

# **Town of Tupper Lake Water and Sewer District Consolidation Study**

Alternatives Phase

6-8-2017



Visit the website: <http://www.danc.org/operations/engineering/tupper-lake-watersewer-consolidation-study>

# Alternative Objectives

The Committee will evaluate alternatives for consolidating water and sewer districts AND quantify the impact on customers and the cost savings of consolidation.

Task	Status
1. <b>Identify</b> consolidation alternatives that will be explored	Complete
2. <b>Analyze</b> each recommendation: delivery method, cost, and cost savings	In Process
3. <b>Draft Alternatives Report</b> with the recommendations and details	Pending

# Alternatives Identified

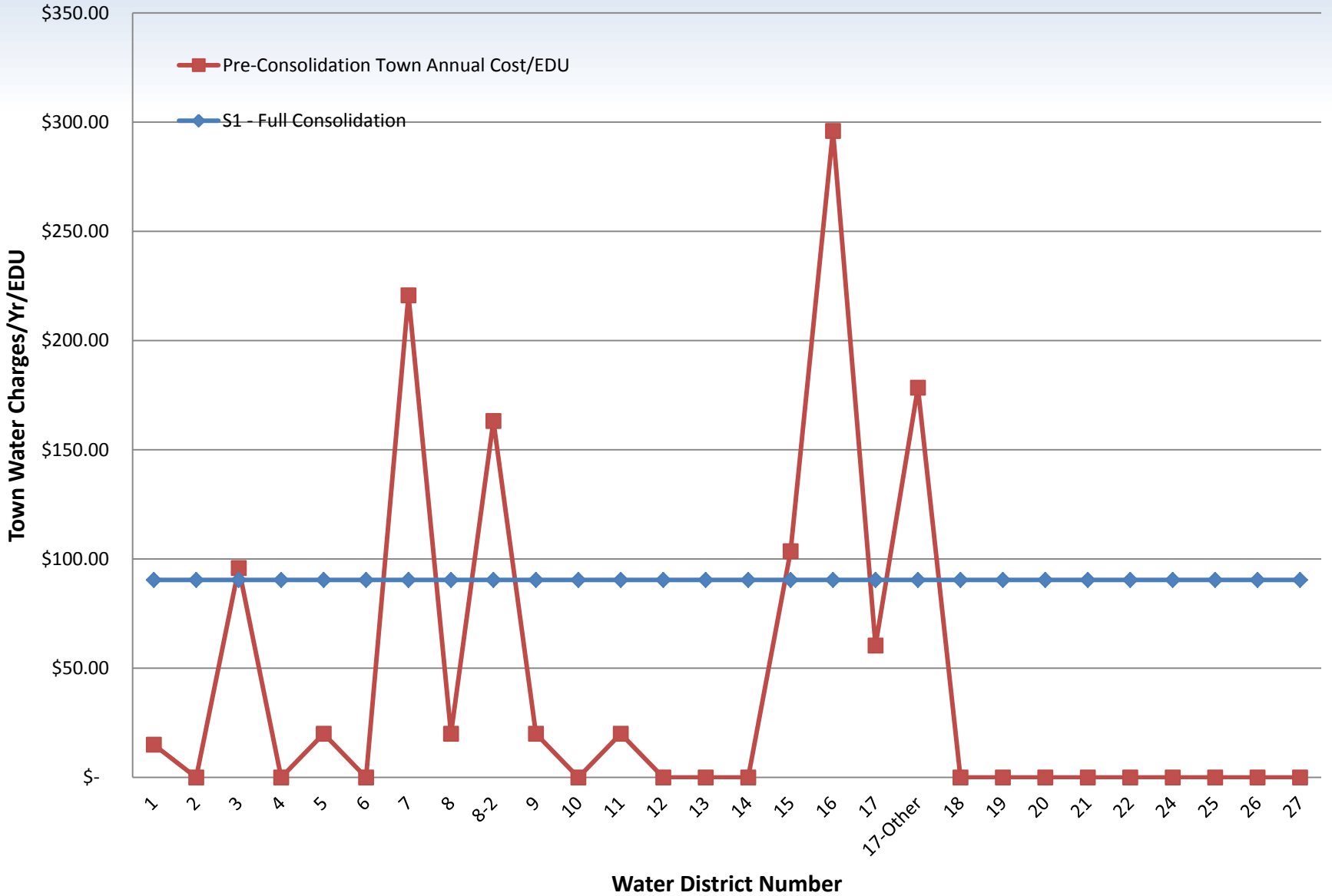
The Committee has identified the following consolidation alternatives to analyze:

Alternatives	Water	Sewer
Complete Consolidation of all Districts	Scenario 1	Scenario 2
Consolidation of Districts into two categories: 1) those with debt; and 2) those without debt/or soon to be debt free	Scenario 3	Scenario 4
Consolidation of Districts with Sewage Grinder Pumps	N/A	Scenario 5
Consolidation of Districts with Similar Age of Infrastructure	Scenario 6	Scenario 7

# Scenario 1 – Consolidation of All Water Districts

- Total EDUs billed for water service = 772
- Total 2016 Expenses and Appropriations = \$69,832
- Total Town Cost Per EDU If Consolidation Occurs = **\$90.46** for all EDUs

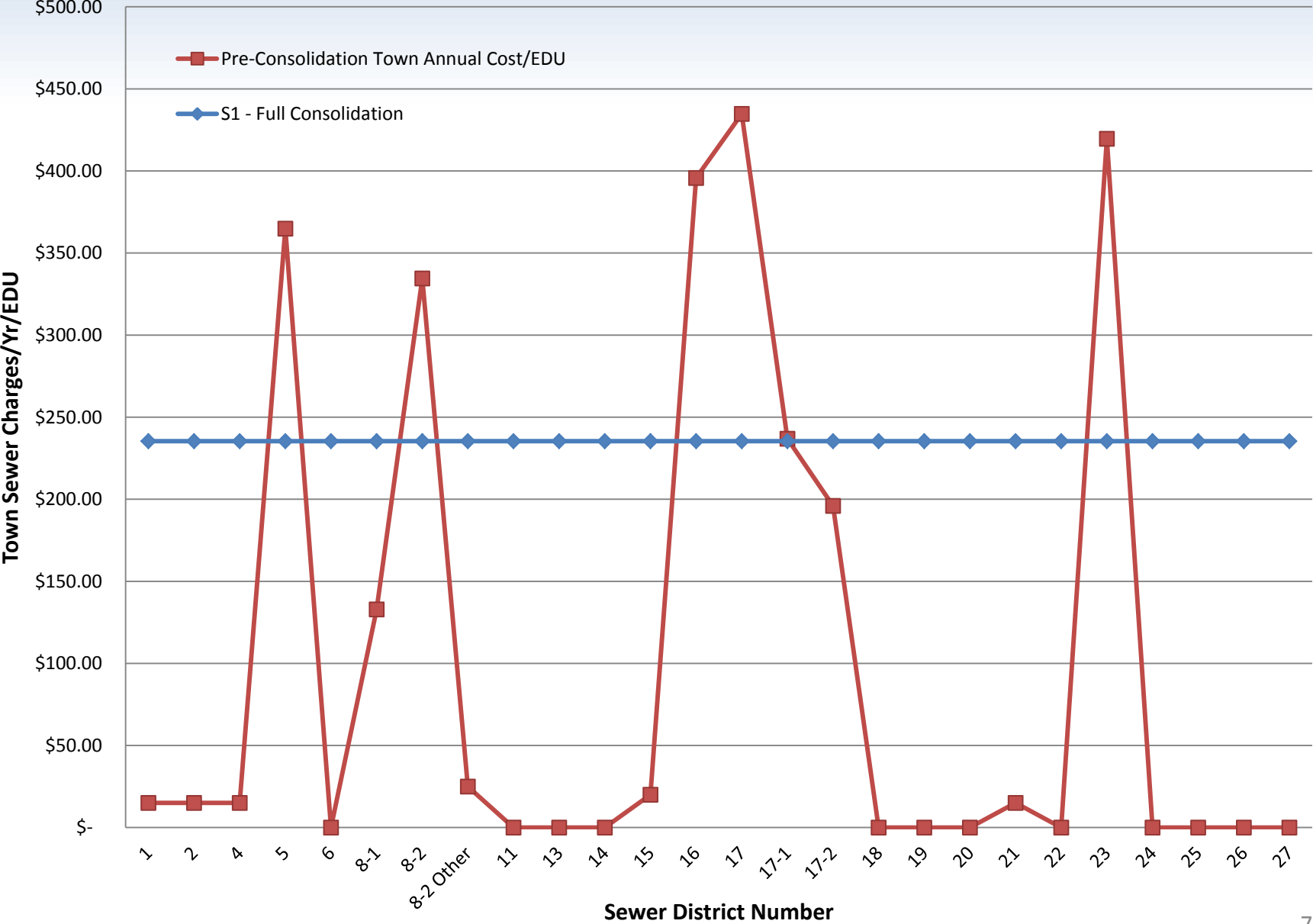
# Water District Consolidation Scenario 1



# Scenario 2 – Consolidation of All Sewer Districts

- Total EDUs billed for sewer service = 775
- Total 2016 Expenses and Appropriations = \$182,404
- Total Town Cost Per EDU If Consolidation Occurs = **\$235.36** for all EDUs

# Sewer District Consolidation Scenario 2

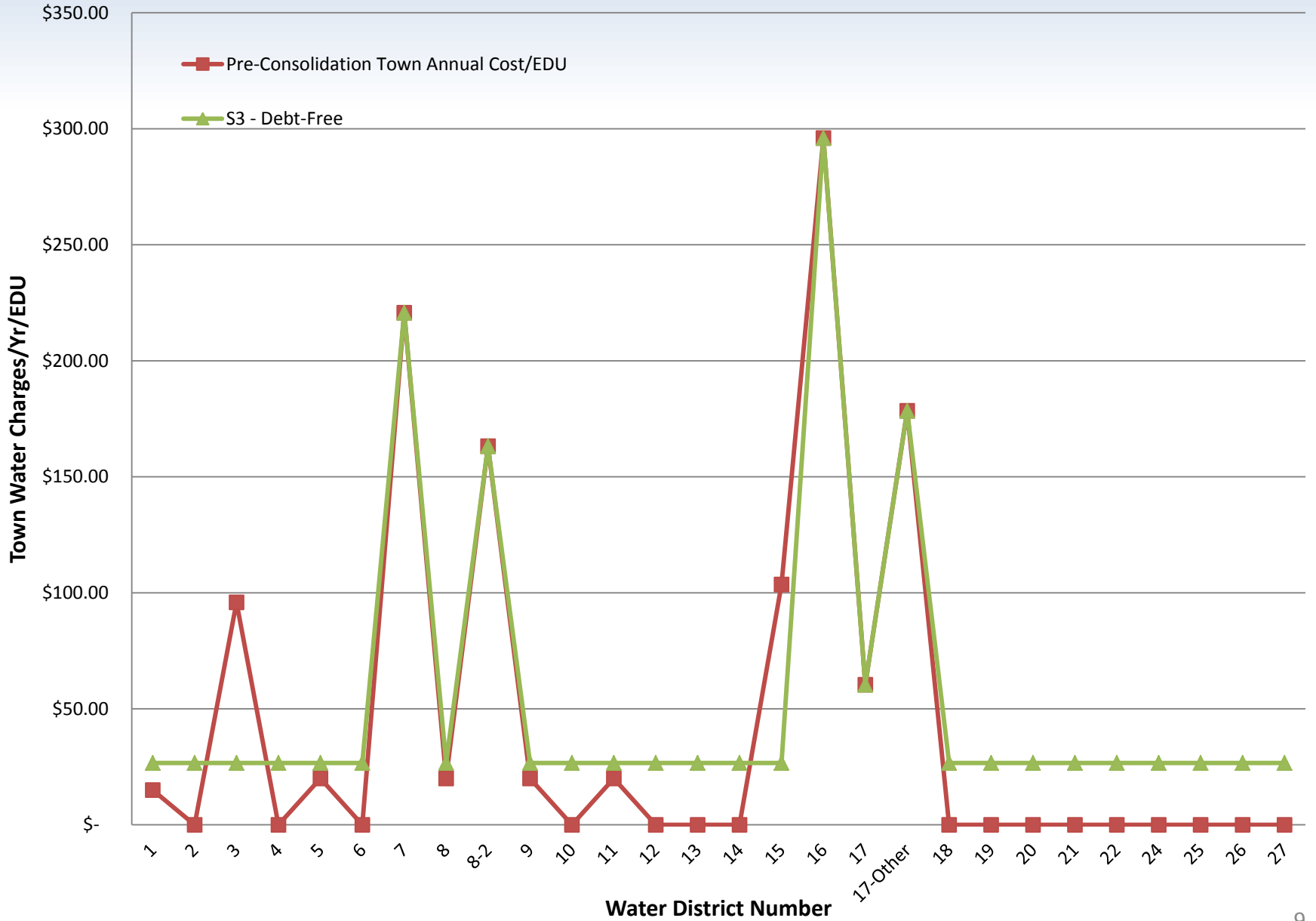


# Scenario 3 – Consolidation of Debt-Free Water Districts

- Debt-Free Districts
  - All debt-free districts will all be consolidated.
  - Expenses for Debt-Free Districts = \$11,457
  - EDUs = 430
- Districts with outstanding debt include: WD#7, WD#8-2 (pd. In 2019), WD#16 (pd. In 2019), and WD#17&17-Other. These districts will all remain “as is”.
  - These districts will be consolidated with debt-free districts as their existing debt is paid off
  - Total consolidation would decrease number of districts from 28 to 6



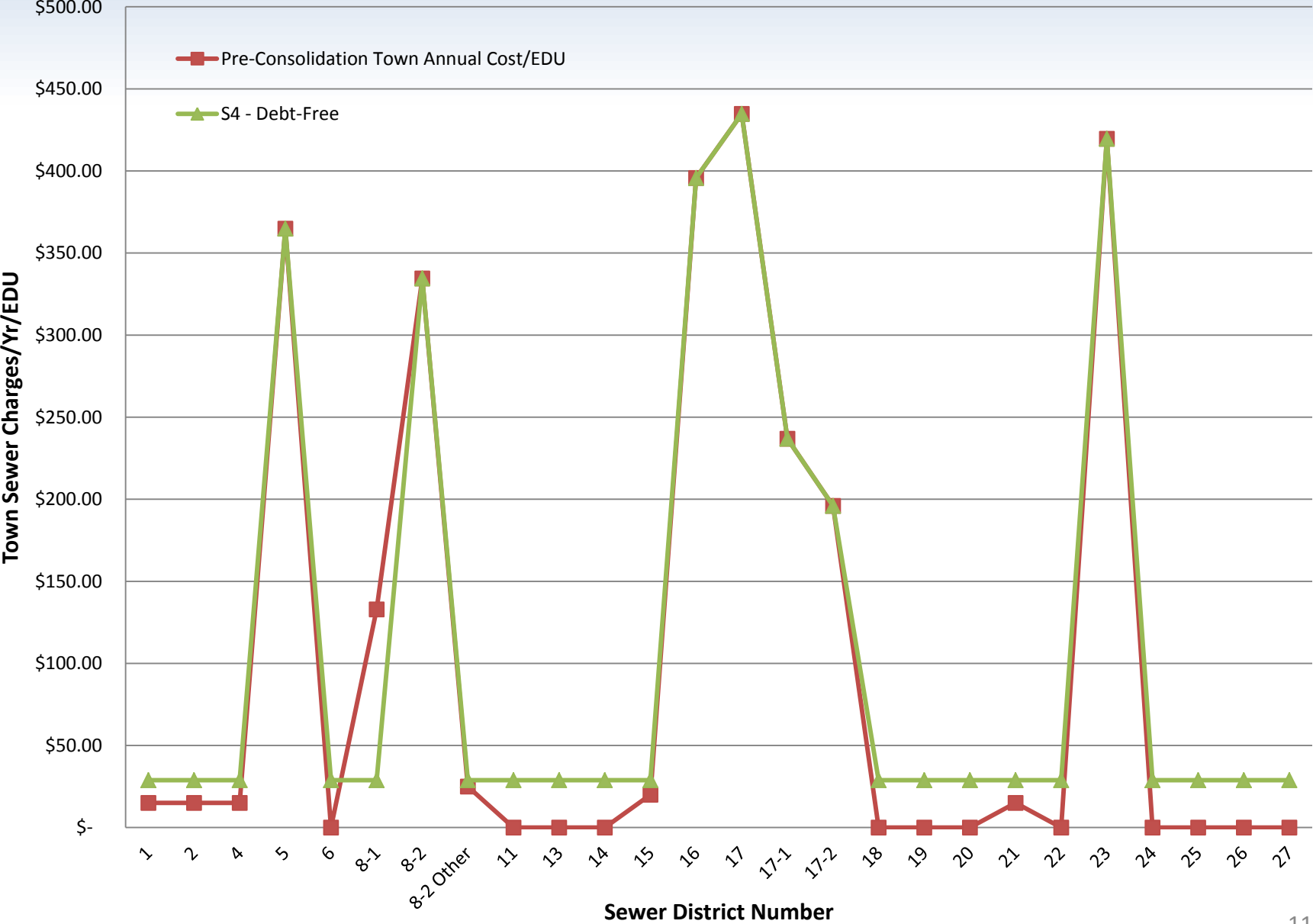
# Water District Consolidation Scenario 3



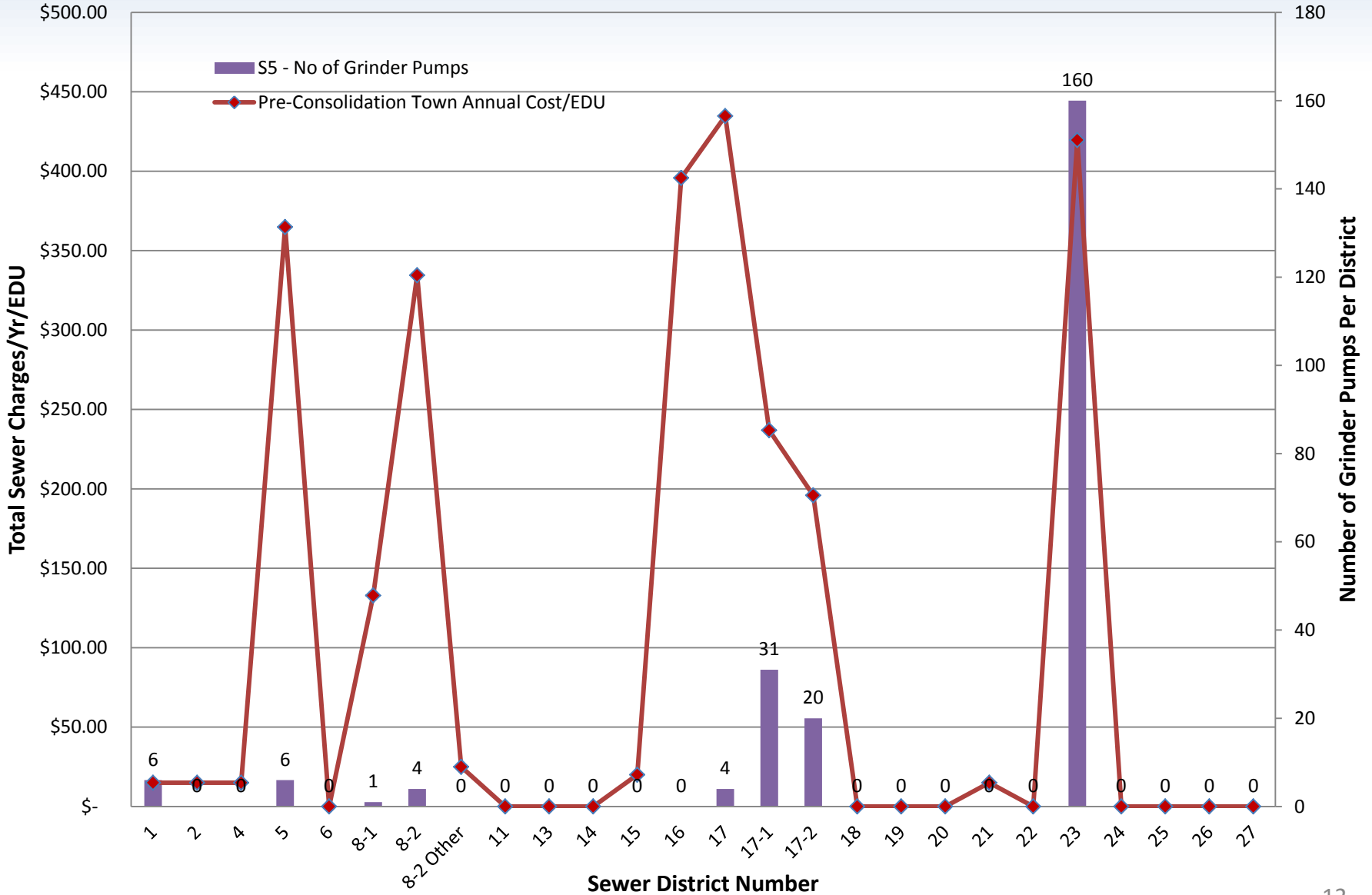
# Scenario 4 – Consolidation of Debt-Free Sewer Districts

- Debt-Free Districts
  - All debt-free districts will all be consolidated.
  - Expenses for Debt-Free Districts = \$6,289
  - EDUs = 218
- Districts with outstanding debt include: SD#5, SD#8-2 (pd. In 2019), SD#16 (pd. In 2019), and SD#17, SD#17-1, SD#17-2, and SD#23. These districts will all remain “as is”.
  - These districts will be consolidated with debt-free districts as their existing debt is paid off
  - Total consolidation would decrease number of districts from 25 to 8

# Sewer District Consolidation Scenario 4



# Sewer District Consolidation Scenario 5 – Grinder Pumps

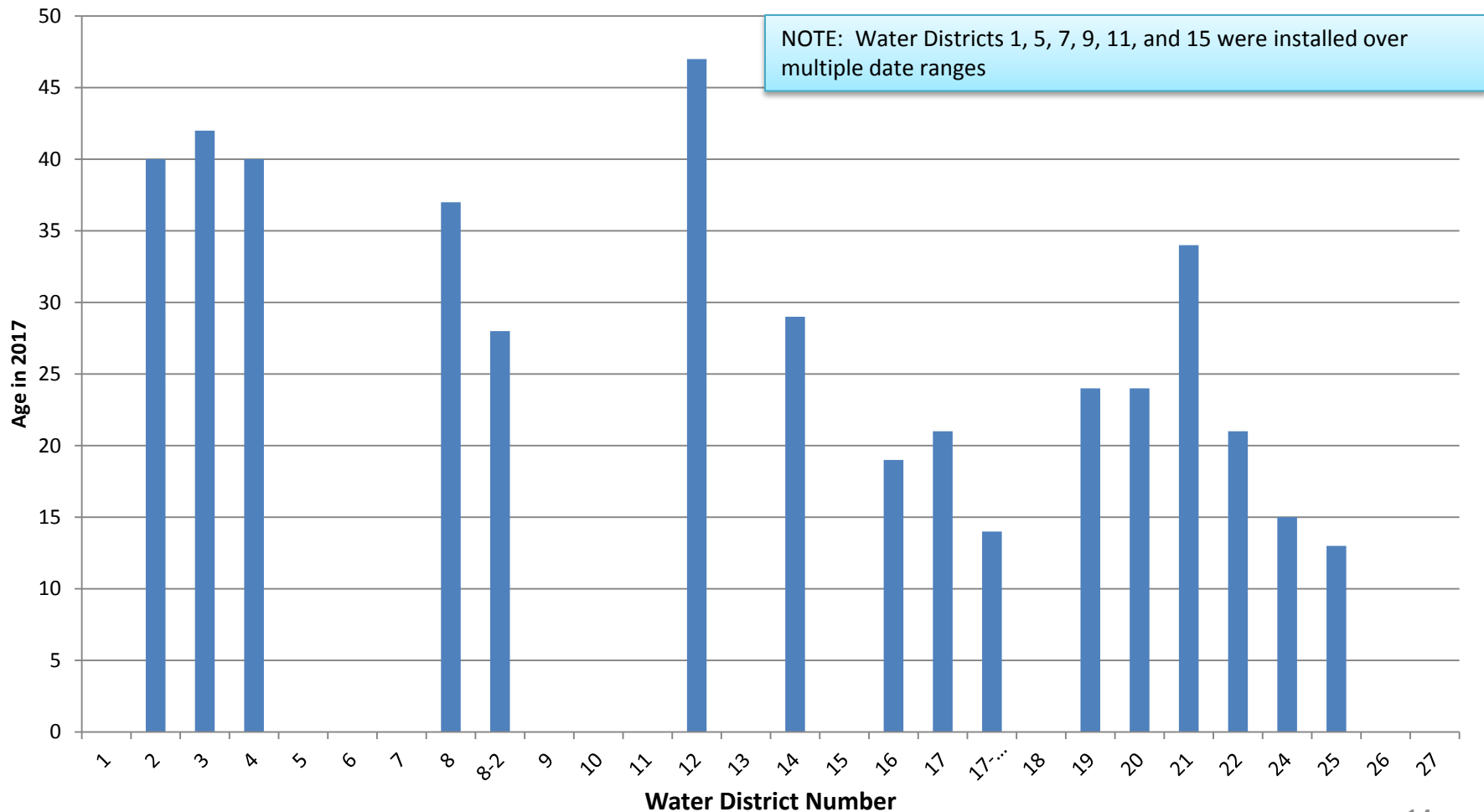


# Scenario 5 – Consolidation of Sewer Districts with Grinder Pumps

- Issue: Districts that have grinder pumps also have customers that do not have grinder pumps. If any district with 1 or more grinder pumps were consolidated, it would be difficult to justify why customers in those existing districts without grinder pumps are not grouped in districts without grinders. Re-doing all of the existing district boundaries to “cut-out” non-grinder pump customers would be administratively challenging and difficult to manage going forward.
- Recommendation: Eliminate consolidation based on whether system has grinder pump from further analysis.

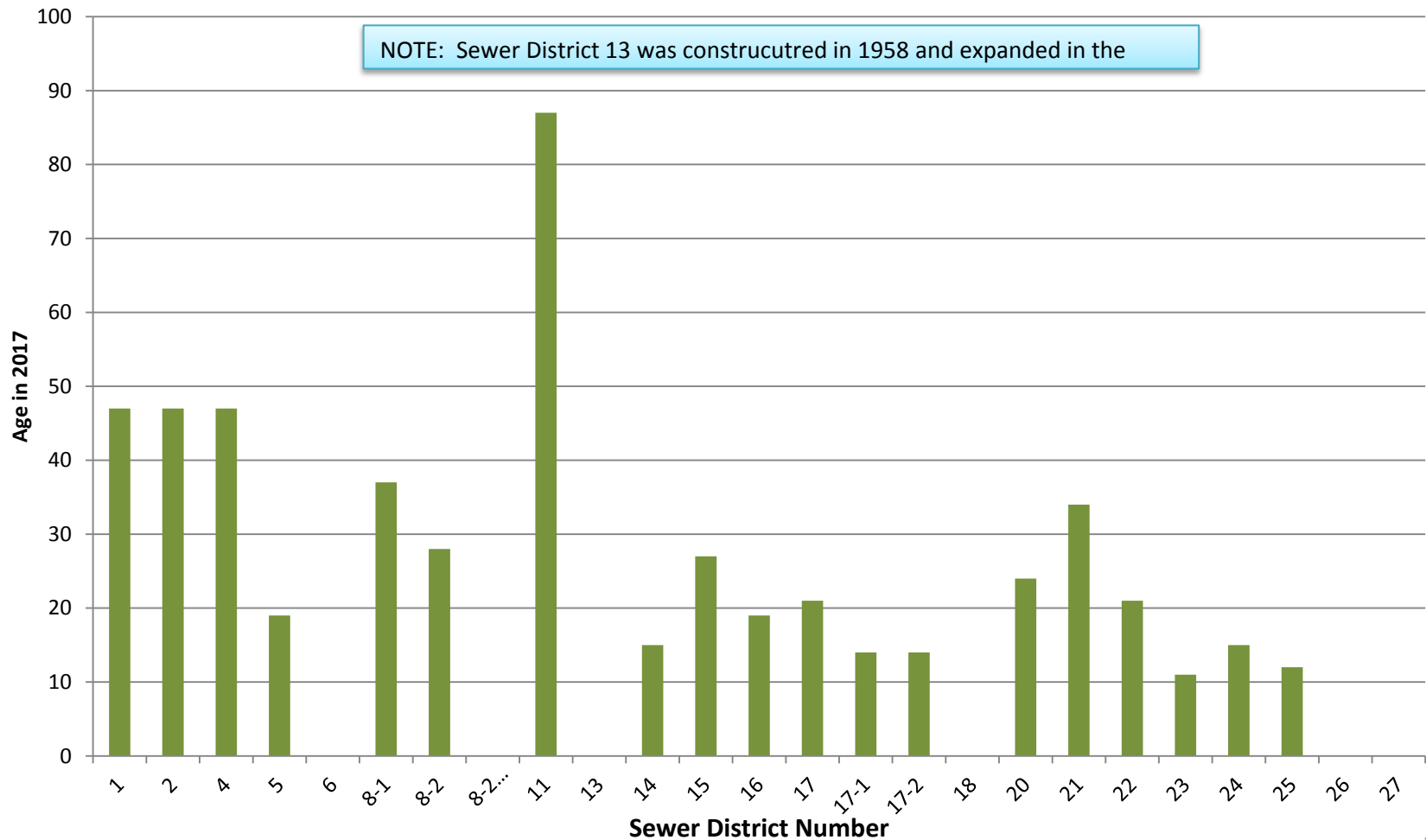
# Scenario 6 – Consolidation of Water Districts of Similar Age

## Water System Age



# Scenario 7 – Consolidation of Sewer Districts of Similar Age

## Sewer System Age



# **Scenario 6 & 7 – Consolidation of Water & Sewer Districts of Similar Age**

- Issue: Given wide range of age of construction of districts, and several districts that were constructed over multiple years sometime spanning decades, it would be difficult to define criteria to consolidate districts based on system age.
- Recommendation: Eliminate consolidation based on system age from further analysis.



# Next Steps

- Estimate efficiency/cost savings for alternatives
  - Simplification of billing/collection
  - Simplification of Village cost tracking in accordance with IMA
  - Simplification of accounting/AUD reporting
- Quantify other Benefits
  - More sustainable asset management w/ maintenance and reserve funding
  - Stabilization of water/sewer budgets to allow for planned and unforeseen maintenance/repairs
- Determine which consolidation alternative to recommend
- Draft Alternatives Report

# Questions or Comments?



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