

Interlake Tunnel Progress Report

December 8, 2020

MCWRA Board of Supervisors



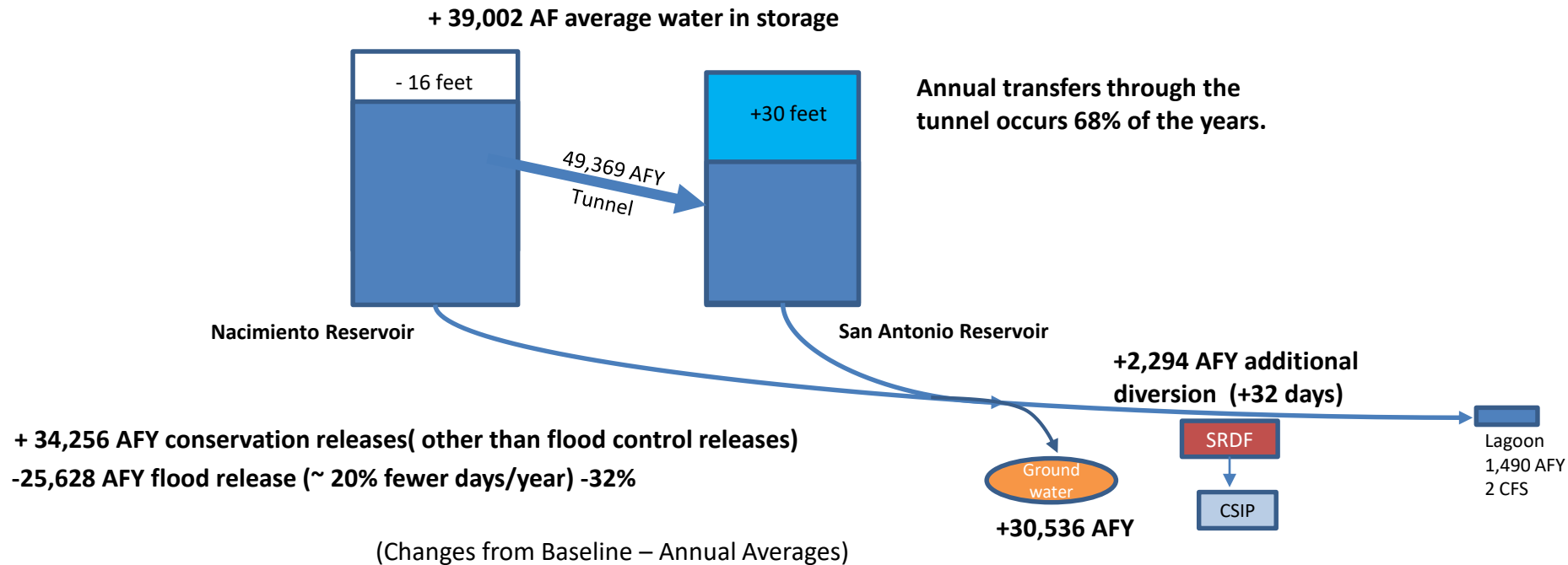


Agenda

1. Modeling status
2. Water rights amendment status
3. Financial status
4. Project schedule and forecast
5. Capital cost estimates
6. Next steps

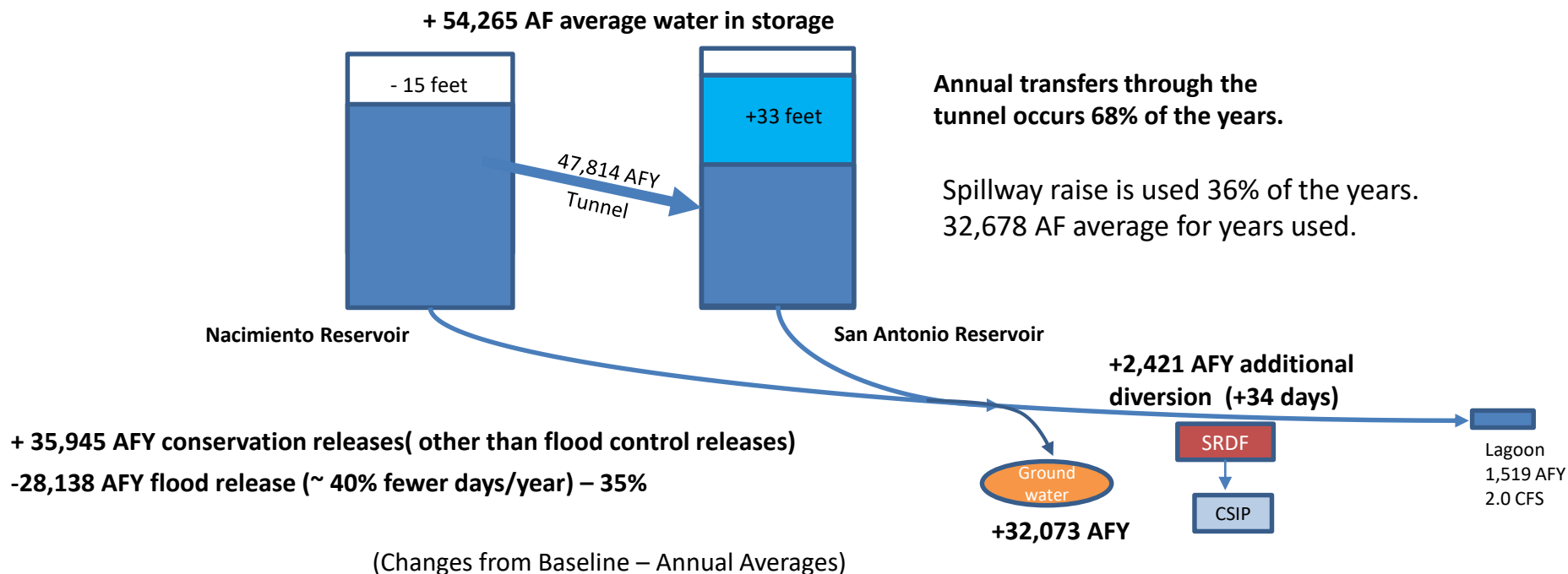
Model results – Tunnel only

- Increases average water storage by 39,002 AF (average)
- Increases conservation releases by 34,256 AFY
- Reduces flood releases by 32%
- Improves performance of SRDF with 32 additional operating days



Model results – Tunnel + 7' Spillway Mod

- Increases average water storage by 54,265 AF (average)
- Increases conservation releases by 35,945 AFY
- Reduces flood releases by 35%
- Improves performance of SRDF with 34 additional operating days



Modeling status

- Completed refinements to Salinas Valley Operational Model (SVOM)
 - SVOM adheres to Agency's water rights
 - Reservoir releases better reflect Agency operations
- Upcoming work
 - Model scenario for pre-SVWP conditions
 - Run updated baseline with revised reservoir release rules
 - Analyze differences between pre-SVWP and ILT project scenarios
 - Support EIR development



Water rights amendment

- Draft change petitions for Nacimiento and San Antonio Rivers preliminarily discussed with State Water Resources Control Board.
- Agency staff working with Board to refine appropriate water rights petition process
- Plan to submit application 1st QTR 2021
- Anticipate 2 or more years for approval



CDFW Grant for fish screens

- Objective: \$17 million State grant funding for fish screen requirements
- Status:
 - Grant agreement drafting
 - Periodic meetings with CDFW
- Forecast
 - Expect draft final Grant agreement by 12/31/20



Project schedule and implementation plan

1. Adjusted schedule to accommodate 2-3 year water rights license petition for MCWRA's Nacimiento license and/or permit.
2. Developed integrated schedule with other projects
3. Continuing with DWR Grant work plan and preparation of deliverables. Requested extending Grant term to January 31, 2023.
4. Resumed EIR development.
5. Targeting “shovel ready” project by Q1 2023.

Current Funding Status

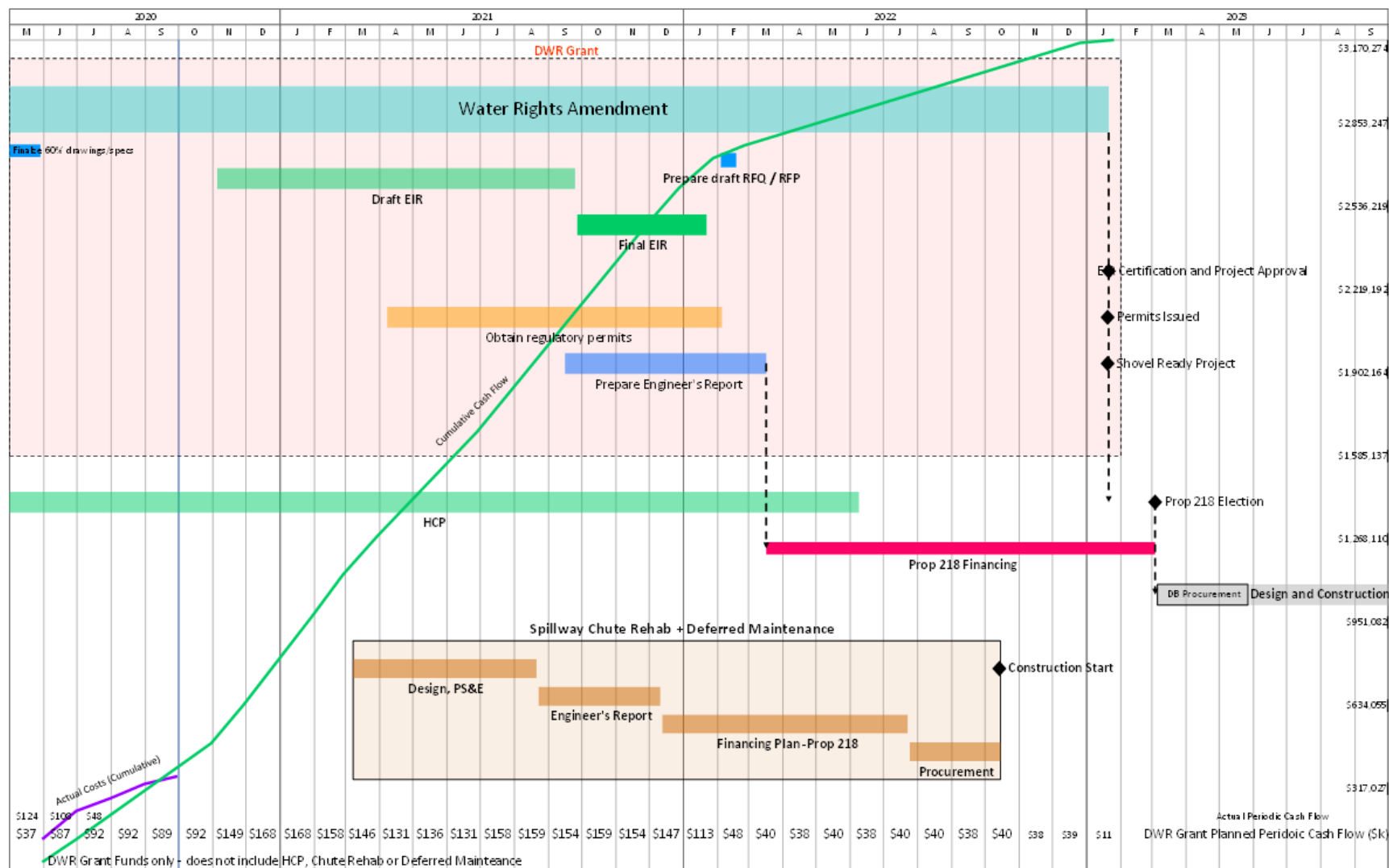
DWR Grant - \$10 million - \$3.1 million remaining

Task	Report summary	Budget (Mod 1)	Actual Costs to Date	Budget remaining	ACTUAL % COMPLETE
1	DWR Grant	\$10,000,000	\$6,829,727.34	\$3,170,272	68%
A	Project Administration	\$3,253,146	\$2,531,397.16	\$721,749	78%
A.2	MCWRA Project Support	\$1,200,401	\$814,192.05	\$386,209	68%
A.3	Program Management	\$2,052,745	\$1,717,203.01	\$335,542	84%
B	Land Purchase Easements	\$124,000	\$0.00	\$124,000	0%
C	Planning / Design / Engineering and En	\$6,622,854	\$4,298,330.18	\$2,324,523	65%
C.1	Hydrologic Modeling	\$674,634	\$875,033.09	-\$200,399	130%
C.2	Environmental and Permitting	\$1,660,380	\$584,309.39	\$1,076,071	35%
C.3	Water Rights	\$550,000	\$14,815.50	\$535,185	3%
C.4	LiDAR Survey	\$132,188	\$132,188.00	\$0	100%
C.5	San Antonio Spillway Design	\$1,117,316	\$641,200.41	\$476,115	57%
C.6	Tunnel Design	\$2,488,336	\$2,050,783.79	\$437,552	82%





Interlake Tunnel Path Forward



Capital Cost Estimates

Capital Cost Estimate

\$000

Category	Description	Tunnel	Spillway Modification and Chute Replacement	Deferred Maintenance	HCP	Total All Projects
	Total	\$173,319	\$70,219	\$109,099	\$5,175	\$357,812
1000	Project Development	\$12,876				\$12,876
2000	Tunnel Construction	\$105,627				\$105,627
2500	Spillway Modification		\$7,485			\$7,485
2600	Spillway chute replacement		\$47,589			\$47,589
2800	Dam Deferred Maintenance			\$85,568		\$85,568
	Nacimiento Dam Repairs			\$76,872		\$76,872
	San Antonio Dam Repairs			\$8,696		\$8,696
2900	Environmental Mitigation HCP				\$4,500	\$4,500
3000	Management & Administration	\$13,203	\$6,884	\$10,696		\$30,784
4000	Capitalized O&M Costs	\$19,984				\$19,984
4500	Capital Equipment Replacement Fund	\$5,784				\$5,784
5000	Contingency	\$15,844	\$8,261	\$12,835	\$675	\$37,615





Next steps

- Complete pre- and post- SVWP modeling
- Confirm consensus of tunnel and spillway raise project benefits
- Modeling to support EIR effort
- Complete CDFW Grant Agreement
- Extend DWR Grant Agreement to 1/31/2023
- Continue environmental clearance work