Burt Izard Lift Station Improvements

September 20, 2016

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Challenges Facing Omaha

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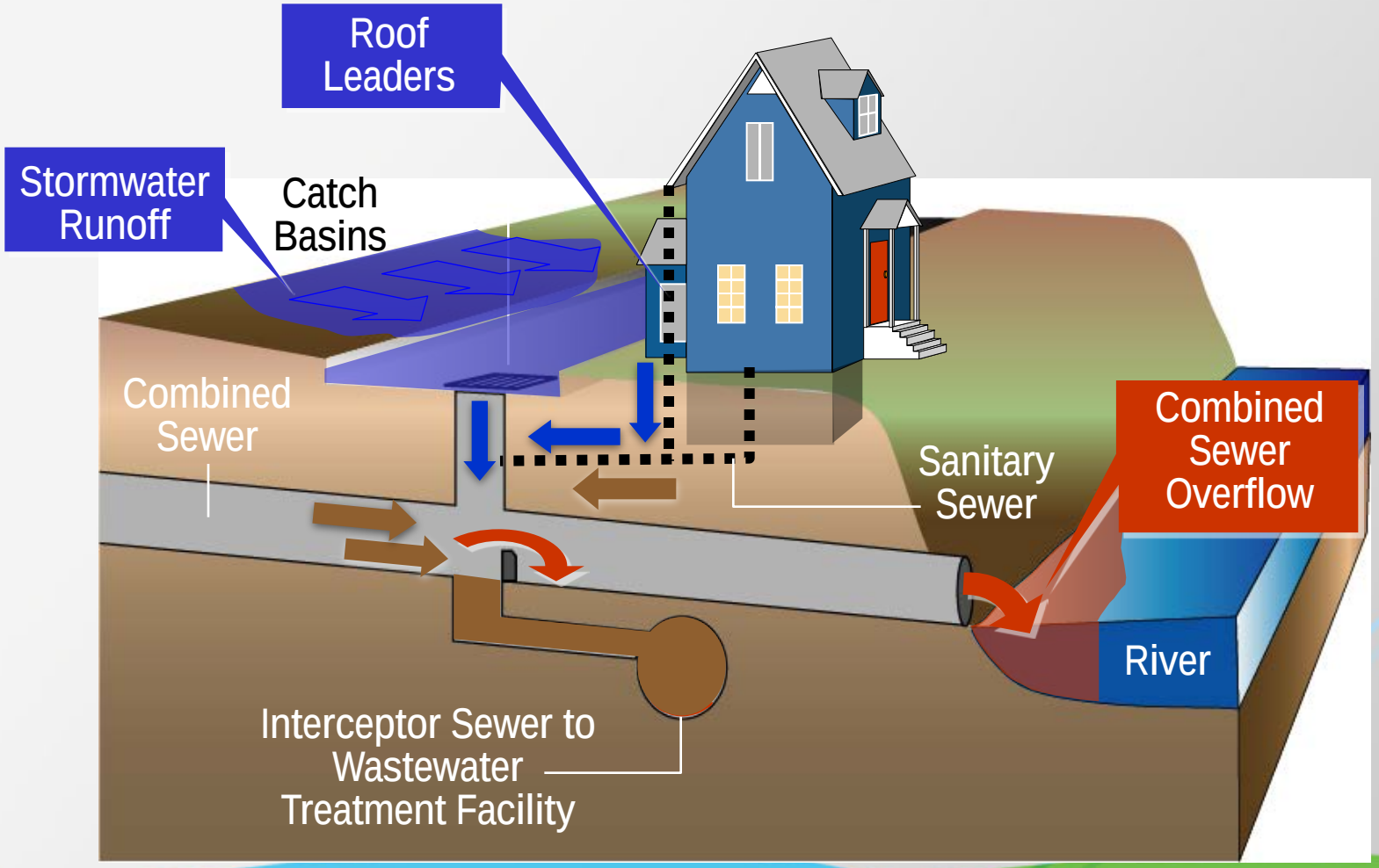
Opportunities & Benefits

- Reduce overflows of raw sewage to our streams; improve water quality
- Continue our efforts to eliminate sewer backups into basements
- Replace aging sewer, gas, water and street infrastructure
- Urban revitalization and development

Wet weather inflows exceed the CSS capacity and trigger a CSO



CSO Program Area

- 43 sq mi combined sewer area
  - 6,200 sq blocks
- 28 CSO outfalls
  - 9 to Papio Creek
  - 19 to Missouri River
  - 4 eliminated

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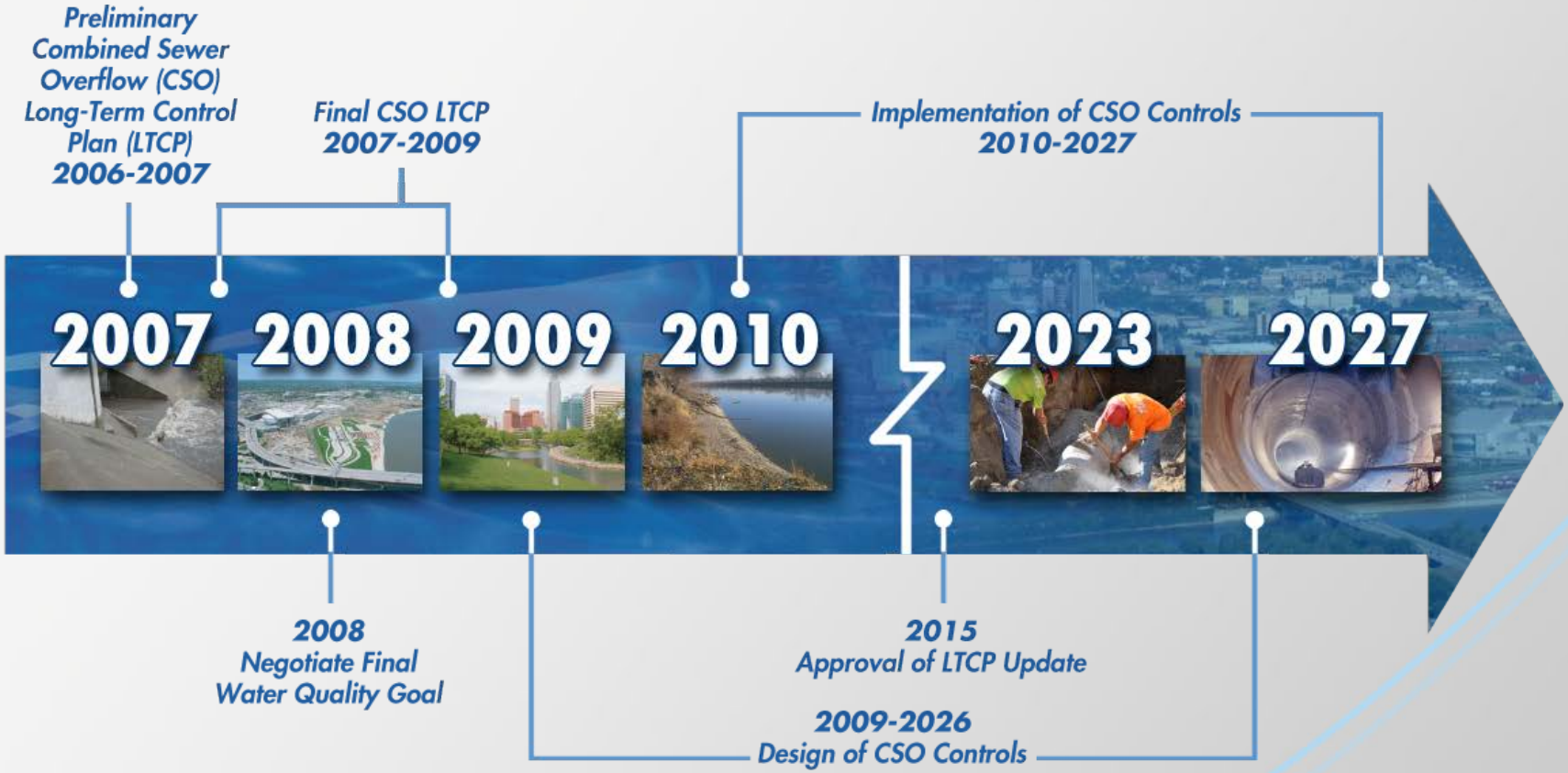
New Consent Order Timeline



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Long Term Control Plan

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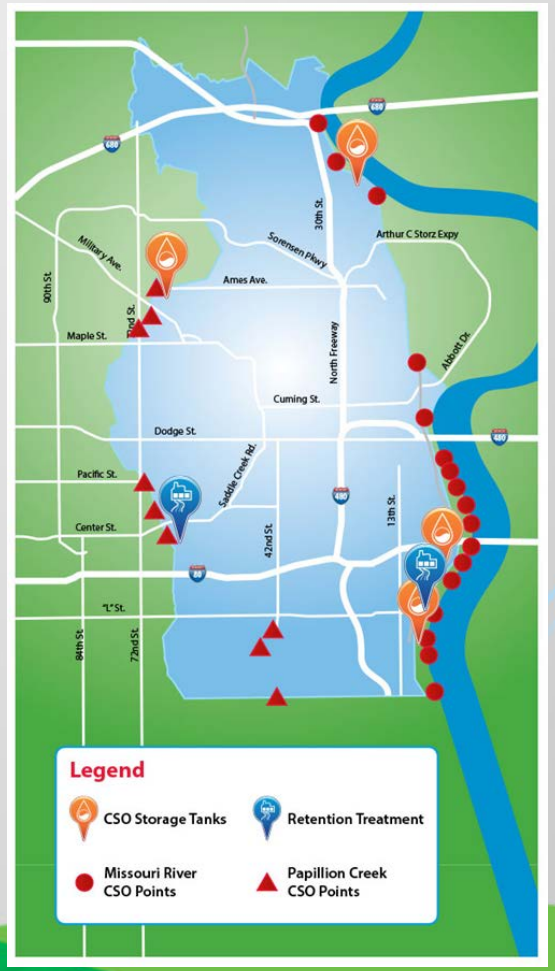
Major Elements of the Long Term Control Plan

Targeted Sewer Separation Projects

High Rate Treatment Facilities



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Major Elements of Final Long Term Control Plan

Underground Storage Tanks

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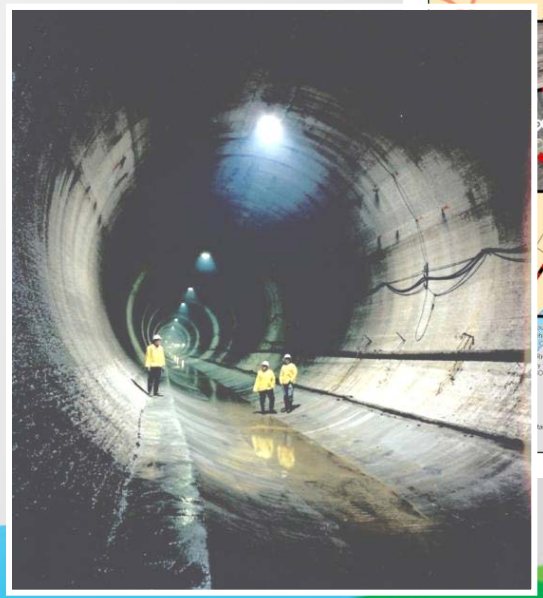
CSO Controls: Tunnel

- Deep Conveyance Tunnel
  - Length: 5.4 miles
  - Diameter: 17 feet
  - Depth: 170 feet
  - Drop shafts: 5



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Green Solutions

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Adams Park Wetland Zones

LOWLAND GRASS

WETLAND MEADOW

EMERGENT WETLAND

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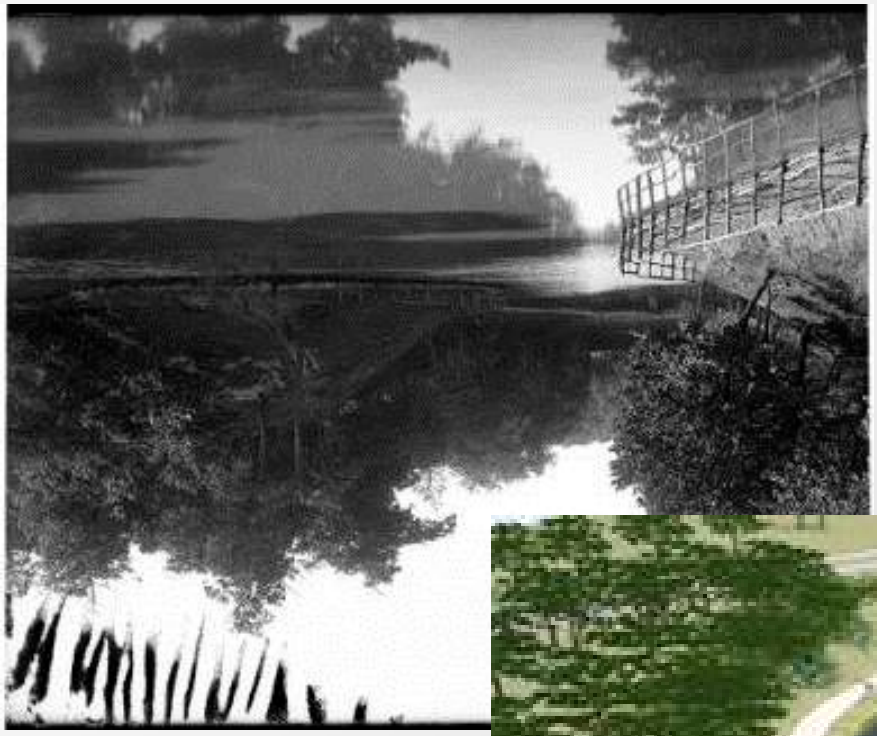
Spring Lake Park



Syndicate Park 1920's

New Green Solution

Fontenelle Park

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Saddle Creek Green Infrastructure

Program Funding

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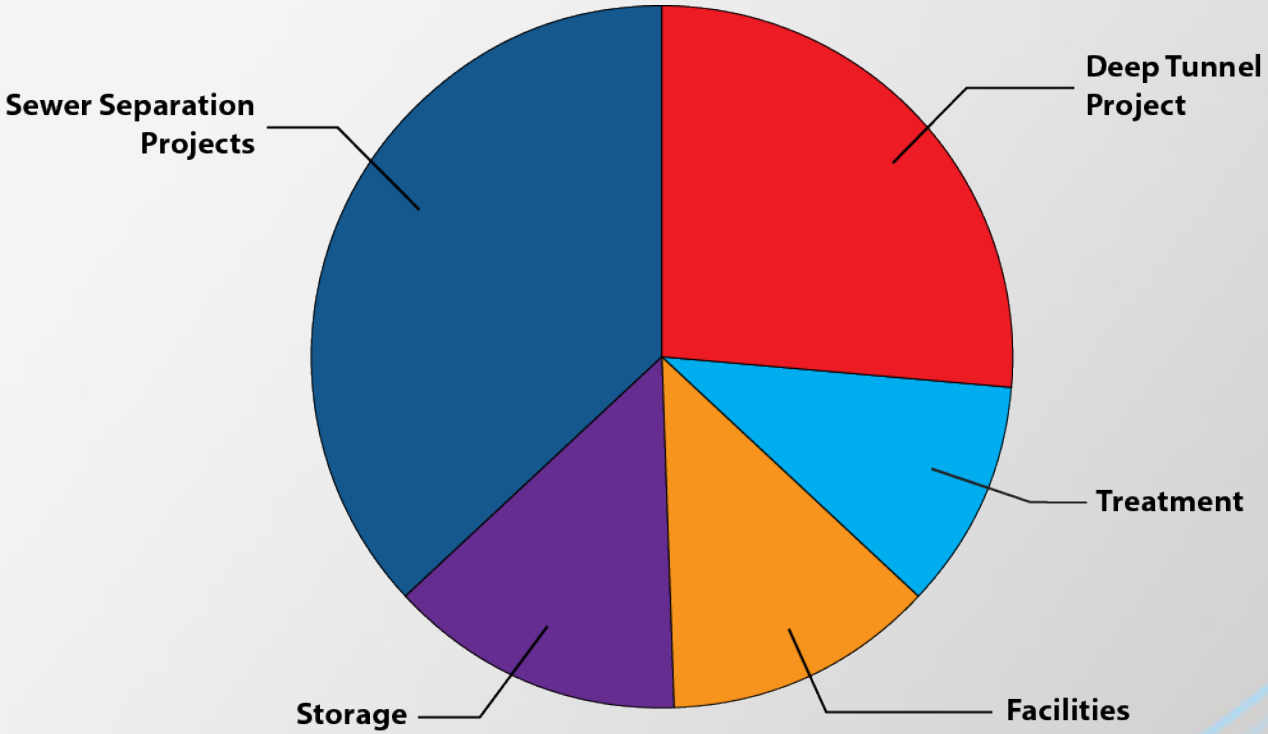
Funding the Program

Financed with 30-year bonds

Funded with sewer fees

Program Costs 2015 Dollars
$2.2 Billion



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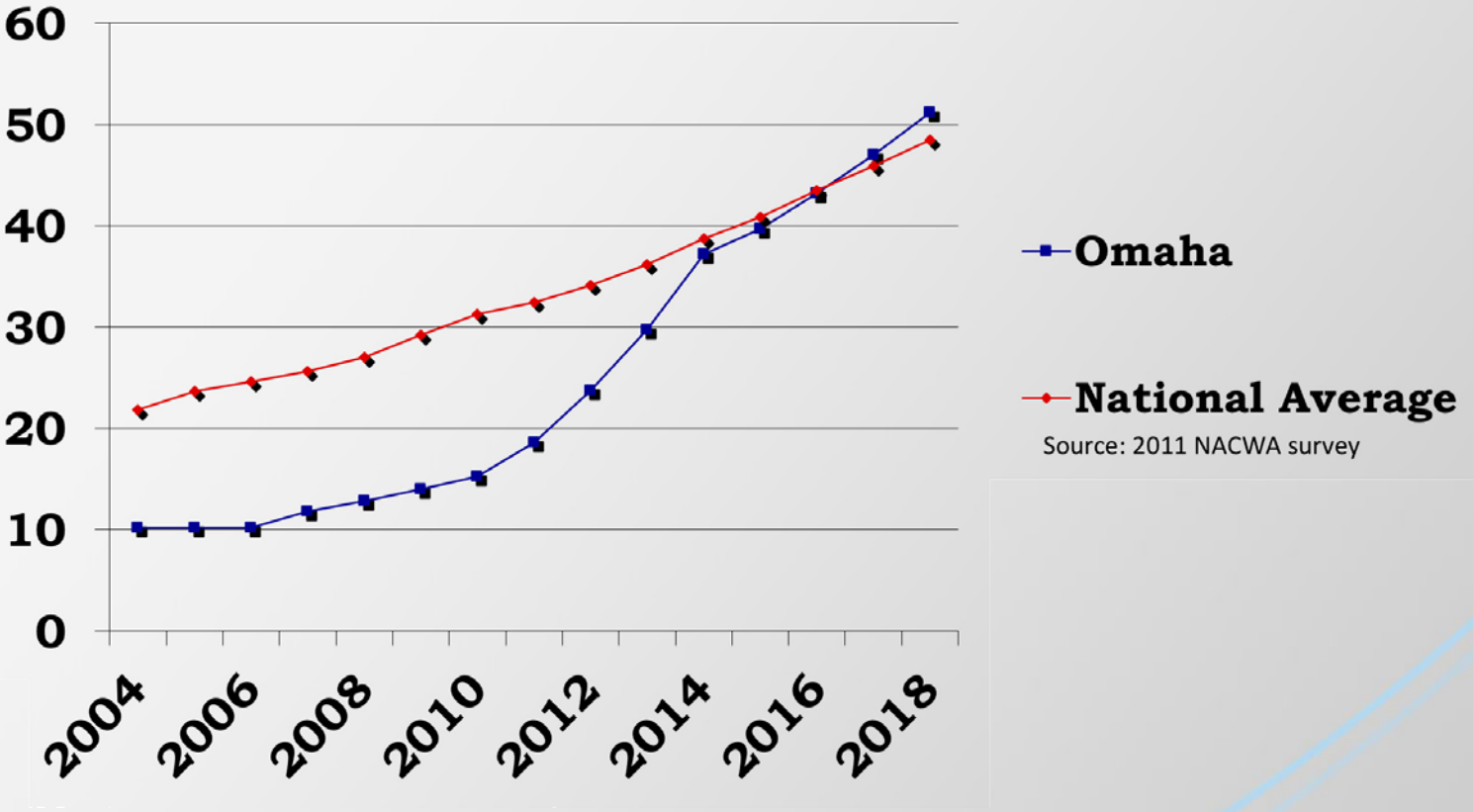
Average Residential Sewer Bills: Omaha vs. National Average



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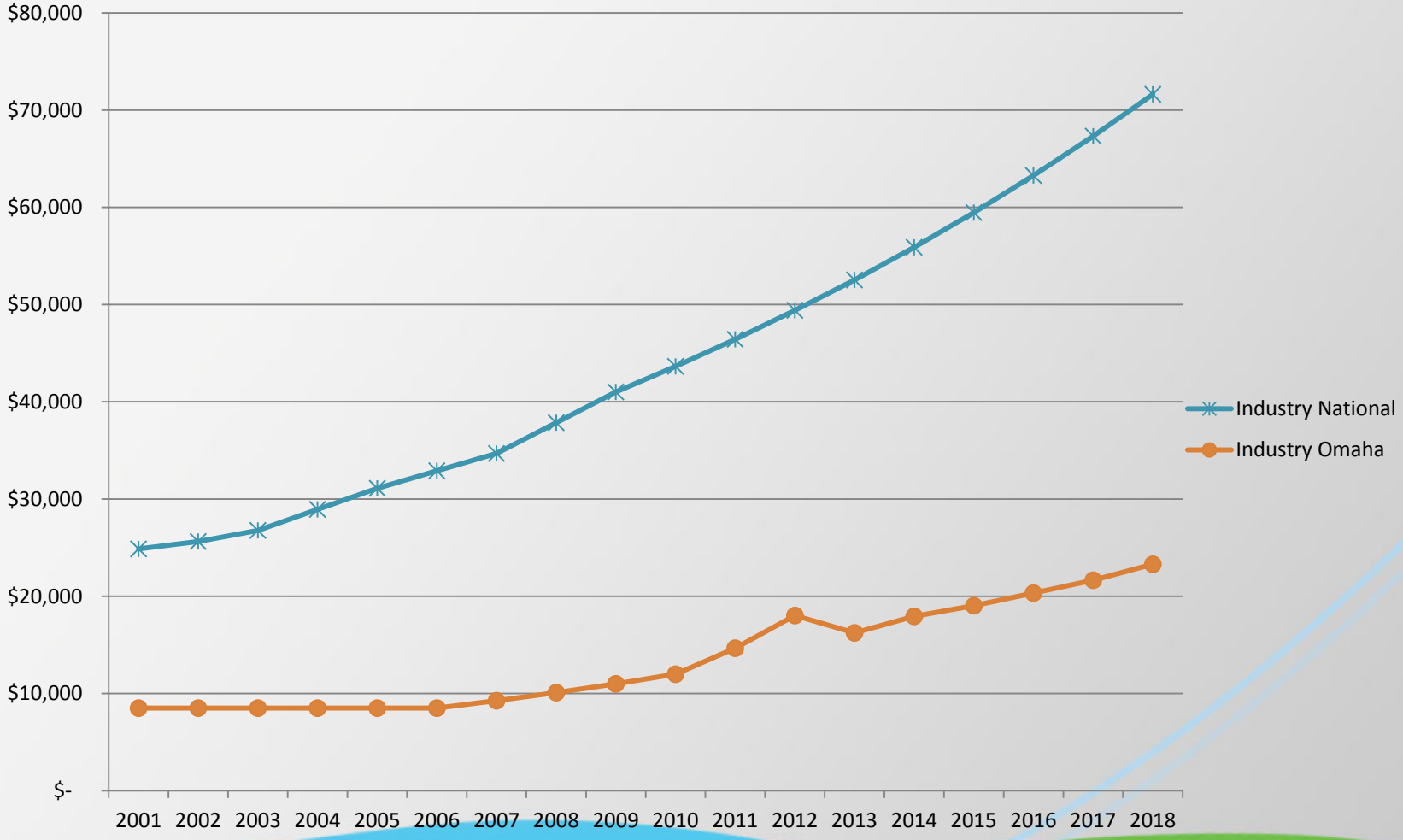
Average Industrial Sewer Bills: Omaha vs. National Average



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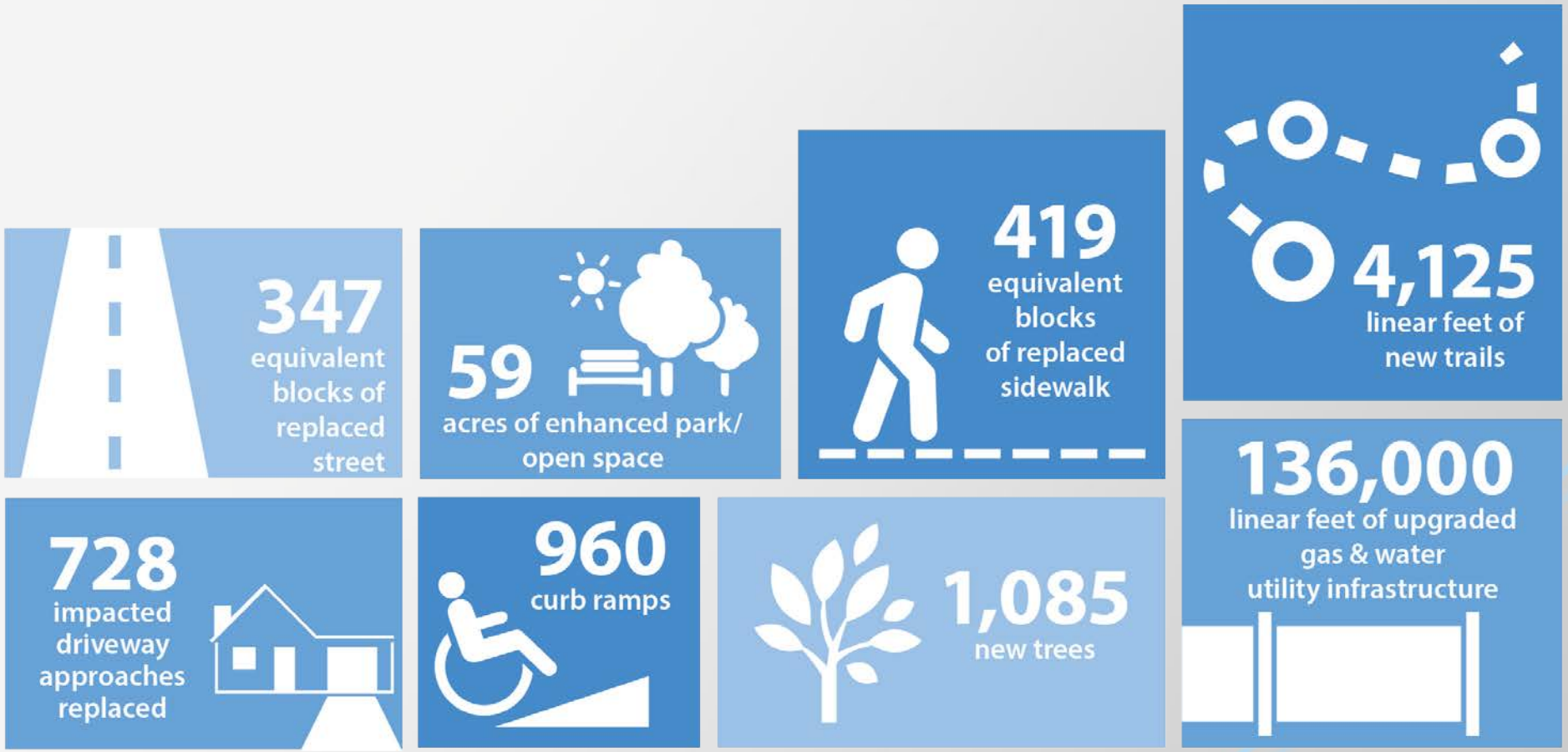
CSO Public Benefits



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PROGRAM BUDGET STATUS

In 2015 dollars

2009 — 2027

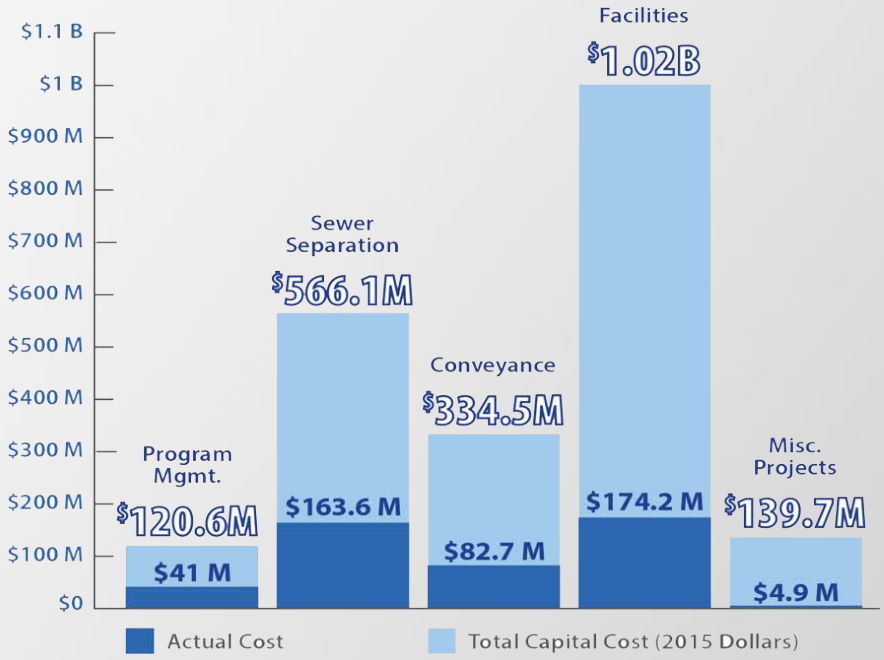
$466.5 M actual cost

$2.171 B

Spent to Date: 21.5%

Estimated Complete: 22.4%

PROGRAM CAPITAL ALLOCATION



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What is the Project?

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What is a Lift Station?

Project Purpose

Increase volume of flow conveyed to the Missouri River Wastewater Treatment Plant in conjunction with the improvements to the South Interceptor Forcemain Project.

Scope of Work

- Flow improvements to the lift station
- Improvements inside the Grit Building
- New bar screens
- New pumps, piping, and valves
- Upgrades to the electrical power feed
- New electrical and controls inside the lift station

Burt Izard Lift Station

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Site Location and Area of Work

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Site Plan

New OPPD Electrical Gear

Diversion Structure

Construction Laydown

Construction Trailers

Grit Building

Bar Screen Room

Lift Station

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What to Expect

- Most work inside facilities
- Electrical/transformer work
- Bypass Pumping
- Forcemain Tie-in
- Construction Deliveries

Burt Izard
Project Schedule

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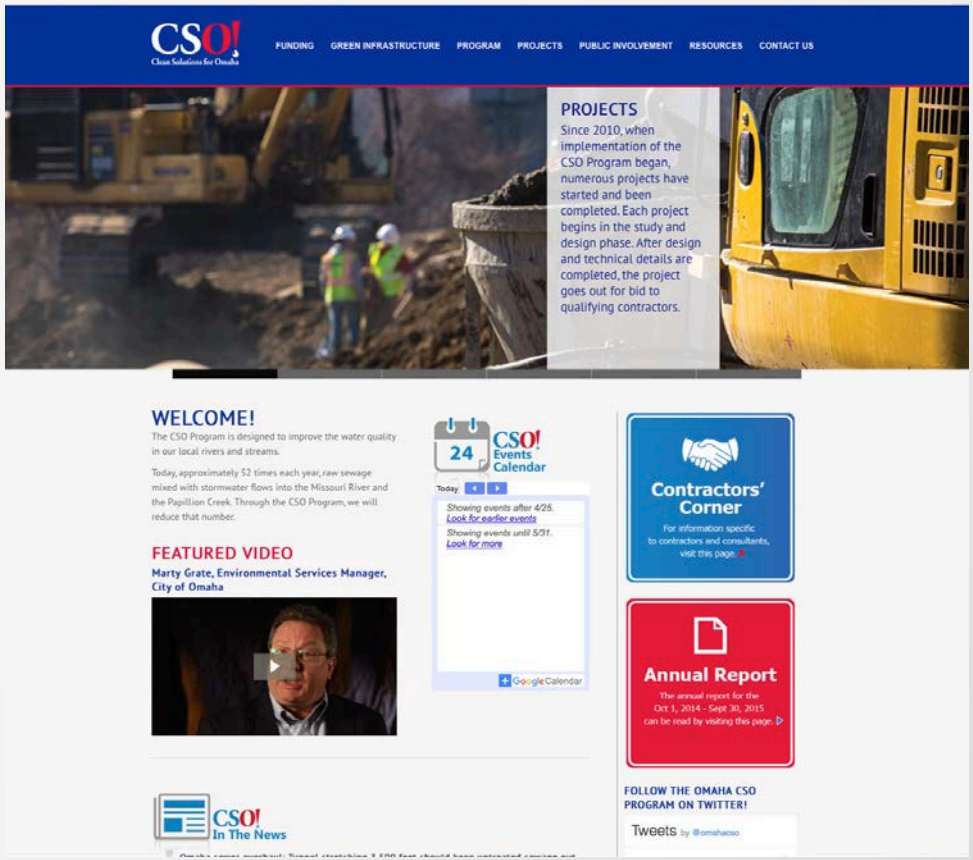
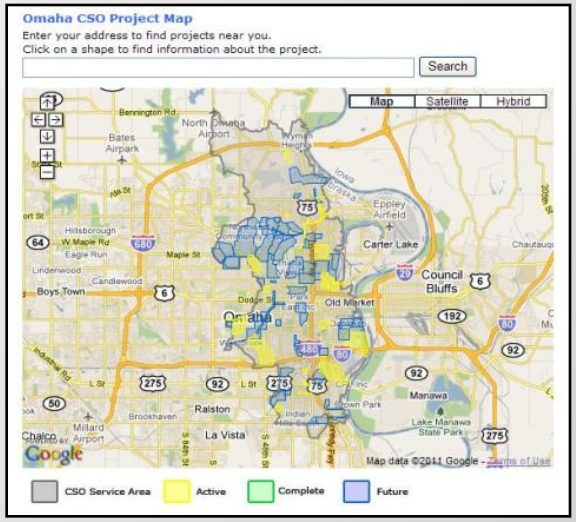
Project Schedule

- Public Discussion: Fall 2016
- Design completion: Early 2017
- Bidding: Spring 2017
- Construction Begins: Summer 2017
- Construction Ends: Fall 2018

Website: www.OmahaCSO.com

CSO Hotline: 402-341-0235





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CSO Public Display

Questions & Discussion

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  Project Manager
  816-412-3108

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