Water CIP Overview

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San Antonio Water System

Capital Improvements Advisory Committee
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Water CIP Overview

- Evolution of Water System in San Antonio
- Types of Impact Fees
- Overview of Current Water System
- Water Delivery
  - Flow
  - System Development
- Water Supply
Evolution of San Antonio Water System

Early Years

The Blue Hole, + 11,000
Espada Aqueduct, 1745
Presidio de Béxar, 1764
Brackenridge Pump House #1, 1877
Brackenridge Pump House #2, 1885
The Borglum House
Market Pump Station, 1908
Evolution of San Antonio Water System

Later Years

- Basin Pump Station, 1959
- Production Control Center, 1968
- Aquifer Storage and Recovery, 2004
- BexarMet Merger, 2012
- First in Nation Full Automation
- Desalination, 2016
- Vista Ridge, 2020
- Medina River Ultrafiltration Plant (built 1999)
- Reverse Osmosis
- Twin Oaks
- Terminus Facility
Types of Impact Fees

- Water Delivery Flow
- Water Delivery System Development
- Water Supply
- Wastewater Collection
- Wastewater Treatment
Current Water System

• 59 Pressure Zones
  – 7,100 miles of mains
  – 33 Primary
  – 30 Secondary
  – 35 Booster
  – 84 Ground Storage Tanks
  – 35 Elevated Tanks

• Distributed production facilities

• Complex operations
Water Delivery Capital Improvements

Additional capacity for 10 years of growth

- Ground and Elevated Storage
- Well and high service pumps
- Transmission mains
- Distribution mains
Types of Impact Fees

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Types of Impact Fees

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System Development: Low

- New Meadow Springs Pump Station
- Upgrades at Wurzbach Pump Station
- Dietrich Rd Storage Tank
System Development: Middle

New Ladera Pump Station

Transmission Improvement

Upgrades at Turtle Creek Pump Station

New Green Mountain Pump Station
System Development: High

- Added storage at Indian Hills Pump Station
- Transmission Improvement
Types of Impact Fees

Water Delivery Flow
Water Delivery System Development
Water Supply

Wastewater Collection
Wastewater Treatment
Water Supply CIP

Vista Ridge Water Supply Project
Water Supply CIP
Central Water Integration Pipeline Project