diversion and use or progress reports to require additional information on water efficiency, water supply projects, and net (consumptive) use.	○	<p>✓ No refinement</p> <p>Completion of this measure will require further discussion between Council and SWRCB staff who are currently occupied with drought-related projects.</p>
3.21	Admin.	WR R17-01	Implementation of statewide system for water use reporting by 2014	California Department of Water Resources has completed the development and initiated implementation of an integrated statewide system for water use reporting in coordination with other State agencies by 2014.	○	<p>✓ No refinement</p> <p>Paused due to lack of funding. While no single database has been implemented to collect all water usage data as recommended by WR R17, there has been recent interagency cooperation to collect information for DWR's water budgeting through SWRCB's Drinking Water Program. Due to the drought SWRCB has also been collecting monthly water usage data since June of 2014.</p>
3.22	Admin.	WR R18-01	Modified California Water Plan Update - new categories to track	California Department of Water Resources has modified the California Water Plan update to include specified categories of information to be tracked.	○	<p>✓ No refinement</p>
3.23	Admin.	WR R18-02	Develop performance measures for California Water Plan Update	Development of appropriate performance measures will be done by the Delta Stewardship Council in consultation with the agencies. These performance measures will be rolled into the California Water Plan Update.	○	<p>✓ No refinement</p>
3.24	Admin.	WR R19-01	Prepared assessment of State's water infrastructure	California Department of Water Resources has prepared an assessment of the State's water infrastructure.	○	<p>✓ Some refinement</p> <p>This measure requires clarification. Some information is available through the CA Water Plan and DWR's Bulletin 132, but may not meet all intended requirements of WR R19. Decide if/what additional information is needed and identify sources.</p>

Key – refinement needed: ○ Slight or none ○ Some ● Significant

Highlighted rows denote performance measures currently in implementation.

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
Delta Plan Output/Outcome Performance Measures						
3.25	Outcome	WR R1	Percentage change in urban per capita water use.	Progress toward meeting California's conservation goal of achieving a 10% reduction in statewide urban per capita water usage by 2015 and a 20% reduction by 2020.	○	<p>✓ Some refinement</p> <p>UWMPs are only updated every five years, meaning there are very few data points to track trends towards goals without using data from other sources.</p> <p>There are wide variations in the types of water use data collected by the DWR and SWRCB (Public Water System Statistics, Electronic Annual Reports, UWMPs, drought conservation reporting) making comparisons difficult.</p> <p>Extend targets beyond 2020.</p> <p>Consider long-term average targets rather than single year targets.</p> <p>Work with the legislature, DWR, and the SWRCB to establish and adopt a more frequent and consistent reporting requirement on urban water production and use to better track trends between target years.</p>
3.26	Outcome	WR R6	Increase storm water use	Progress toward achieving California's goal for the increased use of storm water runoff of at least 500,000 AF/year by 2020 and by at least 1 MAF/year by 2030.	○	<p>✓ Slight refinement</p> <p>UWMPs are only updated every five years, meaning there are very few data points to track trends towards goals. If more frequent data become available refine this measure to track this data and report annually.</p> <p>Encourage DWR and SWRCB to conduct more frequent collection of data for all water supply sources including stormwater use to allow better tracking of trends between target years.</p> <p>Encourage SWRCB to track trends in stormwater use through their Storm Water Strategic Initiative.</p>
3.27	Outcome	WR P1	Increase local and regional supplies	Progress toward increasing local and regional water supplies, measured by the amount of additional supplies made available (reported in 5-year increments from 2000).	●	<p>✓ Significant refinement</p> <p>CA Water Plan, Urban, and Agricultural Water Management Plans all collect slightly different data about sources of water used for a given year, but have not previously tracked total local water availability/capacity.</p> <p>Consult with stakeholders and experts to decide how local and regional supplies should be accounted for, identify available data, and develop a suite of specific metrics that collectively provide information to address WR P1.</p>

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
3.28	Output	WR R1, WR R4	Measurable reduction in reliance on the Delta	Water suppliers that receive water from the Delta watershed have documented the expected outcome for a measurable reduction in reliance on the Delta and improvement in regional self-reliance.	●	<p>✓ Significant refinement</p> <p>Consult with stakeholders and experts to identify specific metrics and available data to track reduced reliance on the Delta.</p> <p>Identify ways of observing reduced reliance on the Delta without relying on compliance with WR P1, which is only required for suppliers undertaking covered actions.</p> <p>Continue working with DWR to include reduction in Delta reliance reporting in future water management plans.</p>
3.29	Outcome	WR R12, ER P1, RR P1	Improve export reliability	Progress toward improved reliability of Delta water exports and reductions in the vulnerability of Delta exports to disruption.	●	<p>✓ Significant refinement</p> <p>Consult with stakeholders and experts to identify specific metrics and available data to track improvements in conveyance and expansion of storage.</p> <p>Change wording to avoid using “reliability” which has a very specific meaning elsewhere in the Delta Plan, or define “reliability” within the context of conveyance.</p> <p>Consider combining this with Item 3.30 below: “Increase Delivery Predictability” or clarifying intent of each measure.</p>
3.30	Outcome	WR R12, WR R14	Increase delivery predictability	Progress toward increasing the predictability of water deliveries from the Delta in a variety of water year types.	●	<p>✓ Significant refinement</p> <p>Consult with stakeholders and experts to identify specific metrics and available data to track improvements in conveyance and expansion of storage.</p> <p>More clearly differentiate predictability and reliability (see 3.29 above). If the intent of this measure is to track reduction in export disruptions due to hydrologic conditions (different water year types), this may be the same as one aspect of 3.29 above. If the intent of this measure is to track the accuracy of DWR’s delivery predictions, there are no recommendations supporting this.</p> <p>Consider combining this with Item 3.29 above: “Improve export reliability” or clarifying intent of each measure.</p>
3.31	Output	WR R6	Meeting and setting goals	Progress made in achieving existing water conservation and water supply performance goals, and setting expanded future goals for local, regional, and statewide water conservation, water use efficiency, and water supply development.	○	<p>✓ Some refinement</p> <p>Long term conservation goals have been overshadowed by the drought and temporarily superseded by the Governor’s executive order to reduce residential use by 25%. The long term implications of current conservations successes will not be clear until the drought is over and mandatory water restrictions are lifted. Work with DWR and SWRCB to form an advisory committee once the drought has ended.</p>

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3.32	Output	WR R9	Groundwater management planning	Information in updated Bulletin 118 is included in the next (2013) California Water Plan Update and in the 2015 UWMPs and AWMPs.	●	<p>✓ Significant refinement</p> <p>Reclassify as an administrative performance measure and update to reflect requirements of the 2014 Sustainable Groundwater Management Act.</p> <p>Consider additional policies, recommendation, and measures to reflect the 2014 Sustainable Groundwater Management Act.</p>

Delta Plan Chapter 4: Protect, Restore, and Enhance the Delta Ecosystem

Key – refinement needed: ○ Slight or none ○ Some ● Significant

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
Delta Plan Administrative Performance Measures						
4.1	Admin.	ER P01-01	Proposed actions affecting water flow are consistent with objectives	Prior to the establishment of revised flow objectives, 100 percent of proposed actions that could significantly affect flow in the Sacramento-San Joaquin Delta are consistent with the existing Bay Delta Water Quality Control Plan objectives.	○	✓ No refinement
4.2	Admin.	ER P02-01	100 percent of proposed actions are consistent with Appendix 3	100 percent of proposed actions that include habitat restoration in the Sacramento-San Joaquin Delta meet one of the following standards: (1) are consistent with the text of Appendix 3 (see Appendix B of the Delta Plan), based on the Conservation Strategy for Restoration of the Sacramento-San Joaquin Delta Ecological Management Zone and the Sacramento and San Joaquin Valley Regions; or (2) are not consistent with the elevation map (see Figure 4-6 of the Delta Plan), but the deviation is supported by a rationale based on best available science.	○	✓ No refinement
4.3	Admin.	ER P03-01	Adverse impacts to ER opportunities avoided by 100% of proposed actions	100 percent of all proposed actions other than habitat restoration have clearly demonstrated that significant adverse impacts to the opportunity for habitat restoration as described in ER P2 were avoided or mitigated.	○	✓ No refinement
4.4	Admin.	ER P04-01	Alternatives are evaluated 100% of proposed actions to build new levees	100 percent of proposed actions to construct new levees or substantially rehabilitate or reconstruct existing levees in the opportunity areas defined in Appendix 8 (see Appendix B of the Delta Plan) demonstrate that they have evaluated alternatives (including use of setback levees), and where feasible, have incorporated such alternatives into levees projects to increase the extent of floodplain and riparian habitat.	○	✓ No refinement

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
4.5	Admin.	ER P05-01	Invasive species are avoided or mitigated for proposed improve habitat	100 percent of all proposed actions that have the reasonable probability of introducing, or improving the habitat conditions for, nonnative invasive species have demonstrated that the potential for new introductions of and/or improved habitat conditions for nonnative invasive species have been fully considered and avoided or mitigated in a way that appropriately protects the ecosystem.	○	✓ No refinement
4.6	Admin.	ER R01-01	Adopts Delta flow objectives necessary by June 2014	The State Water Resources Control Board adopts Sacramento-San Joaquin Delta flow objectives that are necessary to achieve the coequal goals by June 2, 2014.	○	✓ Some refinement Suggest refining the target date to align with the SWRCB's project timeline.
4.7	Admin.	ER R01-02	Adopts Delta flow objectives necessary by June 2018	The State Water Resources Control Board adopts flow objectives that are necessary to achieve the coequal goals for the major tributary rivers to the Sacramento-San Joaquin Delta by June 2, 2018.	○	✓ No refinement
4.8	Admin.	ER R02-01	BDCP implementers identify projects and funding for habitat restoration	Bay Delta Conservation Plan implementers, California Department of Fish and Wildlife, California Department of Water Resources, and/or the Sacramento-San Joaquin Delta Conservancy identify number of projects	●	✓ Significant refinement Refine language, as the BDCP will no longer be implemented. EcoRestore is now taking on a similar role.
4.9	Admin.	ER R02-02	Projects consider landscape elements and water quality improvements	The preponderance of proposed habitat restoration projects is within the six priority areas and considers landscape elements and improvement in water quality.	○	✓ Some refinement Better define metrics so this measure can be assessed annually. Additionally, refine performance measure verbiage by changing the word "preponderance" to "implementing".
4.10	Admin.	ER R02-03	Best practices for mosquito control consulted for 100% of proposed actions	100 percent of proponents of habitat restoration projects consult the California Department of Public Health's Best Management Practices for Mosquito Control in California.	●	✓ Significant refinement This PM is - currently not measureable since data is limited. If this performance measure is intended to be limited to restoration projects that are covered actions, than it can be tracked as part of the consistency certification process.
4.11	Admin.	ER R03-01	Adopts criteria for prioritizing large scale Delta eco restoration	The Sacramento-San Joaquin Delta Conservancy develops and adopts criteria for prioritization and integration of large-scale ecosystem restoration in the Sacramento-San Joaquin Delta and Suisun Marsh, with sustainability and use of best available science as foundational principles.	○	✓ Some refinement Refine metrics language as this measure is outdated and needs to reflect EcoRestore.

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
4.12	Admin.	ER R03-02	Adopt processes for ownership, operations and maintenance of acquired land	The Sacramento-San Joaquin Delta Conservancy develops and adopts processes for ownership and long-term operations and management of land in the Sacramento-San Joaquin Delta and Suisun Marsh acquired for conservation or restoration.	○	<p>✓ Slight refinement</p> <p>These five elements should reflect the evolution of the Delta Conservancy as it continues to focus on this effort with DWR and others to reflect the participation of other agencies.</p>
4.13	Admin.	ER R03-03	Adopts mutual agreement with other agencies on ecosystem restoration	The Sacramento-San Joaquin Delta Conservancy develops and adopts a formal mutual agreement with the California Department of Water Resources, California Department of Fish and Wildlife, federal interests, and other State and local agencies on implementation of ecosystem restoration in the Sacramento-San Joaquin Delta and Suisun Marsh.	○	<p>✓ No refinement</p>
4.14	Admin.	ER R03-04	Develops a plan for acquiring land to achieve ecosystem restoration	The Sacramento-San Joaquin Delta Conservancy develops a plan and protocol for acquiring the land necessary to achieve ecosystem restoration consistent with the coequal goals and the Ecosystem Restoration Program's Delta Conservation Strategy.	○	<p>✓ Some refinement</p> <p>This measure is outdated and needs to be refined to reflect current approaches.</p>
4.15	Admin.	ER R03-05	Leads effort to investigate better use of habitat credit agreements.	The Sacramento-San Joaquin Delta Conservancy leads an effort to investigate how to better use habitat credit agreements.	○	<p>✓ Some refinement</p> <p>Revise to reflect current approaches to meeting habitat requirements. For example, habitat credit information will be obtained from FAST.</p>
4.16	Admin.	ER R03-06	Develops rules for Safe Harbor Agreements with Delta property owners	The Sacramento-San Joaquin Delta Conservancy, in conjunction with California Department of Fish and Wildlife and U.S. Fish and Wildlife Service, develop rules for voluntary Safe Harbor Agreements with property owners in the Sacramento-San Joaquin Delta.	○	<p>✓ No refinement</p>
4.17	Admin.	ER R04-01	Develops variance process to exempt Delta levees from vegetation policy	The U.S. Army Corps of Engineers develops an agreed-upon variance process to exempt Delta levees from the U.S. Army Corps of Engineers' levee vegetation policy where appropriate.	○	<p>✓ No refinement</p>

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4.18	Admin.	ER R05-01	Updates Suisun Marsh Protection Program to address sea level rise	The San Francisco Bay Conservation and Development Commission updates the Suisun Marsh Protection Plan to address adaptation to sea level rise and ensure consistency with the Suisun Marsh Preservation Act, the Sacramento-San Joaquin Delta Reform Act of 2009 and the Delta Plan.	○	✓ No refinement
4.19	Admin.	ER R05-02	Submits amendments of Suisun Marsh Protection Program to the Council	The San Francisco Bay Conservation and Development Commission submits amendments of the Suisun Marsh Protection Plan to the Delta Stewardship Council for review for consistency.	○	✓ No refinement
4.20	Admin.	ER R05-03	Submits amendments of Suisun Marsh Local Protection Program to the Council	The San Francisco Bay Conservation and Development Commission submits amendments of components of the Suisun Marsh Local Protection Program to the Delta Stewardship Council for review for consistency.	○	✓ No refinement
4.21	Admin.	ER R05-04	Adopts Suisun Marsh Protection Plan	The San Francisco Bay Conservation and Development Commission adopts the updated Suisun Marsh Protection Plan and the Suisun Marsh Local Protection Program.	○	✓ No refinement
4.22	Admin.	ER R06-01	Develops proposals for or revised fishing regulations	The California Department of Fish and Wildlife develops for consideration by the Fish and Game Commission proposals for new or revised fishing regulations designed to increase populations of listed fish species through reduced predation by introduced sport fish.	○	✓ No refinement
4.23	Admin.	ER R07-01	Prioritize list of Stage 2 Actions for Nonnative Invasive Species	The California Department of Fish and Wildlife and other appropriate agencies prioritize the list of "Stage 2 Actions for Nonnative Invasive Species."	○	✓ Slight refinement For the future Delta Plan update, develop a new admin PM to address the new list. Recommend revising recommendation and PM language to reflect the current version of the ERP Conservation Strategy.
4.24	Admin.	ER R08-01	Hatcheries develop scientifically sound hatchery and genetic plans	Hatcheries develop scientifically sound hatchery and genetic management plans.	●	✓ Significant refinement Revise the language to "scientifically sound hatchery and genetic management plans for the Central Valley only".

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4.25	Admin.	ER R08-02	Provides annual updates to the Council on status of hatchery and genetic plans	The California Department of Fish and Wildlife provides annual updates to the Delta Stewardship Council on the status of hatchery and genetic management plans within its jurisdiction.	○	✓ No refinement
4.26	Admin.	ER R09-01	Revises and implements plan for tagging hatchery salmon and steelhead	The California Department of Fish and Wildlife, in cooperation with the U.S. Fish and Wildlife Service and the National Marine Fisheries Service, revises and begins implementing its program for marking and tagging hatchery salmon and steelhead to improve management of hatchery and wild stocks by December 2014.	○	✓ Some refinement Suggest refining target date, as the current target date has passed and the program has been delayed due to the lack of funding.

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 Highlighted rows denote performance measures currently in implementation.

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Delta Plan Output/Outcome Performance Measures						
4.27	Output	ER R2	Number of acres of habitat restored	Pilot-scale Delta habitat restoration projects are developed and initiated in the priority areas described in ER R2 by 2015. These projects include tidal brackish and freshwater marsh as well as floodplain restoration, and have clear adaptive management plans aimed at improving outcomes and providing lessons for the development of large-scale restoration projects. Metrics: acres restored by habitat type, and lessons learned.	○	<p>✓ Some refinement</p> <p>Change language from number of habitat “restored” to number of acres of habitat “constructed”.</p>
4.28	Output	ER R1	Adopt Delta Flow Objectives	The SWRCB adopts Delta flow objectives by June 2, 2014.	●	<p>✓ Significant refinement</p> <p>Reclassify as an administrative performance measure.</p>
4.29	Output	ER R2	Measured progress towards BiOps' restoration targets of 8,000 ac tidal marsh & 17-20,000 ac floodplain rearing habitat	Progress, measured in acres of restored or enhanced habitat, is being made toward the biological opinions' targets of restoring 8,000 acres of tidal marsh and 17,000 to 20,000 acres of floodplain rearing habitat.	○	<p>✓ Some refinement</p> <p>Due to the linkages to BiOps, it is recommended to include estimated FAST credits for projects, with tracking of - and transfers to - confirmed credits after project completion.</p>
4.30	Outcome	ER R2	Progress toward achieving "doubling goal" for wild CV salmonids	Progress toward achieving the State and federal "doubling goal" for wild Central Valley salmonids relative to 1995 levels. Trends will be derived from long-term salmonid monitoring surveys conducted by the National Marine Fisheries Service, US Fish and Wildlife Service, and others.	○	<p>✓ Some refinement</p> <p>Recommend convening an expert group to select the appropriate metric(s) for this performance measure. Note that current extended drought conditions have resulted in significant losses in several runs of salmonids.</p>
4.31	Outcome	ER R1	Measured progress towards restoring in-Delta flows	Progress toward restoring in-Delta flows to more natural functional flow patterns to support a healthy estuary. Metrics: results from hydrological monitoring and hydrodynamic modeling.	○	<p>✓ Some refinement</p> <p>Define metrics and reflect frequency, duration and variability of flows.</p> <p>This performance measure will be evaluated once the new objectives are adopted, based on the metrics in the updated Bay-Delta Water Quality Control Plan.</p>

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
4.32	Outcome	ER R2	Progress toward occurrence & use of protected & restored habitat by native spp.	Progress toward the documented occurrence and use of protected and restored habitats and migratory corridors by native resident and migratory Delta species. Trends in occurrence, use, and performance of native species in protected and restored habitats and corridors will be upward over the next decade. These trends will be derived from animal and plant monitoring surveys that are conducted as part of adaptive management strategies for the protection and restoration of these areas.	●	<p>✓ Significant refinement</p> <p>Identify and select indicator species, targets, and baseline for each restoration project.</p> <p>Monitoring needs to be done prior to restoration at each site to determine the baseline.</p>
4.33	Output	ER R1	Adopt flow objectives for major tributaries by 2018	The SWRCB adopts flow objectives for the major tributaries by 2018 (or as soon as reasonably possible).	●	<p>✓ Significant refinement</p> <p>Reclassify as an administrative performance measure.</p> <p>Refine language and include requirement that the SWRCB give an annual report to the Council on the progress.</p>
4.34	Output	ER R7	Implement DFW (2011) list of "Stage 2 Actions for Non-native Invasive Species"	The DFW and other appropriate agencies fully implement the list of "Stage 2 Actions for Nonnative Invasive Species."	●	<p>✓ Significant refinement</p> <p>Refine language from using the "Stage 2 Actions" list to using the 2014 ERP "Conservation Strategy" list for Strategic Goal 5.</p>
4.35	Outcome	ER R2	Progress towards decreasing trends in new/ existing nonnative spp, and abundance/ distribution of existing nonnative spp	Progress toward decreasing annual trends in both the number of new and existing aquatic and terrestrial nonnative species, and the abundance and distribution of existing aquatic and terrestrial nonnative species in the Delta over the next decade. These trends will be derived from long-term animal and plant monitoring surveys conducted by the Interagency Ecological Program agencies, the California Department of Boating and Waterways, the U.S. Department of Agriculture, the San Francisco Estuary Institute, and others.	●	<p>✓ Significant refinement</p> <p>There are no metrics for this PM yet.</p> <p>Focus initially on developing metrics for the priority species in the 2014 ERP Conservation Strategy.</p>

Delta Plan Chapter 5: Protect and Enhance the Unique Cultural, Recreational, Natural Resource, and Agricultural Values of the California Delta as an Evolving Place

Key – refinement needed: ○ Slight or none ○ Some ● Significant

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
Delta Plan Administrative Performance Measures						
5.1	Admin.	DP P01-01	100% of proposed actions for urban development meet Delta Plan standards	<p>100 percent of proposed actions for urban development meet one of the following standards:</p> <p>(1) are located within areas that current city or county general plans, as of the date of the Delta Plan's adoption, designate for development in cities or their spheres of influence; areas within Contra Costa County's 2006 voter-approved urban limit line, except Bethel Island; areas within the Mountain House General Plan Community Boundary in San Joaquin County; or the unincorporated Delta towns of Clarksburg, Courtland, Hood, Locke, Ryde, and Walnut Grove;</p> <p>(2) if located on Bethel Island, are consistent with the Contra Costa County general plan effective as of the date of the Delta Plan's adoption; or</p> <p>(3) if located outside the areas described above, are consistent with the land uses designated in county general plans as of the date of the Delta Plan's adoption and are otherwise consistent with Delta Plan policies.</p>	○	✓ No refinement
5.2	Admin.	DP P02-01	New infrastructure sited to avoid conflicts with existing or planned uses	<p>Water management facilities, ecosystem restoration, and flood management infrastructure are sited to avoid or reduce conflicts with existing or planned uses when feasible, considering comments from local agencies and the Delta Protection Commission. Plans for ecosystem restoration consider sites on existing public lands, when feasible and consistent with a project's purpose, before privately owned sites are purchased.</p>	○	✓ No refinement

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
5.3	Admin.	DP R01-01	DPC completes designation of Delta application as National Heritage Area	Delta Protection Commission completes application for designation of the Sacramento-San Joaquin Delta and Suisun Marsh as a National Heritage Area.	○	✓ No refinement
5.4	Admin.	DP R02-01	Caltrans prepares scenic byway plan for Route 160	The California Department of Transportation prepares a scenic byway plan and pursues National Scenic Byway status for Route 160 by January 1, 2014.	○	✓ No refinement
5.5	Admin.	DP R03-01	Local governments prepare plans for each Delta community	Local governments prepare plans for each community that emphasize its distinctive character, encourage historic preservation, identify opportunities to encourage tourism, serve surrounding lands, or develop other appropriate uses, and reduce flood risks.	○	✓ Some refinement Refine language. Specify a target date for preparation of plans for all communities.
5.6	Admin.	DP R04-01	Land for new infrastructure purchased from willing sellers at fair prices	Agencies acquiring land for water management facilities, ecosystem restoration, and flood management infrastructure purchase from willing sellers, when feasible, including consideration of whether lands suitable for proposed projects are available at fair prices.	○	✓ Slight refinement When evaluating this measure's percent complete, evaluate on an annual basis.
5.7	Admin.	DP R05-01	Develops plans for infrastructure to meet development needs	The California Department of Transportation, local agencies, and utilities develop plans for infrastructure, such as roads and highways, to meet needs of development consistent with sustainable community	○	✓ No refinement
5.8	Admin.	DP R06-01	Consults with Caltrans on effects of flood hazards on Delta highways	As part of the prioritization of State levee investments called for in RR P4, the Delta Stewardship Council consults with the California Department of Transportation as provided in Water Code section 85307(c) to consider the effects of flood hazards and sea level rise on state highways in the Sacramento-San Joaquin Delta.	○	✓ No refinement
5.9	Admin.	DP R07-01	Investigates the opportunity for a carbon market for Delta farmers	The Delta Stewardship Council, in conjunction with the California Air Resources Board and the Sacramento-San Joaquin Delta Conservancy, investigates the opportunity for the development of a carbon market whereby Sacramento-San Joaquin Delta farmers could receive credit for growing native marsh and wetland plants.	○	✓ Slight refinement Because this action is complete, proposed new language will help set up next steps. For example, instead of using the term "investigates", it is suggested the measure read, "The partners developed the protocol and are working towards implementation"

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
5.10	Admin.	DP R07-02	Developed plan and funding for carbon sequestration projects to 5000 acres	California Department of Water Resources has developed a plan, including funding needs, for increasing the extent of their subsidence reversal and carbon sequestration projects to 5,000 acres by January 1, 2017.	○	✓ No refinement
5.11	Admin.	DP R07-03	100% of State agencies not to renew or enter leases for Delta islands	100 percent of State agencies have not renewed or entered into agricultural leases on Sacramento-San Joaquin Delta or Suisun Marsh islands if the actions of the lessee promote or contribute to subsidence on the leased land, unless the lessee participates in subsidence reversal or reduction programs.	○	✓ No refinement
5.12	Admin.	DP R08-01	Encourage value-added processing of Delta crops in appropriate locations	Local governments and economic development organizations take steps to encourage value-added processing of Sacramento-San Joaquin Delta crops in appropriate locations.	●	✓ Significant refinement Revise language to in developing value added, describe how progress is measured.
5.13	Admin.	DP R09-01	Local governments take steps to support growth in agritourism	Local governments and economic development organizations take steps to support growth in agritourism, particularly in and around legacy communities.	○	✓ No refinement
5.14	Admin.	DP R10-01	Habitat enhancement and wildlife-friendly farming systems	The California Department of Fish and Wildlife, the Sacramento-San Joaquin Delta Conservancy, and ecosystem restoration agencies take steps to encourage habitat enhancement and wildlife-friendly farming systems on agricultural lands to benefit both the environment and agriculture.	○	✓ No refinement
5.15	Admin.	DP R11-01	Provide recreation opportunities at new facilities and habitat areas	Water management and ecosystem restoration agencies provide recreation opportunities, including visitor-serving business opportunities, at new facilities and habitat areas whenever feasible, and protect existing recreation facilities using California State Parks' Recreation Proposal for the Sacramento-San Joaquin Delta and Suisun Marsh and Delta Protection Commission's Economic Sustainability Plan as guides.	○	✓ No refinement

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
5.16	Admin.	DP R12-01	Encourage partnerships between agencies, landowners and businesses	The Delta Protection Commission and Sacramento-San Joaquin Delta Conservancy take steps to encourage partnerships between other State and local agencies, and local landowners and business people to expand recreation, including boating, promote tourism, and minimize adverse impacts to non-recreational landowners.	○	✓ No refinement
5.17	Admin.	DP R13-01	Dedicated funding sources identified to improve recreation facilities	Dedicated funding sources are identified to add and improve recreation facilities in the Sacramento-San Joaquin Delta.	○	✓ No refinement
5.18	Admin.	DP R14-01	Expand wildlife viewing, angling, and hunting opportunities	The California Department of Fish and Wildlife, in cooperation with other public agencies, should collaborate with nonprofits, private landowners, and business partners to expand wildlife viewing, angling, and hunting opportunities.	○	✓ Slight refinement Better define metrics so this measure can be assessed annually.
5.19	Admin.	DP R15-01	Promote boating safety	The California Department of Boating and Waterways coordinates with the U.S. Coast Guard and State and local agencies on an updated marine patrol strategy for the region	○	✓ No refinement
5.20	Admin.	DP R16-01	Increase bank fishing, hunting, levee trails and environmental education	Public agencies owning land increase opportunities, where feasible, for bank fishing, hunting, levee-top trails, and environmental education.	○	✓ Slight refinement Better define metrics so this measure can be assessed annually. Consider combining with several recreation based performance measures.
5.21	Admin.	DP R17-01	Enhance tourism business by supporting recreation infrastructure	Cities, counties, and other local and State agencies work together to protect and enhance visitor-serving businesses by planning for recreation uses and facilities in the Sacramento-San Joaquin Delta, providing infrastructure to support recreation and tourism, and identifying settings for private visitor-serving development and services.	○	✓ Slight refinement Better define metrics so this measure can be assessed annually.

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
5.22	Admin.	DP R18-01	Ports encourage maintenance and carefully designed development	The ports of Stockton and West Sacramento encourage maintenance, and carefully designed and sited development of port facilities.	○	✓ No refinement
5.23	Admin.	DP R19-01	Cooperate with the Council to identify actions that should be part of Delta Plan	The California Energy Commission and California Public Utilities Commission cooperate with the Delta Stewardship Council as described in Water Code section 85307(d) and identify actions that should be incorporated in the Delta Plan to address the needs of Sacramento-San Joaquin Delta energy development, storage, and distribution by 2017.	○	✓ No refinement

Key – refinement needed: ○ Slight or none ○ Some ● Significant
 Highlighted rows denote performance measures currently in implementation.

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
Delta Plan Output/Outcome Performance Measures						
5.24	Output	DP-R7	Subsidence reversal acreage	5,000 acres of subsidence reversal and carbon sequestration projects by Jan 1, 2017.	○	<p>✓ No refinement</p> <p>DWR has achieved 50% of the acreage target of 5000 acres by 2017. The target is expected to be exceeded by 2017 with up to 7,925 total acres.</p>
5.25	Outcome	DP-P1	No further Delta rural farmland loss	No further rural farmland in the Delta is lost to urban development.	○	<p>✓ Some refinement</p> <p>This performance measure is summarized in the Delta Plan as “No further rural farmland in the Delta is lost to urban development.” For purposes of consistency with the Delta Plan Policy DP P1, Council staff proposes a change to the original PM language to “No further Delta rural farmland loss to urban development in areas designated for agricultural use in Delta Plan regulations.” DP P1 allows for additional farmland loss in areas designated for development according to city or county general plans. Additionally document data will not be available until 2016.</p>
5.26	Output	DP-P2	Minimize water and habitat project impacts on local land uses	Water management, ecosystem restoration, and flood management projects minimize conflicts with adjoining uses by including adequate mitigation measures to avoid adverse effects.	○	<p>✓ No refinement</p>
5.27	Output	DP-R1	Designate NHA for Delta and Suisun Marsh	Congress designate the Delta and Suisun Marsh as an NHA by Jan 1, 2014	●	<p>✓ Significant refinement</p> <p>Reclassify as an administrative performance measure.</p>
5.28	Output	DP-R9	Include recreation facilities in ecosystem projects	Recreation facilities are included in new ecosystem restoration projects	●	<p>✓ Significant refinement</p> <p>Link this performance measure to Delta Plan recommendation: DP R11 for a more appropriate alignment to both the Delta Plan recommendations and core strategy.</p>
5.29	Outcome	DP-R3	Protect/ enhance legacy community structures, economy, and growth	Progress toward protecting the Delta legacy communities, as indicated by renovation of historic structures, flood proofing, and other reductions in flood hazards, and maintenance or growth of small businesses and population.	●	<p>✓ Significant refinement</p> <p>Revise metrics to match the elements of community plans.</p> <p>The Council should coordinate with the Delta Conservancy and DPC, as the DPC updates the Economic Sustainability Plan.</p> <p>Refine PM language so it is clearly linked to ongoing efforts assessing Delta vitality through Delta branding and marketing.</p>

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
5.30	Outcome	DP-R18	Increase cargo tonnage and jobs at ports	Increasing tonnage of cargo and the numbers of jobs at the ports of Stockton and West Sacramento.	○	✓ No refinement

Delta Plan Chapter 6: Improve Water Quality to Protect Human Health and the Environment

Key – refinement needed: ○ Slight or none ○ Some ● Significant

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
Delta Plan Administrative Performance Measures						
6.1	Admin.	WQ R02-01	Covered actions for Water Quality, identify negative Water Quality impacts	100 percent of covered actions that affect water quality in the Sacramento-San Joaquin Delta identify any significant negative water quality impacts.	○	✓ No refinement
6.2	Admin.	WQ R03-01	Evaluate appropriate protections in applicable water quality plans	The State Water Resources Control Board and Regional Water Quality Control Boards evaluate and include appropriate protections in any applicable water quality control plan.	○	✓ No refinement
6.3	Admin.	WQ R04-01	Complete Central Valley Drinking Water Policy by July 2013	Central Valley Regional Water Quality Control Board completes the Central Valley Drinking Water Policy by July 2013.	○	✓ No refinement
6.4	Admin.	WQ R05-01	Complete North Bay Aqueduct Alternative Intake Project EIR by July 2012	The California Department of Water Resources completes the North Bay Aqueduct Alternate Intake Project Environmental Impact Report by July 1, 2012.	○	✓ Some refinement Refine the target date to align with the DWR's project timeline.
6.5	Admin.	WQ R06-01	Complete work plan for protection of groundwater beneficial uses	The State Water Resources Control Board completes development of a Strategic work plan for protection of groundwater beneficial uses by December 31, 2012.	○	✓ Some refinement Currently written, this PM is out of alignment because circumstances have changed due to waiting on groundwater legislation decisions. Refine the target date to align with the SWRCB's project timeline.
6.6	Admin.	WQ R07-01	Adopt policies/regulations to require Delta water users to participate in CV-SALTS	The Central Valley Regional Water Quality Control Board and State Water Resources Control Board adopt policies and regulations necessary to require all relevant water users that are supplied water from the Sacramento-San Joaquin Delta or the Sacramento-San Joaquin Delta watershed or discharge wastewater to the Sacramento-San Joaquin Delta or the Sacramento-San Joaquin Delta watershed to participate in Central Valley Salinity Alternatives for Long-Term Sustainability Program (CV-SALTS).	○	✓ Slight refinement Suggest this measure becomes part of the 2015 Council Priorities list, and work with the Science Program to develop staff reports and conduct expert panels to discuss this measure's progress.

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
6.7	Admin.	WQ R08-01	Develops proposed policy for nutrients for inland surface waters	The State Water Resources Control Board develops a proposed policy for nutrients for inland surface waters of the state by January 1, 2014.	○	✓ Slight refinement Following the progress of proposed policies regarding inland surface water nutrients needs to be addressed as part of the 2015 Council Priorities list.
6.8	Admin.	WQ R08-02	Implement study plan for objectives for nutrients in Delta by 2016	The State Water Resources Control Board and Regional Water Quality Control Boards begin implementation of a study plan for the development of objectives for nutrients in the Sacramento-San Joaquin Delta and Suisun Marsh by January 1, 2013, and complete studies by January 1, 2016.	○	✓ No refinement
6.9	Admin.	WQ R08-03	Adopt objectives for nutrients in Delta by January 2018	The State Water Resources Control Board and Regional Water Quality Control Boards adopt objectives for nutrients in the Sacramento-San Joaquin Delta by January 1, 2018.	○	✓ No refinement
6.10	Admin.	WQ R08-04	Total Maximum Daily Loads and amendments completed by January 2013	Total Maximum Daily Loads and Basin Plan Amendments for diazinon and chlorpyrifos are completed by January 1, 2013.	○	✓ No refinement
6.11	Admin.	WQ R08-05	Pesticide Total Maximum Daily Load is completed by January 2016	The Central Valley Pesticide Total Maximum Daily Load is completed by January 1, 2016.	○	✓ No refinement
6.12	Admin.	WQ R08-06	Complete Total Maximum Daily Loads and Basin Plan Amendments for mercury	The State Water Resources Control Board and Regional Water Quality Control Boards complete Total Maximum Daily Loads and Basin Plan Amendments for methyl mercury.	○	✓ No refinement
6.13	Admin.	WQ R08-07	Using methyl mercury control studies determine measures for implementation	The Central Valley Regional Water Quality Control Board review the methyl mercury control studies by December 31, 2018, and determine control measures for implementation starting in 2020.	○	✓ No refinement

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
6.14	Admin.	WQ R09-01	Delta regional water quality monitoring program is developed	A Sacramento-San Joaquin Delta regional water quality monitoring program is developed.	○	<p>✓ Slight refinement</p> <p>Propose adding a target date for implementation completion because a work plan has been completed and is now in the implementation phase.</p>
6.15	Admin.	WQ R10-01	Evaluate ways to reduce contaminant load of discharge wastewater	The Central Valley Regional Water Quality Control Board requires responsible entities that discharge wastewater treatment plant effluent or urban runoff to Sacramento-San Joaquin Delta waters to evaluate whether all or a portion of the discharge can be recycled, otherwise used, or treated in order to reduce contaminant loads to the Sacramento-San Joaquin Delta by January 1, 2014.	○	<p>✓ No refinement</p>
6.16	Admin.	WQ R11-01	Complete Phase 2 plan and amend for dissolved oxygen in Stockton Channel	The State Water Resources Control Board and the Central Valley Regional Water Quality Control Board complete the Phase 2 control plan for the Total Maximum Daily Load and Basin Plan Amendment for dissolved oxygen in the Stockton Deep Water Ship Channel by January 1, 2015.	○	<p>✓ No refinement</p>
6.17	Admin.	WQ R12-01	Complete Basin Plan Amendment for dissolved oxygen in Suisun Marsh wetland	The State Water Resources Control Board and the San Francisco Bay Regional Water Quality Control Board complete the Total Maximum Daily Load and Basin Plan Amendment for dissolved oxygen in Suisun Marsh wetlands by January 1, 2014.	○	<p>✓ No refinement</p>

Key – refinement needed: ○ Slight or none ○ Some ● Significant
 Highlighted rows denote performance measures currently in implementation.

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
Delta Plan Output/Outcome Performance Measures						
6.18	Outcome	WQ-R8, WQ-R11, WQ-R12	Meet dissolved oxygen standards	Progress toward consistently meeting applicable DO standards in the Delta by 2020.	○	<p>✓ Some Refinement</p> <p>Encourage and aid in adoption of DO TMDLs throughout the Delta. As more DO TMDLs are adopted, expand scope of this measure to include more sites and regions.</p> <p>Address potential impacts of the upcoming scheduled closure of the voluntary aeration facility.</p>
6.19	Outcome		Salinity Management/ Salinity Trends	Salinity is defined as the amount of dissolved salt(s) in water. While not specifically listed among the performance measures, salinity has been added owing to its strong value in highlighting the importance of the saltwater-freshwater interface in both Delta water quality and the estuarine habitat overall.	○	<p>✓ Slight refinement</p> <p>Continue to track quantitative data, while utilizing improved data reporting techniques and methods (e.g. Bay-Delta Live).</p> <p>Focus qualitative analysis on the “balancing act” required for regulatory agencies to meet drinking water standards, endangered species habitat and regulatory requirements, and overall ecosystem health.</p> <p>Track degree and frequency of emergency measures implemented (e.g. a need for relaxation of water quality standards), as a benchmark for broader ecosystem and water quality conditions in the Delta, and for identifying new challenges and/or emerging, long term regulatory issues.</p>
6.20	Output	WQ-R9	Implement Delta Regional Monitoring Program (RMP)	A Delta regional water quality monitoring program is implemented within the first 5 years of the Delta Plan.	●	<p>✓ Significant refinement</p> <p>Reclassify as an administrative performance measure.</p> <p>This measure will be replaced with several performance measures that will track constituents otherwise not covered (i.e. Pathogens).</p>
6.21	Output	WQ-R8	Concentration of Pesticides	TMDL's for critical pesticides (i.e. diazinon, chlorpyrifos, and pyrethroids) in the waters and sediments of the Delta are met by 2020.	○	<p>✓ Some refinement</p> <p>Refine PM language to define the metrics, actual constituents, and areas of focus.</p>
6.22	Outcome	WQ-R1	Meet control plan objectives	Water quality in the Delta meets objectives established in the applicable water quality control plan.	○	<p>✓ Some refinement</p> <p>Specify objectives and focus on constituents that will be outlined in the upcoming State of the Estuary Report (SoER) 2015.</p>

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
6.23	Output	WQ-R5	Construct No-Bay Aqueduct AIP	DWR begins constructing the North Bay Aqueduct Alternate Intake Project as soon as possible after the environmental impact report is completed	●	<p>✓ Significant refinement</p> <p>Reclassify as an administrative performance measure.</p> <p>Replace this measure with performance measures that include metrics measuring progress for anticipated key outcomes.</p>
6.24	Output	WQ-R8	Reduce Inorganic nutrients	Progress toward reducing concentrations of inorganic nutrients (ammonium, nitrate, and phosphate) in Delta waters over the next decade.	●	<p>✓ Significant refinement</p> <p>Refine PM language so it clearly focuses on Delta Nutrient Management Objectives, as well as better define metrics in which this measure can be assessed effectively.</p>
6.25	Outcome	WQ-R8	Reduce measureable toxicity	Trends in measurable toxicity from pesticides and other pollutants in Delta waters will be downward over the next decade. (WQ R8)	●	<p>✓ Significant refinement</p> <p>Better define metrics to focus assessing and refining current testing methods by convening with appropriate subject experts to select suitable testing methods.</p>
6.26	Outcome	WQ-R3, WQ-R8	Lessen harmful algal blooms	HABs will lessen in severity and spatial coverage in the Delta over the next decade	●	<p>✓ Significant refinement</p> <p>The Delta Regional Monitoring Program and Bay Regional Monitoring Program are collecting data, but are still in the early stages to properly assess this measure. Refine PM language metrics by addressing a need for stronger data sets, objectives, and measurement standards.</p>
6.27	Outcome	WQ-R3, WQ-R8	Lessen nuisance non-native plants	The spatial distribution and productivity of nuisance nonnative aquatic plants will decline over the next decade	●	<p>✓ Significant refinement</p> <p>Coordinate with the DPC, Delta Conservancy, and Department of Parks and Recreation/Division of Boating and Waterways to discuss data management topics.</p> <p>Better define metrics that reflect specific objectives, measurement standards, and goals for non-native plants</p>

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

Key – refinement needed: ○ Slight or none ◐ Some ● Significant

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
Delta Plan Administrative Performance Measures						
7.1	Admin.	RR P01-01	Develops funding priorities for investment in Delta levees	The Delta Stewardship Council facilitates development of funding priorities for State investments in Sacramento-San Joaquin Delta levees by January 1, 2015.	○	✓ No refinement
7.2	Admin.	RR P02-01	Covered actions for residential development have 200-year flood protection	100 percent of covered actions that involve new residential developments of five or more parcels provide a minimum 200-year level of flood protection when the new developments are located outside specified	○	✓ No refinement
7.3	Admin.	RR P03-01	Covered actions encroaching on floodway don't impede the flow of water	100 percent of covered actions that encroach upon a floodway do not significantly impede the free flow of water or jeopardize public safety.	○	✓ No refinement
7.4	Admin.	RR P04-01	Floodplain value and functions not affected by encroachment on floodplain	100 percent of covered actions that encroach upon a floodplain do not significantly affect floodplain values and functions, per stated requirements.	○	✓ No refinement
7.5	Admin.	RR R01-01	Consider Multi-Hazard Coordination Task Force recommendations	Responsible local, State, and federal agencies with emergency response authority consider the recommendations of the Delta Multi-Hazard Coordination Task Force (Water Code section 12994.5) by January 1, 2014.	○	✓ No refinement
7.6	Admin.	RR R01-02	Evaluates potential for stored material sites by reinforcing Delta levees	The California Department of Water Resources evaluates the potential of creating stored material sites by "over-reinforcing" west Sacramento-San Joaquin Delta levees by January 1, 2014.	○	✓ No refinement

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
7.7	Admin.	RR R01-03	Local agencies develop flood emergency action plans	Local levee maintaining agencies consider developing their own emergency action plans, and stockpiling rock and flood-fighting materials by January 1, 2014.	○	✓ No refinement
7.8	Admin.	RR R01-04	Prepare emergency response plans to protect utility infrastructure	State and local agencies, and regulated utilities that own and/or operate infrastructure in the Sacramento-San Joaquin Delta prepare coordinated emergency response plans to protect the infrastructure from long-term outages resulting from failures of the Sacramento-San Joaquin Delta levees by January 1, 2014.	○	✓ No refinement
7.9	Admin.	RR R02-01	Legislature creates a Delta Flood Risk Management Assessment District	The California Legislature creates a Delta Flood Risk Management Assessment District with fee assessment authority.	○	✓ No refinement
7.10	Admin.	RR R03-01-01	Hold hearings for flood and disaster prevention fees for private utilities	The California Public Utility Commission holds hearings on the topic of imposing a reasonable fee for flood and disaster prevention on regulated privately owned utilities with facilities located in the Sacramento-San Joaquin Delta.	○	✓ No refinement
7.11	Admin.	RR R03-01-02	Take steps to protect public utility infrastructure from levee failure	The California Public Utility Commission directs all regulated public utilities in the California Public Utility Commission's jurisdiction to immediately take steps to protect the public utilities' facilities in the Sacramento-San Joaquin Delta from the consequences of catastrophic failure of levees in the Sacramento-San Joaquin Delta.	○	✓ No refinement
7.12	Admin.	RR R03-02	Set aside funding to pay for flood protection and disaster prevention	The Governor issues an Executive Order directing State agencies with projects or infrastructure in the Sacramento-San Joaquin Delta to set aside funding to pay for flood protection and disaster prevention.	○	✓ No refinement ✓

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
7.13	Admin.	RR R04-01	Develops funding priorities for investments in Delta levees	The Delta Stewardship Council develops funding priorities for State investments in Sacramento-San Joaquin Delta levees by January 1, 2015.	○	✓ Some refinement Update target date to reflect DLIS timeline.
7.14	Admin.	RR R05-01	Evaluate bypass and floodways on San Joaquin River near Paradise Cut	The California Department of Water Resources and the Central Valley Flood Protection Board evaluate a bypass and floodways on the San Joaquin River near Paradise Cut.	○	✓ No refinement
7.15	Admin.	RR R06-01	Maintain navigable efforts in deep water channels supporting Delta Plan	Current efforts to maintain navigable waters in the Sacramento River Deep Water Ship Channel and Stockton Deep Water Ship Channel, led by the U.S. Army Corps of Engineers and described in the Delta Dredged Sediment Long-Term Management Strategy (Appendix K), are continued in a manner that supports the Delta Plan and the coequal goals. Appropriate dredging throughout other areas in the Sacramento-San Joaquin Delta for maintenance purposes, or that would increase flood conveyance and provide potential material for levee maintenance or subsidence reversal is implemented in a manner that supports the Delta Plan and coequal goals.	○	✓ No refinement
7.16	Admin.	RR R07-01	Evaluate if other areas should be designated as floodways	The Central Valley Flood Protection Board evaluates whether additional areas both within and upstream of the Sacramento-San Joaquin Delta should be designated as floodways.	○	✓ No refinement
7.17	Admin.	RR R08-01	Develops criteria for locations of future setback levees	California Department of Water Resources develops criteria to define locations for future setback levees in the Sacramento-San Joaquin Delta and Sacramento-San Joaquin Delta watershed.	○	✓ No refinement
7.18	Admin.	RR R09-01	Legislature requires adequate flood insurance in flood prone areas	The California Legislature requires an adequate level of flood insurance for residences, businesses, and industries in flood prone areas.	○	✓ No refinement

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
7.19	Admin.	RR R10-01	Changes to State law to address State's potential flood liability	The California Legislature considers making changes to State law and/or constitutional changes that address the State's potential flood liability, including giving State agencies the same level of immunity with regard to flood liability as federal agencies have under federal law.	○	✓ No refinement

Key – refinement needed: ○ Slight or none ◐ Some ● Significant
 Highlighted rows denote performance measures currently in implementation.

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
Delta Plan Output/Outcome Performance Measures						
7.20	Output	RR-R1	Implement multi-hazard emergency response	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>✓ No refinement</p> <p>Lack of resources among local agencies is one of the impediments to achieving an increased level of emergency preparedness.</p> <p>Uncertainty about reimbursement for immediate action is a deterrent for local agencies to provide assistance to another local agency.</p> <p>Consider working with CalOES and others to highlight funding gaps and build momentum for legislative changes to ensure that funding will be available for immediate emergency response actions.</p> <p>Consider elevating the visibility of emergency planning and preparedness by creating a new, successor task force comprised of decision makers from key stakeholder agencies, or by expanding membership in the Delta Plan Interagency Implementation Committee.</p>
7.21	Outcome	RR-R1	Reduce casualties and economic damages	No lives are lost in the Delta as a result of flood emergencies, and economic damages associated with Delta flood emergencies decrease	◐	<p>✓ Some refinement</p> <p>Casualties in the Delta due to floods are uncommon so it will be hard to show a trend. According to NOAA's Storm Events database, only 4 deaths from separate events have occurred in the Delta Counties since 1996.</p> <p>Remove lives lost from the measure and continue to track damages.</p>
7.22	Output	RR-P1	Levees below HMP	Delta land acreage and the number of reclamation districts with levees below HMP are reduced.	◐	<p>✓ Some refinement</p> <p>HMP is a FEMA designation for reimbursement of emergency response costs. FEMA has terminated its MOU with CalOES so this standard is no longer appropriate.</p> <p>The Council is developing acceptable levels of risk through the Delta Levee Investment Strategy project.</p> <p>Consider revising this measure to reflect findings of the Delta Levee Investment Strategy project.</p>
7.23	Output	RR-P1	Water delivery facilities - freshwater aqueducts	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.	◐	<p>✓ Some refinement</p> <p>Combine 7.23 and 7.24 to emphasize the outcome of reducing risk of water delivery interruptions due to facilities failure in the Delta caused by floods or earthquakes.</p> <p>Consider an alternative output PM of tracking the implementation of management actions such as: levee maintenance or improvement, structural integrity of levees through periodic surveys, flood management operations and emergency response preparations.</p>

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Recommendation
7.24	Outcome		Water delivery facilities - EBMUD, CCWD, CVP, SWP	Water deliveries to East Bay Municipal Utilities District, Contra Costa Water District, the CVP, and the SWP are not interrupted by floods or earthquakes.	○	<p>✓ Some refinement</p> <p>Combine 7.23 and 7.24 to emphasize the outcome of reducing risk of water delivery interruptions due to facilities failure in the Delta caused by floods or earthquakes.</p> <p>Consider an alternative output PM of tracking the implementation of management actions such as: levee maintenance or improvement, structural integrity of levees through periodic surveys, flood management operations and emergency response preparations.</p>
7.25	Output	RR-R5	Construct bypass & floodway	DWR and the CVFPB construct a bypass and floodway on the San Joaquin River near Paradise Cut.	●	<p>✓ Significant refinement</p> <p>Reclassify as an administrative performance measure.</p> <p>Staff will continue to track the progress of this project.</p> <p>Consider additional output/outcome measures that will address the strategy to protect and expand floodways, floodplains, and bypasses.</p>
7.26	Outcome	RR-P1	FEMA reimbursement for emergency response and recovery	Emergency response and recovery costs are eligible for FEMA reimbursement.	○	<p>✓ Some refinement</p> <p>FEMA has terminated its MOU with CalOES for reimbursement of response and recovery costs.</p> <p>Under PL 84-99, USACE may fund the repair of levees actively participating in the Rehabilitation and Inspection Program.</p> <p>Refine language to track emergency response and recovery costs that are eligible for any federal reimbursement including USACE, not only FEMA.</p>
7.27	Output	RR-P2	Plan for sea level rise	New residential development takes into account sea level rise in flood protection planning and development.	○	<p>✓ Some refinement</p> <p>Clarify the language to match RR-P2 if that is the intent of this measure.</p>

Delta Plan Chapter 8: Funding Principles to Support the Coequal Goals

Key – refinement needed: ○ Slight or none ○ Some ● Significant

Item #	Type	Policy or Rec.	Short Title	Delta Plan Description	Refinement Level	Progress/Observation	Recommendation
Delta Plan Administrative Performance Measures							
8.1	Admin.	FP R01-01	Inventorying program and project spending that contribute to coequal goals.	An inventory of current State and federal spending on programs and projects that contribute to the coequal goals is conducted.	○	<p>✓ Active</p> <p>Final review of data to be completed by July, 2015. Final enhancements are being implemented with Delta View going into production in July, 2015.</p>	✓ No refinement
8.2	Admin.	FP R02-01	A Delta Finance Plan has been developed and is funded.	A Delta Finance Plan has been developed and is funded.	○	<p>✓ Active</p> <p>Delta Finance Plan discussion took place soon after adoption of the Delta Plan. A request for a dedicated staff person to work on the Delta Finance Plan was denied. The California Water Action Plan pledges the Administration to develop a water financing strategy that identifies funding sources for water related projects. Proposition One provides funds for water storage, regional water self-sufficiency, improved flows, habitat restoration, and Delta levees.</p>	✓ No refinement
8.3	Admin.	FP R03-01	Funding gaps will hinder progress toward meeting the coequal goals.	State and federal funding gaps have been identified that are determined to hinder progress toward meeting the coequal goals.	○	<p>✓ Active</p> <p>Delta Plan Interagency Implementation Committee discussions have begun to identify funding gaps.</p>	✓ No refinement

There are no output/outcome performance measures for Chapter 8.