

OTAY WATER DISTRICT
DESALINATION PROJECT COMMITTEE MEETING
and
SPECIAL MEETING OF THE BOARD OF DIRECTORS

2554 SWEETWATER SPRINGS BOULEVARD
SPRING VALLEY, CALIFORNIA
Boardroom

TUESDAY
January 28, 2014
11:30 A.M.

This is a District Committee meeting. This meeting is being posted as a special meeting in order to comply with the Brown Act (Government Code Section §54954.2) in the event that a quorum of the Board is present. Items will be deliberated, however, no formal board actions will be taken at this meeting. The committee makes recommendations to the full board for its consideration and formal action.

AGENDA

1. ROLL CALL
2. PUBLIC PARTICIPATION – OPPORTUNITY FOR MEMBERS OF THE PUBLIC TO SPEAK TO THE BOARD ON ANY SUBJECT MATTER WITHIN THE BOARD'S JURISDICTION BUT NOT AN ITEM ON TODAY'S AGENDA

DISCUSSION ITEMS

3. UPDATE ON THE ROASARITO DESALINATION PLANT AND CONVEYANCE AND THE OTAY MESA CONVEYANCE AND DISINFECTION SYSTEM PROJECTS (WATTON)
4. ADJOURNMENT

BOARD MEMBERS ATTENDING:

Jose Lopez, Chair
Mitch Thompson

All items appearing on this agenda, whether or not expressly listed for action, may be deliberated and may be subject to action by the Board.

The Agenda, and any attachments containing written information, are available at the District's website at www.otaywater.gov. Written changes to any items to be considered at the open meeting, or to any attachments, will be posted on the District's website. Copies of the Agenda and all attachments are also available through the District Secretary by contacting her at (619) 670-2280.

If you have any disability that would require accommodation in order to enable you to participate in this meeting, please call the District Secretary at 670-2280 at least 24 hours prior to the meeting.

Certification of Posting

I certify that on January 24, 2014 I posted a copy of the foregoing agenda near the regular meeting place of the Board of Directors of Otay Water District, said time being at least 24 hours in advance of the meeting of the Board of Directors (Government Code Section §54954.2).

Executed at Spring Valley, California on January 24, 2014.

/s/ Susan Cruz, District Secretary

AGENDA ITEM 3



STAFF REPORT

TYPE MEETING:	Regular Board	MEETING DATE:	February 5, 2014		
SUBMITTED BY:	Bob Kennedy Engineering Manager	CIP./G.F. NO:	P2451- 001101	DIV. NO.	ALL
APPROVED BY:	<input checked="" type="checkbox"/> Rod Posada, Chief, Engineering <input checked="" type="checkbox"/> German Alvarez, Assistant General Manager <input checked="" type="checkbox"/> Mark Watton, General Manager				
SUBJECT:	Informational Update for the Rosarito Desalination Plant and Conveyance and the Otay Mesa Conveyance and Disinfection System Projects				

GENERAL MANAGER' S RECOMMENDATION:

No recommendation. This is an informational item only.

COMMITTEE ACTION:

Please see Attachment A.

PURPOSE:

To update the Otay Water District (District) Board of Directors (Board) on the progress of the Rosarito Desalination Plant and Conveyance and the Otay Mesa Conveyance and Disinfection System Projects (Project) (see Exhibit A for Project location).

ANALYSIS:

BACKGROUND

The Project has two different components - the Rosarito desalination plant and conveyance in the Mexican side and the conveyance and disinfection system in the United States' (U.S.) side.

The desalination plant and the conveyance system south of the border are being developed by NSC Agua S.A. de C.V. (NSC Agua), a Mexican corporation majority owned by Consolidated Water Co.

Ltd. (Consolidated Water), a publicly-traded company. Consolidated Water is headquartered in George Town, Grand Cayman. The Company's ordinary (common) stock is traded on the NASDAQ Global Select Market under the symbol "CWCO". The Company designs, builds, and operates seawater reverse osmosis (RO) desalination plants and/or water distribution systems in the Cayman Islands, Belize, the British Virgin Islands, the Commonwealth of the Bahamas, and Bali, Indonesia, and is expanding operations into Mexico.

PILOT PLANT

The Rosarito Desalination Plant and Conveyance Pipeline (Project) is comprised of a 100 million gallon per day seawater reverse osmosis desalination plant, together with a pump station and pipeline to convey the water to Tijuana and excess production water to the United States border with Mexico. The primary purpose of the Project is to provide potable water service to customers in Mexico and to provide a reliable supply of excess production water to Otay in the U.S. To that effect, the first step before the design and construction of the desalination plant is to install and operate a pilot plant to determine the type of pre-treatment and plant design to be used.

NSC Agua is considering Doosan Heavy Industries and Construction (Doosan) to build and operate the pilot plant after securing permission from the Comisión Federal de Electricidad (Federal Electricity Commission). NSC Agua and Doosan recently completed testing of the pre-treatment phase and are evaluating how to do the piloting of the RO units.

PLANT SITE AND EASEMENT ACQUISITION

Negotiations with the Federal Electricity Commission are progressing on the agreements to secure permanent easements and rights to connect pipelines to and from the desalination plant to the seawater intake and outlet structures of the Presidente Juarez power plant.

NSC Agua has secured the right to purchase two parcels of land in Rosarito for the desalination plant (about 50 acres in total area), adjacent to the power plant.

OTAY'S CONVEYANCE SYSTEM/ACTIVITIES

The Project will provide a potable water transmission pipeline and pump station to convey the desalinated water from the border between the U.S. and Mexico on Otay Mesa to Roll Reservoir on Otay Mesa.

Given the many challenges in advancing this Project, the District has retained specialty consultants to provide technical, regulatory, bi-national, and policy assistance.

In December 2012, the Board Desal Committee discussed with the General Manager the signing of a non-binding Letter of Intent (LOI) with NSC Agua to negotiate a Water Purchase Agreement for the purchase of desalinated water produced from the Rosarito Desalination facility and delivered to the U.S.-Mexico border at a point near the proposed Third Border Crossing on Otay Mesa. This is the second LOI signed by the District and NSC Agua. The previous LOI was signed on February 5, 2009.

Concerning the facilities north of the border, the District awarded a contract to AECOM Technical Services for the design of a large diameter pipeline 3.5 miles long, a pump station, and a disinfection facility on October 21, 2010. Part of the contract also includes CEQA/NEPA compliance and other services to get California Department of Public Health permitting. AECOM has now completed most of the preliminary environmental studies. AECOM's current authorization is for \$1,496,021. As of December 31, 2013, AECOM has invoiced the District for \$593,010. The total expenditures to date on the Project are \$2,622,562 (see Attachment B).

AECOM has also started work on the preliminary design reports for the pipeline. Staff and the consultant are working with NSC Agua to determine pressure, size, and point of location at the border.

The District started to have interest in this Project since 2005 with the release of the South County/Tijuana Region Seawater Desalination Feasibility Study that was funded by the State of California, State Water Resources Control Board. The San Diego County Water Authority managed the study with oversight and direction for the study provided by the Binational Technical Committee comprised of CONAGUA (Comisión Nacional del Agua), Comisión Estatal de Servicios Públicos de Tijuana (CESPT), Comisión Estatal del Agua (CEA), CILA (Comisión Internacional de Límites y Aguas), and IBWC (International Boundaries and Water Commission). California American Water Company, City of Chula Vista, City of San Diego Water Department, Otay Water District, Port of San Diego, and Sweetwater Authority also provided oversight and direction for the study.

PUBLIC OUTREACH EFFORTS

Outreach efforts have been taking place to apprise stakeholders, elected officials, and the public about the progress of the Rosarito Beach Desalination Project. These efforts included

one-on-one briefings with elected officials, presentations to local chambers of commerce and community groups, updates to regulatory agencies and officials, development of informational materials, and information shared with the media about the Project. To date, the response to community outreach has been positive. As the Project moves forward these outreach efforts will continue.

If successful, this Project will start delivering water to Otay customers by late 2017 or early 2018. This will be the first cross-border water supply project of its kind and requires public messaging to inform key stakeholders and the public of the significance of the Project. The District recently retained Rea and Parker Research to study customers' opinion on the safety, quality, reliability, and affordability of the new water supply. A number of concerns were raised including water quality, crime, terrorism, environmental impacts, and potential nationalization of the assets. There were some concerns about the location of the facility being in Rosarito, Mexico. There is good support for desalinated water as a diversified water supply, a supply that is close to users, and it has been suggested that the desalinated water be 40% of the District's supply.

The District has established very important contacts and discussions with various Mexican officials. This has resulted in a better understanding of the various projects and initiatives by local, state, and federal agencies in Mexico. The Ad-Hoc Desal Commission and staff gave a presentation on the Project to Mexico Congress' Northern Border Affairs Commission chaired by Diputado Jaime Bonilla on May 26, 2013 in Tijuana, B.C. Mexico. On November 6, 2013, the District and NSC Agua presented the Rosarito Project to IBWC and CILA in Mexico. The presentation was attended by the IBWC and CILA representatives, as well as representatives of water-related governmental agencies from both countries. Staff believe that the Project was well-received and are optimistic that this meeting will lead to the establishment of collaboration protocols between NSC Agua and these governmental agencies on both sides of the border.

PRESIDENTIAL PERMIT/ENVIRONMENTAL PROGRAM

The District has begun the permitting process and has submitted a request to the United States Department of State (State Department) requesting the State Department to act as the NEPA lead agency on the Project and process a Presidential Permit to authorize the construction, operation, and maintenance of a new border crossing pipeline to import desalinated seawater from the U.S./Mexico International Border subject to State Department jurisdiction. The Presidential Permit application referenced

the International Boundary and Water Commission issued Minute No. 319, "Interim International Cooperative Measures in the Colorado River Basin through 2017 and Extension of Minute 318 Cooperative Measures to Address the Continued Effects of the April 2010 Earthquake in the Mexicali Valley, Baja California." This Minute includes opportunities for International Projects, specifically, "New Water Sources Projects" that identified a Binational Desalination Plant project in Rosarito Beach, Baja California, Mexico. The District is also working on its environmental compliance documents for both Federal (NEPA) and State (CEQA).

Since the end of October, the District, AECOM, and NSC Agua have been meeting regularly to finish the draft California Department of Public Health (CDPH) Permit Approval Road Map which will be forwarded to CDPH in January 2014 for review and comment. Following the submittal to CDPH, the District and NSC Agua will be scheduling a meeting to receive guidance on how the Project will be planned, designed, and operated to safeguard public health and to achieve regulatory approval by CDPH. Meetings have also been held with the EPA (Environmental Protection Agency) and staff with the San Diego Regional Water Quality Control Board to discuss the Project.

On the environmental aspect of the Project, wet season field surveys are being planned for fairy shrimp for the Otay Mesa Conveyance pipeline Project. The dry weather is prolonging this effort which could not be concluded last year due to the late start of the environmental work and the dry weather for the last 12 months.

CONAGUA'S NEW STANDARDS FOR DESAL PROJECTS

Mexico is currently working on updating federal standards for desalination facilities including brine discharge requirements. District staff has been engaged in this process by attending meetings in Mexico City and have submitted comments to CONAGUA on these new Standards.

LEGAL AND TECHNICAL SERVICES

NSC Agua is working on an outline of the Terms and Conditions (Term Sheet) of the proposed Water Purchase Contract for the District to review and comment. Because of the complex and technical nature of this project and the transaction, specialized legal, financial, and engineering expertise is required to conduct project due diligence and to assist staff in the preparation and negotiation of this Term Sheet and a future Water Purchase Agreement. Staff is working on developing a

short list of these potential key consultants and will bring each to the Board for consideration at the appropriate time.

FISCAL IMPACT: Joe Beachem, Chief Financial Officer

No budget impacts. (See Attachment B - Budget Detail).

STRATEGIC GOAL:

This Project supports the District's Mission statement, "To provide high value water and wastewater services to the customers of the Otay Water District in a professional, effective, and efficient manner" and the General Manager's Vision, "A District that is at the forefront in innovations to provide water services at affordable rates, with a reputation for outstanding customer service."

LEGAL IMPACT:

None.

BK/RP:jf

P:\WORKING\CIP P2451 Desalination Feasibility Study\Staff Reports\Board 02-05-14\BD 02-05-14 Staff Report Rosarito Desal Project Update Info Item (BK-RR).doc

Attachments: Attachment A - Committee Action
 Attachment B - Budget Detail
 Exhibit A - Location Map
 Exhibit B - Presentation



ATTACHMENT A

SUBJECT/PROJECT: P2451-001101	Informational Update for the Rosarito Desalination Plant and Conveyance and the Otay Mesa Conveyance and Disinfection System Projects
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COMMITTEE ACTION:

This item was presented to the Desalination Committee (Committee) at a meeting held on January 28, 2014. The Committee supported presentation to the full Board.

NOTE:

The "Committee Action" is written in anticipation of the Committee moving the item forward for Board approval. This report will be sent to the Board as a Committee approved item, or modified to reflect any discussion or changes as directed from the Committee prior to presentation to the full Board.



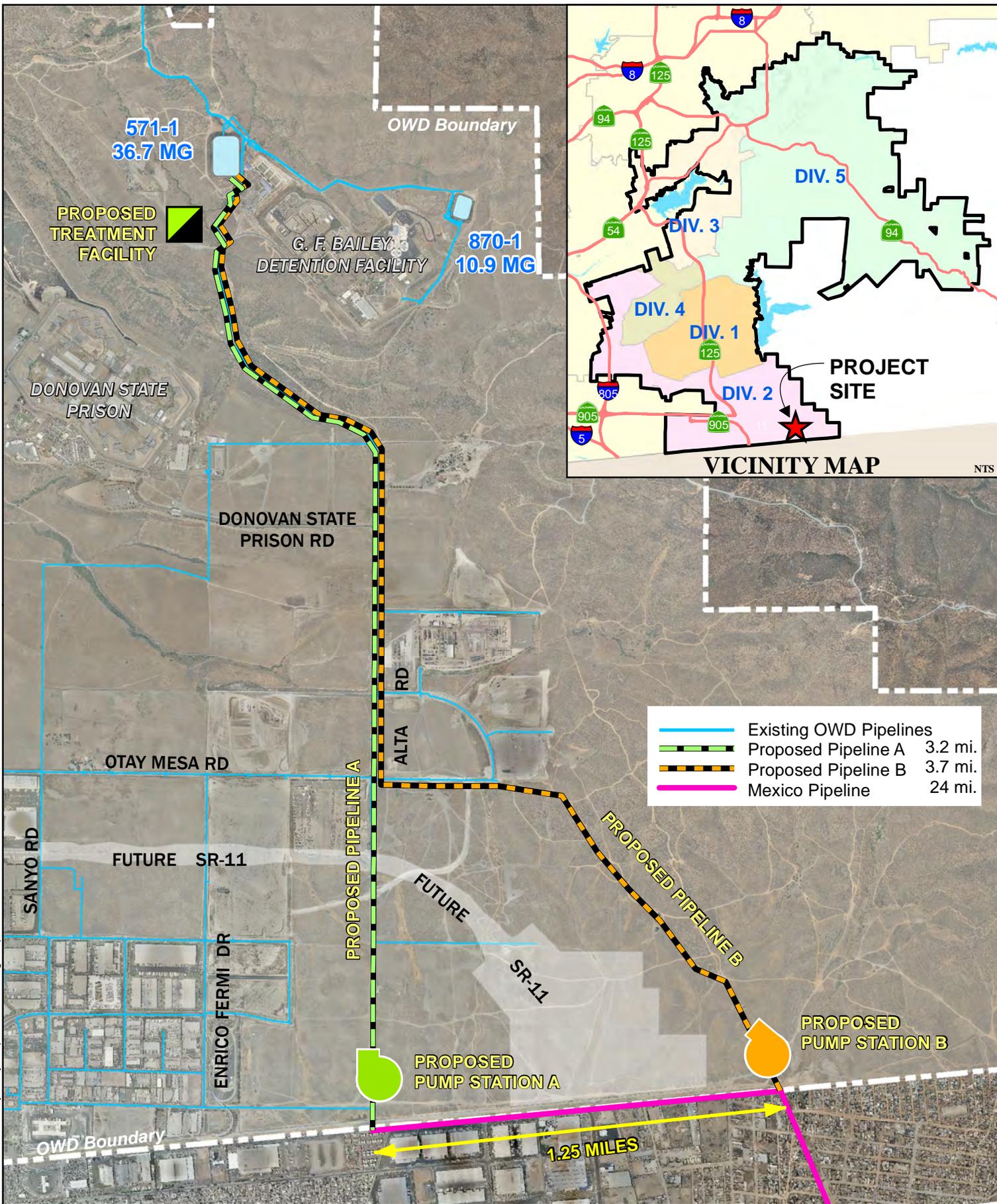
ATTACHMENT B

SUBJECT/PROJECT:	Informational Update for the Rosarito Desalination Plant and Conveyance and the Otay Mesa Conveyance and Disinfection System Projects
P2451-001101	

Project Budget Detail							
P2451-Otay Mesa Desalination Conveyance and Disinfection System Project							
Budget: \$30,000,000.00	Committed	Expenditures	Outstanding Commitment & Forecast	Projected Final Cost	Vendor/Comments		
Planning	Consultants	\$ 98,577	\$ 98,577	\$ -	\$ 98,577	CAMP DRESSER & MCKEE INC	
		\$ 13,311	\$ 13,311	\$ -	\$ 13,311	CPM PARTNERS INC	
		\$ 12,200	\$ 12,200	\$ -	\$ 12,200	REA & PARKER RESEARCH	
		\$ 70,078	\$ 70,078	\$ -	\$ 70,078	MARSTON+MARSTON INC	
		\$ 678,800	\$ 591,200	\$ 87,600	\$ 678,800	HECTOR I MARES-COSSIO	
		\$ 4,173	\$ 4,173	\$ -	\$ 4,173	SALVADOR LOPEZ	
		\$ 144,000	\$ 124,279	\$ 19,721	\$ 144,000	SILVA SILVA INTERNATIONAL	
	Travel	\$ 19,481	\$ 19,481	\$ -	\$ 19,481	STAFF	
	Printing	\$ 61	\$ 61	\$ -	\$ 61	MAIL MANAGEMENT GROUP INC	
	Prof Legal Fees	\$ 162,041	\$ 162,041	\$ -	\$ 162,041	GARCIA CALDERON & RUIZ LLP	
		\$ 43,175	\$ 43,175	\$ -	\$ 43,175	SOLORZANO CARVAJAL GONZALEZ Y	
		\$ 16,114	\$ 16,114	\$ -	\$ 16,114	STUTZ ARTIANO SHINOFF	
	Service Contracts	\$ 106	\$ 106	\$ -	\$ 106	SAN DIEGO DAILY TRANSCRIPT	
		\$ 500	\$ 500	\$ -	\$ 500	REBECA SOTURA NICKERSON (INTERPRETOR)	
	Standard Salaries	\$ 705,745	\$ 705,745	\$ -	\$ 705,745		
	Total Planning	\$ 1,968,362	\$ 1,861,041	\$ 107,321	\$ 1,968,362		
	Design	Consultants	\$ 3,910,297	\$ 593,010	\$ 3,317,287	\$ 3,910,297	AECOM TECHNICAL SERVICES INC
			\$ 5,109	\$ 5,109	\$ -	\$ 5,109	MARSTON+MARSTON INC
			\$ 14,175	\$ 14,175	\$ -	\$ 14,175	MICHAEL R WELCH PHD PE
			\$ 8,818	\$ 8,818	\$ -	\$ 8,818	CPM PARTNERS INC
\$ 5,000			\$ 5,000	\$ -	\$ 5,000	ATKINS	
\$ 50,293			\$ 15,293	\$ 35,000	\$ 50,293	BROWNSTEIN HYATT FARBER & SCHRECK LLP	
\$ 50,000			\$ 17,500	\$ 32,500	\$ 50,000	BUSTAMANTE & ASSOCIATES LLC	
Travel		\$ 2,631	\$ 2,631	\$ -	\$ 2,631	STAFF	
Prof Legal Fees		\$ 7,761	\$ 7,761	\$ -	\$ 7,761	STUTZ ARTIANO SHINOFF	
Service Contracts		\$ 114	\$ 114	\$ -	\$ 114	REPROHAUS CORP	
		\$ 343	\$ 343	\$ -	\$ 343	SAN DIEGO UNION-TRIBUNE LLC	
Standard Salaries		\$ 91,440	\$ 91,440	\$ -	\$ 91,440		
Total Design		\$ 4,145,979	\$ 761,192	\$ 3,384,787	\$ 4,145,979		
Construction		Standard Salaries	\$ 329	\$ 329	\$ -	\$ 329	
		Total Construction	\$ 329	\$ 329	\$ -	\$ 329	
Budget	\$30,000,000.00						
Total	\$ 6,114,670	\$ 2,622,562	\$ 3,492,108	\$ 6,114,670			

March 23, 2005 through January 21, 2014

P:\WORKING\CIP P2451 Desalination Feasibility Study\Graphics\Exhibits-Figures\Exhibit A.mxd



OTAY WATER DISTRICT

Otay Mesa Conveyance and Disinfection Facility Project

EXHIBIT A

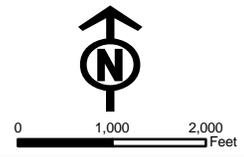


Exhibit B



OTAY WATER DISTRICT



ROSARITO DESALINATION PLANT AND THE OTAY MESA CONVEYANCE AND DISINFECTION SYSTEM PROJECTS

UPDATE TO THE
BOARD OF DIRECTORS

February 5, 2014

Project Background

- ◆ 100 MGD desalination plant in Rosarito, Baja California, Mexico.
- ◆ Adjacent to the existing power plant on a 50 acre site.
- ◆ Use of existing ocean intake and cooling ocean water from the power plant.
- ◆ 25 mile pipeline to the border and a 3.5 mile pipeline to Otay Water District facilities.
- ◆ One interconnection to “El Florido” Treatment Plant in Tijuana B.C.
- ◆ 50 MGD for Tijuana/Rosarito and the remainder for Otay Water District or other agencies.
- ◆ Water quality to meet International and CDPH standards.
- ◆ Proposed facilities on the U.S. side include monitoring stations, UV disinfection, and an existing storage tank (37 MGD).
- ◆ All chemicals will be NSF certified.
- ◆ NSC Agua has secured permission for the construction of the Pilot Plant on the power plant site and recently completed testing the pre-treatment phase.

Otay Water District list of Consultants

Michael R. Welch, Ph.D., P.E.	Consulting Engineer
AECOM	Consulting Engineer
Marston & Marston Inc.	Public Relations - Public Outreach
Brownstein Hyatt Farber Schreck, LLP	Legislative Advocacy
Silva-Silva International	Legislative Advocacy
Hector I Mares-Cossío	Bi-National Advisor
Cruz Bustamante	Governmental Affairs Advisor
Rea & Parker Research	Survey/Market Research
Atkins	Consulting Engineer

Last Update was given to the Board

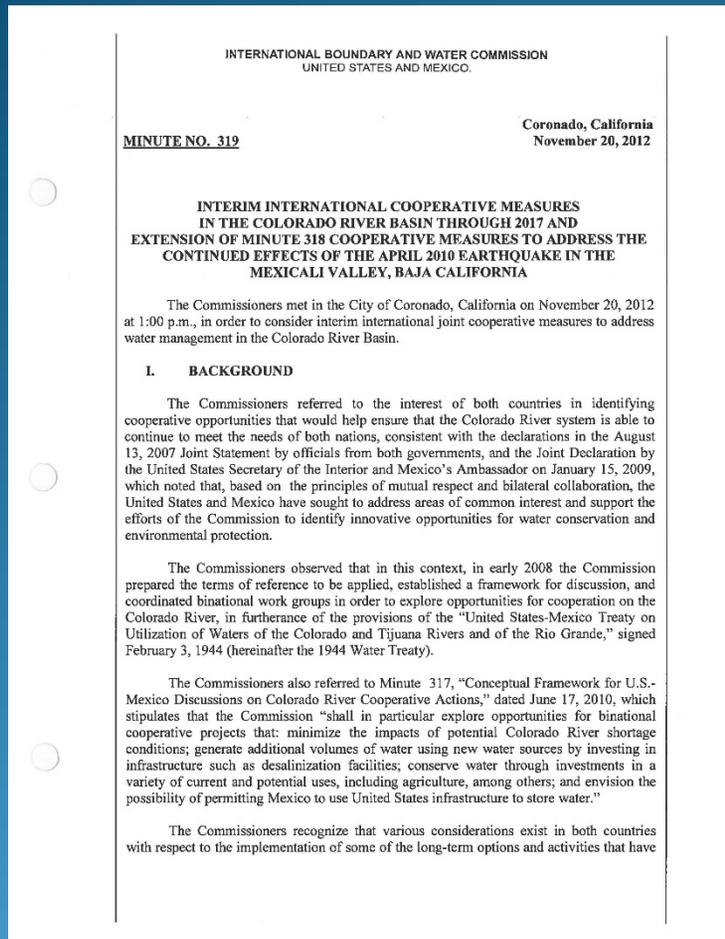
January 8, 2013

Milestones since the last update:

- ◆ Non-binding Letter of Intent to negotiate a Water Purchase Agreement signed November 2012.
- ◆ IBWC/CILA Minute 319 approved November 20, 2012.
- ◆ On January 24, 2013 limited authorization given to AECOM to start environmental surveys.
- ◆ March 22, 2013 tour of pilot plant.
- ◆ Summer 2013 NSC Agua completes pilot of pre-treatment.
- ◆ November 6, 2013 NSC Agua and District presented project to joint IBWC/CILA meeting in Mexico.
- ◆ December 3, 2013 Presidential Permit submitted to the US State Department.

IBWC - Minute 319

- ◆ Allows Mexico to store water in Lake Mead.
- ◆ 5-Year test program that reduces deliveries to Mexico when reservoirs are low and increases deliveries when reservoirs levels are high.
- ◆ Allows Nevada and Arizona to invest in Mexico's infrastructure to conserve water to be shared with many agencies.
- ◆ Bi-national Desalination can be considered methodology to further conserve water for the environment and for farmers.



AECOM



Otay Mesa Conveyance and
Disinfection System Project
CIP P2451 – White Paper

CDPH Permit Approval Road Map

| **DRAFT** ~~February~~ December-2013

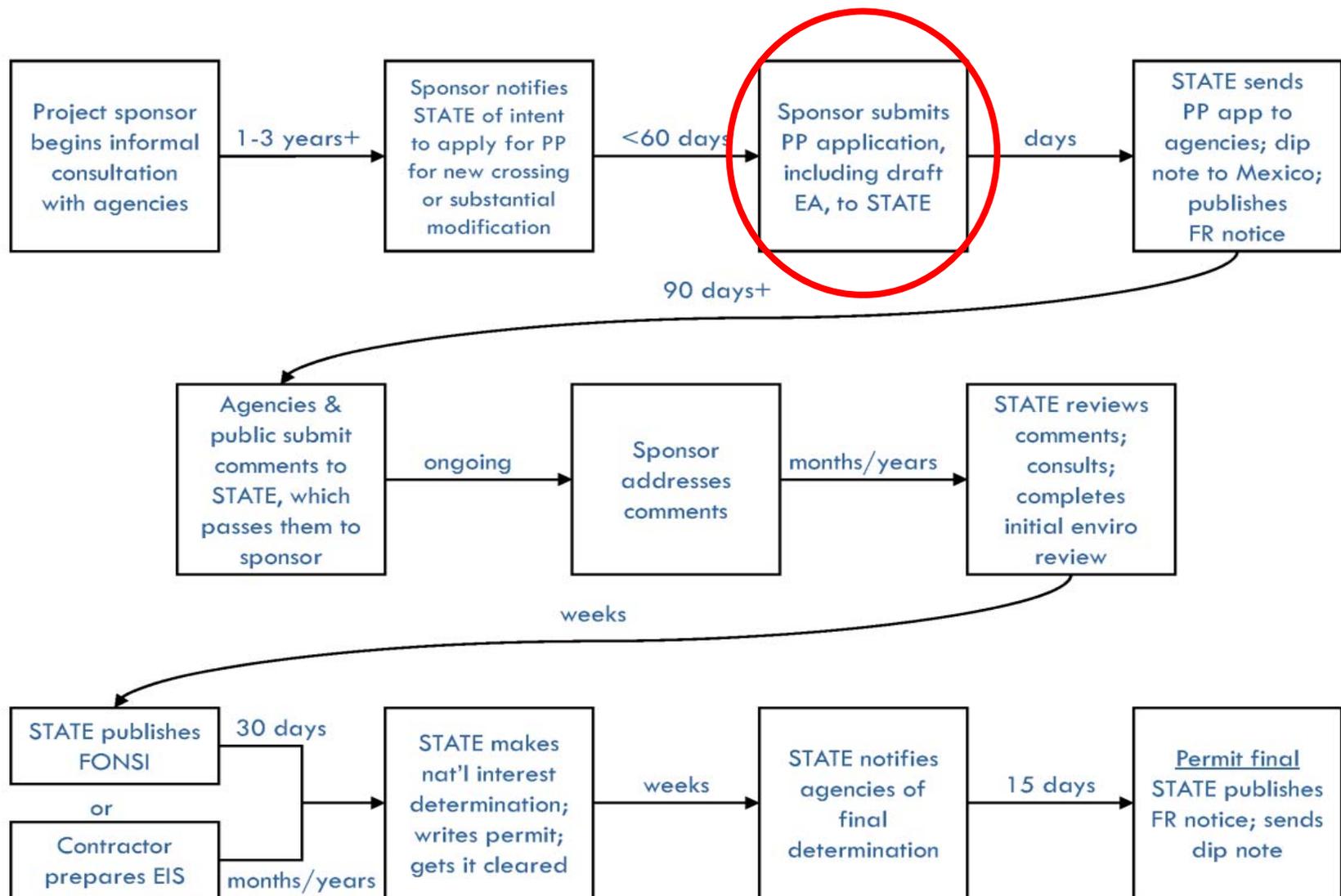


Road Map for CDPH Approval

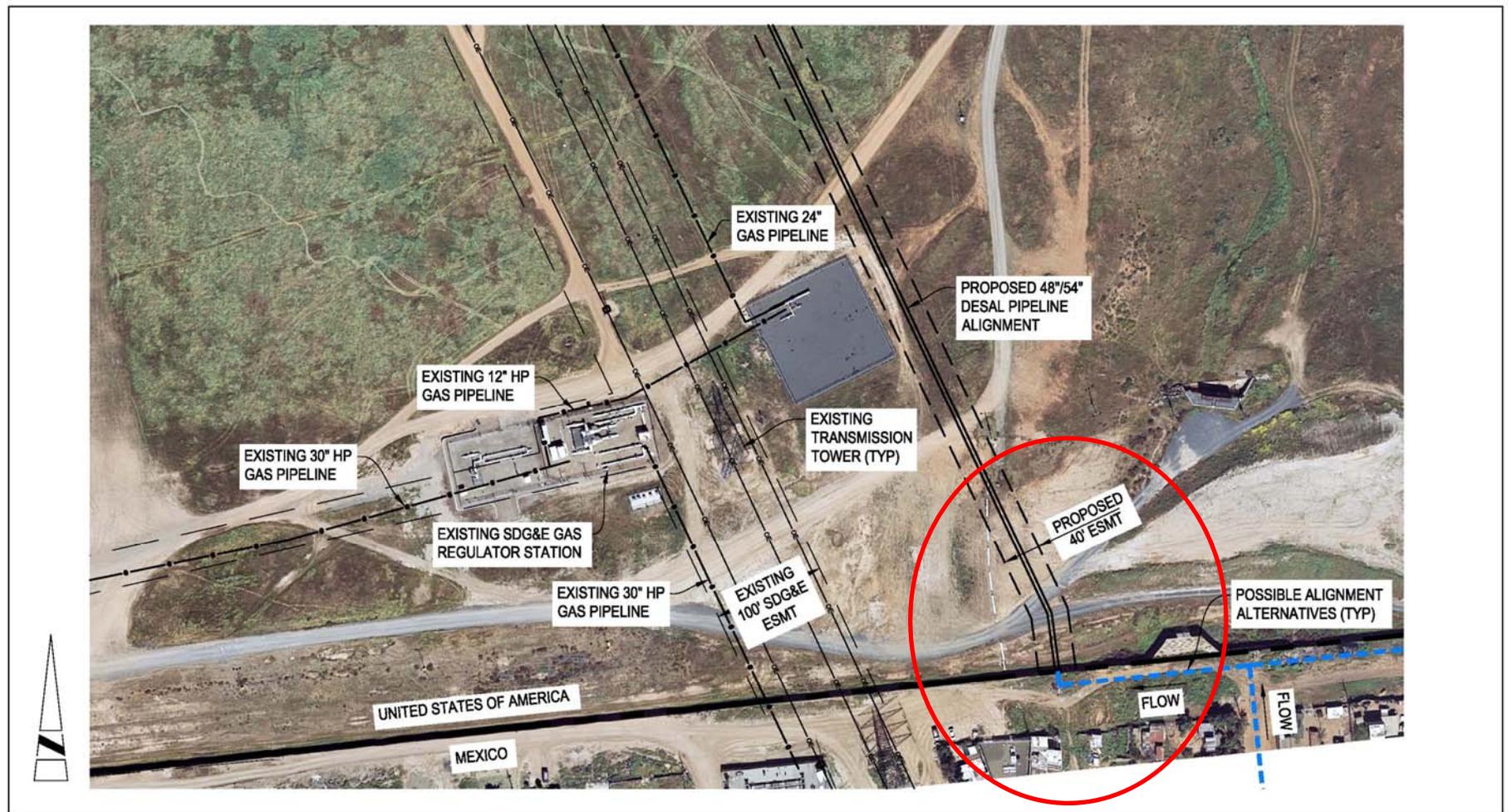
Otay Mesa Conveyance and
Disinfection System Project –
White Paper:

- Provides a summary of actions and project elements needed to facilitate CDPD approval of project.

Presidential Permit Process



Tentative Connection at the Border



AECOM
 TECHNICAL SERVICES, INC.
 7807 CONVOY COURT SAN DIEGO, CA. 92111
 TEL: 858.268.8080 www.aecom.com



HORIZONTAL DATUM:
 NORTH AMERICAN DATUM
 OF 1983 (NAD 83), ZONE 6,
 US SURVEY FEET

VERTICAL DATUM:
 NORTH AMERICAN
 VERTICAL DATUM OF 1988
 (NAVD 88) MSL

**Otay Mesa Conveyance and
 Disinfection System Project**

Figure 2 - Border Point of Connection

CONAGUA-2013

ANTEPROYECTO DE NOM-XXX-PLANTAS DESALINIZADORAS



ANTEPROYECTO DE NOM-XXX-CONAGUA-2013, PLANTAS DESALINIZADORAS. REQUISITOS PARA LA INSTALACIÓN, TOMA DE AGUA, USO DEL AGUA TRATADA Y VERTIDO DE LAS SALMUERAS.

1 OBJETIVO

Este Proyecto de Norma Oficial Mexicana, establece los requisitos mínimos que deben de cumplir las plantas desalinizadoras para su instalación, toma de agua independientemente de su salinidad, con el fin de obtener agua desalinizada para cualquier uso, y el vertido de las aguas de rechazo (salmueras).

2 CAMPO DE APLICACIÓN

Este proyecto de Norma Oficial Mexicana aplica a todos los sistemas de desalinización públicos y privados, y a cualquier persona física o moral que utilice un proceso para obtener agua desalinizada para cualquier uso y el vertido de las aguas de rechazo, en todo el territorio nacional.

3 REFERENCIAS

Para la correcta aplicación de este proyecto de norma, se debe de consultar la siguiente Norma Oficial Mexicana vigente:

NOM-127-SSA1-1994, *Salud ambiental, agua para uso y consumo humano - Límites permisibles de calidad y tratamientos a que debe someterse el agua para su potabilización. Publicada en el Diario Oficial de la Federación el 18 de enero de 1996 y su última modificación el 22 de noviembre del 2000.*

4 DEFINICIONES

Para efectos de aplicación de este proyecto de Norma se establecen las siguientes definiciones, además de las comprendidas en la Ley de Aguas Nacionales y su Reglamento, la Ley Federal de Derechos.

4.1 Agua cruda

Es el agua tal como se encuentra en las fuentes, en estado natural, sin tratamiento. Se pueden identificar como fuentes de agua cruda a los cursos superficiales o subterráneos, entre ellos, el océano, ríos, arroyos, lagos, lagunas y acuíferos.

4.2 Inyección de sondeo profundo

Es la introducción natural o forzada de un líquido en el subsuelo, en formaciones geológicas permeables que, conteniendo agua salada, se encuentran en unas condiciones de aislamiento que proporcionen una protección suficiente de los recursos subterráneos de agua potable.

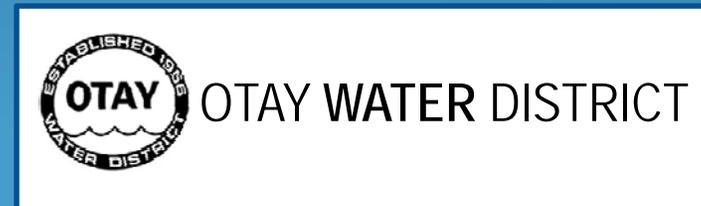
- ◆ Otoy WD engaged in proposed regulations.
- ◆ Sets standards for intakes, outfalls, and brine discharge requirements for all desalination plants.

2014 Work Plan

Future Milestones for 2014:

- ◆ NSC Agua to complete review of “White Paper” and submit to CDPH for review and comment.
- ◆ NSC Agua to define service pressure and confirm pipeline border crossing location.
- ◆ NSC Agua and the District meet with CDPH to discuss regulatory approval process.
- ◆ District to complete “Wet Season Surveys” of fairy shrimp.
- ◆ State Department establishes NEPA requirements for Presidential Permit.
- ◆ NSC Agua and the District initiate discussions on term sheet and water purchase agreement.

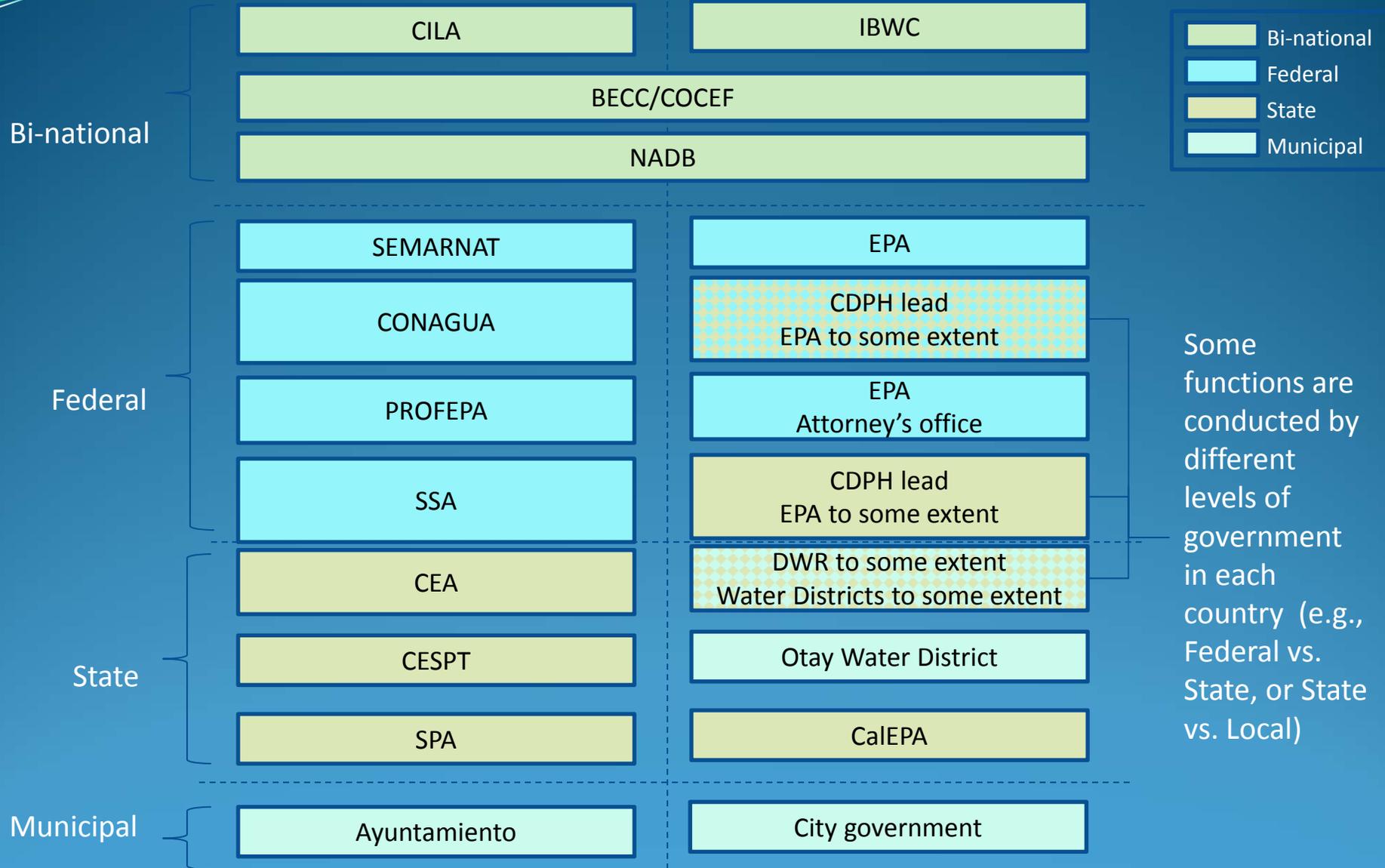
TEAM MEMBERS



Counterpart Agencies in Mexico / U.S.

MEXICO

USA



Facilities in Rosarito



**NSC AGUA
SWRO DESALINATION PLANT
PROPOSED SITE**

FIGURE 2

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Pilot Testing



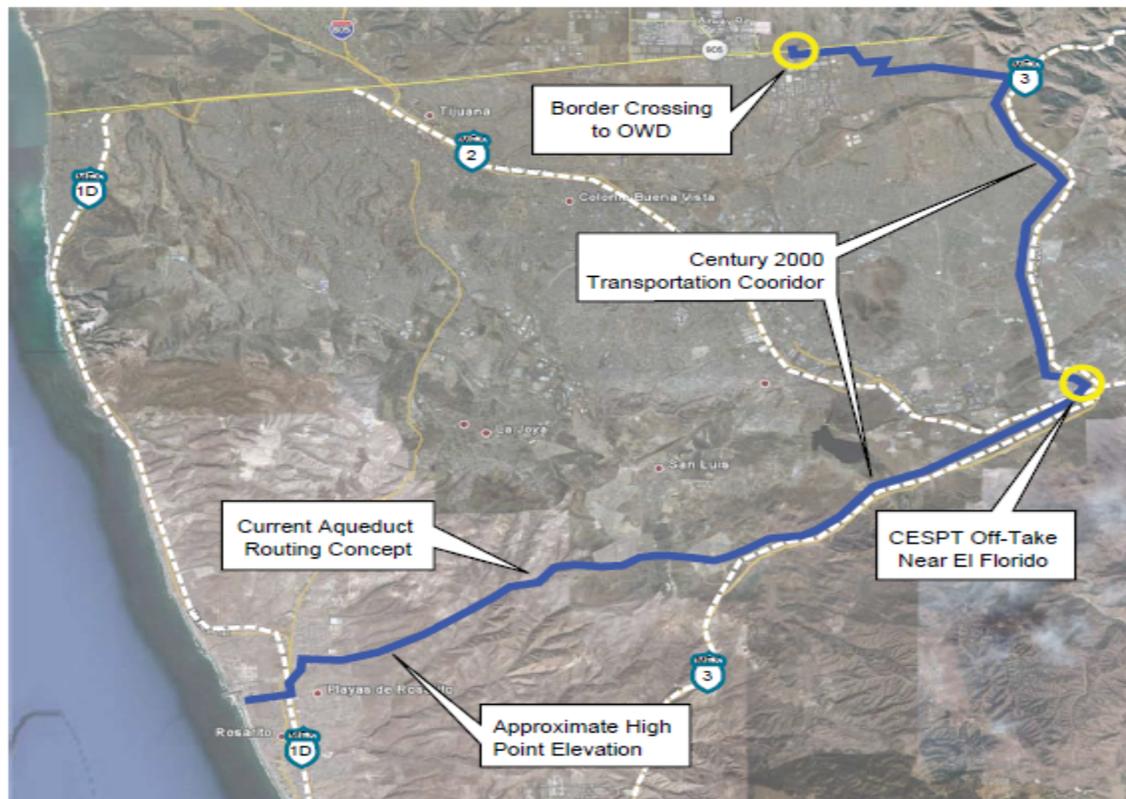
Pilot Testing



Rosarito Project Update (NSC Agua)



Pipeline From Rosarito to U.S. Border

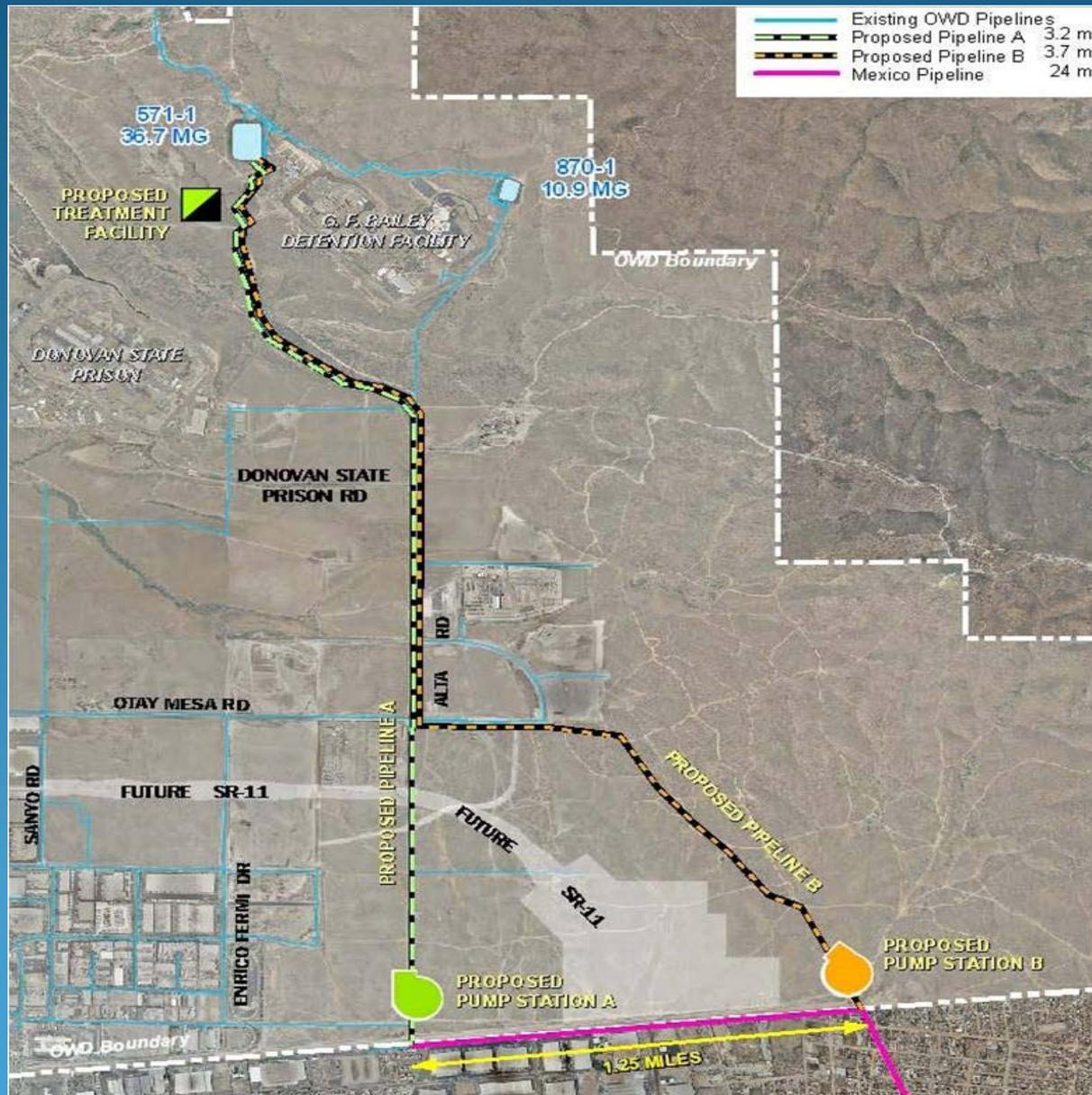


Rosarito to El Florido ~ 17 Miles
El Florido to U.S. Border ~ 8 Miles
Total ~ 25 Miles

**PROPOSED AQUEDUCT
ROUTING TO TIJUANA &
INTERNATIONAL BORDER**

FIGURE 8

Otay Mesa Conveyance and Disinfection Facility



COSTS OF FACILITIES

North of the Border

Treatment Scenario	Capital Costs
A. Disinfection treatment only in U.S., with a waiver of specific filtration req's through CDPH	± \$800,000
B. Full filtration and disinfection in U.S	± \$17,000,000
Conveyance 18,000 LF of a 54-inch pipeline	± \$20,000,000
Pump Station	± \$9,000,000

Rosarito Project Update (NSC Agua)

