
USMCA Tijuana River Watershed

Eligible Public Entities Coordinating Group (EPECG)

October 4, 2022
12:00 pm – 1:30 pm Pacific

Agenda

Objectives:

- Provide a summary on comments received during the Draft PEIS Public Comment Period
- Engage EPECG members on the Statement of Intent and Minute and provide an overview of the two documents and project sequencing

12:00 pm **Welcome and Overview**

Update on Near Term Measures

- 12:10 pm**
- BWIP Projects underway to repair infrastructure in Tijuana, MX
 - State of California Projects
 - SABTP Next Steps

12:25 pm **Summary of Public Comments Received During Draft PEIS Public Comment Period**

Overview of Statement of Intent and Minute 328 (incl. Projects)

- 12:35 pm**
- Discuss components of the documents
 - Review short-term projects and costs (e.g., capital, construction, and maintenance costs)
 - Operations and Maintenance of short-term projects
 - Review long-term projects and capital costs
 - Oversight Provisions

12:55 pm **Update on Pre-Design and Schedule (Gilbert Anaya, IBWC)**

1:00 pm **Recommendation for Updating Statutory Authority**

1:05 pm **Q&A's**

1:25 pm **Closing Remarks**



USMCA Tijuana River Watershed

EPECG Meeting

Virtual Meeting: October 4, 2022

Federal, State, and Local Stakeholder Engagement Eligible Public Entities Coordinating Group

- US Army Corps of Engineers
 - North American Development Bank
 - DOS – Consulate General of Tijuana
 - US Customs & Border Protection
 - US Navy
 - US DOI/FWS
 - US International Boundary and Water Commission
 - US Department of Commerce/NOAA
 - State of CA – EPA
 - State of CA – Natural Resources Agency
 - San Diego County
 - San Diego Port Authority
 - San Diego Regional Board
 - City of Chula Vista
 - City of Coronado
 - City of Imperial Beach
 - City of San Diego
- ▶ **Congressional staff also participating**

Welcome & Overview

Martha Guzman
Regional Administrator

Andrew Sawyers
EPECG Co-Chair

Today's Agenda

- Welcome & Overview
- Near-Term Measures
- Recent accomplishments
 - NEPA Progress
 - Binational Agreements
- Next Steps
 - Pre-Design
 - Authorizing Language
- Closing Remarks

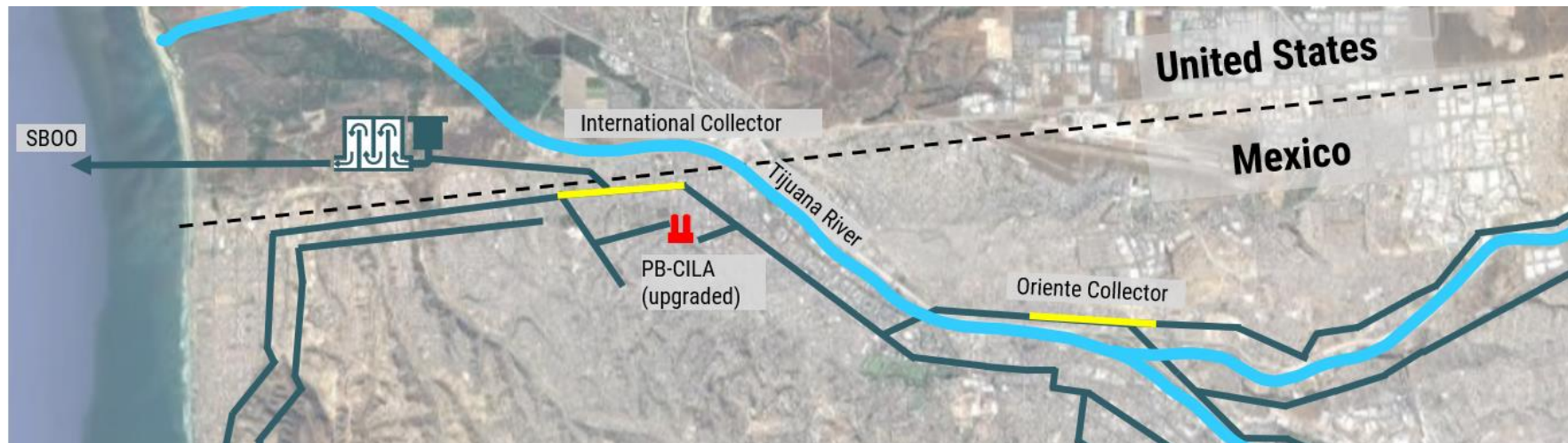
Near-Term Measures

Doug Eberhardt, EPA R9

Dave Gibson, Executive Officer, SDRWQCB

Border Water Infrastructure Program (BWIP)

- EPA and Mexico are cooperating to repair and replace infrastructure in Tijuana to prevent spills
 - July 2022 – Approved funding for planning of La Morita and Arturo Herrera reuse
 - Present – Construction underway to replace a deteriorated portion of the Oriente Collector
 - Spring 2023 – Final design to be approved and repairs to begin on the International Collector



State of California funding



State Water Board approved funding on July 19

- \$4 million for Trash Boom Pilot
- \$4 million to construct basin and trash boom, remove waste, and reduce flooding in Matadero Canyon/Smugglers Gulch

Tijuana's WW Treatment Plant (SAB): Next Steps

- New 18 MGD SAB
 - Funding confirmed for public private partnership
 - Expect to go out to bid in early 2023
- Exploration of Possible Interim Measures
 - Mexico is focused on long-term solution, but CILA and CESPT still exploring potential interim measures
 - Awaiting evaluation of effectiveness of interim measures, timelines and costs
 - Mexico has not identified any funding sources for studies/plans and construction/O&M

NEPA Progress

Ami Cobb, EPA HQ

Public Review of Draft Programmatic Environmental Impact Statement

- 45-day public review period for the Draft Programmatic Environmental Impact Statement (PEIS) ended on August 1st
- Public comments
 - 13 written and oral comments at the public meetings (July 19th & 20th)
 - 15 unique emails with ~250 form letters
- Response to comments will be provided in the Final PEIS



Summary of Comments from Draft PEIS

- Support the Proposed Action
 - Comprehensive Infrastructure Solution is most effective at addressing water quality, trash, public health, climate change, and EJ concerns
 - Large ITP (60 MGD)
 - New SABTP
 - Water reuse
- Disagreement with Proposed Action
 - Do not support increase in discharge of treated effluent out SBOO from ITP and APTP
 - More pressure on MX to fund improvements of infrastructure
- Other Comments
 - Treated water should be reused in U.S. and SABTP treated effluent should be considered for reuse
 - Treatment for river water (APTP) should be secondary treatment
 - Trash booms should be installed in Mexico

NEPA Schedule

NEPA Activity	Date
Close of Comment Period for Draft PEIS	August 1, 2022
Publish Final PEIS (30-day review period)	November 2022
Record of Decision	December 2022
Commence Tier 1 EIS	Early 2023

Binational Agreements

Doug Eberhardt, EPA R9

Summary

Statement of Intent



- Agreement between EPA and CONAGUA
- Framework for implementing the comprehensive infrastructure solution, identify projects, resources and timelines.
- Includes commitment to invest in short- and long-term projects on both sides of border.
- Signed July 1, 2022

Minute 328



- Agreement between USIBWC and CILA
- First step in binational implementation of the Statement of Intent framework
- Includes cost-share on O&M of ITP
- Signed July 19, 2022; Entry into force on August 18, 2022

Capital Projects

Capital Projects	
Short-term projects	ITP expansion to 50 mgd
	New 18 mgd SABTP
	Phase I reuse of La Morita and Arturo Herrera effluent
	Tijuana collector repairs*
	Rehabilitation of pump stations*
Long-term projects	Further ITP expansion to 60 MGD
	Capture of methane at the ITP
	Trash boom(s) in the Tijuana River
	US-side diversion of the Tijuana River
	Tijuana River Treatment Plant (AFTP)
	Convey flows from the canyons to the ITP by gravity
	Return line for treated flows from the ITP to Mexico
	Phase II reuse of La Morita and Arturo Herrera effluent

* More details on next slide

Short-Term Projects (2022-2027)



Infrastructure in red is part of the scope for rehabilitation, replacement, etc.

Short-Term Projects Summary (2022-2027)

	Capital Cost Share by Country (millions US dollars)		
Project Location	United States	Mexico	Total
United States	\$ 300.0	\$ -	\$ 300.0
Mexico	\$ 30.3	\$ 143.7	\$ 174.0
Total	\$ 330.3	\$ 143.7	\$ 474.0

Short-Term Sewage Collection & Conveyance Projects (2022-2027)

		Capital Cost Share by Country (million US dollars)		
Project Location	Project Name	United States	Mexico	Total
Mexico	Rehabilitation of PB-CILA	\$ -	\$ 4.0	\$ 4.0
	Rehabilitation of PB-1	\$ 8.0	\$ 4.0	\$ 12.0
	Oriente collector	\$ 0.9	\$ 0.9	\$ 1.8
	Rehabilitation of the International Collector	\$ 8.0	\$ 8.0	\$ 16.0
	Rehabilitation of the parallel gravity line	\$ -	\$ 10.3	\$ 10.3
	Rehabilitation of the Antiguo Force Main	\$ -	\$ 9.5	\$ 9.5
	Enclose the open channel from PB-1 to SABTP	\$ -	\$ 12.8	\$ 12.8
	Rehabilitation of the Insurgentes Collector	\$ -	\$ 17.9	\$ 17.9
	Rehabilitation of Poniente Interceptor	\$ -	\$ 1.4	\$ 1.4
	Rehabilitation of the Collector Carranza	\$ -	\$ 2.9	\$ 2.9
	Rehabilitation of the Oriente Interceptor	\$ -	\$ 15.5	\$ 15.5
	Lift station and force main from Sainz Canyon to Arturo Herrera	\$ -	\$ 2.2	\$ 2.2
	Rehabilitation of PB Matadero and Laureles 1 and 2	\$ -	\$ 7.6	\$ 7.6
	Tijuana River Gates	\$ 1.9	\$ 1.9	\$ 3.8
Backup power supply for PB-1	\$ 1.5	\$ 1.5	\$ 3.0	
Total		\$ 20.3	\$ 100.4	\$ 120.7

Short-Term Treatment & Reuse Projects (2022-2027)

		Capital Cost Share by Country (million US dollars)		
Project Location	Project Name	United States	Mexico	Total
United States	Expansion of SBIWTP to 50 mgd (Project 3)	\$ 300.0	\$ -	\$ 300.0
	Phase 1 of reuse of La Morita and Arturo Herrera effluent	\$ 10.0	\$ 10.0	\$ 20.0
Mexico	New 18 MGD SABTP	\$ -	\$ 33.3	\$ 33.3
Total		\$ 310.0	\$ 43.3	\$ 353.3

Minute 328: O&M of Short-Term Projects



Projects in U.S.

- Beginning in 2023, Mexico's contribution towards O&M of the ITP will be ~20%; U.S. to cover remaining ~80% of O&M costs
- Cost sharing of O&M defined through 2032; subsequent Minutes to define future O&M cost sharing
- For any flows above the design capacity, Mexico will pay the full treatment cost at the ITP
- Mexico will continue to dispose of sludge from the expanded ITP

Minute 328: O&M of Short-Term Projects

Projects in Mexico

- Rehabilitation of Pump Station CILA (PB-CILA)
 - Operated and maintained by Mexican Section of IBWC
 - O&M expenses to be reimbursed by the U.S. up to an amount determined by the USIBWC, contingent on Mexico paying their share of ITP O&M
 - Diverted river flows would no longer be conveyed to the ITP without prior approval of the USIBWC once PB1 improvements are made

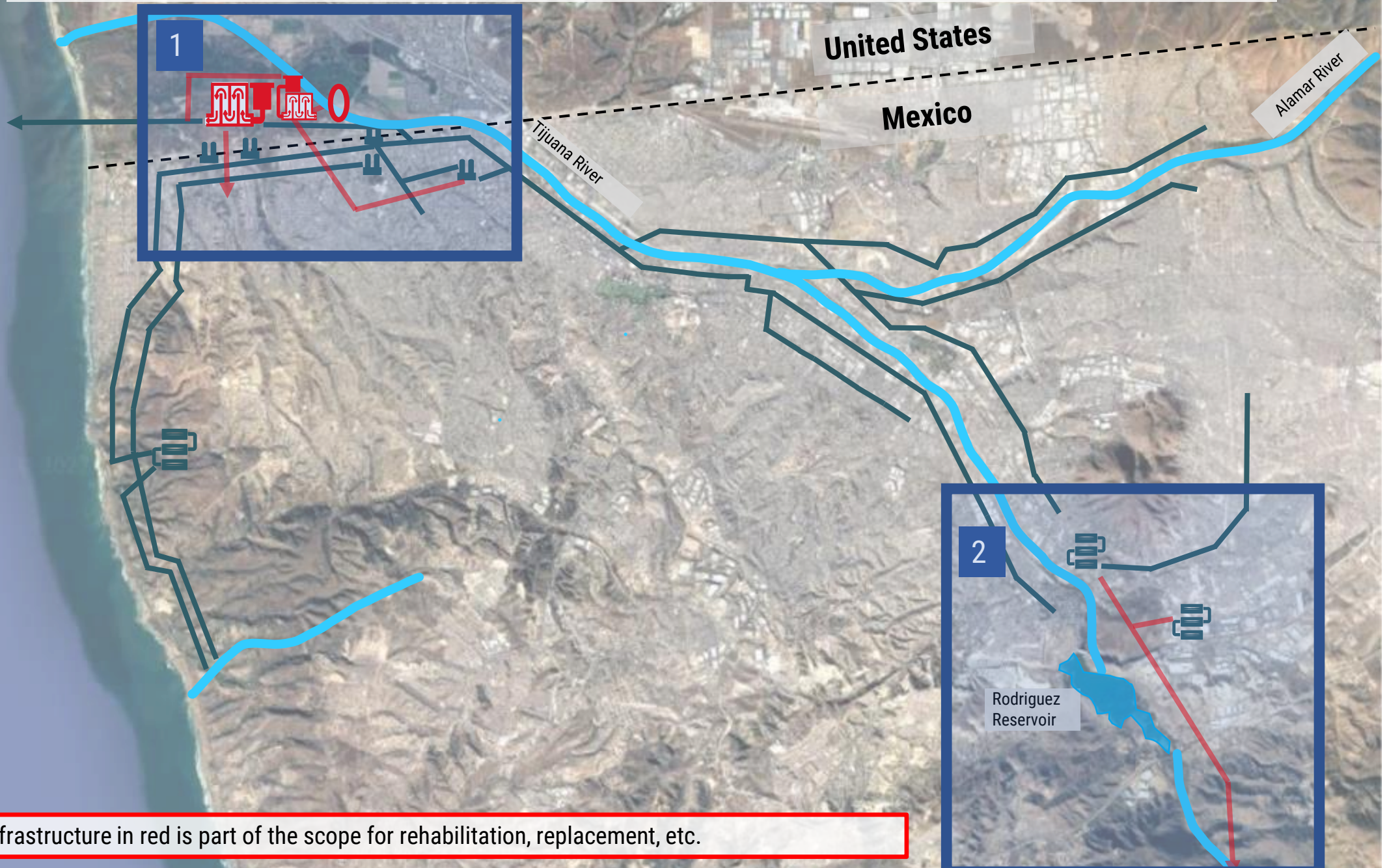
Projects in both U.S. and Mexico

- Details included in future IBWC Minute(s) as funding is available
- The USIBWC and CILA will develop Terms of Reference to ensure adequate funding for O&M

Capital Projects

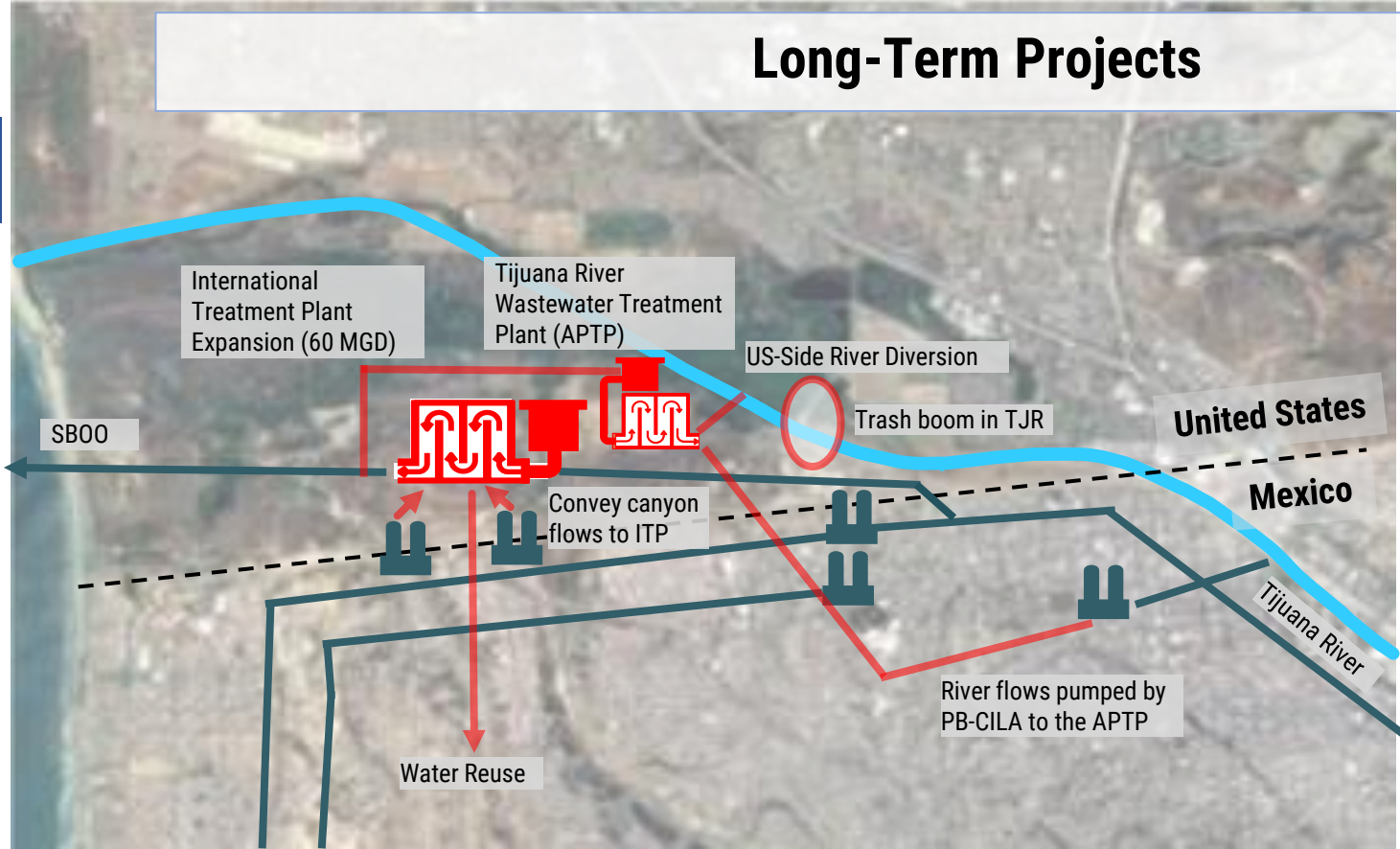
Capital Projects	
Short-term projects	ITP expansion to 50 mgd
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	Phase I reuse of La Morita and Arturo Herrera effluent
	Tijuana collector repairs
	Rehabilitation of pump stations
Long-term projects	Capture of methane at the ITP
	Further ITP expansion to 60 MGD
	Trash boom(s) in the Tijuana River
	Tijuana River Wastewater Treatment Plant (AFTP)
	US-side diversion of the Tijuana River
	Convey flows from the canyons to the ITP by gravity
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Long -Term Projects

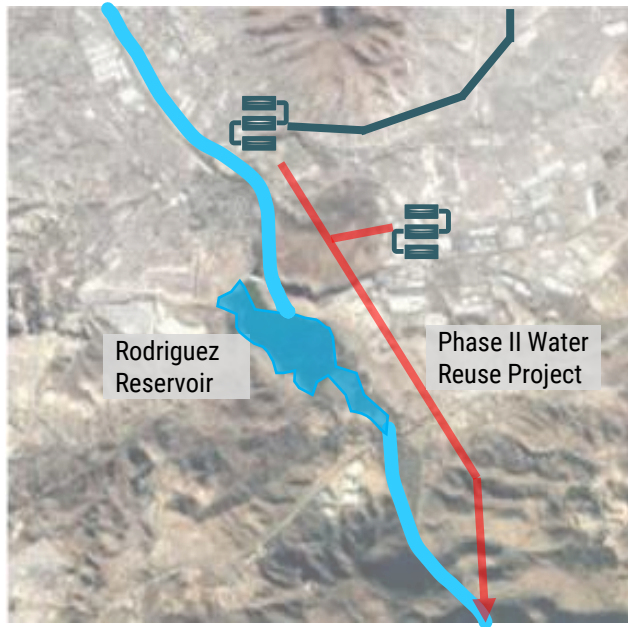


Long-Term Projects

1



2



Infrastructure in red is part of the scope for rehabilitation, replacement, etc.

Long-Term Projects

Additional funding will be necessary to complete these projects

Capital Cost Share by Country (million US dollars)				
Project Location	Project Name	United States	Mexico	Total
United States (listed in current priority order)	Capture of methane at the ITP			\$ 21
	Further ITP expansion up to 60 MGD			\$ 75
	Trash boom(s) in the Tijuana River			\$ 2
	Tijuana River Wastewater Treatment Plant (AFTP)	See below*		\$ 104
	US-side diversion of the Tijuana River			\$ 27
	Sub-Total			\$ 229**
United States and Mexico	Convey flows from the canyons to the ITP by gravity			\$ 31
	Return line for treated flows from the ITP to Mexico	See below*		\$ 12
	Sub-Total			\$ 43**
Mexico	Phase II reuse of La Morita and Arturo Herrera effluent			\$ 55
	Sub-Total	See below*		\$ 55
Total				\$ 327

*Long-term project cost shares will be determined later

**An estimated ~\$250M in additional funding is needed from the U.S.

Short-Term & Long-Term Summary

SHORT TERM (2022-2027) – US & Mexico Cost-Share

Project Location	Capital Cost Share by Country (millions US dollars)		
	United States	Mexico	Total
United States	\$ 300.0	\$ -	\$ 300.0
Mexico	\$ 30.3	\$ 143.7	\$ 174.0
Total	\$ 330.3	\$ 143.7	\$ 474.0

LONG TERM – Not yet funded

Project Location	Total
United States	\$ 229.0
Mexico	\$ 98.0
Total	\$ 327.0

Construction and O&M Oversight

- NADBank oversight provisions:
 - Monitors procurement and construction, including reports, meetings and field visits
 - Requires sponsor to establish reserves for:
 - Operations and maintenance
 - Repair and replacement
- IBWC oversight provisions:
 - Joint IBWC/CILA oversight of all projects in Minute 328
 - Joint IBWC/CILA inspection tours of Tijuana River
 - Detect where sewage enters river
 - Identify sources of sewage entering river

Pre-Design

Gilbert Anaya, USIBWC

Schedule

South Bay International Wastewater Treatment Plant	2022	2023	2024	2025	2026	2027
Phase 1. SBIWTP Assessment						
Facility Planning- 8 month schedule (June/July 2023)						
Deliverable 1- Condition assessment of SBIWTP, Report, Conceptual drawings, and Opinion of Probable Cost (OPC)						
Deliverable 2: Evaluation of largest expansion possible						
Deliverable 3: SOW development, and OPC for selected contracting method						
Procurement assistance						
Program Management						
Project and Construction Management Services						
Value Engineering including Energy Efficiency						
Programmatic Reporting, Coordination with Stakeholders						
Phase 2. Design SBIWTP Expansion- 18 month schedule						
Phase 3. Construction SBIWTP Expansion- 36 month schedule						

Authorizing Language

Hector Aguirre, EPA R9

Authorizing Language

- Recommendation for Updating Statutory Authority
 - Interagency Agreement for Construction
 - Flexibility to transfer funds for future Comprehensive Infrastructure Solution projects
 - Authorize funds transfer to USIBWC from any sources, not just EPA, e.g., other Federal agencies, State, County, or any other sources of funds
 - Consistent with technical assistance response provided in April 2022



Pending Items

Project Implementation

- Congressional authorizing language/other legal mechanism to transfer funds from EPA to IBWC for construction
- Other legal mechanism to transfer funds from State of CA for USMCA projects
- Operations & maintenance funding for new systems

Next Steps

- Public information meetings (October 5)
- Continue binational discussions
 - Progress on near term measures
 - Development of subsequent Treaty Minutes

Closing Remarks

Tomás Torres
EPECG Co-Chair