

#### WHAT OPPORTUNITIES DO WE HAVE?

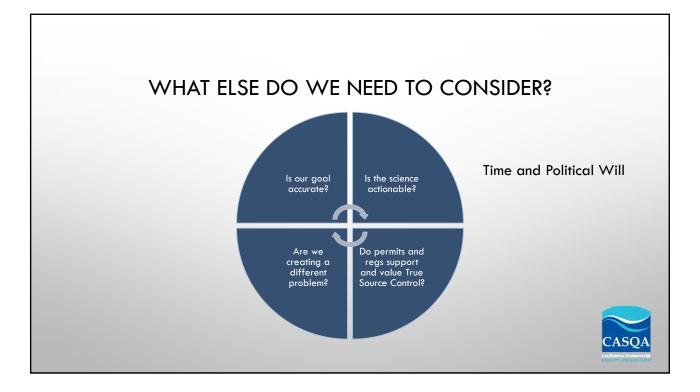


NGOS, WASTEWATER, DRINKING WATER, REGULATORS, PUBLIC

STATES LEVEL, FEDERAL LEVEL

CASOA











# True Source Control – A Local Perspective

League of California Cities, City Leader's Summit May 12, 2022



**City of San Diego – Stormwater Department** 

# The City of **SAN DIEGO**





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Agenda

#### City of SD Stormwater System

 Stormwater Infrastructure, water quality and funding Challenges

 Solutions and True Source Control Efforts



### Stormwater System





### **Stormwater Department Services**

providing community benefits

THE PARTY AND ADDRESS

#### encouraging public partnership

HINK BLUE

safeguarding communities from flood

using stormwater as a resource

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restoring the

environment

#### protecting clean, safe water

sandiego.gov

**308** clean water and green infrastructure projects

Stormwater Syst

**8.0** miles of levees

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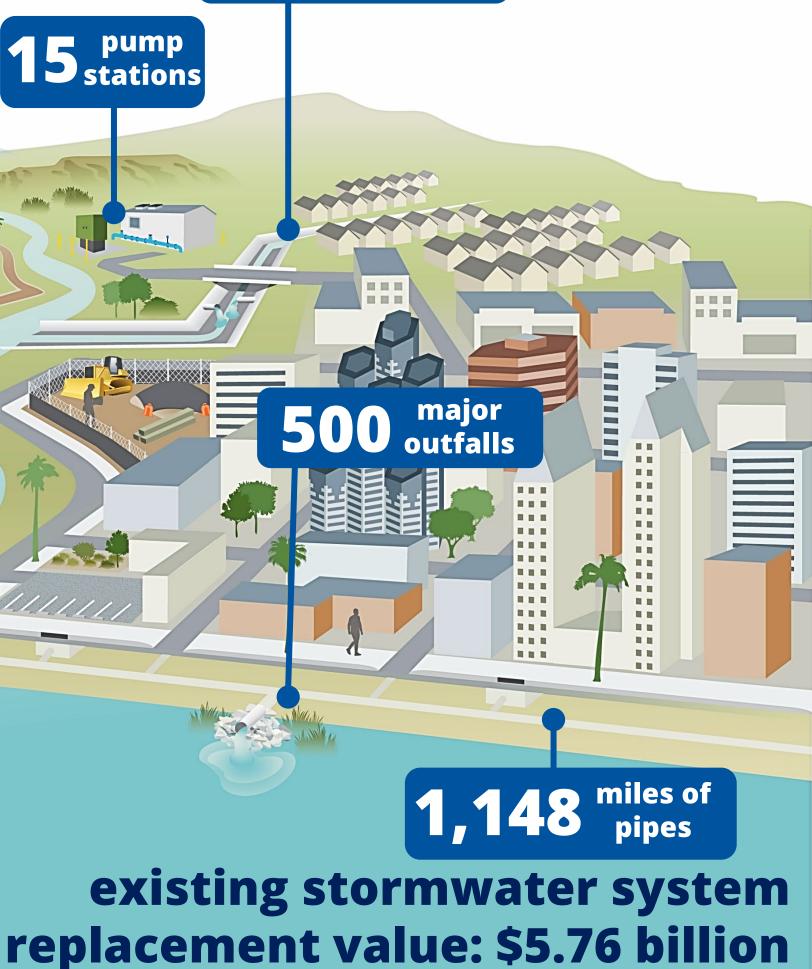
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#### 92,000 miles of street sweeping annually

**46,023** drain structures

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### **69.2** miles of channels





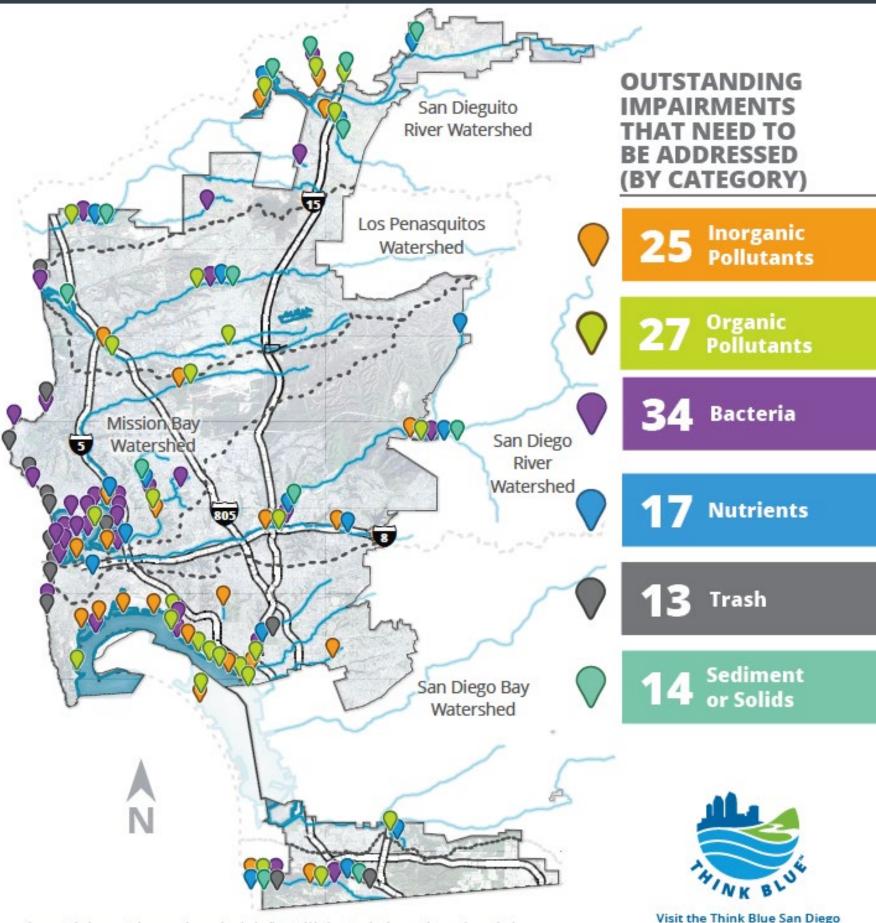
### Stormwater Challenges



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- **Aging infrastructure**
- Urbanization
- **Climate change**
- **Increasing regulatory** requirements
- 99% of the City drains to an impaired water body



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### Challenges

Some waterbody segments have more than one impaired pollutant within the categories shown on the map. One marker is

### **Pollution Challenges**



- Polluted water can be harmful
- 101 projected impairments
- 586 beach advisories & 55 beach closures per year (on average)
- Clean Water Act Violations
- Major compliance deadlines missed in April 2021
- Anticipated fines and lawsuits



Trash build up at the mouth of Chollas Creek





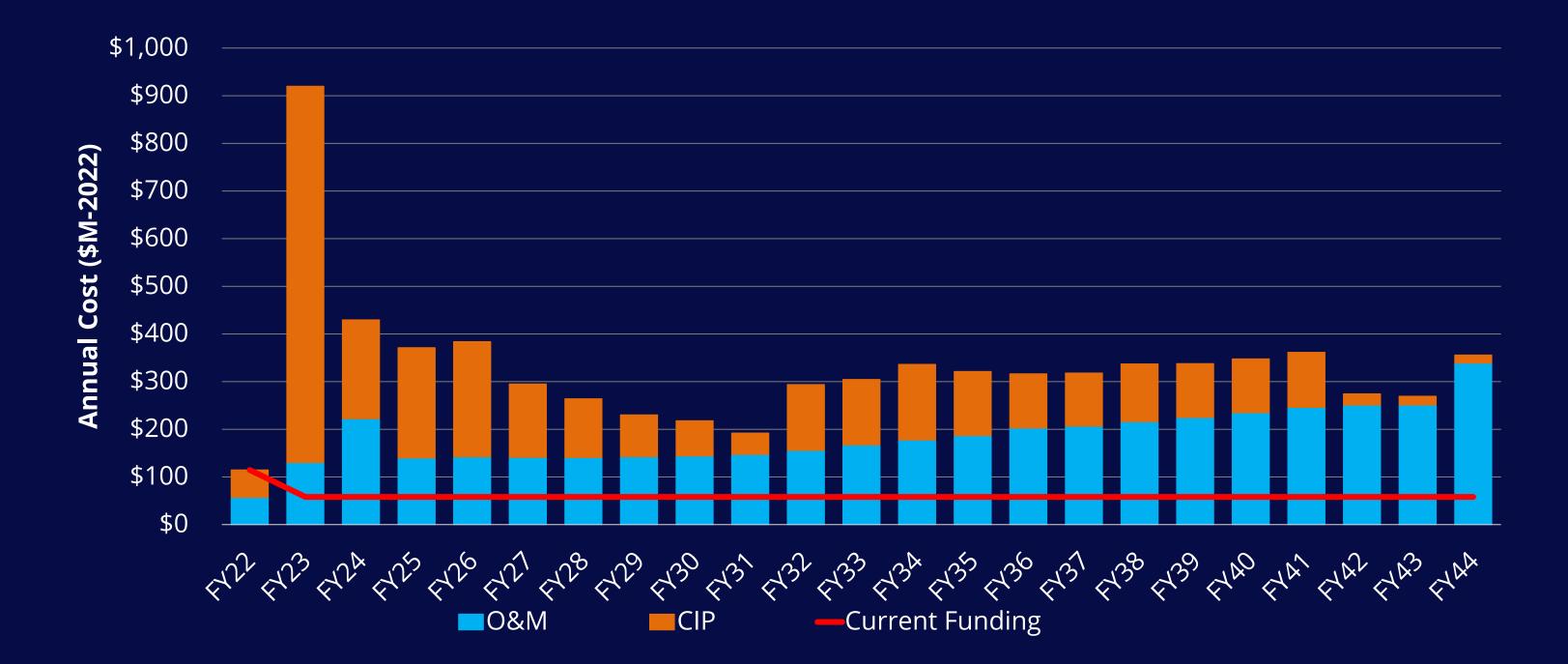
- Aging infrastructure needs replacing ightarrow
- Infrastructure failures can impact ightarrowwater quality
- Lost opportunity to capture water for drought preparedness
- Reliance on costly infrastructure to remove pollution

### Infrastructure Challenges

**Erosion and mud slide during 2020 rain event** due to stormwater pipe failure







### **Stormwater Funding Needs**



### Solutions

# The City of **SAN DIEGO**

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### **Traditional Pollution Solutions**





#### RELY ON INFRASTRUCTURE



REVITALIZE OUR WATERWAYS



#### CAPTURE STORMWATER FOR LOCAL SUPPLY

### **Traditional Pollution Solutions**





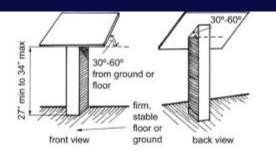


EXISTING TRAIL

EWOND BERRY" (TY



D. RIVER ROCK





#### INTERPRETIVE SIGNAGE



#### **B. FOOTBRIDGE**



C. WALKING TRAIL





### True Source Control as a Solution

- Targets the true source of the pollutants, not cleaning up after
- Truly prevents pollution
- Cleaner water for the community
- Avoid costly infrastructure and maintenance
- Cooperative effort with stakeholders
- Stay in front of emerging pollutants





### **True Source Control – Examples**

- Copper in brake pads legislation
- Zinc in tires
- Pesticides
- Local bans on Styrofoam, single use plastic utensils and straws





### Moving Forward Locally



- Involvement in CASQA, other state and national efforts
- The power of comments letters and verbal
- Local source control efforts







# Thank you

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SD

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