

# SAWS Collection Impact Fee CIP

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# Collection Impact Fee CIP Overview

- SAWS Sewer System
- Collection System Hydraulic Model
- Changes from 2011 Impact Fee Study
- Capacity Calculations for 2013 to 2024 CIP
- CIP Values for 2013 to 2024
- Existing Collection System Values
- Eligible Wastewater Collection CIP

# San Antonio Water System

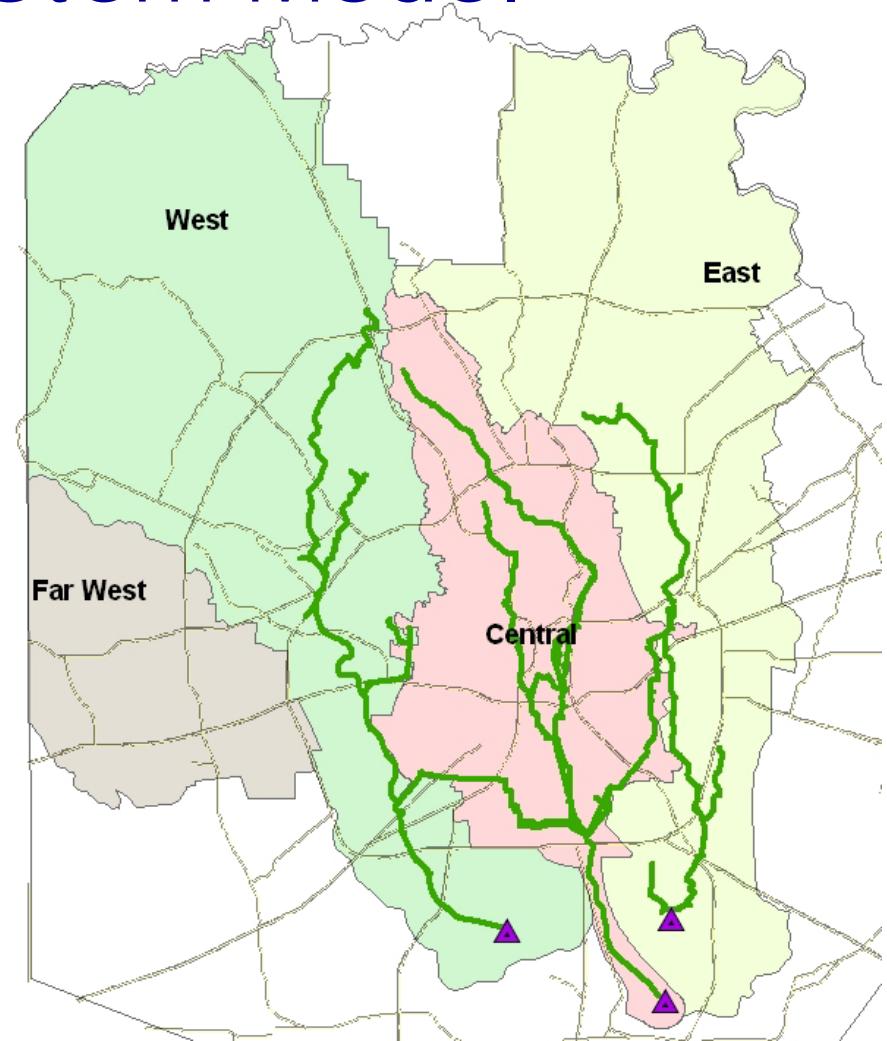
- SAWS Sewer System

- ~5,200 miles of sewer main
  - ~ 350 miles LD ( $\geq$  24-inch)
  - ~ 4,850 miles SD
  - Includes ~ 680 miles in EARZ
- 98,000 manholes
- 300 siphons
- 80 miles of force main
- 156 lift stations
- 3 wastewater treatment plants



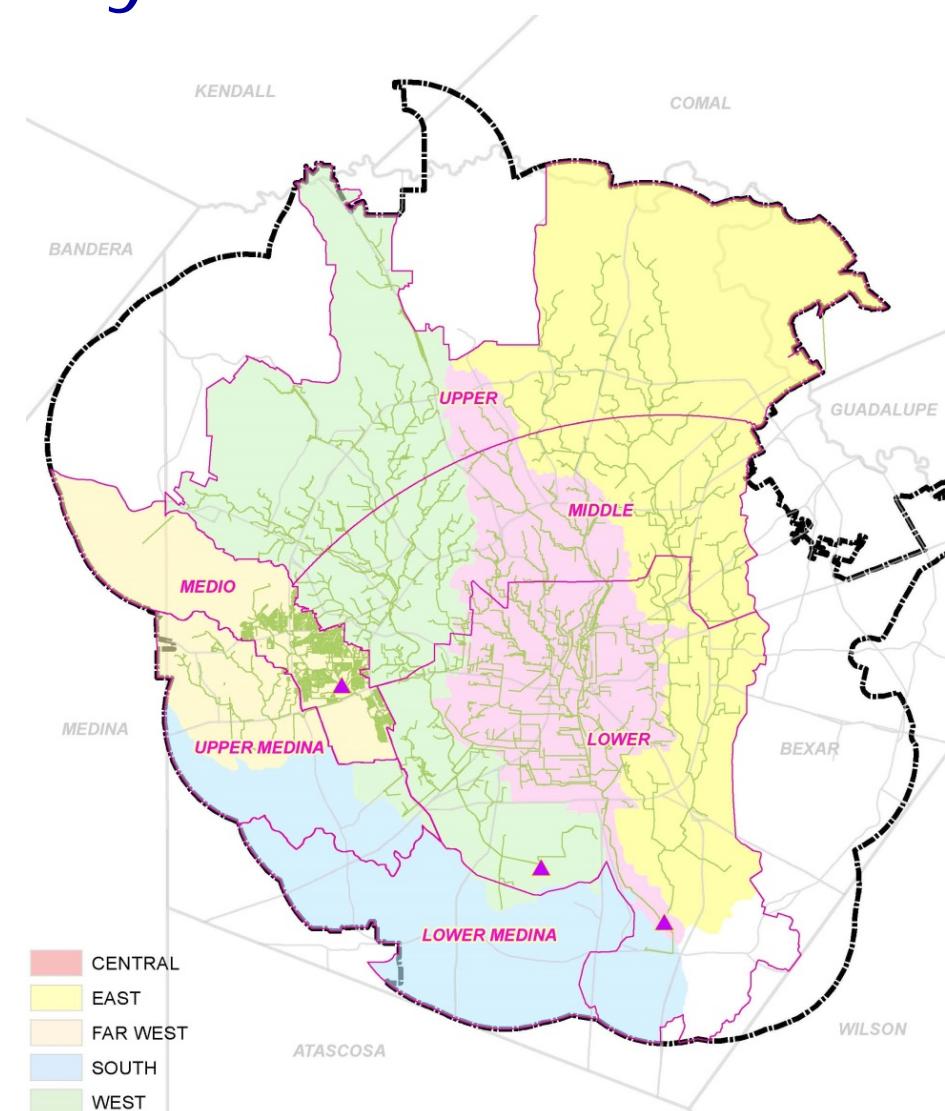
# 1998 Collection System Model

- First Hydraulic Model
- Only large diameter mains (24"+)
- 4% of total system modeled
- HydroWorks software was used



# 2013 Collection System Model

- Primarily large diameter mains (12"+)
- 23% of total system modeled
- InfoWorks CS software used to create models
- Separate models for each basin (Far West, West, Central, and East)
- Currently Building the model for Lower/Upper Medina

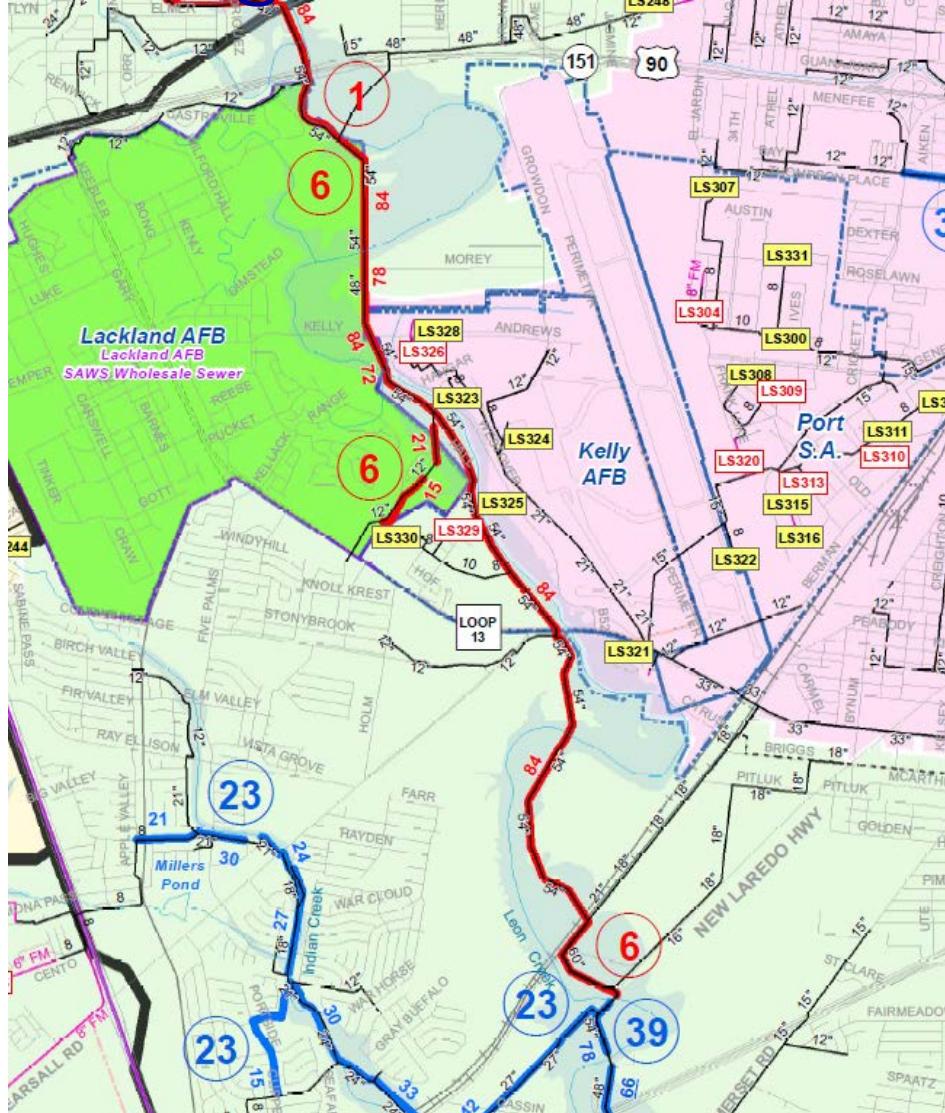


# Changes from 2011 Impact Fee Study

- Revised Cost Estimates for all Projects
- 7 Projects Completed
- 2 Projects under Construction
- 10 Projects under Design
- 1 Projects Removed
- 5 New Projects Added



# Changes from 2011 Study-Project W\_6



- W\_6 Western Relief Project
- 90" Pipeline
  - \$86M vs. \$50M
  - 6 phases/segments
  - Rerouted portions
  - 90" vs 84"
  - Easement Costs
  - Lackland/Environmental Costs
  - Needs be completed by
- Eligible Impact Fee CIP
  - \$11.8 M

# Capacity Calculations for 2013 to 2024 CIP

- Capacity calculation for new projects is based on same methodology as 2011 Impact Fee Study
- Adjustments were made in the flow calculation spreadsheet to reflect the 2014 to 2023 change in EDU's for each project
- W\_6 Western Relief Project = \$78.7 M
  - Ultimate Flow Capacity = 270.78 MGD = 100%
  - Existing Flow = 103.5 MGD = 38% capacity
  - 2014 to 2023 Flow = 40.46 MGD = 15% capacity
  - Post 2023 Flow = 127.18 MGD = 47%
  - Eligible CIP = \$78.7 M X 15% = \$11.8 M









# QUESTIONS ?









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