

CVP Power Initiative Implementation Plan

Last Revised: 10/13/2021

Milestone	Action	Timeline	Target Completion	Status	Completion Date	Lead Office	Lead POC
I. Reporting and Implementation							
(I).1.a. - Provide a report of implementation to the Commissioner and Deputy Commissioners.							
	Develop a schedule with reporting milestones within 60 days of memo.	Within 60 days of memo	8/23/2019	Reclamation provided a coordinated action plan, complete with milestones, tasks and target completion dates for each directive on August 23. All information can be found here https://www.usbr.gov/mp/hydro.html .	8/23/2019	CVO	Melavic
(I).1.b. - Provide an implementation status report to the Commissioner and Deputy Commissioners.							
	Provide an implementation status report of the action plan within 120 days of memo.	120 days of memo	10/23/2019	This revised plan as of October 18, 2019 is the 120-day status report.	10/18/2019	CVO	Melavic
	Provide a status report every 6 months.	every 6 months	4/20/2020	This revised plan as of May, 2020 and presented to the next customer forum (CCC), scheduled on June 2, 2020.	5/18/2020		
	Provide a status report every 6 months.	every 6 months	10/16/2020	This revised plan as of October, 2020 and presented to the next customer forum (CCC).	10/16/2020		
	Provide a status report every 6 months.	every 6 months	4/15/2021	This is the revised plan as of April, 2021 and will be presented to the next customer forum (CCC)	4/15/2021		
	Provide a status report every 6 months.	every 6 months	10/12/2021	This is the revised plan as of October 2021 and will be presented to the next customer forum (CCC)			
	Provide a status report every 6 months.	every 6 months	4/8/2022				
II. Implementation - Cost Stability - Predictability and Transparency							
(II).1.a. - Work with customers, WAPA and project proponent for Sites/North-of-Delta Off-Stream Storage (NODOS) Project on hydropower purpose analysis.							
	Discuss analysis of benefits, costs, and financial impacts associated with the draft feasibility report's inclusion of a hydropower purpose to the proposed Sites/NODOS project with power customers at Power Customer Coordination Committee (CCC) meeting.		1/15/2019	Discussion Initiated in January 2019 customer meeting and ongoing per customer request to receive updates. It has been decided that hydropower generation is no longer being used or considered as a benefit for NODOS and thus no longer in the benefit calculation for Reclamation purposes.	3/13/2019	MP-700	Vince Barbara
	Draft Lt-Gen hydropower purpose analysis for Sites/NODOS project discussion with power preference customers.		2/11/2019	This Item was discussed with Power customers on 2/11/2020 at the CCC Meeting and with WAPA/Sites Administrator. Sites/NODOS is behind schedule due to manning issues. Sites is currently pursuing 2x paths with USBR as exchange customer or investor. Results in FR are now out of date due to sponsor changing many facilities/configurations. Recent efforts have removed hydropower generation as a claimed benefit from the NODOS project. As a result, no further hydropower modeling has been reviewed. The Authority, under its new alternative, is producing new hydropower modeling, independently of Reclamation and will make this modeling available December 2020; however, this modeling is unlikely to impact any benefit analysis as hydropower generation is no longer being used in the benefit calculation for Reclamation purposes.	2/11/2020		
	Submit administrative Final Feasibility Report to Commissioner's Office.		5/28/2020	The NODOS Feasibility Study is currently at OMB (9/18/2020) despite the Sites Authority reviewing different alternatives. USBR expects a determination of feasibility by the Secretary around November 2020. The feasibility report will go forward using the 2017 draft EIS/EIR that went out for public comment. The final EIS/EIR is to be completed by Spring 2022.	9/2/2020		
	Submit administrative Final Environmental Impact Statement to Commissioner's Office.		5/1/2022	The NODOS/Sites Reservoir Project was determined technically, economically, and financially feasible by the Secretary in December 2020. The alternatives under consideration have changed since that time, and Reclamation is preparing an addendum to the Feasibility Report to present Reclamation's selected alternative. Sustainable hydropower generation was previously a secondary objective of the project, but this objective has been dropped in the addendum (the benefit to cost ratio specific to this objective was less than one in feasibility-level studies for new hydropower facilities including pumpback capability). Generation of hydropower on the release of water is retained, but only for purposes of reducing the operating cost. A supplemental draft EIS/EIR will go out for public review August/September 2021. The final EIS/EIR is to be completed			
	Participate in regular calls and discussions with Joint Power Authority to develop operations plan proposal.		Ongoing	Participating in Reservoir Committee and Executive Committee meetings.	Ongoing		
	Work with WAPA, customers and project proponents to finalize operations plan after determination of feasibility.		Sometime in 2022	The NODOS/Sites Reservoir Project was determined technically, economically, and financially feasible by the Secretary in December 2020. The alternatives under consideration have changed since that time, and Reclamation is preparing an addendum to the Feasibility Report to present Reclamation's selected alternative. Sustainable hydropower generation was previously a secondary objective of the project, but this objective has been dropped in the addendum (the benefit to cost ratio specific to this objective was less than one in feasibility-level studies for new hydropower facilities including pumpback capability). Generation of hydropower on the release of water is retained, but only for purposes of reducing the operating cost. A supplemental draft EIS/EIR will go out for public review August/September 2021. The final EIS/EIR is to be completed			
(II).1.b. - Communicate any modifications to the benefits analysis in the NODOS Feasibility Report to power customers and appropriate stakeholders.							
	Draft Lt-Gen benefits analysis for Sites/NODOS project for discussion with power preference customers.		2/11/2019	This Item was discussed with Power customers on 2/11/2020 at the CCC Meeting and with WAPA/Sites Administrator. Sites/NODOS is behind schedule due to manning issues. Sites is currently pursuing 2x paths with USBR as exchange customer or investor. Results in FR are now out of date due to sponsor changing many facilities/configurations. Recent efforts have removed hydropower generation as a claimed benefit from the NODOS project. As a result, no further hydropower modeling has been reviewed. The Authority, under its new alternative, is producing new hydropower modeling, independently of Reclamation and will make this modeling available December 2020; however, this modeling is unlikely to impact any benefit analysis as hydropower generation is no longer being used in the benefit calculation for Reclamation purposes.	2/11/2020	MP-700	Ryan Davis Vince Barbara
	Submit administrative Final Feasibility Report to Commissioner's Office.		5/28/2020	The NODOS Feasibility Study is currently at OMB (9/18/2020) despite the Sites Authority reviewing different alternatives. USBR expects a determination of feasibility by the Secretary around November 2020. The feasibility report will go forward using the 2017 draft EIS/EIR that went out for public comment. The final EIS/EIR is to be completed by Spring 2022.	9/2/2020		
	Submit administrative Final Environmental Impact Statement to Commissioner's Office.		5/1/2022	The NODOS project was determined technically and financially feasible by the Secretary in December 2020. Hydropower generation is limited to two 40MW generating facilities. A publicly available detailed project description is listed on Sitesproject.org--A supplemental draft EIS/EIR will go out for public review August/September 2021. The final EIS/EIR is to be completed by summer 2022.			

	Participate in regular calls and discussions with Joint Power Authority to develop operations plan proposal.		Ongoing	Participating in Reservoir Committee and Executive Committee meetings.	Ongoing		
	Work with WAPA, customers and project proponents to finalize operations plan after determination of feasibility.		TBD 2022	A draft term sheet describing proposed operations is in development. Upon completion of the term sheet and EIS/EIR, a WAPA Interconnection request will likely begin in 2022 as the project's operations plan and electrical requirements are further			
(II).1.c. - Work with non-federal cost share partners, preference power customers, WAPA and stakeholders for Shasta Raise hydropower purpose analysis.							
	Provide Shasta Dam Raise updates at WAPA CCC meeting to ensure benefits, costs, and financial impacts associated with the draft Feasibility Report's inclusion of a hydropower purpose to the proposed project are analyzed, evaluated, and considered as the project moved forward.		8/22/2019	Complete.	8/22/2019	MPCO	Welsh
	Lt-Gen corrections for power benefits due/to-be-completed.		TBD	Lt-Gen and PLEXOS models have been evaluated by Reclamation. Lt-Gen model may be overpredicting generation and therefore planning division proposed a regression approach to address the bias. They are currently migrating to a greater focus on Lt-Gen for power modeling, instead of PLEXOS. Lt-Gen is being utilized to provide the power benefits due to unforeseen restrictions in the Plexos model. The Shasta Raise currently lacks support to move forward and is on hold until	ongoing	CGB 700	James Lu
	Contract to be awarded to provide additional PLEXOS runs to improve hydropower benefits analysis.		11/1/2020	Contract awarded. Complete.	8/19/2019		
	Complete revised benefits analysis.		4/1/2021	Benefits analysis will be provided at the power customer meeting following completion. Currently reviewing the modelling results of the revised benefits analysis. No new updates as of 3/19/2021			
(II).1.d. - Work with preference power customers and WAPA as appropriate on other feasibility studies.							
	Discuss as a part of Reclamation's "Power Update" at all Power Customer CCC meetings to ensure the benefits, costs, and financial impacts associated with the inclusion of a hydropower purpose for proposed projects are analyzed, evaluated, and considered as projects move forward.	Every power meeting	Ongoing	As reported at the power update provided at the October 10, 2019 CCC meeting, a Reclamation team has actively been analyzing the models LT Gen and Plexos to assess the level of accuracy appropriate for feasibility studies. Reclamation continues to investigate opportunities to improve the physical and economic power benefit modeling in cooperation with Federal and non-Federal partners. The source of power necessary to operate State-led storage projects will continue to be analyzed as operations plans and other regulatory requirements are drafted and finalized. Updates will be shared with Preference Power customers as necessary.	Ongoing	MPCO	Vince Barbara
(II).1.d.1. - If feasibility is appropriately determined and Congressional authorization provided for a project - work with power customers, WAPA, project proponents, water contractors, and stakeholders to develop detailed operations plan.							
	Modify appropriate internal directives to include outreach for stakeholders and power marketing agencies. Determine if additional outreach is required before feasibility is determined and add to appropriate directives and standards (if not already included).		7/31/2020	Following release of Appraisal Study D&S (CMP 09-01) and Planning Policy (CMP P09), Reclamation will begin updates to CMP 09-02 in 2019. CMP 09-02 was revised on December 12, 2019. As D&S are updated, BOR will provide updates to CVP Power customers as relevant.	12/12/2019	84-55000	
	Reclamation's Planning Office (MP-700) will begin coordination and development of detailed operations plan if and when feasibility is appropriately determined and Congressional authorization is provided for a project.	As needed basis.	Ongoing	Work will occur if/when feasibility is determined for any proposed project.	Ongoing	MP-700	Vince Barbara
(II). 1.e. - Develop a Standard Operating Procedure (SOP) to document methodology and procedures for construction cost recovery.							
	Meet with CVP Financial Affairs Committee (FAC) to determine items for SOP.		7/19/2019	Reclamation met with the CVP FAC and determined the SOP will document what Reclamation will do to ensure repayment is accomplished by 2030.	7/19/2019	MP-3000	Lubas-Williams
	Develop draft SOP within 60 days of meeting with FAC.		9/17/2019	An SOP was drafted and sent to FAC customers and WAPA for CVP Power customers for review. Customers provided feedback and BOR made necessary changes. As of 10/13/2020, The SOP is out for a second review.	9/18/2020		
	Share draft SOP at next FAC meeting.		9/20/2019	Initial draft SOP was shared 9/18/2020. Revised SOP has been sent to FAC and WAPA customers.	9/18/2020		
	Share draft SOP at WAPA CCC Customer Meeting.		10/10/2019	Reclamation will share the final SOP for Construction Cost Recovery with Power customers at the Customer Meeting immediately following the finalization of the SOP. Power customers have already received the most updated draft SOP. The final SOP is complete and will be shared with Power customers at the next customer meeting.	6/9/2020		
(II).1.f. - Develop aid-to-irrigation document for Water Infrastructure Improvement for the Nation (WIIN) Act projects.							
	Develop document describing handling of aid-to-irrigation for WIIN Act construction prepayment and new construction projects funded under WIIN authorities within 60 days of memo.	Within 60 days of memo.	8/28/2019	Reclamation provided a presentation and consulted with water and power stakeholders on TRMR #122, which was then finalized August 2019. The document can be found here: https://www.usbr.gov/recman/temporary_releases/pectrmr-122.pdf	8/28/2019	84-55000	Bill Taylor
(II).1.g. - Share the SOP documenting the methodology for treatment of non-permanent revenue.							
	Share draft SOP with customers at customer CCC meeting.		10/10/2019	Two draft SOP's have been prepared. They are being reviewed internally and shared with Reclamation FAC customers prior to sharing with WAPA for their comments. Still in Internal review process. Two Draft SOPs were shared with FAC members and WAPA on 5/26/2020. Changes and comments were received and documented.	5/26/2020		
	Discuss two finalized SOPs with power customers at CCC meeting.		10/10/2019	Non-permanent revenue SOP is complete and will be shared with power customers at the next customer meeting.	4/2/2021		
	Finalize SOP, which identifies (a) what this revenue represents (definition of this water), (b) the justification for the accounting process, and (c) description of the rate-setting schedules.	Review annually.	11/1/2019	Non-permanent revenue SOP is complete and will be shared with power customers at the next customer meeting.	4/2/2021		
	Review the guidelines annually.		11/1/2020	Reclamation can review Guidelines annually as needed.	Ongoing		
(II).1.h. - Work with WAPA to maintain 10-year forecast of capital improvements. Review with customers at Technical Committee Meetings.							
	Complete 10-year forecast of capital improvements for CVP power infrastructure.		8/6/2019	Complete and ongoing revisions tied to each MMPPC meeting.	8/6/2019	CVO	Melavic
	Reclamation provided a presentation and an opportunity to review the 10-year forecast with CVP customers at Technical Committee Meetings.	Every Technical Committee	8/6/2019	This was provided at the MMPPC and Technical Committee Meeting and finalized August 2019. - Complete and ongoing.	8/6/2019		
	Update 10-year forecast annually.	Annually.	8/1/2020	For latest updates, please contact Steve Melavic at smelavic@usbr.gov. The forecast is being revised and shared with power customers more frequently than annually (MMPPC, Technical Committee and CCC meetings). This has been included as part of the agenda for each meeting and is updated regularly. Updates are shared at each meeting as part of the agenda.	Complete/Ongoing		
(II).1.i. - Work with WAPA, power customers, and stakeholders to develop a variance percentage threshold between budgeted and actual expenditures.							
						MP-3000	Lubas Williams

		Reclamation will seek customer and stakeholder input on appropriate variance percentage threshold.	Ongoing.	10/31/2019	Reclamation submitted a memorandum to WAPA for approval, which proposes to establish a 10% variance threshold for budget and actual expenditures on multi-purposes O&M Construction Costs. Explanation of any exceedance beyond 10% will be provided by both agencies. The memorandum was submitted on 9/23/2020.	9/23/2020		
		Determine appropriate variance percentage threshold between budgeted and actual expenditures for transparency of multipurpose O&M and construction costs.	Ongoing.	1/13/2020	Reclamation prepared a memorandum for WAPA for approval, which proposes to establish a 10% variance threshold for budget and actual expenditures on multi-purposes O&M Construction Costs. Explanation of any exceedance beyond 10% will be provided by both agencies. The memorandum was drafted on 9/23/2020 and will be sent to WAPA for approval by the end	4/15/2021		
		Document and share variance percentage commitment with power customers.		6/1/2020	This information will be shared at the CCC meeting immediately following finalization.	4/15/2021		
		(II).1.j. - Implement benchmarking of CVP hydropower data and share annually.					CVO	Sanchez
		Prepare preliminary report outlining results of cost and operational data for CVP generators.		10/31/2019	Reclamation continues to develop this report and will share when completed. Suggested metrics for the data shared with customers via email. CVO Office shared Benchmarking data from 2016-2018 with Power customers in February 2020 at the TC Meeting	2/6/2020		
		Share results with Reclamation management and power customers.		10/31/2019	Results were shared at customer TC meeting in February 2020 following completion. This is an annual requirement and will continue each year after benchmarking results are finalized.	2/6/2020		
		Prepare and share report with Reclamation management and power customers annually.	Annually.	10/31/2020	Results will be shared at TC meetings annually.	Ongoing		
III. Implementation - Lost Production Opportunities								
		(III).1.a. - Use best available science with plant bypass operations.					CVO	Kiteck/Melavic
		Coordinate with the American River and Sacramento River groups when evaluating power plant bypass operations for species mitigation.	Ongoing	Ongoing	Reclamation will continue to coordinate with the groups to use data for decision-making and to incorporate real-time monitoring into decisions. Updates from these meetings are provided during customer meetings. In late October 2019, Reclamation and WAPA's engagement with the American River group resulted in mitigating a proposed bypass of Folsom Powerplant by applying available science. For Fall 2020 Reclamation is awaiting a power bypass proposal from the American River Group. This proposal will be evaluated using current, relevant information and the best available science. Reclamation is preparing a Bypass Initiative Framework document and will share with power customers when complete.	Ongoing		
		Coordinate with American River and Sacramento River groups to ensure use of best available science with plant bypass operations.		Ongoing	Reclamation will continue to coordinate with the groups to use data for decision-making and to incorporate real-time monitoring into decisions. Updates from these meetings are provided during customer meetings. In late October 2019, Reclamation and WAPA's engagement with the American River group resulted in mitigating a proposed bypass of Folsom Powerplant by applying available science. For Fall 2020 Reclamation is awaiting a power bypass proposal from the American River Group. This proposal will be evaluated using current, relevant information and the best available science. Reclamation is preparing a Bypass Initiative Framework document and will share with power customers when complete.	Ongoing		
		(III).1.b. - Coordinate with WAPA fisheries biologist in adaptive management committees.			The WAPA fisheries biologist has been participating in all pertinent river system groups. All efforts are made to include the WAPA fisheries biologist in pertinent river systems discussions.	Ongoing	CVO	Kiteck/Melavic
		Invite WAPA biologist to tour the Central Valley Office control center and provide an overview of CVO operations.		4/26/2019	Complete.	4/26/2019		
		Invite WAPA fisheries biologist to attend adaptive management committees (American River Group and Sacramento River Temperature Task Group) to help ensure requests for power bypass operations are supported by best available science.		6/20/2019	Any information from those meetings is updated through WAPA's channels.	6/20/2019		
		(III).1.c. - Review Shasta Water Control Manual (WCM) potential.					CVO-100	
		Reclamation will evaluate the forecast-informed reservoir operations when the U.S. Army Corps of Engineers opens this process for comment.	Ongoing	When situation occurs	This action will occur when the U.S. Army Corps of Engineers initiates revisions to the WCM. The Shasta Water Control Manual can only be triggered by the Army Corps; which has not yet happened. No current change to status as of 10/7/2021.	When action is initiated by the USACE		
		(III).1.d. - Provide updates on flood control operations.					CVO	Kiteck
		Include flood operations updates in the weekly status reports to power customers.	Ongoing	8/30/2019	Flood operations updates are now included in the weekly status report to power customers when in flood operations.	8/30/2019		
		Discuss as a part of Reclamation's "Power Update" at all Power Customer CCC meetings.	Ongoing	Ongoing	Reclamation provides water operations updates at each power customer CCC meeting. This includes flood control operations when relevant.	Ongoing	CVO	Melavic
		(III).1.e. - CVP Hydropower Outage Scheduling - Framework at Maintenance and Major Project Planning Committee (MMPPC)					CVO	Fox
		Inform customers about the concepts adopted in the CVP Hydropower Outage Scheduling framework document by posting to Reclamation's website.		6/25/2019	Content of the Outage Scheduling Framework was presented at the summer 2019 CCC meeting.	6/25/2019		
		Include an agenda item on the next MMPPC and the MP SNR O&M meeting to discuss FY20 outage schedule and receive input from power customers.		9/5/2019	This action will occur when the next MMPPC is scheduled.	4/13/2020		
		(III).1.f. - Coordinate O&M, outages at MMPPC					CVO	Fox
		Include an ongoing agenda item for the MMPPC meeting to discuss and coordinate items related to O&M and planned and ongoing outages.		Ongoing	Reclamation added this item to its agenda and will continue to discuss and coordinate at MMPPC meetings.	Ongoing		
		Develop a scheduling guide that Reclamation Area Offices will utilize to help schedule outages.		4/1/2020	Reclamation developed a guide and cost calculator. These are regularly used and discussed at MMPPC meetings.	4/2/2020		
		(III).2.a. - Review and revise Hydropower Program Policy (FAC P04).					PRO	Bishop
		Revise existing Hydropower Program Policy to develop appropriate language that Power Resources Office will maintain, monitor, and renew procurement options to streamline regional hydropower program services in a way that is consistent with existing law and regulations.		7/3/2019	Complete.	7/3/2019		
		Brief DC leadership on Policy overview briefing.		9/20/2019	Complete.	9/20/2019		

	Publish revised Hydropower Program Policy.		12/1/2019	FAC P04 was revised and published on 10/23/2019	10/23/2019		
	(III).2.b. - Track and evaluate the performance of implemented procurement streamlining solutions.					PRO	Spiker
	Develop specific benchmarks to measure cost savings by using new procurement tools.		11/1/2019	Reclamation will share the benchmarks on the MP Power Website and in customer meetings. Reclamation continues to explore procurement streamlining solutions. A benchmark strategy was developed in November 2019. At this point the Tennessee Valley Authority interagency Agreement has not been utilized on CVP projects. We have coordinated with them on upcoming work and plan to have them onsite to look at the proposed projects. We are also working on additional contracts to help in the streamlining efforts.	Ongoing		
IV. Implementation - Value of Resource							
	(IV).1.a. - Continued support for WAPA - Energy imbalance market (EIM)					CVO	Melavic
	Continue to meet with customers to evaluate benefit and costs for implementation.		4/2019 - Ongoing	All initial hardware, software, and procedural needs for CVP participation in CAISO's Western Energy Imbalance Market (EIM) are in place. CVO has continued to work with WAPA and other partners on refinements of effective market operational strategies to capitalize on the flexibility of the CVP hydro resources in the EIM. CVP began live operations in the EIM at 0001 on March 25th, 2021. Hardware, software, and procedural needs for CVP participation in CAISO's Western Energy Imbalance Market (EIM) are functional and will evolve as operational experience and conditions dictate. Future updates on the economic performance of the EIM will generally be provided by the WAPA SNR office during their regular customer meetings. Future updates on the economic performance of the EIM will generally be provided by the WAPA SNR office during their regular	Ongoing		
	Continue coordination meetings with Reclamation, WAPA and BANC.		4/2019 - Ongoing	Frequent meetings continue to occur between Reclamation, WAPA, and BANC.	Ongoing		
	Continue to provide support for following WAPA determination on implementing EIM.		Ongoing	Public comment period on EIM ended on 8/16/19. On Aug 27, 2019, WAPA made a determination to move forward with their Sierra Nevada Region's participation in EIM. Reclamation is continuing to support WAPA during implementation process.	8/27/2019		
	(IV).1.b. - Explore water order schedules to allow for better forecasting of O'Neil Pump/Generation Plant operations and power demands.					CVO	Fox
	Meet with SLDMWA, San Joaquin River Water Authority, and San Joaquin River Exchange Contractors to discuss option on improving O'Neil Operations.		6/12/2019	Water customers (SLDMWA, San Joaquin River Water Authority, and San Joaquin River Exchange Contractors) have agreed to improve forecasting of operations at O'Neill. - Complete.	6/12/2019		
	Share power economics data with water customers.		6/12/2019	Economics shared - Complete.	6/12/2019		
	Test the new process to transmit O'Neill and Tracy PUP schedules to the SLDMWA.		10/1/2019	A new process was developed and testing began in October 2019. The process includes transmitting daily pumping generation schedules between CVO and SLDMWA. Denver IT approved direct transfer of data to SLDMWA in December 2019.	12/31/2019		
	(IV).1.c. - Adopt principles outlined in framework on improved operational flexibility.						
	Discuss as a part of Reclamation's "Power Update" at all Power Customer CCC meetings.	Ongoing	Ongoing	Power Update is provided at CCC meetings regularly.	Ongoing	CVO	Melavic
	(IV).1.d. - Advance discussions about optimizing operational flexibility scheduling.						
	Evaluate proposals submitted by power customers to determine whether they should become part of standard operations.		8/2019 - Ongoing	USBR and WAPA explored scheduling flexibility for the Base Resource product to allow customers to realize higher value for the product. As a general rule, subject to generation holding load requirements, the customers' hourly scheduling limits for Base Resource will follow the market price trend. These scheduling flexibility enhancements have been instituted as standard operating process and have resulted in increased value of the Base Resource by allowing customers to schedule less energy in the low value hours and more energy in the high value hours.	Reference Region's hydropower website for graphic update presentation by WAPA. May, 2020		
	Discuss as a part of Reclamation's "Power Update" at all Power Customer CCC meetings.	Ongoing	10/10/19 - Ongoing	Experiments are evaluated monthly and discussed regularly at Power Customer CCC meetings. CVO will continue to support EIM and provide updates in coordination with WAPA as EIM is incorporated in operations.	Ongoing	CVO	
	(IV).2. - Track schedule for California zero carbon and carbon neutral rulemaking process.						Bishop
	Reclamation's Power Resources Office will track the schedule for the California zero carbon and carbon neutral energy rulemaking process.		9/1/2021	Reclamation is registered with California State list-serves responsible for SB-100 implementation and will receive updates as the rulemaking process continues. Reclamation's Power Resources Office will continue to work with the HPOC to keep awareness of this action. Reclamation supports Power Customer's desire to have large hydro count for renewable energy credits and understands the significance of this desire. No significant updates to SB-100/zero carbon goals. Reclamation has assisted trying to get Folsom PP approved for LIH Certification to further improve chances of some RECs for CVP Power.	Ongoing		
V. Implementation - Improved Customer Service							
	(V).1.a. - Adopt framework for large-scale delta conveyance facility.						Melavic
	Engage power in the planning process and provide regular updates to power customers.	Ongoing	5/31/19 - Ongoing	The State of California continues to proceed with planning efforts for the Delta Conveyance Project. The state released the Notice of Preparation (NOP) for the new project. Reclamation submitted a comment letter that requested a clear delineation between the existing biological monitoring requirements and the monitoring requirements resulting from changes from system wide programs due to the addition of the Delta Conveyance Project; an initial plan that describes how DWR would operate the Delta Conveyance Project and comply with Federal Endangered Species Act requirements related to operations; and a detailed analysis of the effects of the Delta Conveyance Project on the CVP. From Reclamation's perspective, there is not anything new to report. Reclamation has not re-engaged with the State of California on Delta Conveyance Project and we are not sure what direction this Administration will want to go regarding the project and our participation.	Ongoing	CVO	
	(V).1.b. - Develop Mid-Pacific webpage on Reclamation's website to host initiative updates.					PAO	Plain

		Develop webpage that contains the (a) coordinated action plan, (b) biannual updates, (c) accomplishments, and (d) reference materials for the CVP Power Initiative.		6/24/2019	The webpage and all associated information can be found here: https://www.usbr.gov/mp/hydro.html - Complete.	6/24/2019		
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