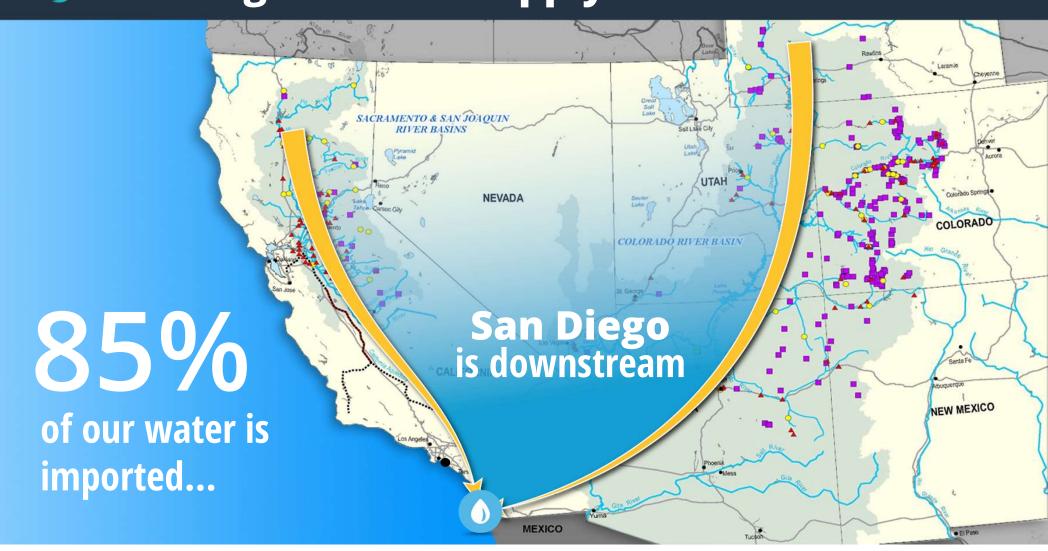




### **San Diego's Water Supply**



### **SD** We Face Numerous Water Challenges



**Limited local & imported supplies** 



**Population growth** 



**Bay Delta constraints** 



Natural disaster risk



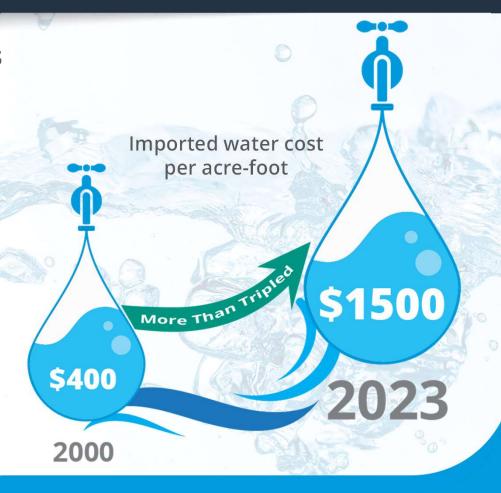
Rising imported water costs



**Recurring drought** 



**Climate Change** 





# Multi-faceted Approach



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



### What is Pure Water San Diego?

### **Pure Water will:**

Provide nearly 1/2 of San Diego's water supply



Provide a reliable, sustainable water supply



Produce safe, high-quality drinking water



Offer a cost-effective investment for San Diego's water needs

### San Diego's Water Supply System

**Reclamation Plant Point Loma WWTP** Non-Potable Water Use / Ocean Discharge Irrigation **Existing**  Industrial **System...**Primarily a
Single-Use System Existing System Home/ **Pure Water Business Facility Pure Water.. Completes Our Drinking Water** Reservoir **Water Cycle** Treatment **Plant** Water Sources Local Runoff Imported Water Northern California

Water

Pure Water will produce nearly

1/2
of your water locally

### Phase 2

- 53 mgd
- Central Area PWF to San Vicente or Lake Murray



### Pure Water Runs a Successful Demonstration Facility





More than 50,000 lab tests: **Met all standards** 





### **Demonstration Facility Virtual Tour**

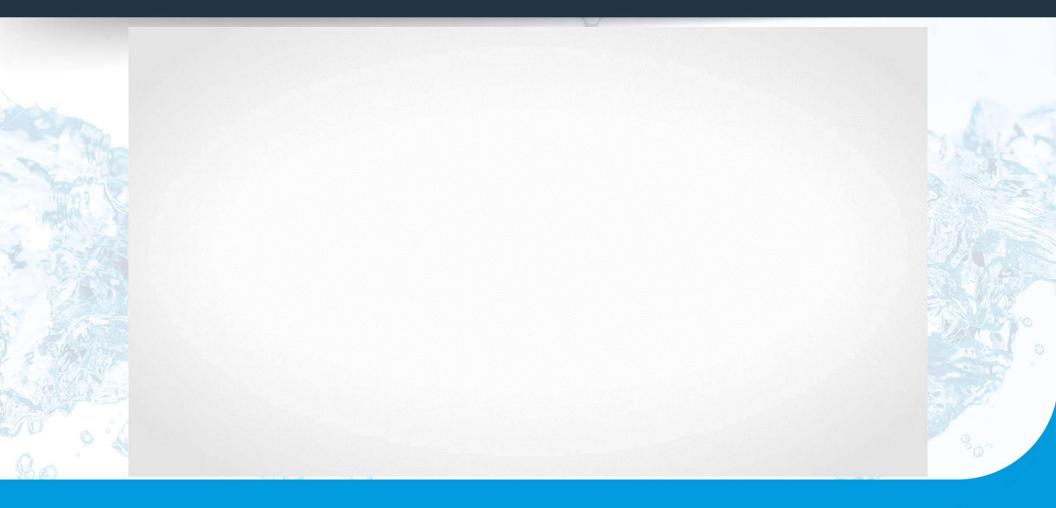
Learn all about the five-step process from members of the **Pure Water team by viewing** the Pure Water Virtual Tour at one of the links below.

- virtualtour.purewatersd.org
- YouTube.com/PureWaterSD



City of San Diego Pure Water Demonstration Facility Virtual Tour 295 views • May 7, 2020

# Virtual Construction Tour Video



# **SD** Phase 1 Projects



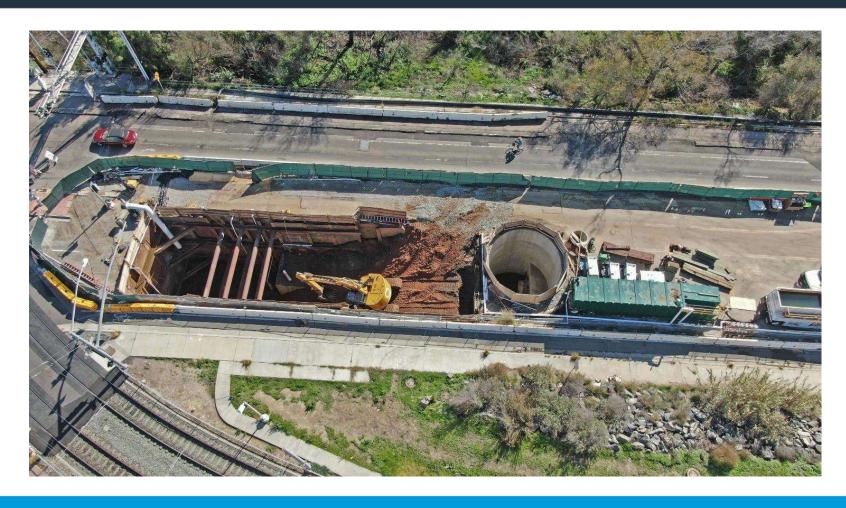


# **Phase 1 Projects Timeline**

Phase 1 North City Pure Water Project (listed by start date)	Construction Start
Early Works at the North City Water Reclamation Plant	2019
North City Pure Water Facility and Pump Station	April 2021
North City Pure Water Pipeline	June 2021
Morena Pipelines Northern Alignment and Tunnels	June 2021
Morena Pump Station	June 2021
North City Water Reclamation Plant Expansion	August 2021
Metropolitan Biosolids Center Improvements	September 2021
Miramar Reservoir Automated In-Water Quality Monitoring System	October 2021
North City Water Reclamation Plant Flow Equalization Basin	December 2021
Morena Pipelines Southern and Middle Alignment	October 2022
Miramar Reservoir Pump Station Improvements	October 2022
Peñasquitos Pump Station Oxygenation System	February 2023



# Morena Pump Station





# North City Pure Water Facility





# North City Water Reclamation Plant





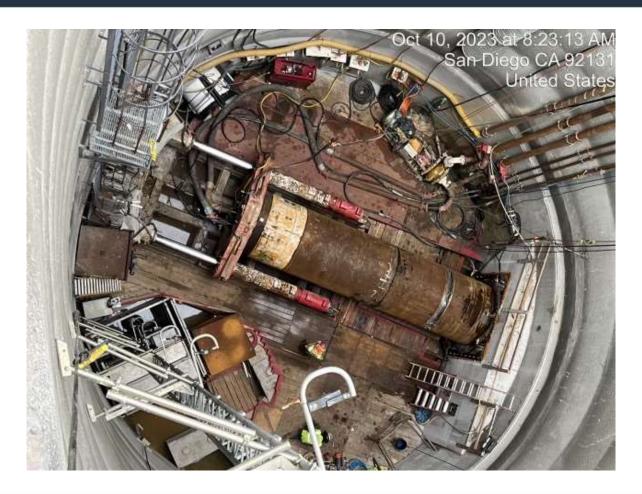
# **Metropolitan Biosolids Center**



# **SD** North City Pure Water Pipeline



# North City Pure Water Pipeline





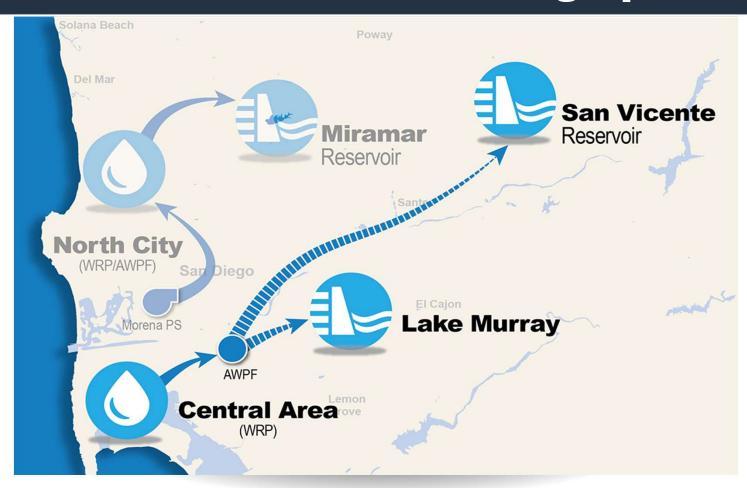


# **SD** North City Pure Water Pipeline





# Phase 2 Central Area Planning Update





### **Sustainability is Key**





Pure Water provides the City with a safe, local, reliable and sustainable water supply.



# **SD** Who Supports Pure Water?































































# What Can I Do?

The City of San Diego continues to provide safe, high quality drinking water for its customers each and every day.

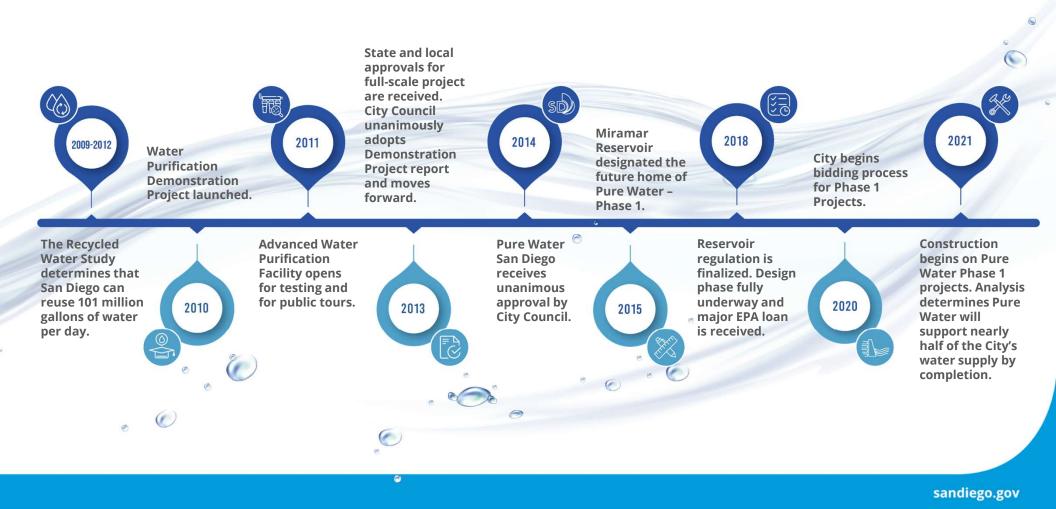


@PureWaterSD

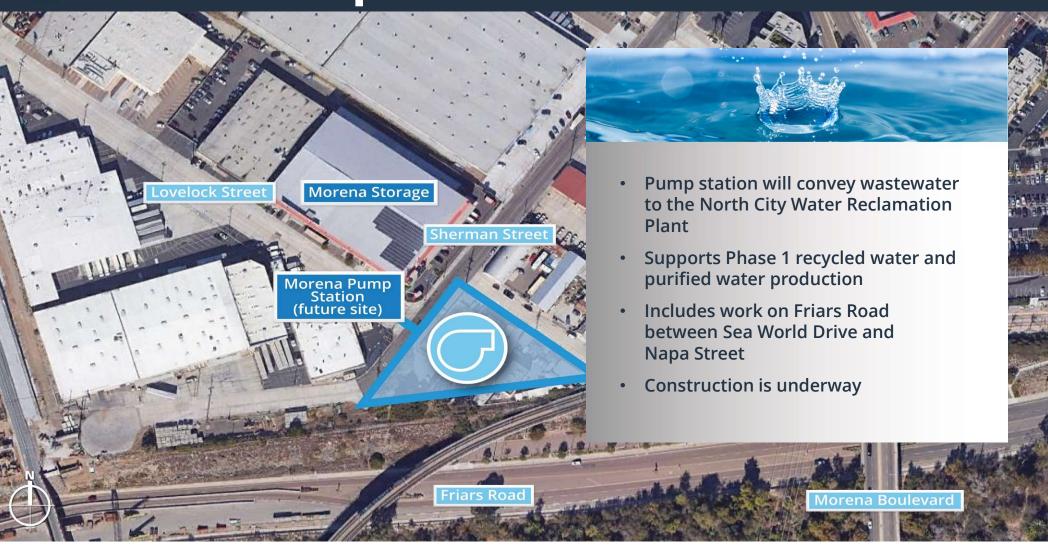
Visit purewatersd.org to learn more about the Pure Water Program.

# **Back-Up Slides**

### **5D** Pure Water San Diego Potable Reuse Timeline





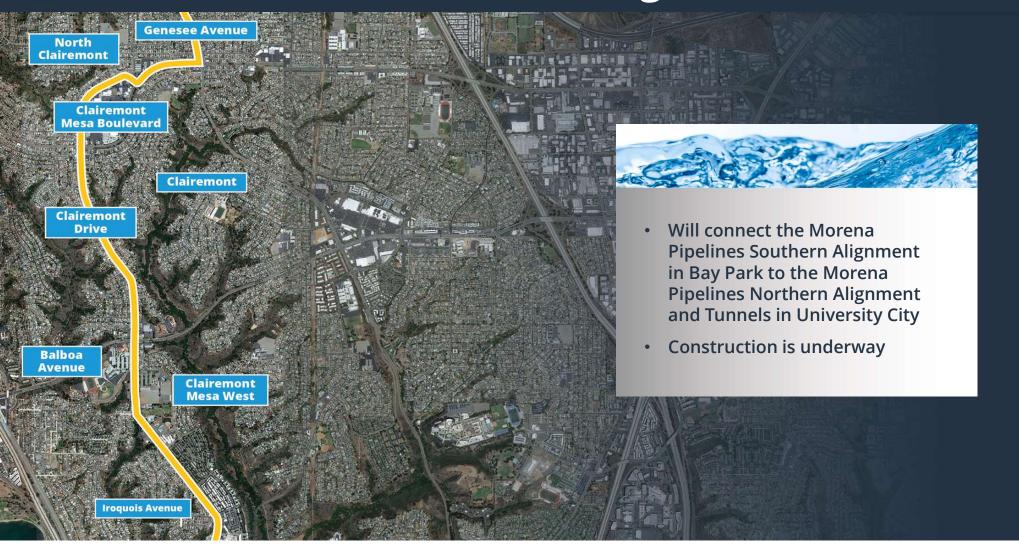


### Morena Southern/Middle Alignment

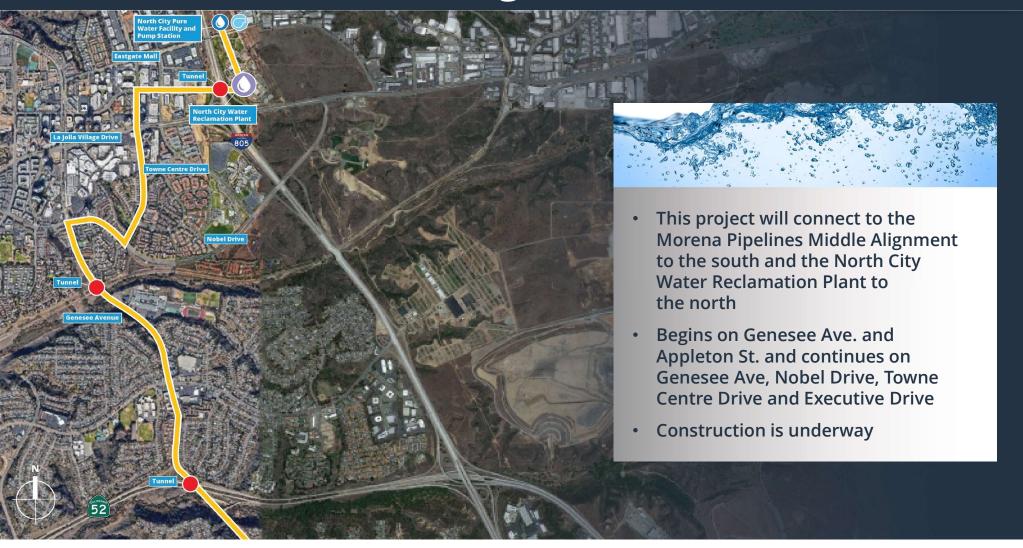




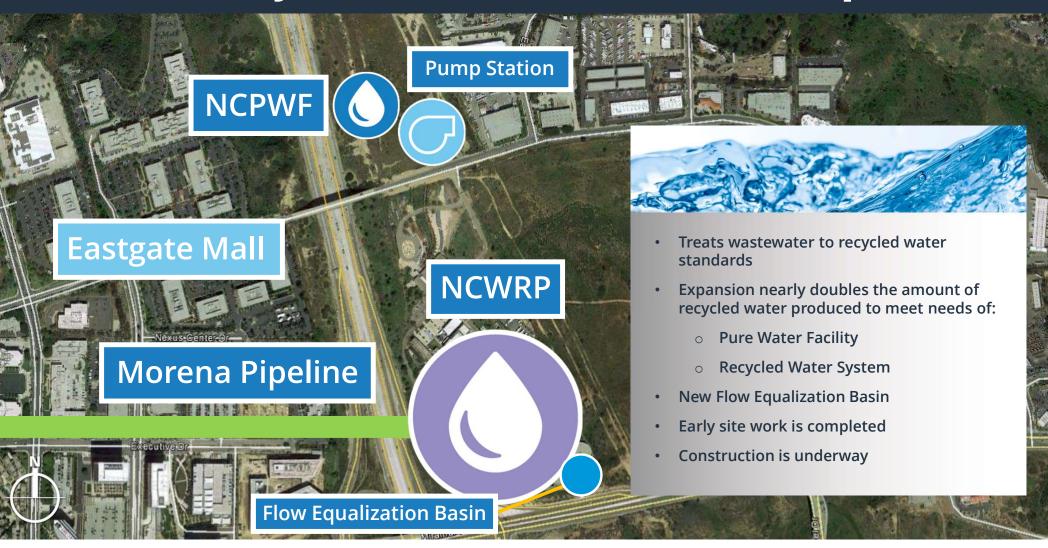
### Morena Southern/Middle Alignment



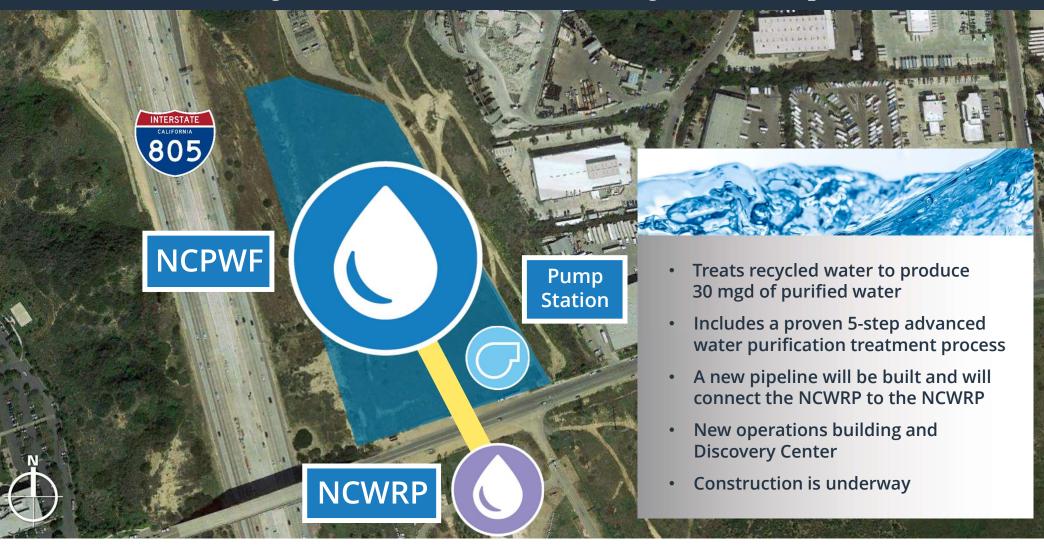
### Morena Northern Alignment & Tunnels



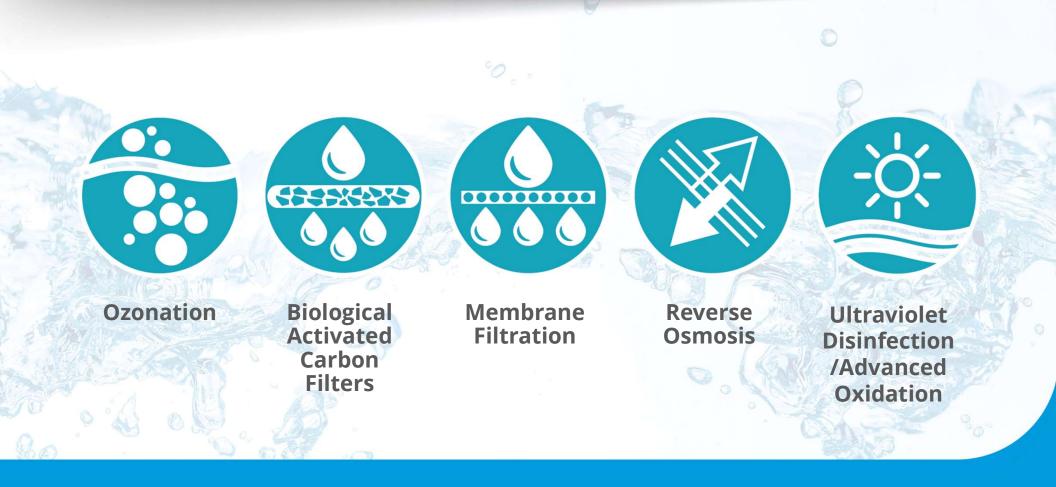
### **SD** North City Water Reclamation Plant Expansion



### **SD** North City Pure Water Facility & Pump Station



# North City Pure Water Facility





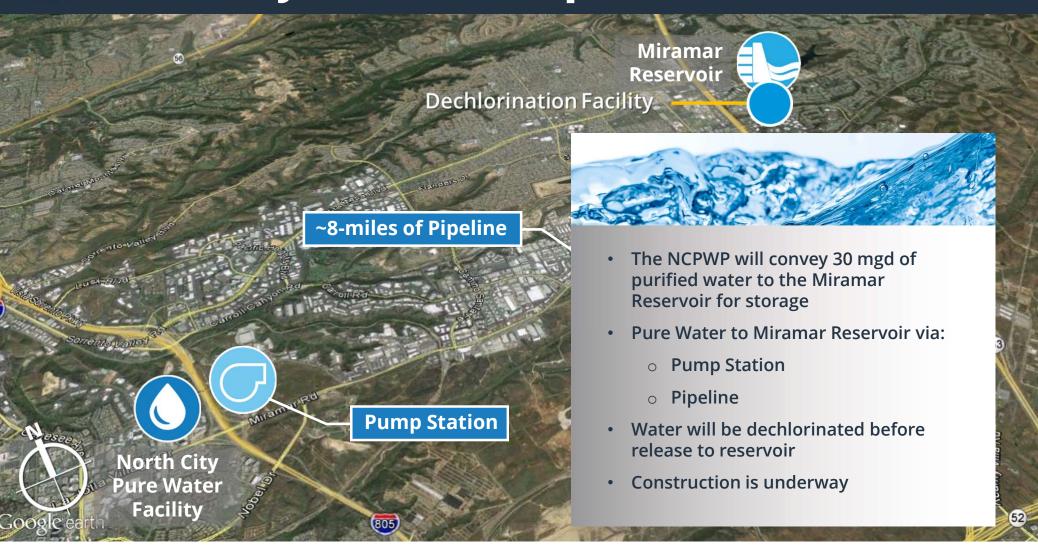
### Metropolitan Biosolids Center

- Regional biosolids facility that receives and processes solids from both the North **City Water Reclamation** Plant (NCWRP) the Point Loma Wastewater **Treatment Plant**
- The NCWRP will undergo an expansion, upgrades and improvements, increasing biosolids flows and loadings to the Metropolitan **Biosolids Center**
- Construction is underway

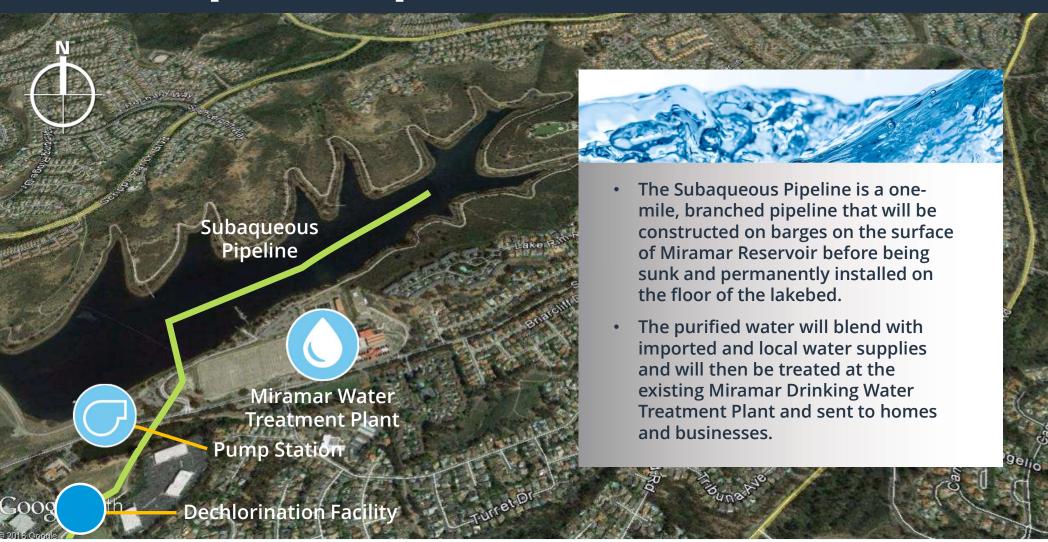


### SD

### **North City Pure Water Pipeline**



# **Subaqueous Pipeline**



# Miramar Reservoir Pump Station Improvements

