



Topic: Authority Board Agenda Item 6-3

2019 October 21

Subject: 2019 Work Plan Revision

Requested Action:

Consider approval of the revised Phase 2 (2019) Work Plan supporting a revised completion date from December 31, 2019 to March 31, 2020 as presented in Attachment A.

Alternatively, consider approval of either a six-month delay work plan presented in Attachment B supporting a revised completion date for Phase 2 (2019) from December 31, 2019 to June 30, 2020 or consider approval of an intermediate work plan with a completion between March 31, 2020 (Attachment A) and June 30, 2020 (Attachment B).

NOTE: Approval of the amendment to extend the completion of the Phase 2 (2019) Reservoir Project Agreement, which needs to include an approved Exhibit B, will be considered in Agenda Item 6-4.

Detailed Description/Background:

The previously approved Phase 2 (2019) Work Plan assumed a completion of Phase 2 (2019) on December 31, 2019. The Reservoir Committee approved an extension of the Phase 2 (2019) Reservoir Project Agreement by three months at no additional cost to participants with a revised completion date of March 31, 2019. Staff has prepared a work plan and revised Exhibit B to the Phase 2 (2019) Participation Agreement in Attachment A with the following general assumptions:

1. **New funding:** Re-allocate existing participant and planned (CWC) funding to cover deliverables and activities up to March 31, 2020.
2. **Limit expenditures to critical items:** Reallocate budget to only those items associated with key deliverables. The key deliverables are intended to provide the critical information needed to make an informed Phase 2 funding decision and are explained in Attachment C.
3. **Schedule Requirements:** The WSIP and WIIN related milestones, while remaining important, are not the focus of this planning effort.
4. **Preferred Project Description:** the effort from October 2019 through March 2020 shall be the refinement of the preferred project. The criteria for the preferred project will include:
 - a. ***Operable*** – as measured by the participants in the Reservoir Project committee based on the storage and delivery reports and progress on the Principles of Agreement with Reclamation and DWR

- b. **Permittable** – as measured by discussions with permitting agencies including CDFW, NMFWS, USFWS and USACE.
- c. **Affordable** – as measured by the participants in the Reservoir Project committee based on the Affordability Analysis.
- d. **Feasible** – as identified and addressed in the value planning activity and defined by the Authority Feasibility Criteria. This also includes the refinement of operational criteria and the further development of the Principles of an Agreement with Reclamation and DWR.

Staff has prepared an alternative work plan for consideration providing a six-month delay in the start of the next phase of work. Attachment B was developed using the same assumption listed above apart from revising the Phase 2 (2019) completion date to June 30, 2020. A schedule of key milestones for both work plans can be found in Attachment C. A hybrid of the two work plans can be implemented, changing the assumed completion for Phase 2 (2019) to a date between March 31, 2020 and June 30, 2020.

The Budget and Finance Work Group has performed a detailed review of the revised Phase 2 (2019) Work Plan including a review of the assumed deliverables and associated expenses and assigned resources for both a three month “90 day” and a six month “180 day” extension of the Participation Agreement. The amendment of the Phase 2 (2019) Reservoir Project Agreement completion date will be considered in Agenda Item 5-2. The work plan adopted under this Agenda Item (4-3) will become the approved Exhibit B and will define the revised completion date for the Agreement.

Prior Authority Board Action:

September 20, 2019: The Reservoir Committee approved the extension of the Phase 2 (2019) Participation Agreement by three months at no additional cost to Participants and directed staff to develop a work plan to accommodate this extension.

June 20, 2019: The Reservoir Committee approved their portion of the reduced, revised work plan and Exhibit B for inclusion in the Phase 2 (2019) Participation Agreement.

May 20, 2019: The Reservoir Committee considered approval of a reduced work plan based on revised revenue assumptions for Phase 2 (2019) and deferred approval of the revised plan back to the Budget and Finance Work Group for further evaluation.

November 16, 2018: The Reservoir Committee approved their portion of the work plan and Exhibit B for inclusion in the Participation Agreement.

November 19, 2018: The Authority Board approved the Final Work Plan and Budget.

July 16, 2018: The Authority Board approved the “Workplan and Monthly Cashflow Analysis for Phase 2 for the Sites Reservoir Project” with its release solely for the following uses:

1. Development of the Phase 2 Finance Plan.
2. Developing an Exhibit to include in the Phase 2 Reservoir Project Agreement.
3. Developing an Exhibit to include in the Phase 2 Procurement Request for Qualifications.
4. Developing the FY2019 Budget.

Fiscal Impact/Funding Source:

This change does not require any additional revenue. It is deemed to be revenue-neutral relative to the currently approved budget. Expenses were reduced to ensure consistent positive cash flow throughout the term of the participation agreement.

Staff Contact:

Joe Trapasso

Attachments:

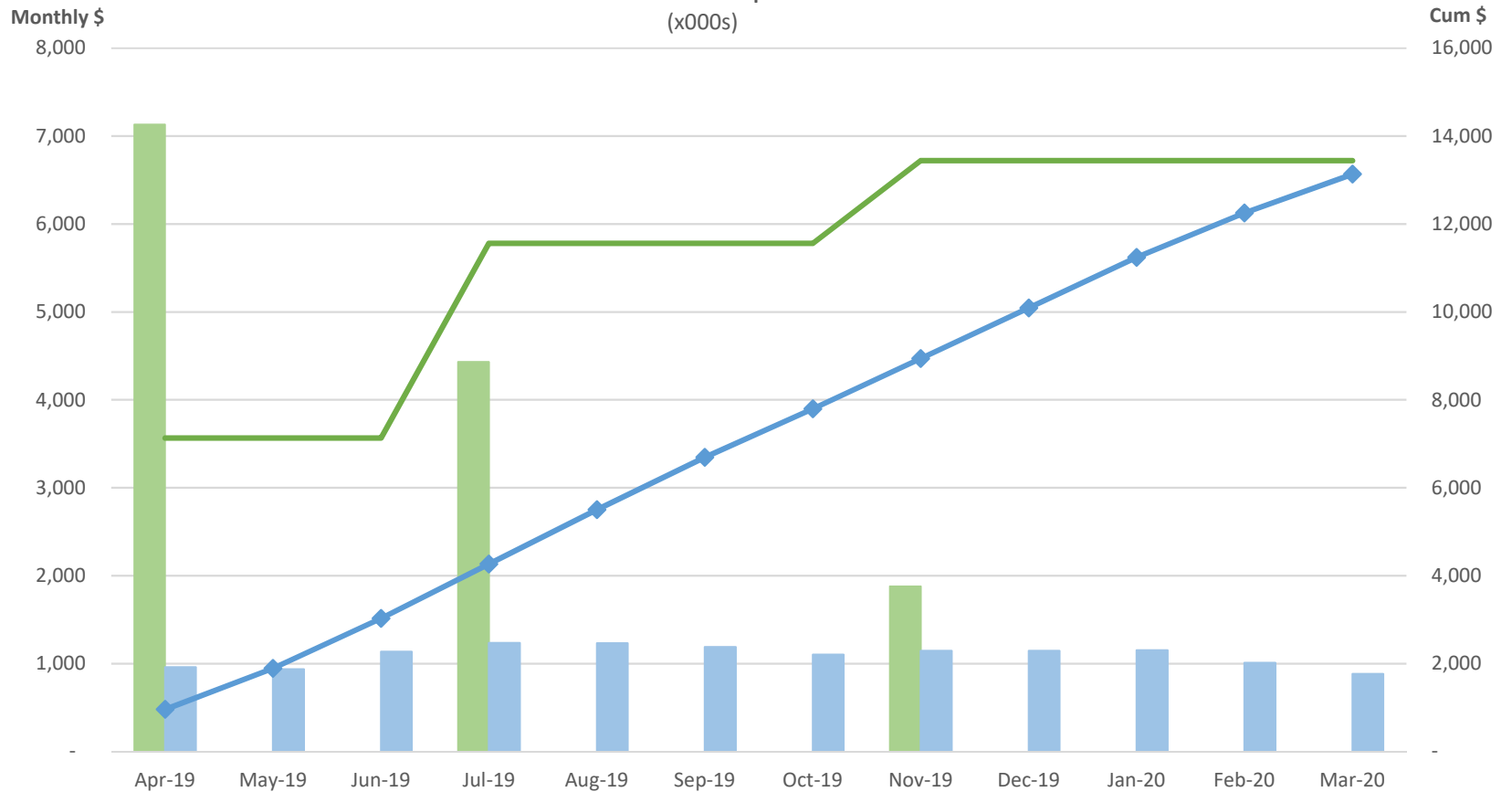
Attachment A – Revised Phase 2 (2019) Reservoir Project Agreement, Exhibit B and supporting materials (90 Day Delay).

Attachment B – Revised Phase 2 (2019) Reservoir Project Agreement, Exhibit B and supporting materials (180 Day Delay).

Attachment C – Revised Phase 2 (2019) Deliverables Description and Milestone Schedule.

Exhibit B			
2019 Work Group Categories for 90-day delay			
Expense (-) or Revenue (+)	Cost Center	Task	Sum of Total 2019
Expense	C.R. Policy		\$ (1,472,023)
	Engagement		\$ (96,000)
	Operations	Contingency	
	D	Env Interests	\$ (74,039)
	D	Exchange	\$ (68,034)
	D	Modeling	\$ (571,751)
	D	Op POA	\$ (136,487)
	D	Staff+	\$ -
	D	Storage	\$ (319,686)
	D	Water Rights	\$ (194,729)
	D	Water Rights+	\$ (173,931)
	Operations Total		\$ (3,106,680)
	Power	Grid Interconn+	\$ -
	H	H2oPower+	\$ -
	H	Staff Aug+	\$ -
	H	Staff+	\$ -
	Power Total		\$ -
	Res. Comm. OH	Advisory	\$ -
		Office	\$ (5,340)
		Participation	\$ (184,116)
	H	PROCURE	\$ -
	H	PROCURE-2	\$ -
		Rebalance	\$ (122,689)
		Staff	\$ (1,811,301)
		Staff Aug	\$ (4,453,450)
		Staff Aug+	\$ -
		Support	\$ (66,857)
		Legal	\$ (134,653)
		Technology	\$ (10,000)
		USDA-1	\$ -
		WSIP-1	\$ -
	Res. Comm. OH Total		\$ (6,788,407)
	Water	Dam Design	\$ -
		Economics+	\$ -
	E	EIR-EIS	\$ (1,436,418)
		Field Studies	\$ (743,148)
		Field Surveys	\$ -
	F	Permit Coord	\$ (2,456,528)
	G	Rights of Entry	\$ (73,558)
	Water Total		\$ (4,709,652)
Expense Total			\$ (14,604,739)
Revenue	C.R. Policy		\$ 1,472,023
	Res. Comm.		\$ 11,560,000
	WIIN		\$ -
	WSIP		\$ 1,880,000
Revenue Total			\$ 14,912,023
Grand Total			\$ 307,284

Cash Flow - 90 Day Delay Revenue vs Expenses (x000s)



	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20
Revenue	7,130	-	-	4,430	-	-	-	1,880	-	-	-	-
Expenses	960	936	1,137	1,234	1,234	1,191	1,105	1,146	1,145	1,152	1,009	883
Cum Revenue	7,130	7,130	7,130	11,560	11,560	11,560	11,560	13,440	13,440	13,440	13,440	13,440
Cum Expenses	960	1,896	3,033	4,268	5,501	6,692	7,797	8,943	10,088	11,240	12,250	13,133

■ Revenue
 ■ Expenses
 — Cum Revenue
 —◆ Cum Expenses

90 Day Delay Deliverables with Service Areas

Deliverable	Oct19-Mar20 To Complete
XA1-Affordability Analysis	\$350,843
AECOM	\$14,487
HDR	\$58,134
Brown and Caldwell	\$71,657
Katz & Associates	\$7,565
CH2M Hill Engineers	\$129,000
MDA	\$70,000
XA2-Operations Modeling TM	\$30,977
HDR	\$11,627
CH2M Hill Engineers	\$19,350
XA3-Engineering TM	\$28,083
AECOM	\$4,829
HDR	\$23,254
XA4-Financial Modeling TM	\$41,314
Brown and Caldwell	\$11,314
MDA	\$30,000
XA5-Phase 2 Plan of Finance	\$60,171
Brown and Caldwell	\$30,171
MDA	\$30,000
XA6-Use of Facilities Analysis	\$65,797
AECOM	\$4,829
HDR	\$23,254
Brown and Caldwell	\$37,714
XB1-CWC Invoicing	\$107,734
HDR	\$23,254
Brown and Caldwell	\$84,480
XB2-Monthly Board/Res Comm Support	\$116,343
HDR	\$34,880
Brown and Caldwell	\$81,463
XB3-Accounts Payable and Accounts Receivable	\$121,429
XB4-Contract Management	\$82,971
Brown and Caldwell	\$82,971
XB6-USBR Financial Assistance Agreement	\$51,162
HDR	\$23,254
Brown and Caldwell	\$27,909
XB8-Temporary Rights of Entry	\$37,560
HDR	\$5,813
Bender Rosenthal, Inc.	\$31,747
XB9-Communications and Outreach	\$48,886
HDR	\$5,813
Katz & Associates	\$40,742
Bender Rosenthal, Inc.	\$2,331

90 Day Delay Deliverables with Service Areas

Deliverable	Oct19-Mar20 To Complete
XE1-Permitability Briefing	\$140,434
HDR	\$116,268
Katz & Associates	\$7,342
CH2M Hill Engineers	\$12,900
ICF Jones and Stokes - F	\$3,924
XE2-CDFW Outcomes Document	\$173,089
HDR	\$34,880
Katz & Associates	\$4,672
CH2M Hill Engineers	\$96,750
ICF Jones and Stokes - F	\$36,786
XE3-Admin Draft EIR/EIS Responses to Comments	\$439,979
HDR	\$34,880
CH2M Hill Engineers	\$64,500
ICF Jones and Stokes - E	\$340,599
XE4-Preferred Project Description (b) Environmental and Permitting	\$473,955
HDR	\$93,014
CH2M Hill Engineers	\$122,550
ICF Jones and Stokes - E	\$19,600
ICF Jones and Stokes - F	\$122,619
Perkins Coie	\$44,172
Ferguson Group	\$48,000
Dunn	\$24,000
XE5 - Prepare Admin Final EIR/EIS Chapter Summaries*	\$155,926
ICF Jones and Stokes - E	\$155,926
XE5-Prelim Draft Biological Assessment	\$724,253
HDR	\$58,134
CH2M Hill Engineers	\$64,500
ICF Jones and Stokes - F	\$601,619
XE6-Draft 2081 Application	\$478,678
HDR	\$58,134
CH2M Hill Engineers	\$32,250
ICF Jones and Stokes - F	\$388,294
XE7-Water Rights Draft Application, WAA	\$189,505
HDR	\$34,880
CH2M Hill Engineers	\$6,450
Jerry Johns	\$49,175
MBK	\$99,000
XF1-Feasibility Framework	\$39,709
AECOM	\$4,829
HDR	\$34,880
XF2b - Sites Feasibility Study (Financial and Technical Feasibility)*	\$140,816
AECOM	\$140,816

90 Day Delay Deliverables with Service Areas

Deliverable	Oct19-Mar20 To Complete
XF2-Sites Feasibility Study	\$208,095
AECOM	\$68,573
HDR	\$139,522
XF3-NODOS Feasibility Report Support	\$456,287
HDR	\$116,268
ICF Jones and Stokes - F	\$218,458
Fugro	\$121,561
XP1-Preferred Project Description (a) Engineering and Technical	\$325,636
AECOM	\$37,667
HDR	\$116,268
Brown and Caldwell	\$50,537
Fugro	\$121,164
XP2-Value Planning	\$95,279
AECOM	\$34,769
HDR	\$23,254
Katz & Associates	\$5,006
CH2M Hill Engineers	\$32,250
XP3-Sites/DWR/USBR Draft Operations Plan	\$111,007
HDR	\$46,507
CH2M Hill Engineers	\$64,500
XW1-Revised Work Plan Phase 2a	\$38,781
HDR	\$11,627
Brown and Caldwell	\$27,154
XW2-Work Plan Phase 2b	\$114,080
HDR	\$34,880
Brown and Caldwell	\$79,200
XW4-Phase 2b Participation Agreement	\$4,672
Katz & Associates	\$4,672
z-Overhead	\$907,155
Young Woolridge	\$73,653
Authority Agents	\$828,162
Vendors	\$5,340
XW4-Phase 2 Participation Agreement	\$80,000
MDA	\$30,000
Stradling	\$50,000
Grand Total	\$6,440,609

90 Day Delay Service Areas with Deliverables

Service Area/Deliverable	Oct19-Mar20 To Complete
AECOM	\$310,800
XA1-Affordability Analysis	\$14,487
XA3-Engineering TM	\$4,829
XA6-Use of Facilities Analysis	\$4,829
XF1-Feasibility Framework	\$4,829
XF2b - Sites Feasibility Study (Financial and Technical Feasibility)*	\$140,816
XF2-Sites Feasibility Study	\$68,573
XP1-Preferred Project Description (a) Engineering and Technical	\$37,667
XP2-Value Planning	\$34,769
HDR	\$1,162,680
XA1-Affordability Analysis	\$58,134
XA2-Operations Modeling TM	\$11,627
XA3-Engineering TM	\$23,254
XA6-Use of Facilities Analysis	\$23,254
XB1-CWC Invoicing	\$23,254
XB2-Monthly Board/Res Comm Support	\$34,880
XB6-USBR Financial Assistance Agreement	\$23,254
XB8-Temporary Rights of Entry	\$5,813
XB9-Communications and Outreach	\$5,813
XE1-Permitability Briefing	\$116,268
XE2-CDFW Outcomes Document	\$34,880
XE3-Admin Draft EIR/EIS Responses to Comments	\$34,880
XE4-Preferred Project Description (b) Environmental and Permitting	\$93,014
XE5-Prelim Draft Biological Assessment	\$58,134
XE6-Draft 2081 Application	\$58,134
XE7-Water Rights Draft Application, WAA	\$34,880
XF1-Feasibility Framework	\$34,880
XF2-Sites Feasibility Study	\$139,522
XF3-NODOS Feasibility Report Support	\$116,268
XP1-Preferred Project Description (a) Engineering and Technical	\$116,268
XP2-Value Planning	\$23,254
XP3-Sites/DWR/USBR Draft Operations Plan	\$46,507
XW1-Revised Work Plan Phase 2a	\$11,627
XW2-Work Plan Phase 2b	\$34,880
Brown and Caldwell	\$660,000
XA1-Affordability Analysis	\$71,657
XA4-Financial Modeling TM	\$11,314
XA5-Phase 2 Plan of Finance	\$30,171
XA6-Use of Facilities Analysis	\$37,714
XB1-CWC Invoicing	\$84,480
XB2-Monthly Board/Res Comm Support	\$81,463
XB3-Accounts Payable and Accounts Receivable	\$75,429

90 Day Delay Service Areas with Deliverables

Service Area/Deliverable	Oct19-Mar20 To Complete
XB4-Contract Management	\$82,971
XB6-USBR Financial Assistance Agreement	\$27,909
XP1-Preferred Project Description (a) Engineering and Technical	\$50,537
XW1-Revised Work Plan Phase 2a	\$27,154
XW2-Work Plan Phase 2b	\$79,200
Katz & Associates	\$70,000
XA1-Affordability Analysis	\$7,565
XB9-Communications and Outreach	\$40,742
XE1-Permitability Briefing	\$7,342
XE2-CDFW Outcomes Document	\$4,672
XP2-Value Planning	\$5,006
XW4-Phase 2b Participation Agreement	\$4,672
CH2M Hill Engineers	\$645,000
XA1-Affordability Analysis	\$129,000
XA2-Operations Modeling TM	\$19,350
XE1-Permitability Briefing	\$12,900
XE2-CDFW Outcomes Document	\$96,750
XE3-Admin Draft EIR/EIS Responses to Comments	\$64,500
XE4-Preferred Project Description (b) Environmental and Permitting	\$122,550
XE5-Prelim Draft Biological Assessment	\$64,500
XE6-Draft 2081 Application	\$32,250
XE7-Water Rights Draft Application, WAA	\$6,450
XP2-Value Planning	\$32,250
XP3-Sites/DWR/USBR Draft Operations Plan	\$64,500
ICF Jones and Stokes - E	\$516,124
XE3-Admin Draft EIR/EIS Responses to Comments	\$340,599
XE4-Preferred Project Description (b) Environmental and Permitting	\$19,600
XE5 - Prepare Admin Final EIR/EIS Chapter Summaries*	\$155,926
ICF Jones and Stokes - F	\$1,371,700
XE1-Permitability Briefing	\$3,924
XE2-CDFW Outcomes Document	\$36,786
XE4-Preferred Project Description (b) Environmental and Permitting	\$122,619
XE5-Prelim Draft Biological Assessment	\$601,619
XE6-Draft 2081 Application	\$388,294
XF3-NODOS Feasibility Report Support	\$218,458
Bender Rosenthal, Inc.	\$34,078
XB8-Temporary Rights of Entry	\$31,747
XB9-Communications and Outreach	\$2,331
Fugro	\$242,725
XF3-NODOS Feasibility Report Support	\$121,561
XP1-Preferred Project Description (a) Engineering and Technical	\$121,164
Jerry Johns	\$49,175

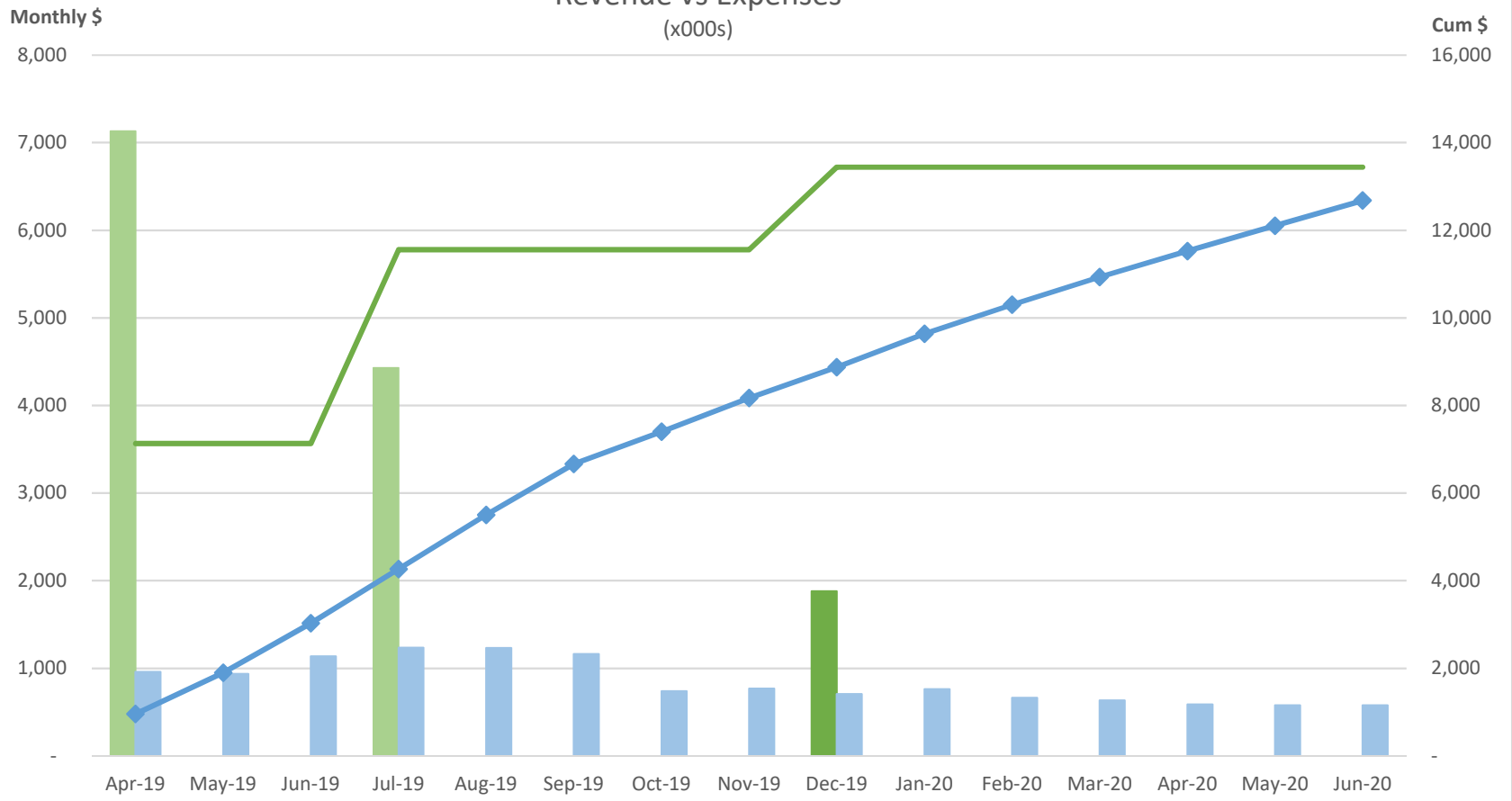
90 Day Delay Service Areas with Deliverables

Service Area/Deliverable	Oct19-Mar20 To Complete
XE7-Water Rights Draft Application, WAA	\$49,175
MBK	\$99,000
XE7-Water Rights Draft Application, WAA	\$99,000
MDA	\$160,000
XA1-Affordability Analysis	\$70,000
XA4-Financial Modeling TM	\$30,000
XA5-Phase 2 Plan of Finance	\$30,000
XW4-Phase 2 Participation Agreement	\$30,000
Perkins Coie	\$44,172
XE4-Preferred Project Description (b) Environmental and Permitting	\$44,172
Young Woolridge	\$73,653
z-Overhead	\$73,653
Authority Agents	\$828,162
z-Overhead	\$828,162
Vendors	\$5,340
z-Overhead	\$5,340
Ferguson Group	\$48,000
XE4-Preferred Project Description (b) Environmental and Permitting	\$48,000
Dunn	\$24,000
XE4-Preferred Project Description (b) Environmental and Permitting	\$24,000
Stradling	\$50,000
XW4-Phase 2 Participation Agreement	\$50,000
K-Coe Isom LLP	\$46,000
XB3-Accounts Payable and Accounts Receivable	\$46,000
Grand Total	\$6,440,609

Exhibit B

2019 Work Group Categories			
Expense (-) or Revenue (+)	Cost Center	Task	Sum of Total 2019
Expense	C.R. Policy		\$ (1,472,023)
	Engagement		\$ (132,000)
	Operations	Contingency	
	D	Env Interests	\$ (83,422)
	D	Exchange	\$ (76,656)
	D	Modeling	\$ (644,211)
	D	Op POA	\$ (153,784)
	D	Staff+	\$ -
	D	Storage	\$ (360,201)
	D	Water Rights	\$ (219,408)
	D	Water Rights+	\$ (195,974)
	Operations Total		\$ (3,337,680)
	Power	Grid Interconn+	\$ -
	H	H2oPower+	\$ -
	H	Staff Aug+	\$ -
	H	Staff+	\$ -
	Power Total		\$ -
	Res. Comm. OH	Advisory	\$ -
		Office	\$ (8,010)
		Participation	\$ (184,116)
	H	PROCURE	\$ -
	H	PROCURE-2	\$ -
		Rebalance	\$ (122,689)
		Staff	\$ (2,312,184)
		Staff Aug	\$ (4,663,770)
		Staff Aug+	\$ -
		Support	\$ (66,857)
		Legal	\$ (134,653)
		Technology	\$ (13,000)
		USDA-1	\$ -
		WSIP-1	\$ -
	Res. Comm. OH Total		\$ (7,505,280)
	Water	Dam Design	\$ -
		Economics+	\$ -
	E	EIR-EIS	\$ (930,294)
		Field Studies	\$ (743,148)
		Field Surveys	\$ -
	F	Permit Coord	\$ (1,560,628)
	G	Rights of Entry	\$ (73,558)
	Water Total		\$ (3,307,628)
Expense Total			\$ (14,150,588)
Revenue	C.R. Policy		\$ 1,472,023
	Res. Comm.		\$ 11,560,000
	WIIN		\$ -
	WSIP		\$ 1,880,000
Revenue Total			\$ 14,912,023
Grand Total			\$ 761,435

Cash Flow - 180 Day Delay Revenue vs Expenses (x000s)



	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20
Revenue	7,130	-	-	4,430	-	-	-	-	1,880	-	-	-	-	-	-
Expenses	960	936	1,137	1,234	1,234	1,162	738	768	706	762	664	633	588	579	578
Cum Revenue	7,130	7,130	7,130	11,560	11,560	11,560	11,560	11,560	13,440	13,440	13,440	13,440	13,440	13,440	13,440
Cum Expenses	960	1,896	3,033	4,268	5,501	6,663	7,401	8,169	8,874	9,636	10,300	10,933	11,522	12,100	12,679

■ Revenue
 ■ Expenses
 — Cum Revenue
 —◆ Cum Expenses

180 Day Delay Deliverables with Service Areas

Deliverable/Service Area	Oct19-Jun20 To Complete
XA1-Affordability Analysis	\$514,298
AECOM	\$20,000
Brown and Caldwell	\$108,889
CH2M Hill Engineers	\$227,027
HDR	\$88,382
MDA	\$70,000
XA2-Operations Modeling TM	\$34,054
CH2M Hill Engineers	\$34,054
HDR	\$0
XA3-Engineering TM	\$40,000
AECOM	\$40,000
HDR	\$0
XA4-Financial Modeling TM	\$84,444
Brown and Caldwell	\$54,444
MDA	\$30,000
Brown and Caldwell	\$54,444
MDA	\$30,000
XA6-Use of Facilities Analysis	\$54,444
AECOM	\$0
Brown and Caldwell	\$54,444
HDR	\$0
XB1-CWC Invoicing	\$198,686
Brown and Caldwell	\$163,333
HDR	\$35,353
XB2-Monthly Board/Res Comm Support	\$161,918
Brown and Caldwell	\$108,889
HDR	\$53,029
XB3-Accounts Payable and Accounts Receivable	\$154,889
Brown and Caldwell	\$108,889
K-Coe Isom LLP	\$46,000
XB4-Contract Management	\$108,889
Brown and Caldwell	\$108,889
XB6-USBR Financial Assistance Agreement	\$0
Brown and Caldwell	\$0
HDR	\$0
XB8-Temporary Rights of Entry	\$16,840
Bender Rosenthal, Inc.	\$16,840
HDR	\$0
XB9-Communications and Outreach	\$110,476
Bender Rosenthal, Inc.	\$16,840
HDR	\$0
Katz & Associates	\$93,636

Deliverable/Service Area	Oct19-Jun20 To Complete
XE1-Permitability Briefing	\$244,194
CH2M Hill Engineers	\$22,703
HDR	\$113,600
ICF Jones and Stokes - F	\$107,891
XE2-CDFW Outcomes Document	\$462,090
CH2M Hill Engineers	\$170,270
HDR	\$53,029
ICF Jones and Stokes - E	\$3,125
ICF Jones and Stokes - F	\$226,302
Katz & Associates	\$9,364
XE3-Admin Draft EIR/EIS Responses to Comments	\$63,050
CH2M Hill Engineers	\$0
HDR	\$56,800
ICF Jones and Stokes - E	\$6,250
XE4-Preferred Project Description (b) Environmental and Permitting	\$593,183
CH2M Hill Engineers	\$215,676
Dunn	\$36,000
Ferguson Group	\$72,000
HDR	\$204,481
ICF Jones and Stokes - E	\$625
ICF Jones and Stokes - F	\$20,230
Perkins Coie	\$44,172
XE5-Prelim Draft Biological Assessment	\$115,355
CH2M Hill Engineers	\$0
HDR	\$88,382
ICF Jones and Stokes - F	\$26,973
XE6-Draft 2081 Application	\$38,333
CH2M Hill Engineers	\$0
HDR	\$11,360
ICF Jones and Stokes - F	\$26,973
XE7-Water Rights Draft Application, WAA	\$148,175
CH2M Hill Engineers	\$0
HDR	\$0
Jerry Johns	\$49,175
MBK	\$99,000
XF1-Feasibility Framework	\$76,800
AECOM	\$20,000
HDR	\$56,800
XF2-Sites Feasibility Study	\$273,600
AECOM	\$160,000
HDR	\$113,600
XF3-NODOS Feasibility Report Support	\$340,157
Fugro	\$272,725
HDR	\$0

Deliverable/Service Area	Oct19-Jun20 To Complete
ICF Jones and Stokes - F	\$67,432
XP1-Preferred Project Description (a) Engineering and Technical	\$187,474
AECOM	\$80,000
Brown and Caldwell	\$54,444
Fugro	\$0
HDR	\$53,029
XP2-Value Planning	\$136,757
AECOM	\$80,000
CH2M Hill Engineers	\$56,757
HDR	\$0
Katz & Associates	\$0
XP3-Sites/DWR/USBR Draft Operations Plan	\$113,514
CH2M Hill Engineers	\$113,514
HDR	\$0
XW1-Revised Work Plan Phase 2a	\$89,797
Brown and Caldwell	\$54,444
HDR	\$35,353
XW2-Work Plan Phase 2	\$165,689
Brown and Caldwell	\$108,889
HDR	\$56,800
z-Overhead	\$1,323,906
Authority Agents	\$1,242,243
Vendor	\$8,010
Young Woolridge	\$73,653
XW4-Phase 2 Participation Agreement	\$80,000
MDA	\$30,000
Stradling	\$50,000
Grand Total	\$6,015,458

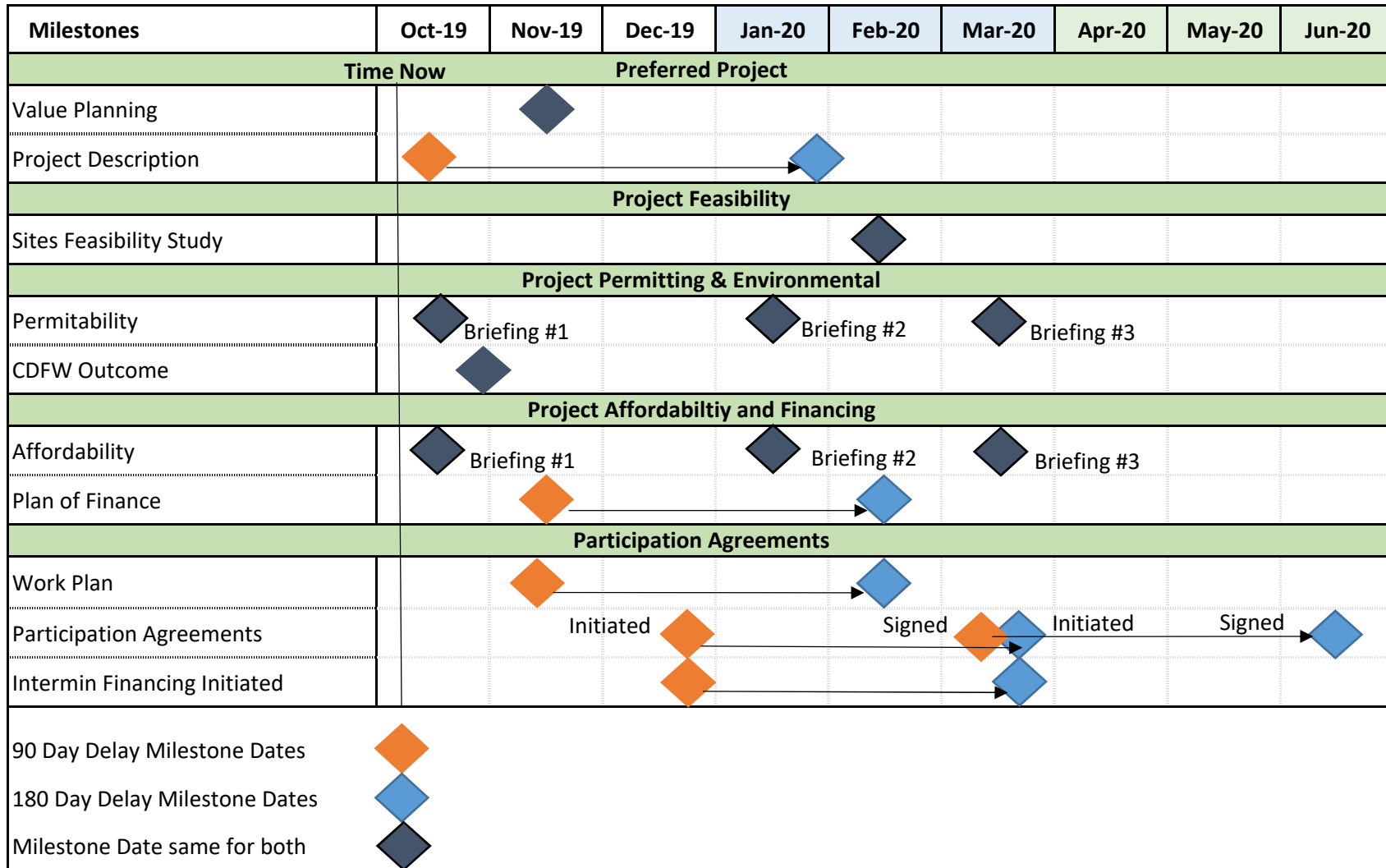
180 Day Delay Deliverables with Service Areas

Service Area/Deliverable	Oct19-Jun20 To Complete
AECOM	\$400,000
XA1-Affordability Analysis	\$20,000
XA3-Engineering TM	\$40,000
XA6-Use of Facilities Analysis	\$0
XF1-Feasibility Framework	\$20,000
XF2-Sites Feasibility Study	\$160,000
XP1-Preferred Project Description (a) Engineering and Technical	\$80,000
XP2-Value Planning	\$80,000
Authority Agents	\$1,242,243
z-Overhead	\$1,242,243
Bender Rosenthal, Inc.	\$33,680
XB8-Temporary Rights of Entry	\$16,840
XB9-Communications and Outreach	\$16,840
Brown and Caldwell	\$980,000
XA1-Affordability Analysis	\$108,889
XA5-Phase 2 Plan of Finance	\$54,444
XA6-Use of Facilities Analysis	\$54,444
XB1-CWC Invoicing	\$163,333
XB2-Monthly Board/Res Comm Support	\$108,889
XB3-Accounts Payable and Accounts Receivable	\$108,889
XB4-Contract Management	\$108,889
XB6-USBR Financial Assistance Agreement	\$0
XP1-Preferred Project Description (a) Engineering and Technical	\$54,444
XW1-Revised Work Plan Phase 2a	\$54,444
XW2-Work Plan Phase 2	\$108,889
CH2M Hill Engineers	\$840,000
XA1-Affordability Analysis	\$227,027
XA2-Operations Modeling TM	\$34,054
XE1-Permitability Briefing	\$22,703
XE2-CDFW Outcomes Document	\$170,270
XE3-Admin Draft EIR/EIS Responses to Comments	\$0
XE4-Preferred Project Description (b) Environmental and Permitting	\$215,676
XE5-Prelim Draft Biological Assessment	\$0
XE6-Draft 2081 Application	\$0
XE7-Water Rights Draft Application, WAA	\$0
XP2-Value Planning	\$56,757
XP3-Sites/DWR/USBR Draft Operations Plan	\$113,514
Dunn	\$36,000
XE4-Preferred Project Description (b) Environmental and Permitting	\$36,000
Ferguson Group	\$72,000
XE4-Preferred Project Description (b) Environmental and Permitting	\$72,000
Fugro	\$272,725

Service Area/Deliverable	Oct19-Jun20 To Complete
XF3-NODOS Feasibility Report Support	\$272,725
XP1-Preferred Project Description (a) Engineering and Technical	\$0
HDR	\$1,020,000
XA1-Affordability Analysis	\$88,382
XA2-Operations Modeling TM	\$0
XA3-Engineering TM	\$0
XA6-Use of Facilities Analysis	\$0
XB1-CWC Invoicing	\$35,353
XB2-Monthly Board/Res Comm Support	\$53,029
XB6-USBR Financial Assistance Agreement	\$0
XB8-Temporary Rights of Entry	\$0
XB9-Communications and Outreach	\$0
XE1-Permitability Briefing	\$113,600
XE2-CDFW Outcomes Document	\$53,029
XE3-Admin Draft EIR/EIS Responses to Comments	\$56,800
XE4-Preferred Project Description (b) Environmental and Permitting	\$204,481
XE5-Prelim Draft Biological Assessment	\$88,382
XE6-Draft 2081 Application	\$11,360
XE7-Water Rights Draft Application, WAA	\$0
XF1-Feasibility Framework	\$56,800
XF2-Sites Feasibility Study	\$113,600
XF3-NODOS Feasibility Report Support	\$0
XP1-Preferred Project Description (a) Engineering and Technical	\$53,029
XP2-Value Planning	\$0
XP3-Sites/DWR/USBR Draft Operations Plan	\$0
XW1-Revised Work Plan Phase 2a	\$35,353
XW2-Work Plan Phase 2	\$56,800
ICF Jones and Stokes - E	\$10,000
XE2-CDFW Outcomes Document	\$3,125
XE3-Admin Draft EIR/EIS Responses to Comments	\$6,250
XE4-Preferred Project Description (b) Environmental and Permitting	\$625
ICF Jones and Stokes - F	\$475,800
XE1-Permitability Briefing	\$107,891
XE2-CDFW Outcomes Document	\$226,302
XE4-Preferred Project Description (b) Environmental and Permitting	\$20,230
XE5-Prelim Draft Biological Assessment	\$26,973
XE6-Draft 2081 Application	\$26,973
XF3-NODOS Feasibility Report Support	\$67,432
Jerry Johns	\$49,175
XE7-Water Rights Draft Application, WAA	\$49,175
Katz & Associates	\$103,000
XB9-Communications and Outreach	\$93,636
XE2-CDFW Outcomes Document	\$9,364
XP2-Value Planning	\$0

Service Area/Deliverable	Oct19-Jun20 To Complete
K-Coe Isom LLP	\$46,000
XB3-Accounts Payable and Accounts Receivable	\$46,000
MBK	\$99,000
XE7-Water Rights Draft Application, WAA	\$99,000
MDA	\$160,000
XA1-Affordability Analysis	\$70,000
XA4-Financial Modeling TM	\$30,000
XA5-Phase 2 Plan of Finance	\$30,000
XW4-Phase 2 Participation Agreement	\$30,000
Perkins Coie	\$44,172
XE4-Preferred Project Description (b) Environmental and Permitting	\$44,172
Stradling	\$50,000
XW4-Phase 2 Participation Agreement	\$50,000
Vendor	\$8,010
z-Overhead	\$8,010
Young Woolridge	\$73,653
z-Overhead	\$73,653
Grand Total	\$6,015,458

Ph 2 90 vs 180 Day Delay Milestones



Revised Phase 2 (2019) Deliverables

Deliverable/Service Area	Deliverable Description	Why Deliverable is Needed
XA1-Affordability Analysis	Evaluation of project cost per acre-foot in several scenarios. Uses engineering cost estimates, operations modeling, and financial modeling.	Provides participants with information related to project costs/affordability as well as cost certainty.
XA2-Operations Modeling TM	The development of an operations modeling technical memorandum describing the process and assumptions used in the operations component of the Affordability Analysis.	Supports the Affordability Analysis.
XA3-Engineering TM	The development of an engineering costs technical memorandum describing the process and assumptions used in the cost component of the Affordability Analysis.	Supports the Affordability Analysis.
XA4-Financial Modeling TM	The development of a financial modeling technical memorandum describing the process and assumptions used in the financing component of the Affordability Analysis.	Supports the Affordability Analysis.
XA5-Phase 2 Plan of Finance	Updates to the Plan of Finance based on changes to the Affordability Analysis and expected participation.	Helps participants understand the costs for which their agency will be responsible.
XA6-Use of Facilities Analysis	Allocates project costs to the beneficiary to develop a beneficiary pays model that may be used for project financing.	Helps participants understand the costs for which their agency will be responsible.
XB1-CWC Invoicing	Continue to invoice the California Water Commission for Proposition 1 early funding.	Allows Sites to receive additional revenue to fund priority work.
XB2-Monthly Board/Res Comm Support	Scheduling, developing content for, and, as necessary, leading Work Group meetings and AB/RC meetings.	Allows the business to continue operating.
XB3-Accounts Payable and Accounts Receivable	Ongoing payment of staff and consultants, renting office space, etc., and management of funding received (from CWC and others)	Allows the business to continue operating.
XB4-Contract Management	Managing existing contracts with consultants and vendors; writing, procuring, and managing new contracts as needed.	Allows the business to continue operating.
XB6-USBR Financial Assistance Agreement	Agreement with USBR to allow flow-through of money from the federal government to Sites.	Allows Sites to receive additional revenue from the WIIN Act and other federal funding sources.
XB8-Temporary Rights of Entry	Minimal support for real estate and rights of entry program.	Allows for rights of entry agreements to be put in place if necessary.
XB9-Communications and Outreach	Staff and communications products in support of the revised work plan and possible inclusion in the Governor's Sustainability Portfolio.	Promotes positive communication surrounding the project at the local and state level.
XE1-Permitability Briefing	Support related to ongoing discussions with CDFW as well as providing the AB/RC regular updates.	Leads to increased permitting certainty.
XE2-CDFW Outcomes Document	Capstone document identifying the outcomes from discussions with CDFW and their effects on the project layout and operations.	Documents updated project definition as it relates to discussions with CDFW.
XE3-Admin Draft EIR/EIS Responses to Comments	Minimal continued support for development of Final EIR/EIS. Focused effort on implication of project changes on environmental documents.	Allows AB/RC to evaluate impacts that project changes may have on environmental documents.
XE4-Preferred Project Description (b) Environmental and Permitting	Development of the environmental and permitting project description based on value planning performed by the AB/RC.	Allows for continued conversations with CDFW and improved permitting certainty.
XE5-Prelim Draft Biological Assessment	Develop the revised aquatic effects based on the updated project description.	Allows for continued conversations with CDFW and improved permitting certainty.
XE6-Draft 2081 Application	Development of a draft 2081 Application based on outcomes of the CDFW discussions.	Progresses what may be a "critical path" permit and improves permitting certainty.
XE7-Water Rights Draft Application, WAA	Starting the development of the water rights application.	Progresses what may be a "critical path" permit.
XF1-Feasibility Framework	Outlines the AB/RC requirements for a Board approved Feasibility Study.	May allow the project to receive construction phase funding earlier than if relying on the USBR feasibility process.
XF2-Sites Feasibility Study	Development of a Feasibility Study that the Board will be able to use to deem the project as feasible. This is separate from the USBR Feasibility Study process.	May allow the project to receive construction phase funding earlier than if relying on the USBR feasibility process.
XF3-NODOS Feasibility Report Support	Field work and monitoring associated with USBR's NODOS Feasibility Report.	Allows USBR to use available funds towards the project and progress their Feasibility Study, which will ultimately allow the project to be deemed feasible via the USBR feasibility process.
XP1-Preferred Project Description (a) Engineering and Technical	Analysis of alternatives provided by the AB/RC on the preferred project description. This deliverable includes evaluation of engineering and technical impacts.	Allows for improved cost certainty.
XP2-Value Planning	Support and analysis related to the Value Planning effort being taken on by the AB/RC.	Allows the preferred project to be defined and possible reduces overall capital costs.
XP3-Sites/DWR/USBR Draft Operations Plan	Work with USBR and DWR to define how Sites will operate within the state's water system.	Improved project certainty and operational sideboards.
XW1-Revised Work Plan Phase 2a	Extend existing budget 90 to 180 days to provide improved permitability and cost certainty. Work with existing consultants to refocus task orders and budgets.	Allows the business to continue operating.
XW2-Work Plan Phase 2	Develop the work plan for the remainder of Phase 2 after near-term priorities are addressed.	Allows the business to continue operating.
z-Overhead	Other costs including Participation Authority's Agents, office expenses, etc.	Allows the business to continue operating.
XW4-Phase 2 Participation Agreement	Revising the Participation Agreement for the remainder of Phase 2 after near-term priorities are addressed.	Allows the business to continue operating.