



— BUREAU OF —  
RECLAMATION

## CVP Power Initiative Implementation Plan

Last Reviewed: 4-17-2023

Milestone	Action	Timeline	Target Completion	Status	Completion Date
<b>I. Reporting and Implementation</b>					
(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 <a href="https://www.usbr.gov/mp/hydro.html">https://www.usbr.gov/mp/hydro.html</a> .	8/23/2019
(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
	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)	10/16/2021
	Provide a status report every 6 months.	Every 6 months	4/8/2022	This is the revised plan as of April 2022 and will be presented to the next customer forum (CCC)	4/15/2022

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	Provide a status report every 6 months.	Every 6 months	10/15/2022	This is the revised plan as of October 2022 and will be presented to the next customer forum (CCC)	10/25/2022
	Provide a status report every 6 months.	Every 6 months	4/15/2023	This is the revised plan as of April 2023 and will be presented to the next customer forum (CCC)	NA
<b>II. Implementation - Cost Stability - Predictability and Transparency</b>					
(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.	NA	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
	Draft Lt-Gen hydropower purpose analysis for Sites/NODOS project discussion with power preference customers.	NA	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
	NODOS Final Feasibility Report and Finalize OMB Review of NODOS Feasibility Addendum	NA	5/1/2023	The NODOS Feasibility Study received a determination of feasibility by the Secretary in December 2020. OMB requested an Addendum to the Feasibility Report to identify the selected alternative. A summary of the Addendum was sent to OMB in November 2022, and CGB-Region is preparing to provide a briefing to OMB in	NA

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				April/May 2023. The final EIS/EIR is to be completed by <b>mid-2023</b> .	
	Submit administrative Final Environmental Impact Statement to Commissioner's Office.	NA	<b>5/15/2023</b>	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 pump back capability). Generation of hydropower on the release of water is retained, but only for purposes of reducing the operating cost. <b>A Design, Estimating and Construction (DEC) review of the engineering alternative occurred in February 2022, resulting in five findings. The operational alternative is described in the addendum. CGB-Region is preparing to brief OMB on the Addendum. The Final EIR/EIS is scheduled to be published in mid-2023.</b>	NA
	Participate in regular calls and discussions with Joint Power Authority to develop operations plan proposal.	NA	Ongoing	Participating in Reservoir Committee and Executive Committee meetings. <b>Reclamation, the SITES Authority, and DWR developed a joint operations framework in 2021, and has begun discussing potential operational framework. CGB-Region is developing a Basis of Negotiation (BON) to begin negotiating an operations agreement with the Authority. The BON should be submitted to the Reclamation Law Administration Division (RLAD) in April 2023. When SITES operational framework is developed and accepted, Reclamation will share with CVP Power Customers.</b>	Ongoing
	Work with WAPA, customers and project proponents to finalize operations plan after determination of feasibility and executed BON.	NA	<b>mid-2023</b>	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	NA

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				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 pump back capability). Generation of hydropower on the release of water is retained, but only for purposes of reducing the operating cost. <b>A Design, Estimating and Construction (DEC) review of the engineering alternative occurred in February 2022, resulting in five findings. The operational alternative is described in the addendum.</b>	
(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.	NA	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 Feasibility Addendum to OMB	NA	<b>5/1/23</b>	The NODOS Feasibility Study received a determination of feasibility by the Secretary in December 2020. OMB requested an Addendum to the Feasibility Report to identify the selected alternative. A summary of the Addendum was sent to OMB in November 2022, and CGB-Region is preparing to provide a briefing to OMB in April/May 2023. The final EIS/EIR is to be completed by <b>mid-2023.</b>	NA

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	Submit administrative Final Environmental Impact Statement to Commissioner's Office.	NA	<b>5/15/23</b>	The NODOS project was determined technically and financially feasible by the Secretary in December 2020. 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 pump back capability). Generation of hydropower on the release of water is retained, but only for purposes of reducing the operating cost. <b>A supplemental draft EIR/EIS was released in November 2021. The public comment period closed in January 2022. Reclamation and the SITES Authority are working on responding to comments and preparing the final EIR/EIS, scheduled for release in mid-2023.</b>	NA
(II).1.c. - Work with non-federal cost share partners, preference power customers, WAPA and stakeholders for Shasta Raise hydropower purpose analysis.	Participate in regular calls and discussions with Joint Power Authority to develop operations plan proposal.	NA	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 and executed BON.	NA	mid- <b>2023</b>	A draft term sheet describing proposed operations <b>was developed in 2021</b> . Upon completion of the EIS/EIR, a WAPA Interconnection request <b>will begin in late 2022 or 2023</b> as the project's operations plan and electrical requirements are further refined.	NA
	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.	NA	8/22/2019	Complete	8/22/2019
	Lt-Gen corrections for power benefits due/to-be-completed.	NA	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	On Hold

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(II).1.d. - Work with preference power customers and WAPA as appropriate on other feasibility studies.				restrictions in the Plexos model. <b>The Shasta Raise currently lacks support to move forward and is on hold until more interest or support is garnered.</b>	
	Contract to be awarded to provide additional PLEXOS runs to improve hydropower benefits analysis.	NA	11/1/2020	Contract awarded. Complete.	8/19/2019
	Complete revised benefits analysis.	NA	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. <b>Because of the status of the Shasta Dam Raise, no further progress has been initiated on the Revised Benefits Analysis for it. The Shasta Raise currently lacks support to move forward and is on hold until more interest or support is garnered.</b>	On Hold
	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
(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.	Power marketing agencies. Determine if additional outreach is required before feasibility is determined and add to appropriate directives and standards (if not already included).	NA	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
	Reclamation's Planning Office (MP-700) will begin coordination and development of detailed operations	As needed basis	Ongoing	Work will occur if/when feasibility is determined for any proposed project.	Ongoing

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(II). 1.e. - Develop a Standard Operating Procedure (SOP) to document methodology and procedures for construction cost recovery.	plan if and when feasibility is appropriately determined and Congressional authorization is provided for a project.				
	Meet with CVP Financial Affairs Committee (FAC) to determine items for SOP.	NA	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
	Develop draft SOP within 60 days of meeting with FAC.	NA	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.	NA	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.	NA	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: <a href="https://www.usbr.gov/recman/temporary_releases/pectrmr-122.pdf">https://www.usbr.gov/recman/temporary_releases/pectrmr-122.pdf</a>	8/28/2019
(II).1.g. - Share the SOP documenting the methodology for treatment of non-permanent revenue.	Share draft SOP with customers at customer CCC meeting.	NA	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

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(II).1.h. - Work with WAPA to maintain 10-year forecast of capital improvements. Review with customers at Technical Committee Meetings.	Discuss two finalized SOPs with power customers at CCC meeting.	NA	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.	NA	11/1/2020	Reclamation can review Guidelines annually as needed.	Ongoing
	Complete 10-year forecast of capital improvements for CVP power infrastructure.	NA	8/6/2019	Complete and ongoing revisions tied to each MMPPC meeting.	8/6/2019
	Reclamation provided a presentation and an opportunity to review the 10-year forecast with CVP customers at Technical Committee Meetings.	Technical Committee memo	8/6/2019	This was provided at the MMPPC and Technical Committee Meeting and finalized August 2019. - Complete and ongoing.	8/6/2019
(II).1.i. - Work with WAPA, power customers, and stakeholders to develop a variance percentage threshold between budgeted and actual expenditures.	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). <b>The MMPPC has further discussed the 10-year forecast and asked Reclamation's Finance division to explore a means of identifying multipurpose projects that funnel into the PRR.</b>	<b>Ongoing</b>
	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	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-	4/15/2021



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(II).1.j. - Implement benchmarking of CVP hydropower data and share annually.	transparency of multipurpose O&M and construction costs.			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 of April.	
	Document and share variance percentage commitment with power customers.	NA	6/1/2020	This information will be shared at the CCC meeting immediately following finalization.	4/15/2021
	Prepare preliminary report outlining results of cost and operational data for CVP generators.		10/31/2019	<b>Reclamation performs benchmarking annually with EUCG. Suggested metrics for the data can be requested by power customers and shared via email. CVO Office develops annual reports for each FY with Benchmarking data. Previous years data are available upon request.</b>	Ongoing
	Share results with Reclamation management and power customers.		10/31/2019	Results are shared at customer TC meetings following completion. This is an annual requirement and will continue each year after benchmarking results are finalized.	Ongoing
	Prepare and share report with Reclamation management and power customers annually.	Annually	10/31/2019	Results will be shared at TC meetings annually.	Ongoing
<b>(III).1.a. - Use best available science with plant bypass operations.</b>	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. <b>Reclamation has drafted a Bypass Initiative Framework document (Nov 2021) and will share with power customers when complete.</b>	Ongoing
	Coordinate with American River and Sacramento River groups to ensure use of best available science with plant bypass operations.	NA	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	Ongoing

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				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. <b>Reclamation has drafted a Bypass Initiative Framework document (Nov 2021) and will share with power customers when complete.</b>	
(III).1.b. - Coordinate with WAPA fisheries biologist in adaptive management committees.	Invite WAPA biologist to tour the Central Valley Office control center and provide an overview of CVO operations.	NA	4/26/2019	Complete	4/26/2019
	(American River Group and Sacramento River Temperature Task Group) to help ensure requests for power bypass operations are supported by best available science.	NA	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.	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. <b>No current change to status as of 4/18/2022.</b>	Ongoing
(III).1.d. - Provide updates on flood control operations.	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
(III).1.e. - CVP Hydropower Outage Scheduling - Framework at Maintenance and Major Project Planning Committee (MMPPC)	Inform customers about the concepts adopted in the CVP Hydropower Outage Scheduling framework document by posting to Reclamation's website.	NA	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	NA	9/5/2019	This action will occur when the next MMPPC is scheduled.	4/13/2020

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(III).1.f. - Coordinate O&M, outages at MMPPC	schedule and receive input from power customers.				
	Include an ongoing agenda item for the MMPPC meeting to discuss and coordinate items related to O&M and planned and ongoing outages.	NA	Ongoing	Reclamation added this item to its agenda and will continue to discuss and coordinate at MMPPC meetings.	Ongoing
(III).2.a. - Review and revise Hydropower Program Policy (FAC P04).	Develop a scheduling guide that Reclamation Area Offices will utilize to help schedule outages.	NA	4/1/2020	Reclamation developed a guide and cost calculator. These are regularly used and discussed at MMPPC meetings.	4/2/2020
	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.	NA	7/3/2019	Complete.	7/3/2019
	Brief DC leadership on Policy overview briefing.	NA	9/20/2019	Complete.	9/20/2019
	Publish revised Hydropower Program Policy.	NA	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.	Develop specific benchmarks to measure cost savings by using new procurement tools.	NA	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.
<b>IV. Implementation - Value of Resource</b>					
(IV).1.a. - Continued support for WAPA - Energy imbalance market (EIM)	Continue to meet with customers to evaluate benefit and costs for implementation.	NA	4/2019 - Ongoing	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	3/25/2021

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				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.	
	Continue coordination meetings with Reclamation, WAPA and BANC.	NA	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.	NA	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.	Meet with SLDMWA, San Joaquin River Water Authority, and San Joaquin River Exchange Contractors to discuss option on improving O'Neil Operations.	NA	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.	NA	6/12/2019	Economics shared - Complete.	6/12/2019
	Test the new process to transmit O'Neill and Tracy PUP schedules to the SLDMWA.	NA	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
(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.	NA	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'	May 2020

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(IV).2. - Track schedule for California zero carbon and carbon neutral rulemaking process.				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.	
	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
	Reclamation's Power Resources Office will track the schedule for the California zero carbon and carbon neutral energy rulemaking process.	NA	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 Low Impact Hydro (LIH) Certification to further improve chances of some RECs for CVP Power. <b>A LIH application was submitted in Summer 2021. Following the comment review period, Reclamation and the HPOC agreed to place the application on a minimum one-year hiatus.</b>	On hold
<b>V. Implementation - Improved Customer Service</b>					
(V).1.a. - Adopt framework for large-scale delta conveyance facility.	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	<b>On hold</b>

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				<p>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.</p>	
(V).1.b. - Develop Mid-Pacific webpage on Reclamation's website to host initiative updates.	Develop webpage that contains the (a) coordinated action plan, (b) biannual updates, (c ) accomplishments, and (d) reference materials for the CVP Power Initiative.	NA	6/24/2019	The webpage and all associated information can be found here: <a href="https://www.usbr.gov/mp/hydro.html">https://www.usbr.gov/mp/hydro.html</a> - Complete.	6/24/2019