



# Welcome to the Advanced Water Purification Facility

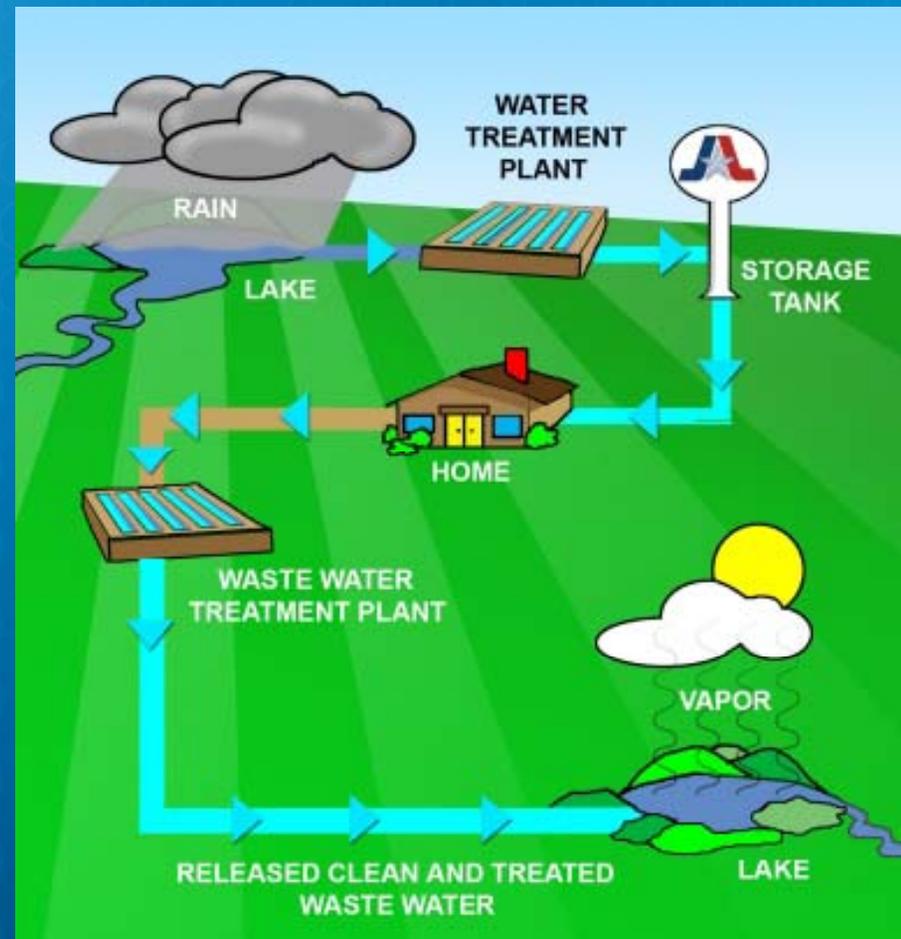
# Today you will learn...

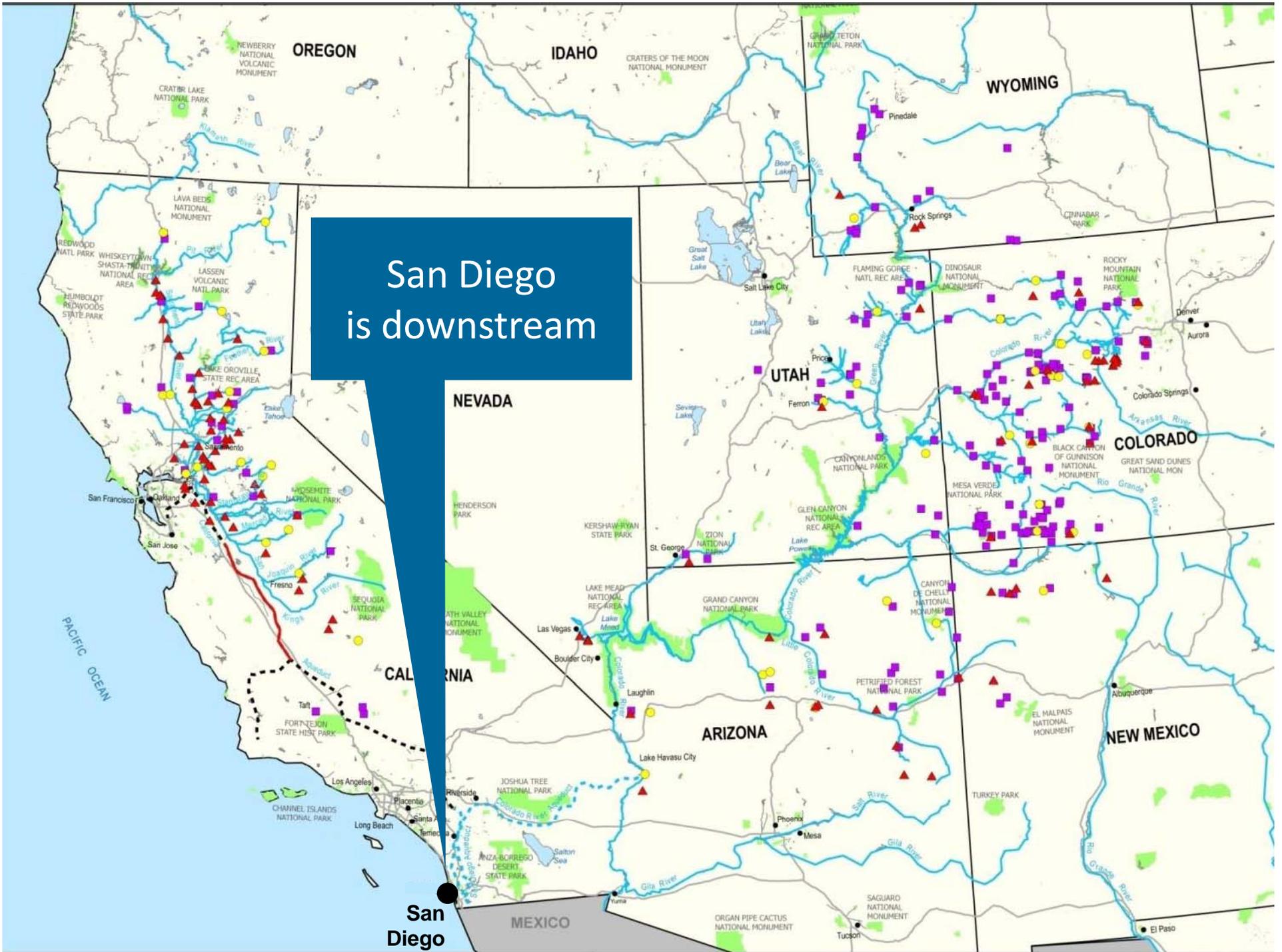
- San Diego needs water
- How water is cleaned
- A new way to get clean drinking water



## Some Questions for You...

- How does water get to your home?
- Where does it go after it leaves?
- Where does our water come from?



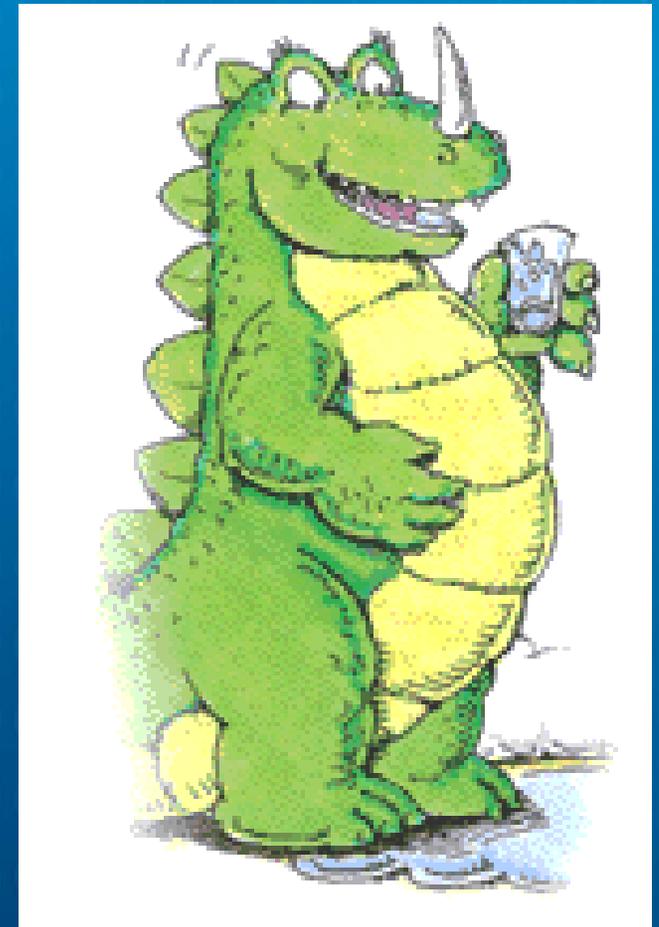


San Diego  
is downstream

San Diego

# The Water Treatment Cycle

- There is no new water
- The water we use and drink now is the same water the dinosaurs drank!
- We clean the same water over and over again
- Besides drinking, what do you use water for?



## Did You Know...

- All together, San Diegans use about 200 million gallons of water every day.
- Here is what a gallon looks like:

How many gallons of water does 1 San Diegan use in a day?



**88 GALLONS  
PER DAY!!!!**



# Water Supply Challenges:

- Not enough water in San Diego
- Water costs a lot!
- Fish also share the water
- Families are growing
- Earthquakes





## Taking Action...

**SAN DIEGANS  
WASTE  
NO WATER**  
*ALL DAY. EVERY DAY.*



**San Diegans don't waste water!**

How do you save water?

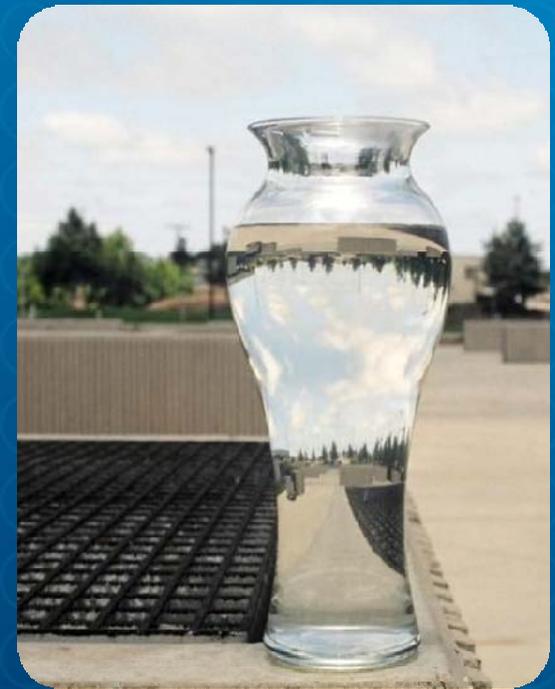
**Locally:**

- ✓ Groundwater
- ✓ Recycled water
- ✓ Purified water

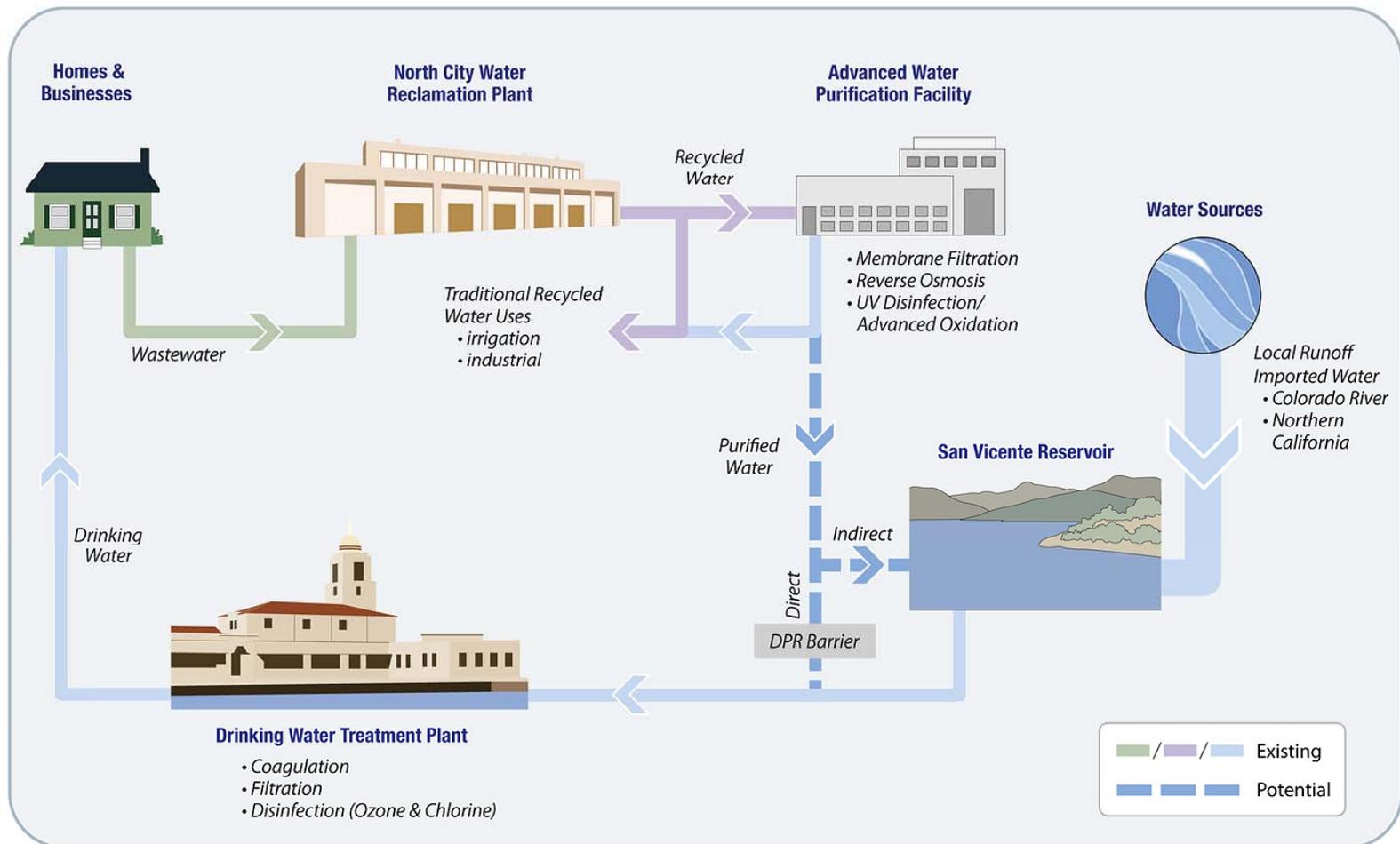
# Water Purification Demonstration Project

## What we did:

- Clean 1 million gallons of water per day
- Make sure everything works right
- Find out the cost
- Teach people (like you) about the project

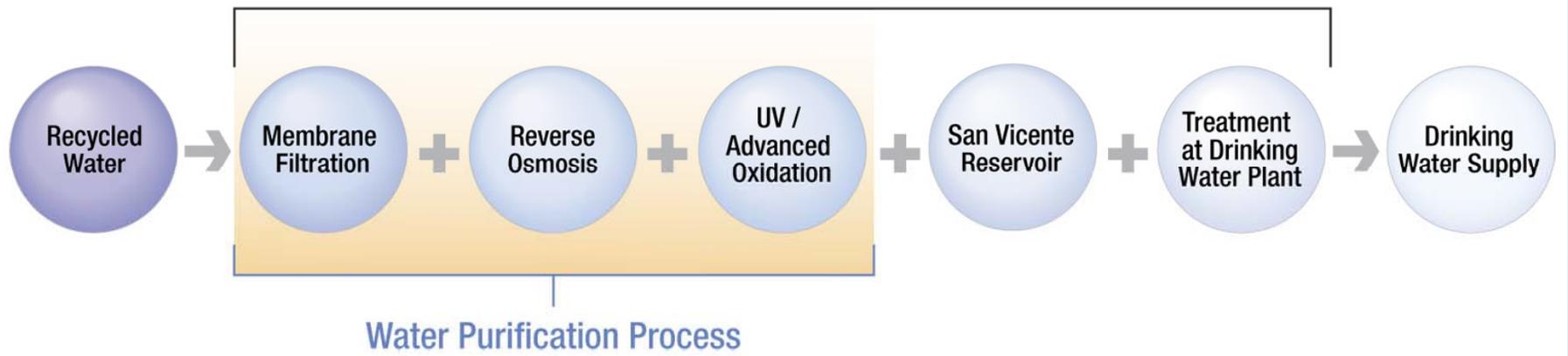


# Water Purification Process



# Purification Process

## Multi-Barrier Water Purification Steps



### Microfiltration & Ultrafiltration



### Reverse Osmosis



### Ultraviolet Light / Hydrogen Peroxide



# Project Results

- Water is safe!
- The reservoir meets all the rules for adding purified water to it
- Uses as much energy as importing water
- Costs 1 penny for a gallon
- More people know about and like the project

**City Council gave their OK on the Project Report in 2013**

## And Now...

- Working on more tasks from City Council
- Continuing with tours, presentations and events

