



Pure Water North City Phase 1 Construction Projects  
Community Working Group Meeting 1 – Bay Park/Morena

**Date:** June 27, 2018

**Location:** North City Water Reclamation Plant

**Meeting Agenda**

4:30	Welcome	A. Dorman
4:35	Agenda Introductions	N. Hentschel
4:50	Working Group Overview Mission and Principles of Participation	N. Hentschel
5:20	Pure Water Program North City Phase 1 Projects	A. Dorman
5:50	<b>DINNER</b>	
6:20	North City Projects/Alignment in Bay Park/Morena	J. Long
6:45	Construction Topics/Contract Documents	S. McCarty
7:00	Informational Construction Topic #1 Overview: <i>Coordination Between Projects</i>	S. McCarty
7:20	Informational Construction Topic #2 Overview: <i>Street Restoration</i>	S. McCarty
7:40	Public Comment	N. Hentschel
7:55	Closing and Next Steps	N. Hentschel

# Pure Water San Diego Phase 1 Bay Park/Morena Working Group: Meeting 1

June 27, 2018

# Meeting Objectives

- Provide the necessary information to allow you to gain a clear understanding of the following:
  - *Purpose and role of the Working Group in the bid specification identification process*
  - *Context of the Pure Water Program and the Phase 1 projects*
  - *Pipeline alignment specific to your community*
  - *Construction topics that will be reviewed and/or discussed during the meetings*
- Present on two construction topics

- Welcome
- Agenda/Introductions
- Working Group Overview/Mission and Principles of Participation
- Pure Water Program/North City Phase 1 Projects

## DINNER

- North City Projects/Alignment in Bay Park/Morena
- Construction Topics/Contract Documents
- Informational Construction Topic #1 Overview:  
*Coordination Between Projects*
- Informational Construction Topic #2 Overview:  
*Street Restoration*
- Public Comment
- Closing and Next Steps

- **Introductions: Who is in the room?**
  - **Project team introductions**
  - **Working Group introductions**

## ■ Mission

- Provide informed input and feedback regarding opportunities to avoid, minimize or mitigate potential impacts from the construction of planned North City Phase I projects
- Assist with implementing the conditions that are part of the approved site development permit
- The Working Groups are not being established to:
  - Reopen issues addressed in the adopted EIR approved by City Council
  - Consider alternative alignments

## ■ Role of Working Group Members

- Become familiar with the Pure Water Program and how it fits into the larger regional water supply program
- Become familiar with North City Phase I projects and the City's plan for construction
- Ensure that community concerns regarding the construction of the North City Phase I projects are identified and understood by the City
- Propose ways to avoid, minimize or mitigate concerns associated with the construction and operation of North City Phase I projects and implement the conditions set forth in the approved site development permit

- **Role of Working Group Member (Cont.)**
  - Read all agenda and background materials distributed prior to the meetings by the project team
  - Listen carefully to others; the Working Group will function best when we understand and value one another's views and experiences
  - Help create a respectful and productive working environment





# Principles of Participation

## ■ Representation

- Willingness to work cooperatively with other Working Group members
- Demonstrated ability to present the perspective of an organization or constituency concerned with issues related to the construction of the approved projects
- Commitment to attending all scheduled Working Group meetings



# Principles of Participation

## ■ Role of the Public/Observers

- Meetings are primarily intended for the benefit of Working Group members to promote balanced, constructive interaction.
- Members of the Public are welcome:
  - To observe the meetings
  - Provide comment at the end of each meeting
- Commenters are asked to limit their statements to three minutes or less.

## ■ Discussion Process

- All perspectives are valued
- One person speaks at a time
- Comments should be concise and constructive so that others can also speak
- The preferred deliberation process is collaborative problem solving. In cases of mixed opinions, alternative perspectives will be documented
- Working Group members treat the project team and each other with respect
- A neutral third-party will facilitate the meetings

# Principles of Participation

- **Attendance**
  - Full participation of representatives is essential
  - Commit to attend all scheduled meetings
- **Meeting Agendas**
  - Distributed the Friday before the meeting
- **Media**
  - Members, City staff and consultants are asked not to make statements about the group's deliberations to the media that would hamper constructive discussions and the Group's ability to work cooperatively
- **Audio Recording**
  - For the purpose of developing a meeting summary
- **Information Sharing**
  - Share information and documents through the Group's point of contact

# **Working Group Overview**

## ■ **Meeting Series Schedule**

Meeting	Date and time	Location
1	Wednesday, June 27 4:30 – 8 p.m.	North City Water Reclamation Plant
2	Thursday, July 19 4:30 – 8 p.m.	South Clairemont Recreation Center
3	Wednesday, Aug. 1 4:30 – 8 p.m.	South Clairemont Recreation Center
4	Thursday, Aug. 23 4:30 – 8 p.m.	South Clairemont Recreation Center

# Pure Water San Diego Program & Phase 1 Projects Overview

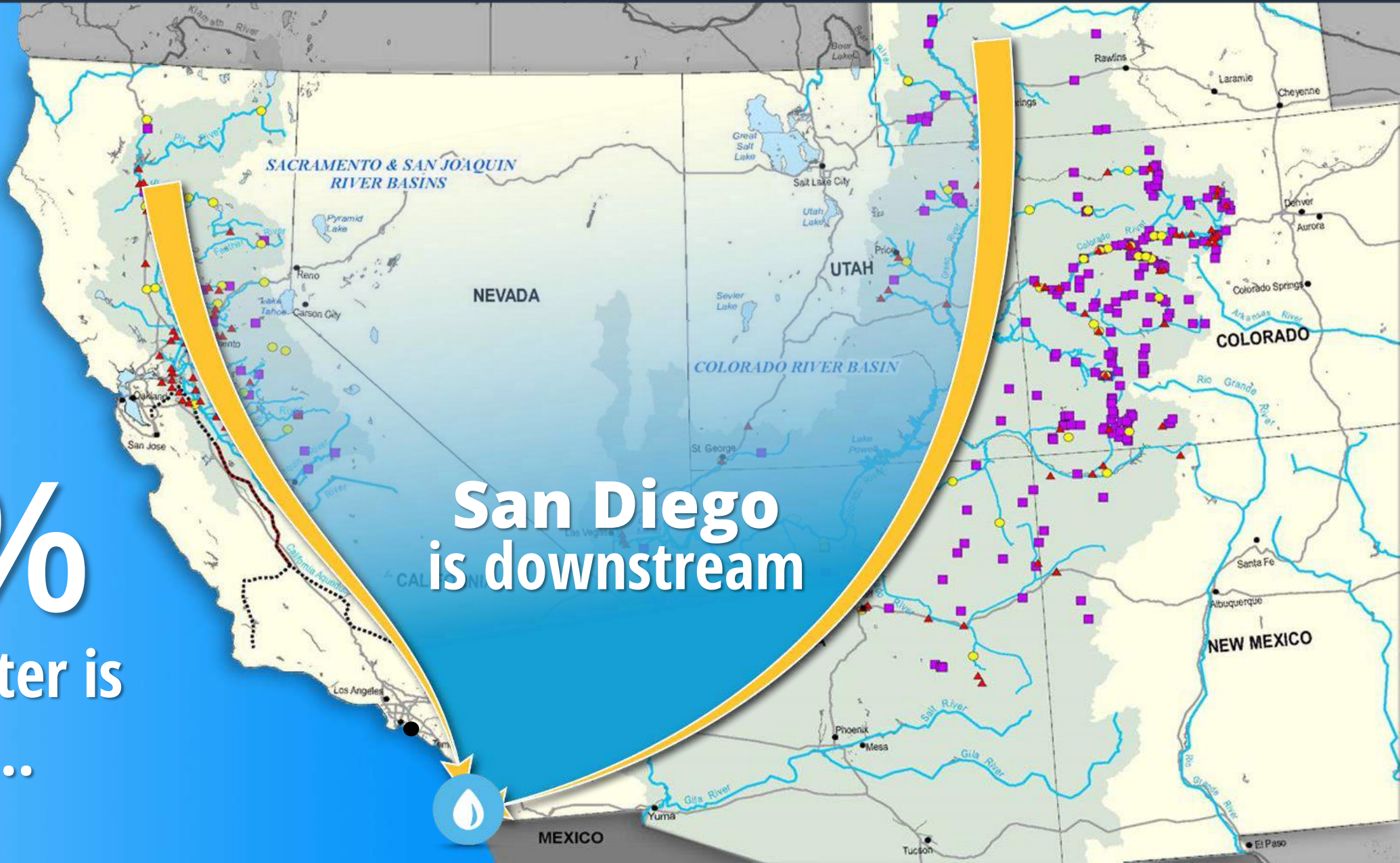
Amy Dorman



# San Diego's Water Supply

85%  
of our water is  
imported...

San Diego  
is downstream





# We Face Numerous Water Challenges

*Imported water cost per acre-foot*



- Limited local & imported supplies
- Population growth
- Bay Delta constraints
- Natural disaster risk
- Rising imported water costs
- Recurring drought



# Multi-faceted Approach

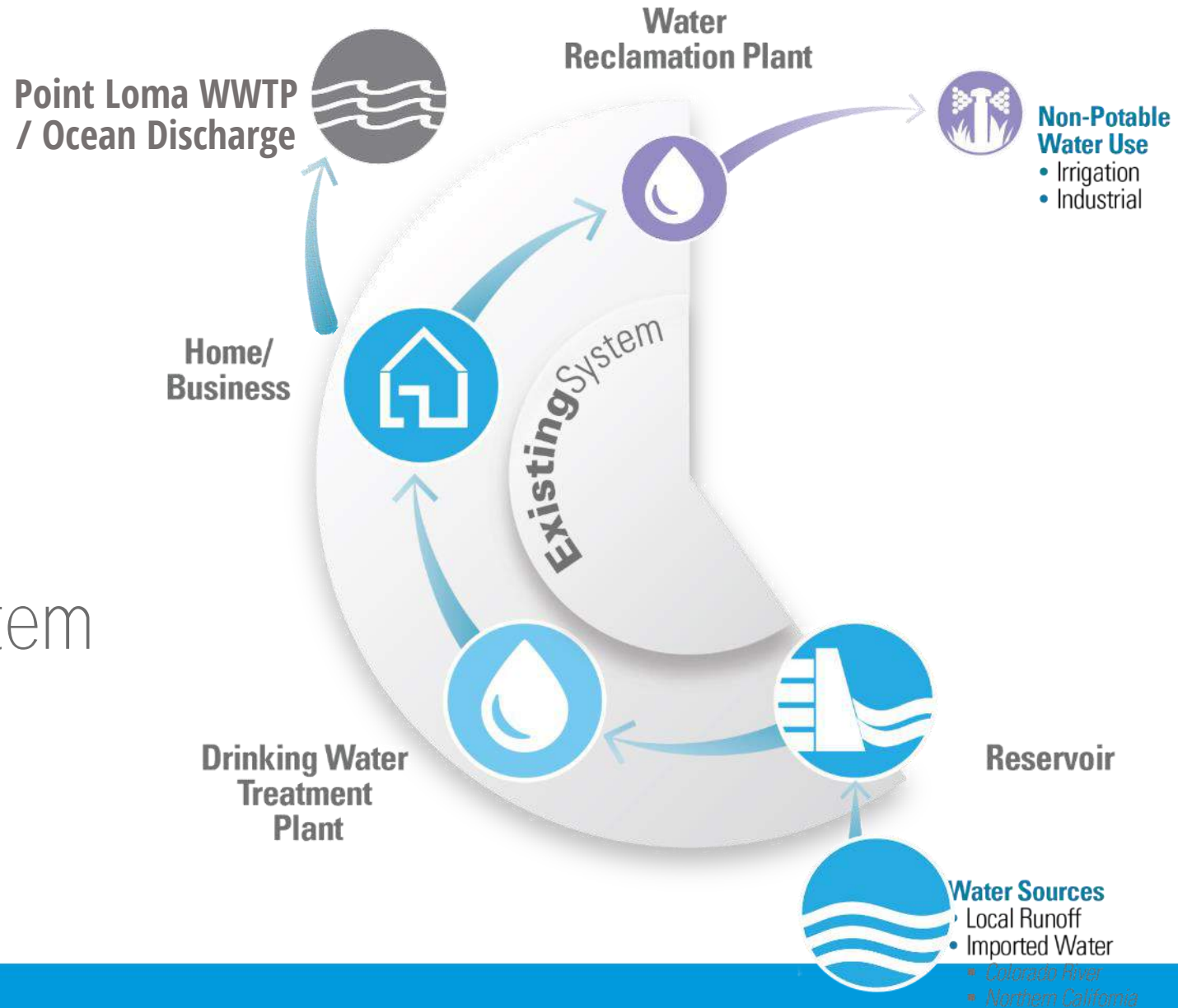


- Conservation
- Desalination
- Groundwater Development
- Recycled Water
- Pure Water Program

# San Diego's Water Supply System

## Existing System...

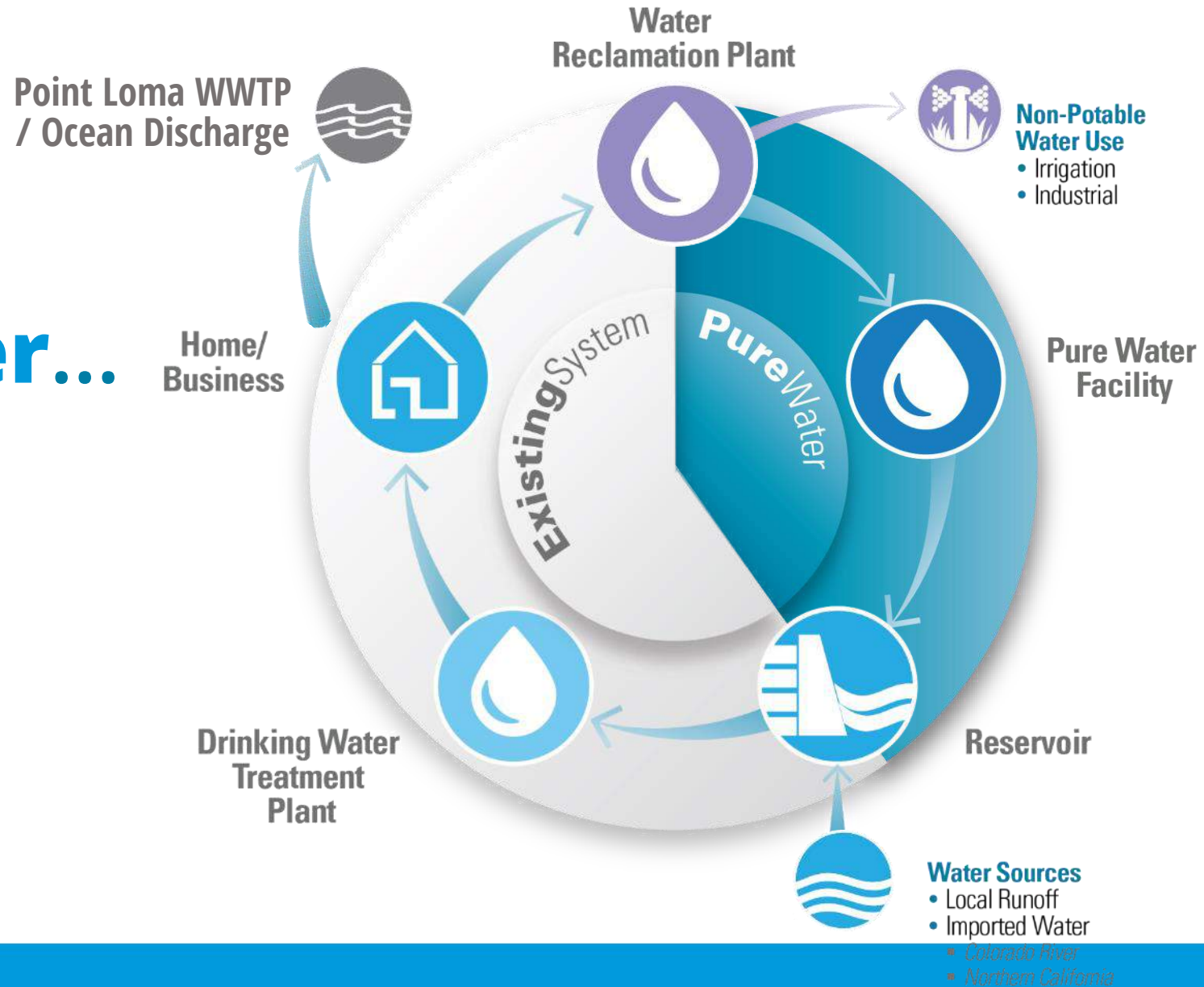
Primarily a  
Single-Use System



# San Diego's Water Supply System

## Pure Water...

Completes Our  
Water Cycle





# Pure Water Runs a Successful Demonstration Facility



- 30,000 lab tests: **Met all standards**
- Water quality: **Exceptional**
- Energy use: **Renewable**

**Pure Water**  
will produce  
**1/3**  
of your water  
locally

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### **Phase 1**

- 2021 Completion
- 30 mgd
- North City PWF to Miramar

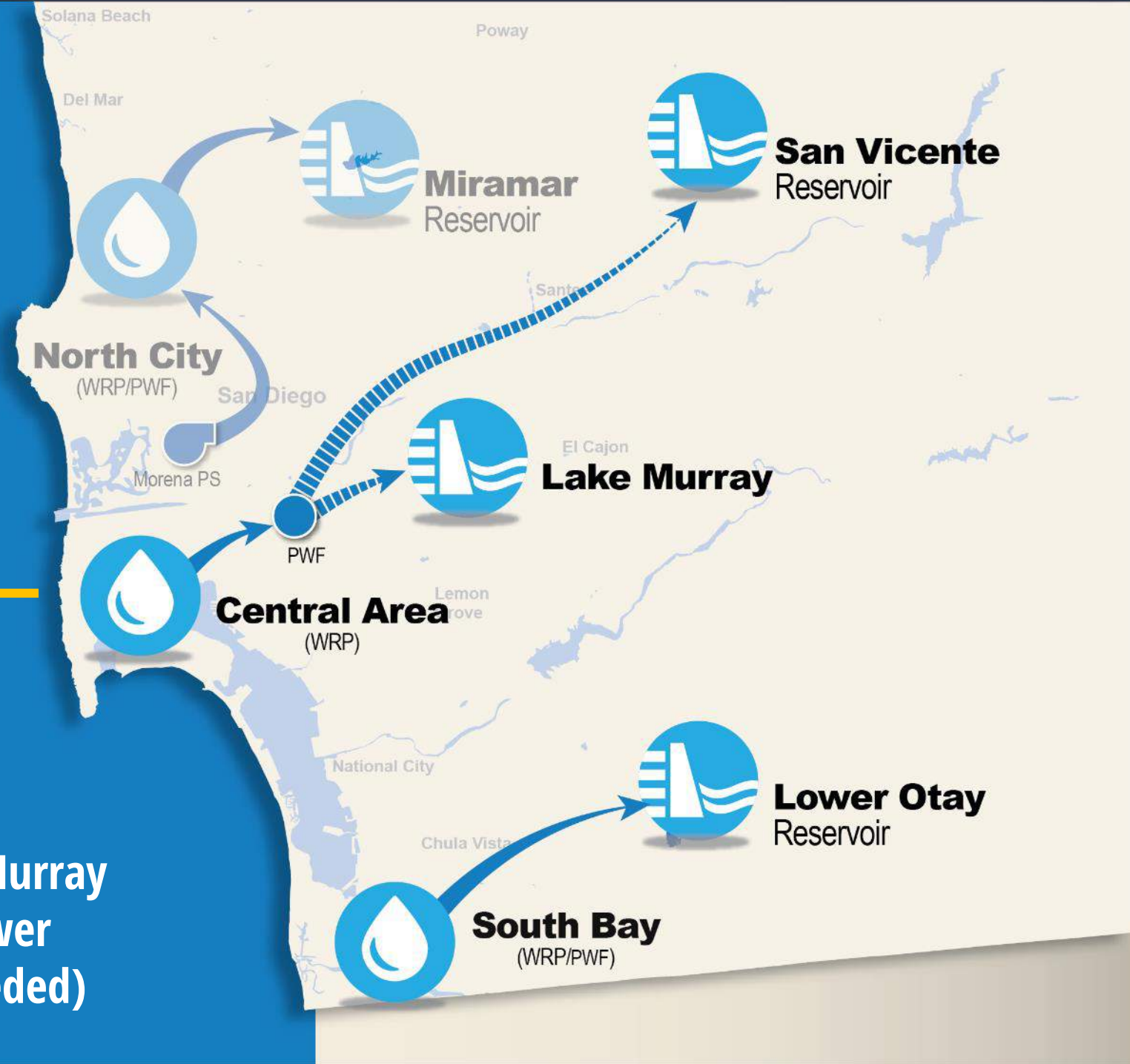


**Pure Water**  
will produce  
**1/3**  
of your water  
locally

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### Phases 2 & 3

- 2035 Completion
- 53 mgd
- Central Area PWF to San Vicente or Lake Murray
- South Bay PWF to Lower Otay Reservoir (if needed)





# Morena Pump Station & Wastewater Pipelines



- Two 10.7 mile wastewater pipelines
  - *Convey wastewater to North City Water Reclamation Plant (WRP) and salts and contaminants to the Point Loma Wastewater Plant*
- Support Phase I Pure Water and recycled water production
- Design completion: Mid 2018
- Construction: 2019 – 2021





# North City WRP Expansion

Pure Water  
Facility



NCWRP



Morena Pipelines

- Treats wastewater to recycled water standards
- Expansion nearly doubles the amount of recycled water produced to meet needs of:
  - *Pure Water Facility*
  - *Recycled Water System*
- Design Completion: Mid 2018
- Construction: 2019 - 2021







# North City Pure Water Facility

Pure Water  
Facility



NCWRP



- Treats recycled water to produce 30 million gallons of purified water per day
- Includes a proven 5-step advanced water purification treatment process
- Design Completion: Mid 2018
- Construction: 2019 – 2021







# North City Pure Water Facility



Ozonation



Biological  
Activated  
Carbon  
Filters



Membrane  
Filtration



Reverse  
Osmosis

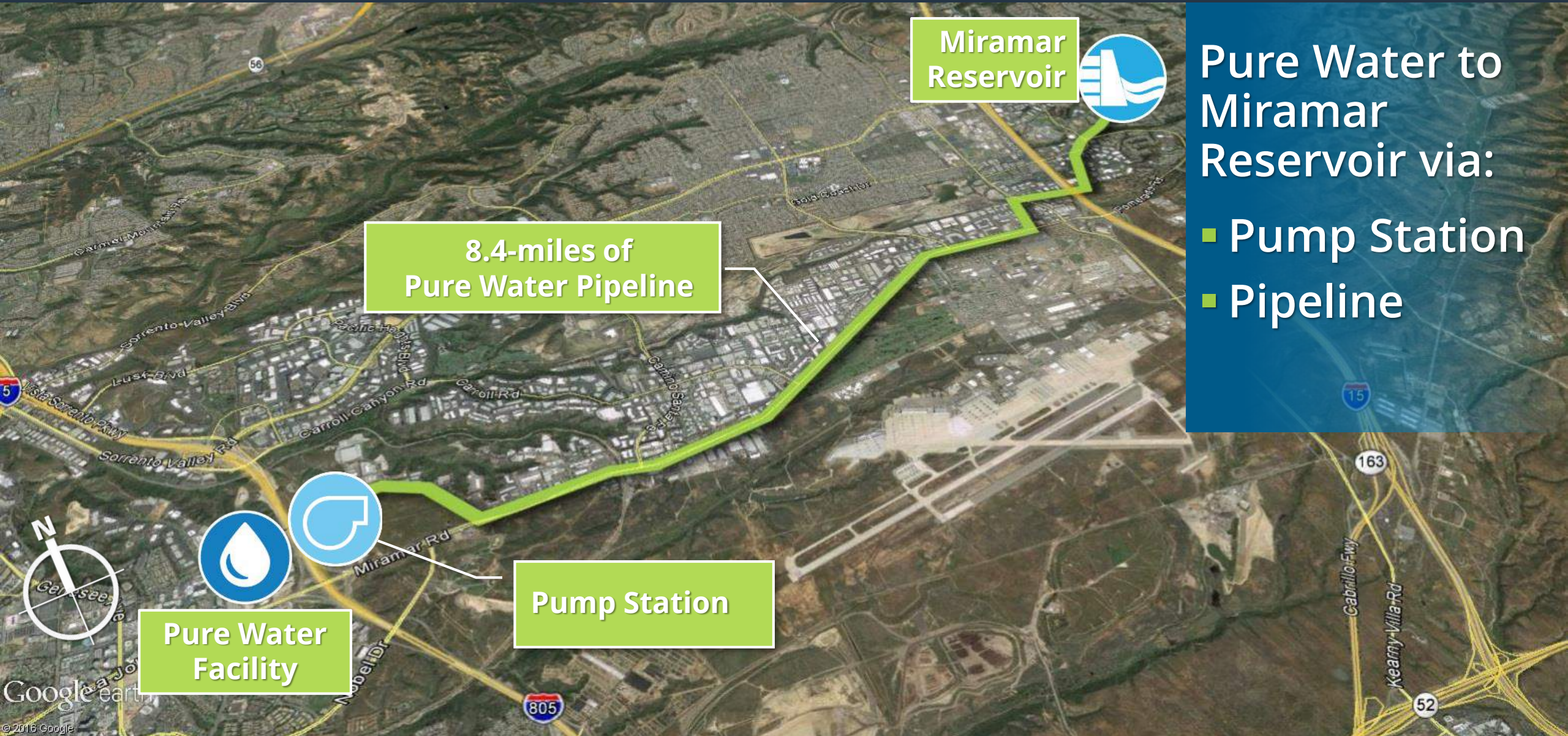


Ultraviolet  
Disinfection  
/Advanced  
Oxidation



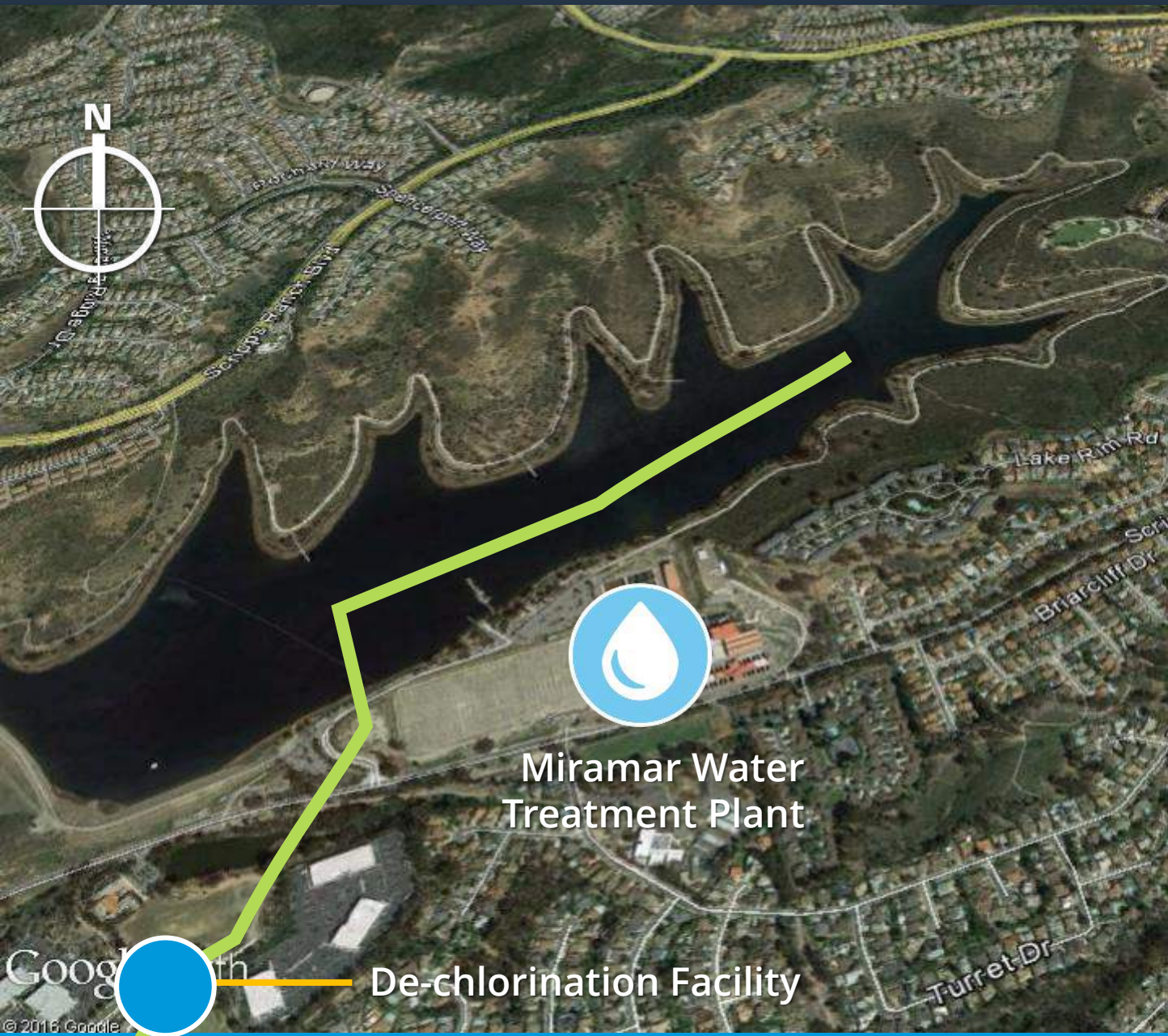


# North City Pure Water Pump Station and Pipeline





# SD Miramar Reservoir



The purified water:

- Is released via underwater pipeline in the reservoir
- Will blend with imported and local water supplies
- Design Completion: Late 2018
- Construction: 2019 - 2021



# SD North City Renewable Energy



Pure Water



Renewable Energy



Miramar Landfill



Metro Biosolids Center

Produces Renewable Energy

- Supports Greenhouse Gas reduction
- ~16 MW





# Morena Pump Station & Pipelines Bay Park/Morena Community Alignment Overview

Joe Long

# **Working Group Topics**

- 1. Multiple disruptions and project coordination**
- 2. Street restoration**
- 3. Air quality/odor/noise**
- 4. Staging areas/parking**
- 5. Environmental monitoring**
- 6. Traffic control/signage**
- 7. Special stakeholder access needs**
- 8. Outreach, communication and notifications**
- 9. Work restrictions and construction phasing**
- 10. Working days and hours**
- 11. Construction monitoring**

# Morena Project Pipeline Alignment

## Bay Park/Morena Community:

- Sherman Street to W. Morena Boulevard to Jellett Street to Denver Street to Clairemont Drive (at Iroquois Avenue)

### Legend:

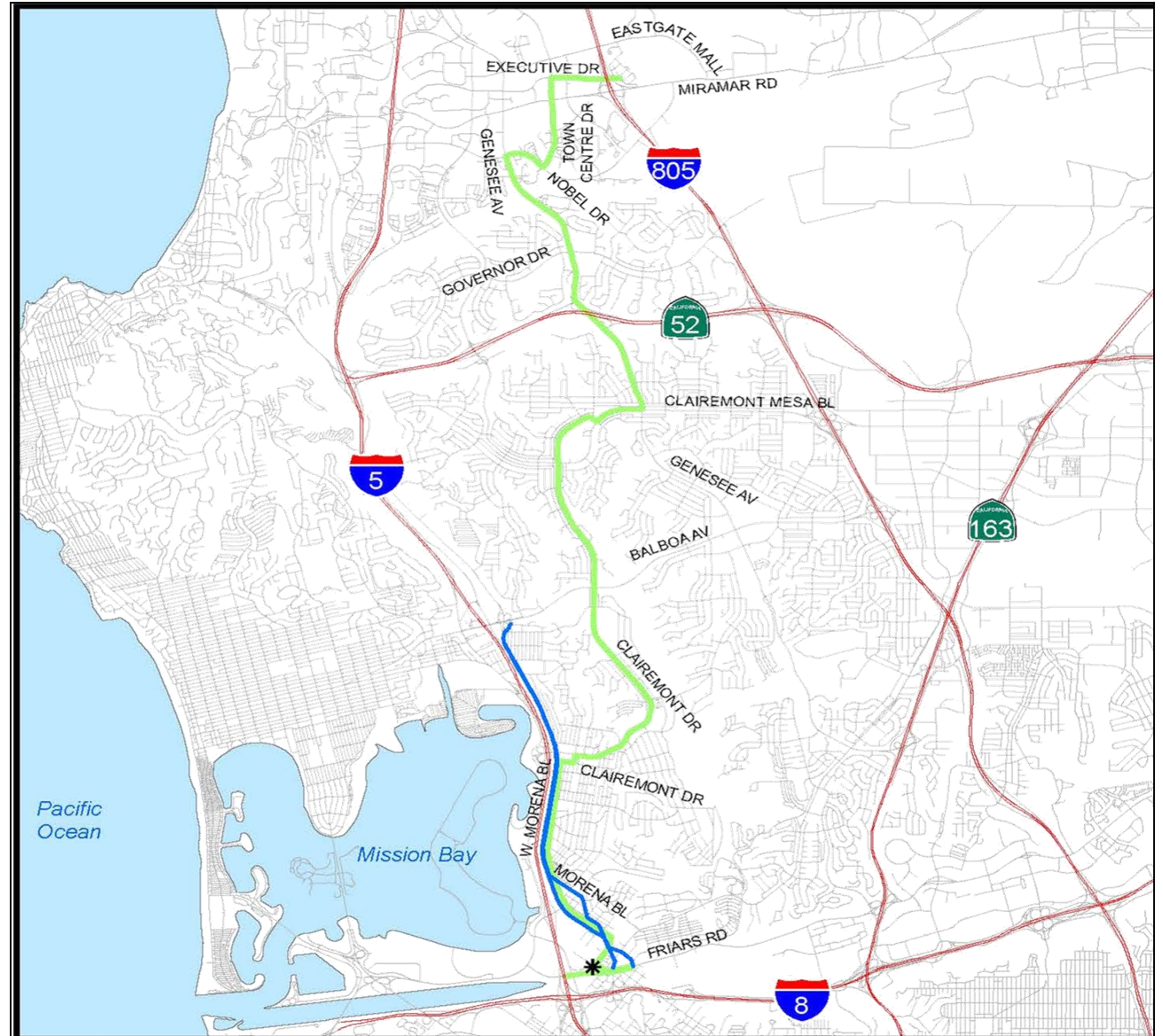
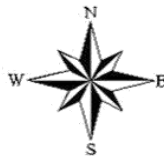
Morena Wastewater Pipelines



Morena Pump Station



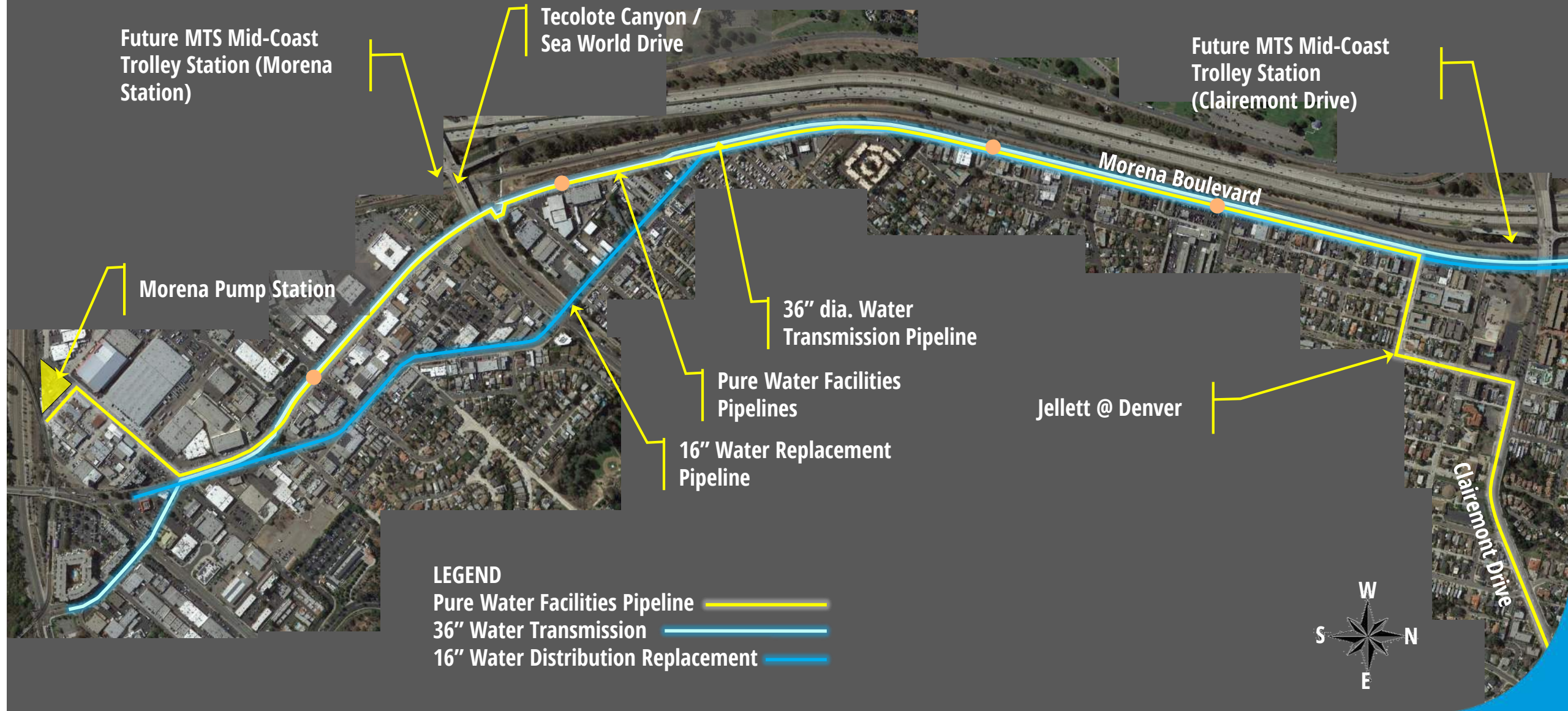
Morena Water Pipelines







# Bay Park/Morena Community







# Bay Park/Morena Community



Future MTS Mid-Coast  
Trolley Station  
(Clairemont Station)

I-5 Clairemont Drive  
Interchange

Future MTS Mid-Coast  
Trolley Station (Balboa  
Station)

Morena Boulevard

Clairemont Drive

Jellett at Denver Street

Clairemont High School

Balboa Avenue

## LEGEND

Pure Water Facilities Pipeline

36" Water Transmission

16" Water Distribution Replacement

# Construction Topics & Contracts Documents

Sean McCarty

# **Working Group Meeting Topics**

- 1. Multiple disruptions and project coordination**
- 2. Street restoration**
- 3. Air quality/odor/noise**
- 4. Staging areas/parking**
- 5. Environmental monitoring**
- 6. Traffic control/signage**
- 7. Special stakeholder access needs**
- 8. Outreach, communication and notifications**
- 9. Work restrictions and construction phasing**
- 10. Working days and hours**
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- **Site Development Permit No. 2092309**

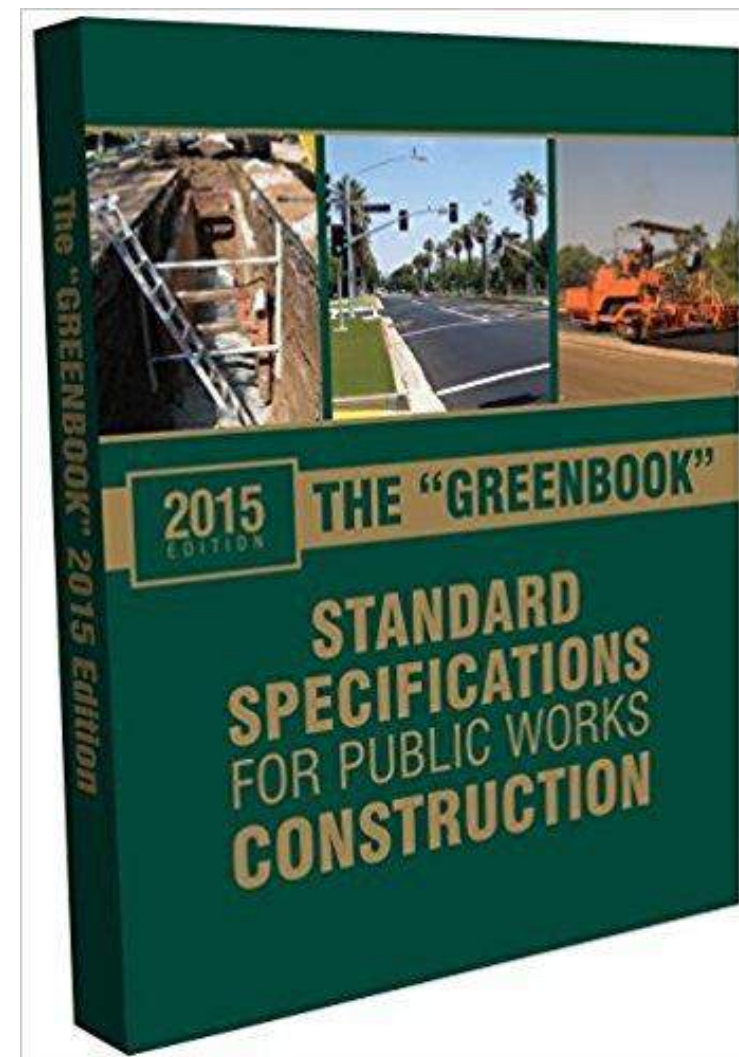
*Pure Water North City Project specific permit granted by the City Council*

- Requirement Topics include, but are not limited to: Standard Items, Environmental/Mitigation, Climate Action Plan and Engineering

- **Standard Specifications for Public Works Construction “Greenbook”**

*Standard Public Works construction guidelines adopted for use by over 200 cities/counties and agencies*

- Chapters include, but are not limited to: General Provisions, Construction Materials, Construction Methods





- **Standard Specifications for Public Works Construction “Whitebook”**

*City of San Diego supplement to the “Greenbook”*

- Provides more detail and requirements to those topics specified in the Greenbook

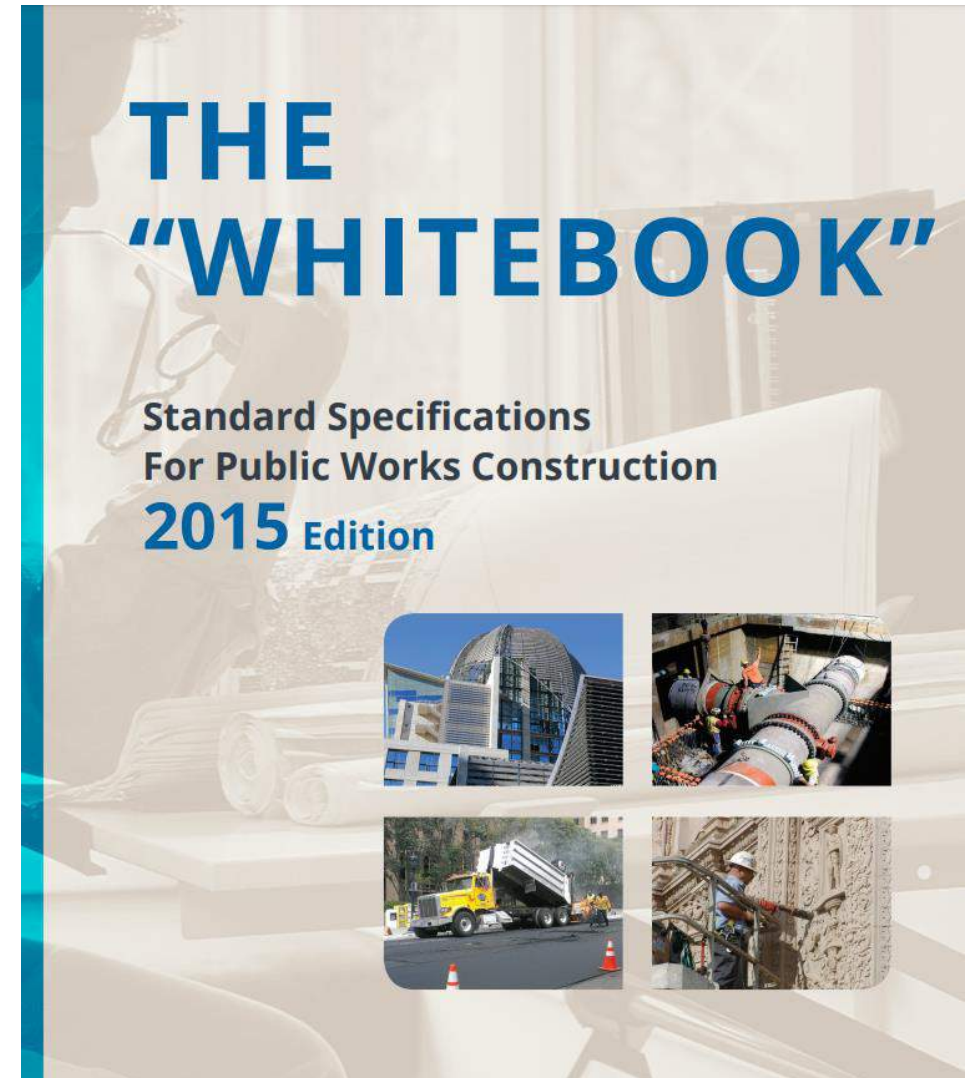
- **City of San Diego Supplementary Special Provisions “SSP”**

*Project specific contract requirements to supplement the “Whitebook”*

- **Project Plan Drawings**

*Project specific engineering and construction details*

- Details include pipeline plan and profiles, survey, traffic control, etc.





# Construction Contract Documents Requirements

- The City is required to follow a minimum set of construction standards that are outlined in the contract documents. These are detailed in the 11 x 17 handout provided.
- Some examples of standard construction requirements include:
  - *Noise: Construction hours beyond 7 p.m. requires obtaining a noise permit from the Development Services Department. Work hours with public right-of-way are established by Average Daily Traffic (ADT) counts.*
  - *Schedule Restrictions: Work hours established by ADTs and specified in SSP and traffic control plans. Other work restrictions that are project specific are included in the SSP.*
  - *Other Items: Traffic control and circulation, trench and roadway restoration, landscape restoration, etc.*
- Construction and mitigation requirements that the City already has in place will be discussed in detail at future meetings.

# Meeting 1 Construction Topics: Coordination Between Projects and Street Restoration

Sean McCarty





# **Coordination Between Projects**

- **The City has combined the construction of the Morena Waterlines Project with the Morena Conveyance Project to reduce community impacts**
- **The City coordinates with the SANDAG Project periodically to mitigate schedule conflicts if they arise**
- **The City monitors Capital Improvement Projects monthly to identify potential conflicts with upcoming projects to avoid impacting a community with a new project shortly after completion**
- **Monitoring progress of the Draft Morena Corridor Specific Plan**

# SD Street Restoration

- **Goal: Provide a serviceable and lasting roadway surface after construction is completed.**
- **What are we doing to achieve goal:**
  - *Providing curb to curb pavement restoration along the alignment*
  - *Upgrading existing pedestrian curb ramps to meet current ADA standards along the alignment*
  - *3-5 year road moratorium will be in place depending on surface technique*
  - *Coordinating with agencies/companies outside of the City to notify them of the road moratorium (SANDAG, SDG&E, Cox Communications, etc.)*

