



THE COST OF CLEAN

2016 WISCONSIN SEWER USER CHARGE SURVEY REPORT

OCTOBER 13, 2016



Overview

The Survey

Cost of Sewer

Cost of Water

Collection Systems

Affordability

What is the value of water?

The Survey

Survey was emailed Statewide in January

Completed surveys returned Jan – April

- Survey Monkey

Final Report is done!

The Survey



2016 Wisconsin Sewer User Charge Survey

Contact Information

Name	Title	City
Email	Phone	County

I. General Sewer System Information

Type of Sewer System
 City | Sanitary District | Village |
 Other (please specify) _____

Current population (number of people, not number of households) served by wastewater treatment facility: _____

Does your community own and operate a wastewater treatment facility?
 No (i.e. you operate a sewer collection system)
What entity treats your community's sewage? _____ (skip to Section V)
 Yes (i.e. you operate under a WPDES permit)
List all other Cities, Villages, and Sanitary Districts, from which wastewater is accepted to your facility, if any: _____

II. Treatment Facility Information (check all that apply)

Lagoon System: Aerated Lagoon Stabilization Pond
 Not applicable

Activated Sludge System: Conventional Activated Sludge
 Membrane Bioreactor Oxidation Ditch Package Plant
 Sequencing Batch Reactor (SBR) Not applicable

Fixed Film System: Trickling Filter/Bio-Tower
 Rotating Biological Contractor (RBC) Recirculating Sand Filter
 Moving Bed Bioreactor Not applicable

Effluent Filtration System: Deep Bed Sand Media
 Traveling Bridge Sand Media Cloth Media
 Not applicable

Other System (please specify): _____

Contact us at ratesurvey@msa-ps.com if you have any questions.

V. Rate Information

What is your billing frequency?
 Monthly (12/year) | Bi-monthly (6/year)
 Quarterly (4/year) | Annually (1/year)

What are your Residential Fixed Fee sewer rates in dollars as of January 1, 2016 (per bill)?
 \$ _____

What volume is included in the Residential Fixed Fee, if any?
 \$ _____ Cubic feet or Gallons

What are your Residential Volume Charge sewer rates in dollars as of January 1, 2016 (per bill)?
 \$ _____ Per 1,000 Gallons or Per 100 Cubic Feet

Effective date of last rate increase (mm/dd/yyyy):

Do you anticipate a rate increase in 2016?
 No | Yes, _____% rate increase (approximate)

Which residential sewer connection fee do you charge? If so, how much?
 Residential Hook-up Fee \$ _____ Acre Equivalency Unit
 Impact Fee \$ _____ Acre Equivalency Unit
 Meter Size Other
 Meter Size Other
 Neither/Unsure

VI. Hauled Waste

Do you accept Hauled waste?
 Yes | No (skip to section VII)

Do you accept Holding Tank waste?
 No
 Yes, disposal charge:
 \$ _____ cost per load
 \$ _____ cost per 1,000 gallons

Do you accept Septic Tank waste?
 No
 Yes, disposal charge
 \$ _____ cost per load
 \$ _____ cost per 1,000 gallons

Contact us at ratesurvey@msa-ps.com if you have any questions.

VII. High Strength Waste Charges

Do you assess a surcharge for high strength or industrial wastes?
 Yes | No (skip to section VIII)

If yes, which of the following High Strength Wastes are you surcharging? Answer all that apply:
 BOD \$ _____ per lb above mg/l _____
 TSS \$ _____ per lb above mg/l _____
 Nitrogen \$ _____ per lb above mg/l _____
 Phosphorus \$ _____ per lb above mg/l _____

VIII. Budget Information

What is your projected sewer utility budget for 2016 (or actual expenditures for 2015)? Include operation, maintenance, replacement and debt.
 \$ _____

Are any General Fund Revenues derived from property tax levy allocated to the sewer utility?
 No
 Yes, \$ _____ Dollars or Mill Rate

IX. Collection Systems

Do you own and operate a collection system?
 Yes | No (skip to section X)

What is the approximate length of your collection system in miles (if known)? _____

What is the approximate age in years of your oldest sewer? _____

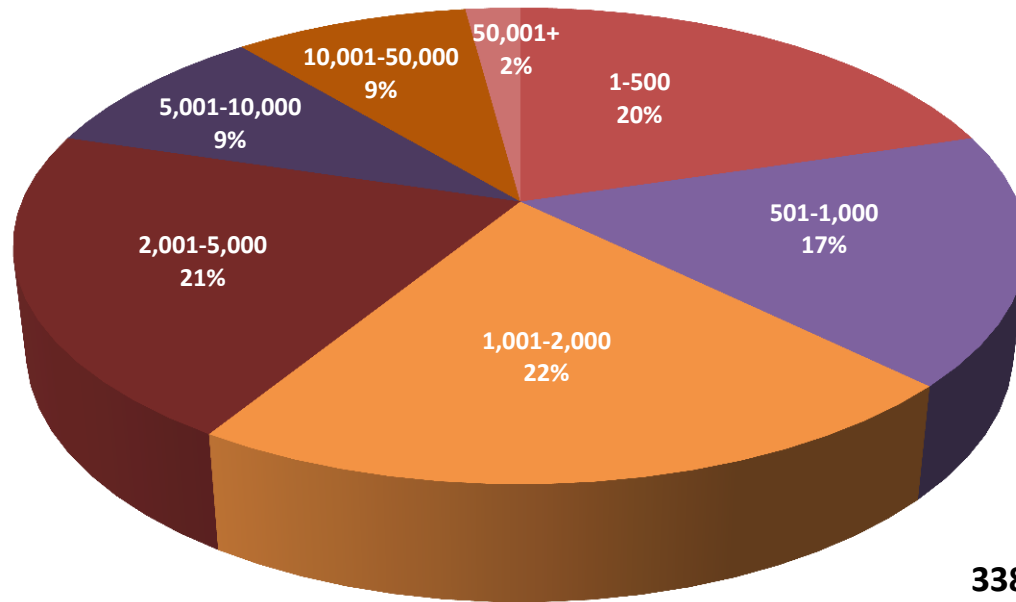
Are you regularly televising a portion of your collection system?
 No
 Yes, _____% total collection system length televised annually

X. Comments

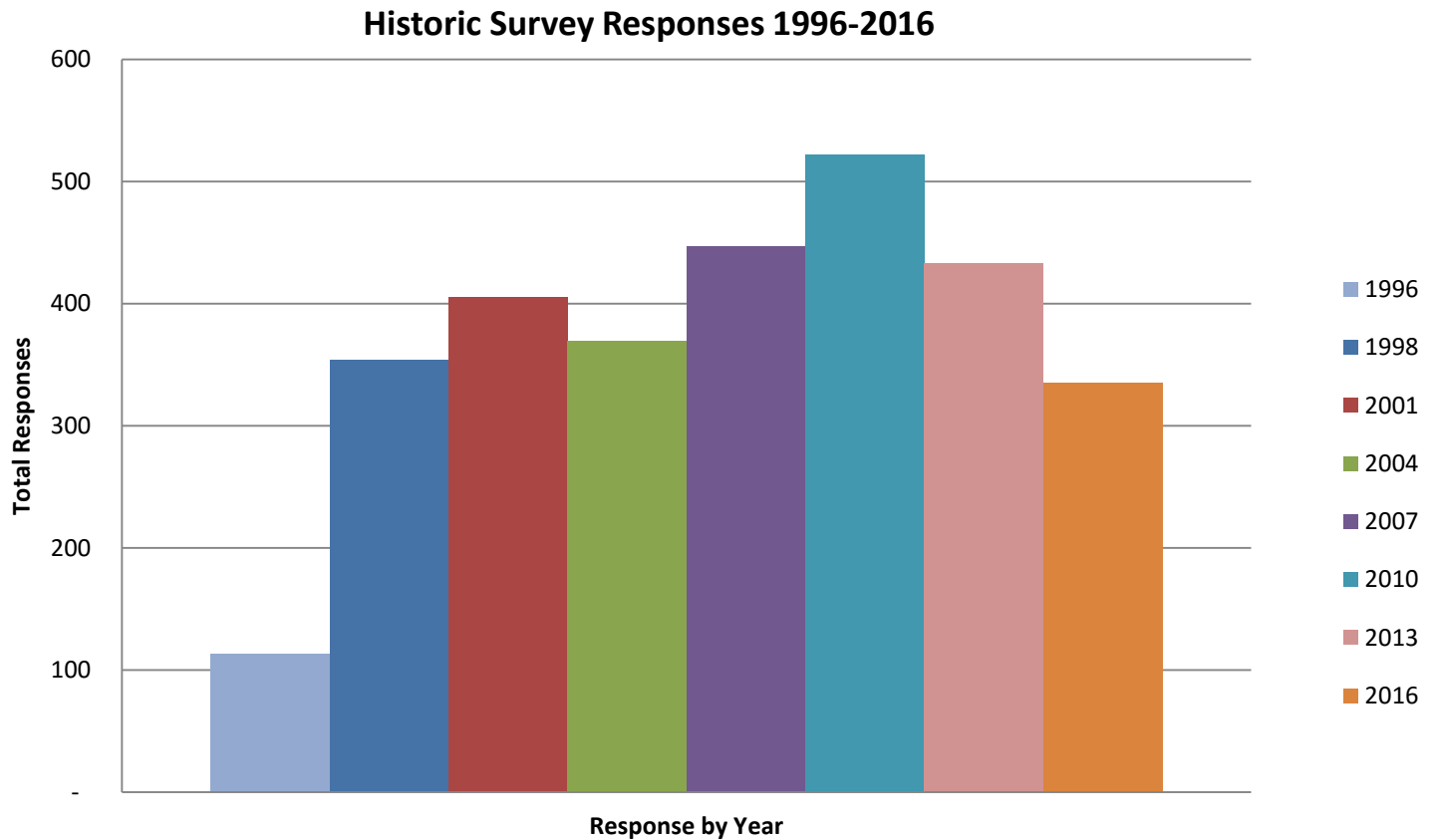
Thank you for taking the time to fill out the 2016 Sewer User Charge survey.

2016 Survey Responses

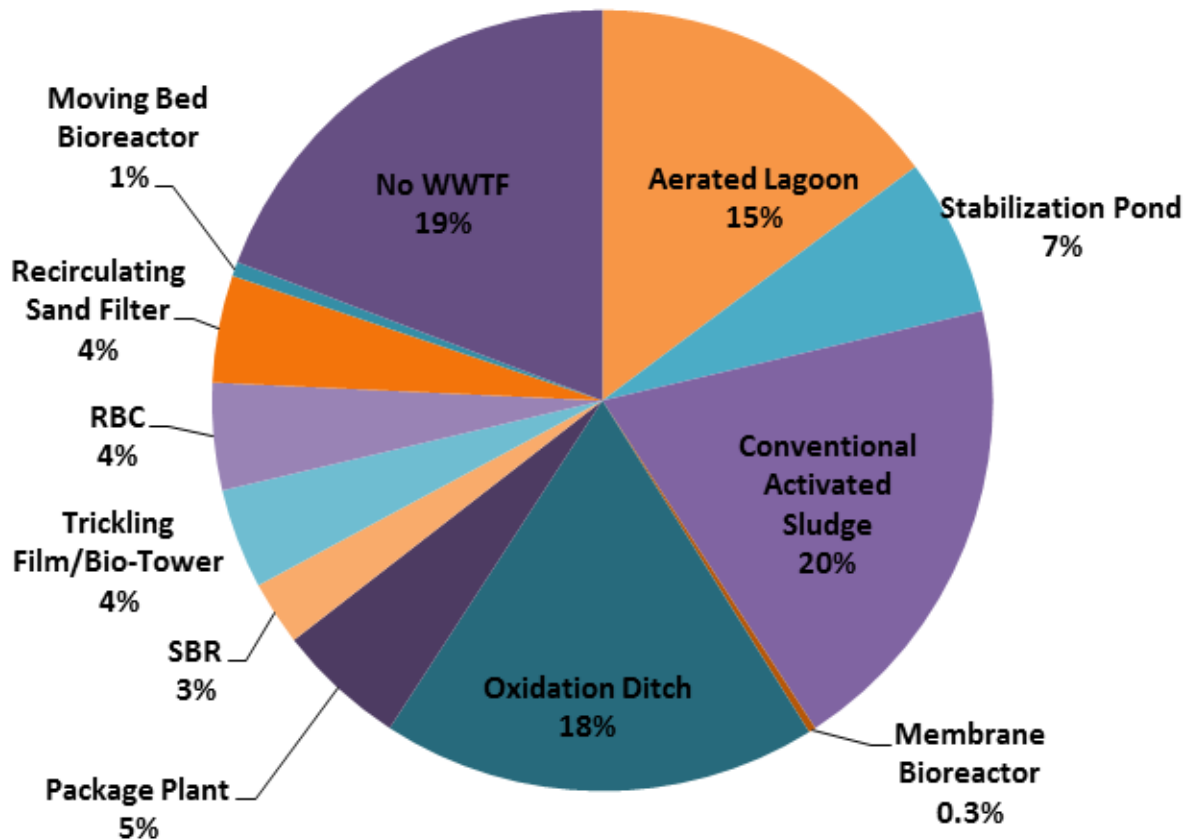
Breakdown of Respondents by Population



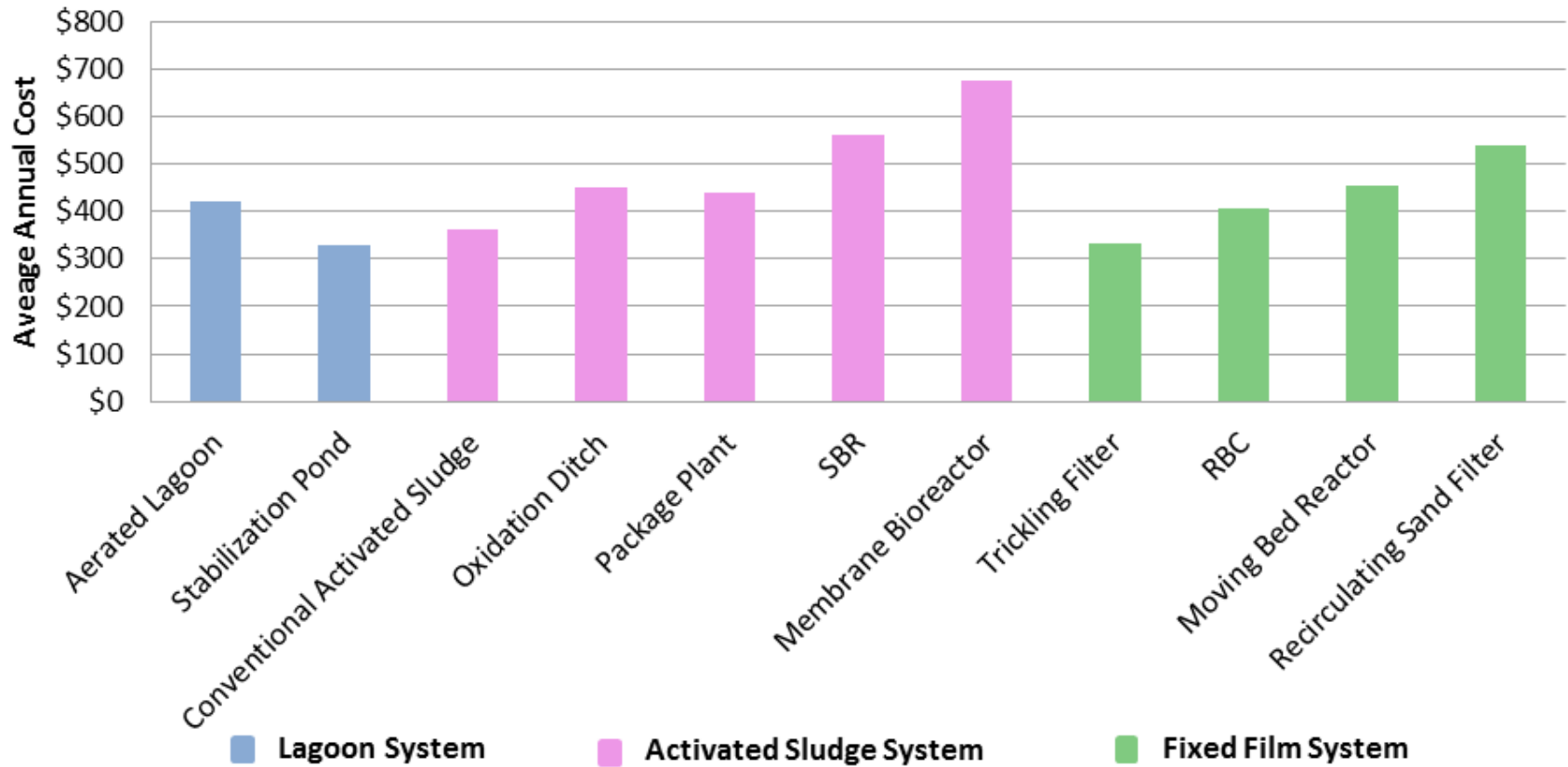
Historic Survey Responses



Distribution of Treatment Type

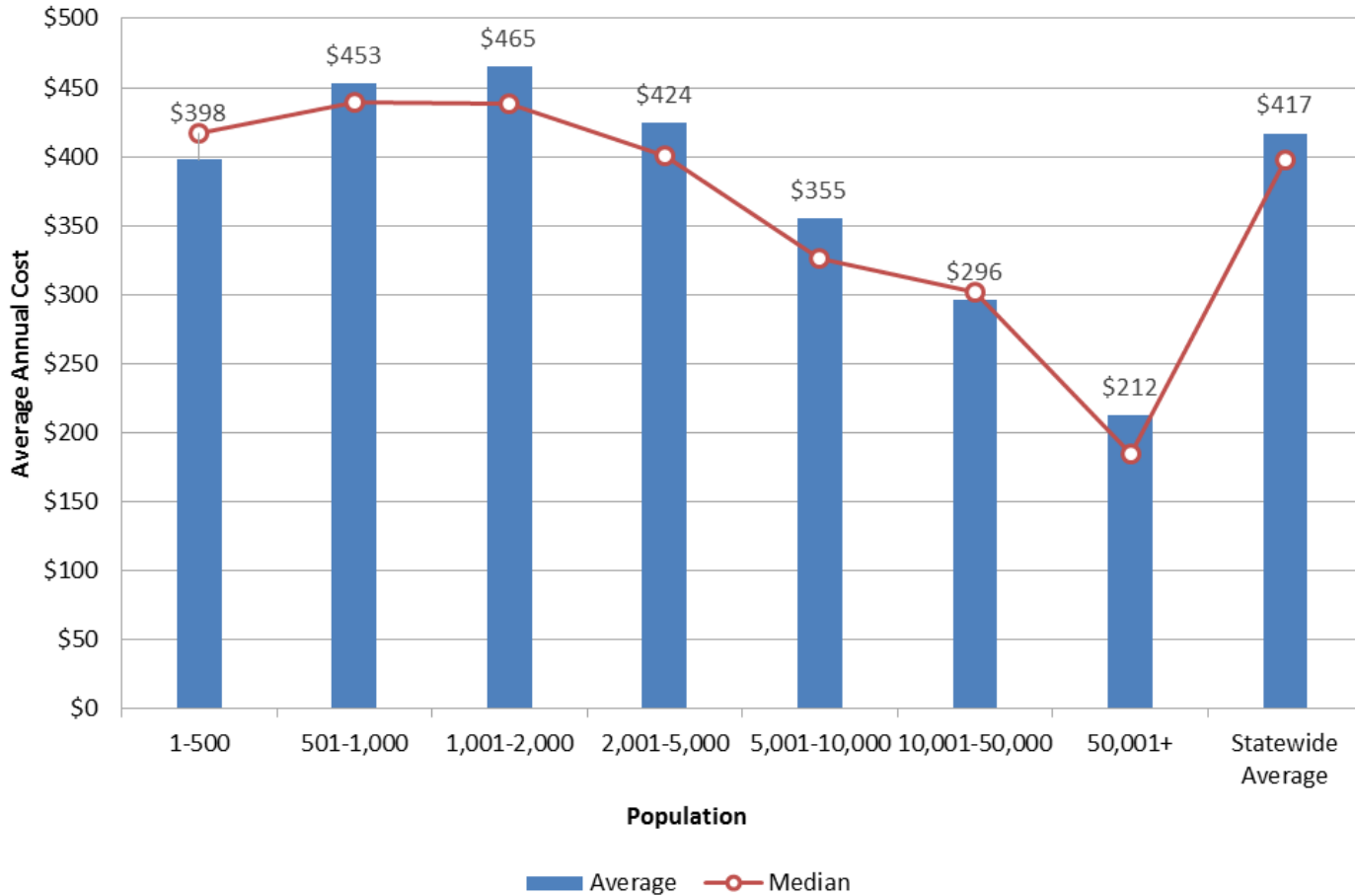


Annual Cost by Treatment Type

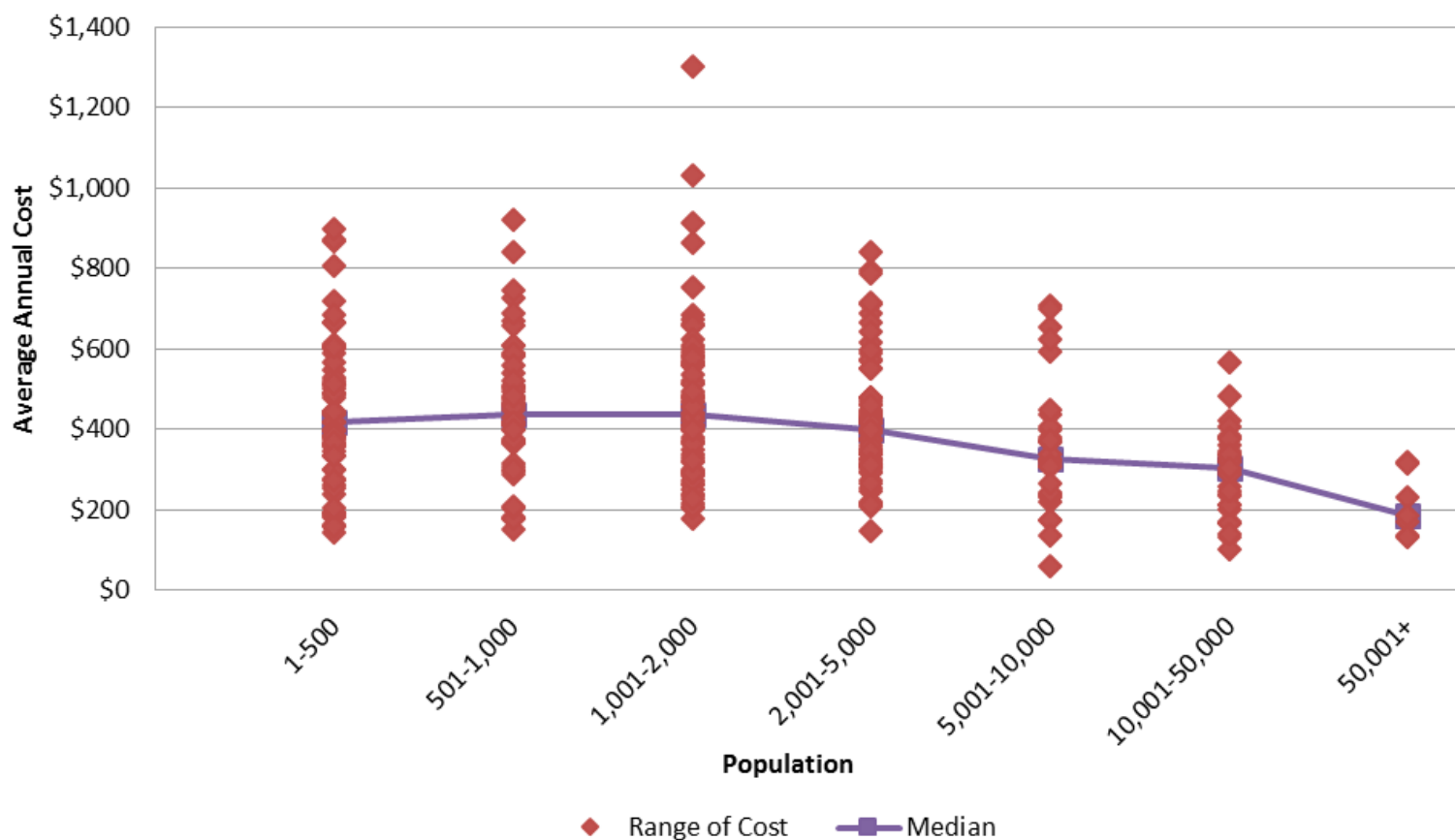


Annual Sewer Rates

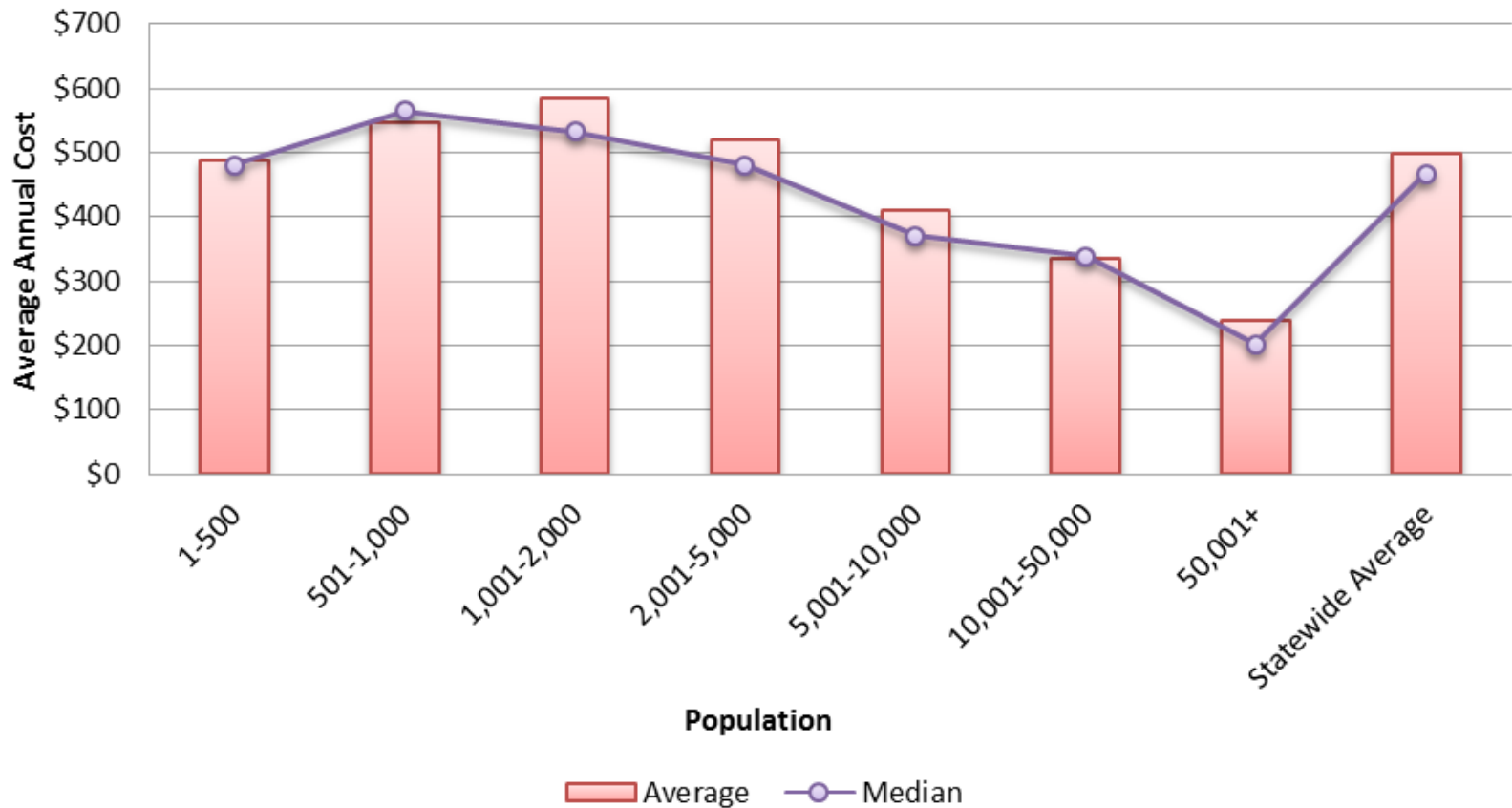
Annual Sewer Rates (based on actual usage)



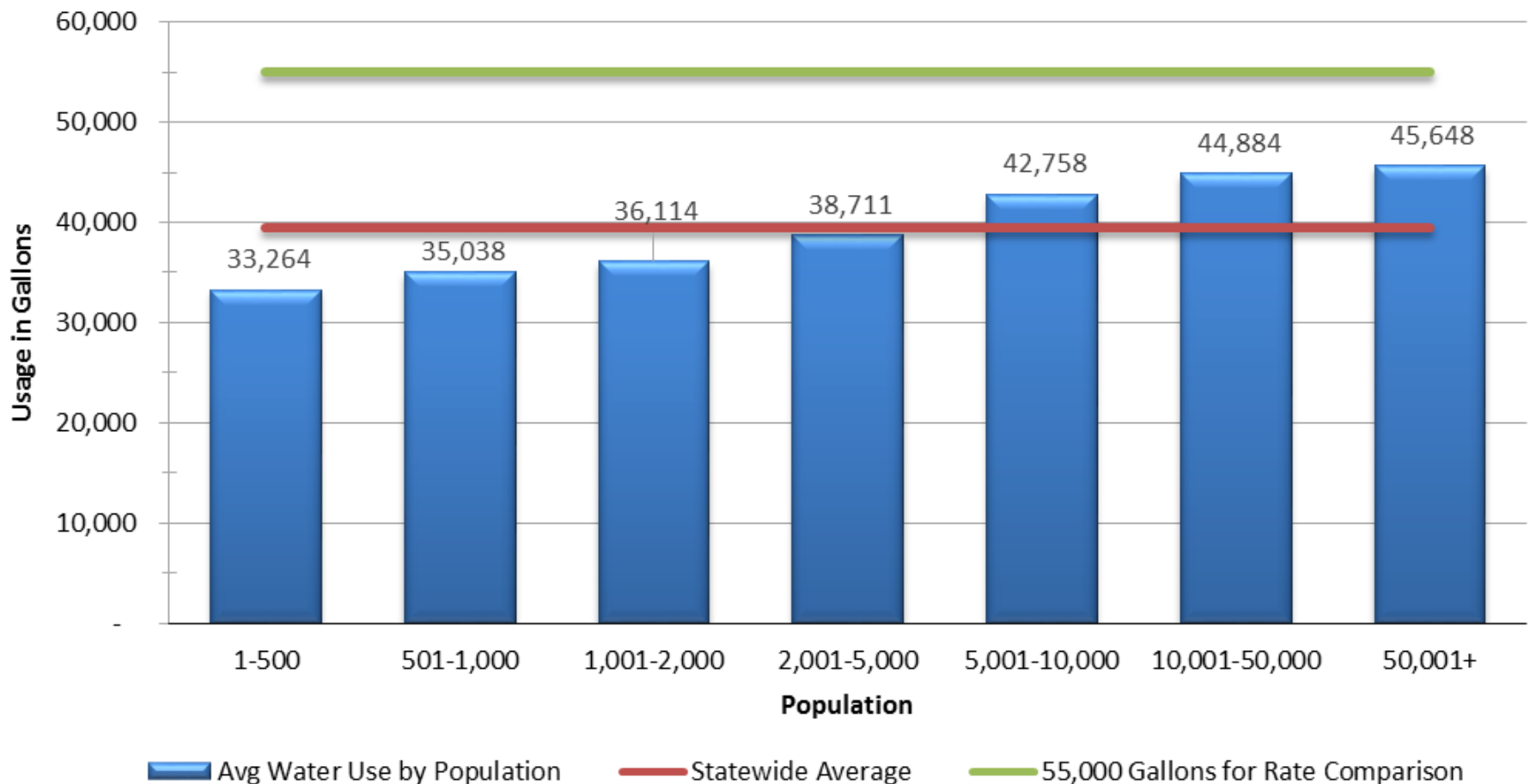
Variation of Sewer Charges (based on actual usage)



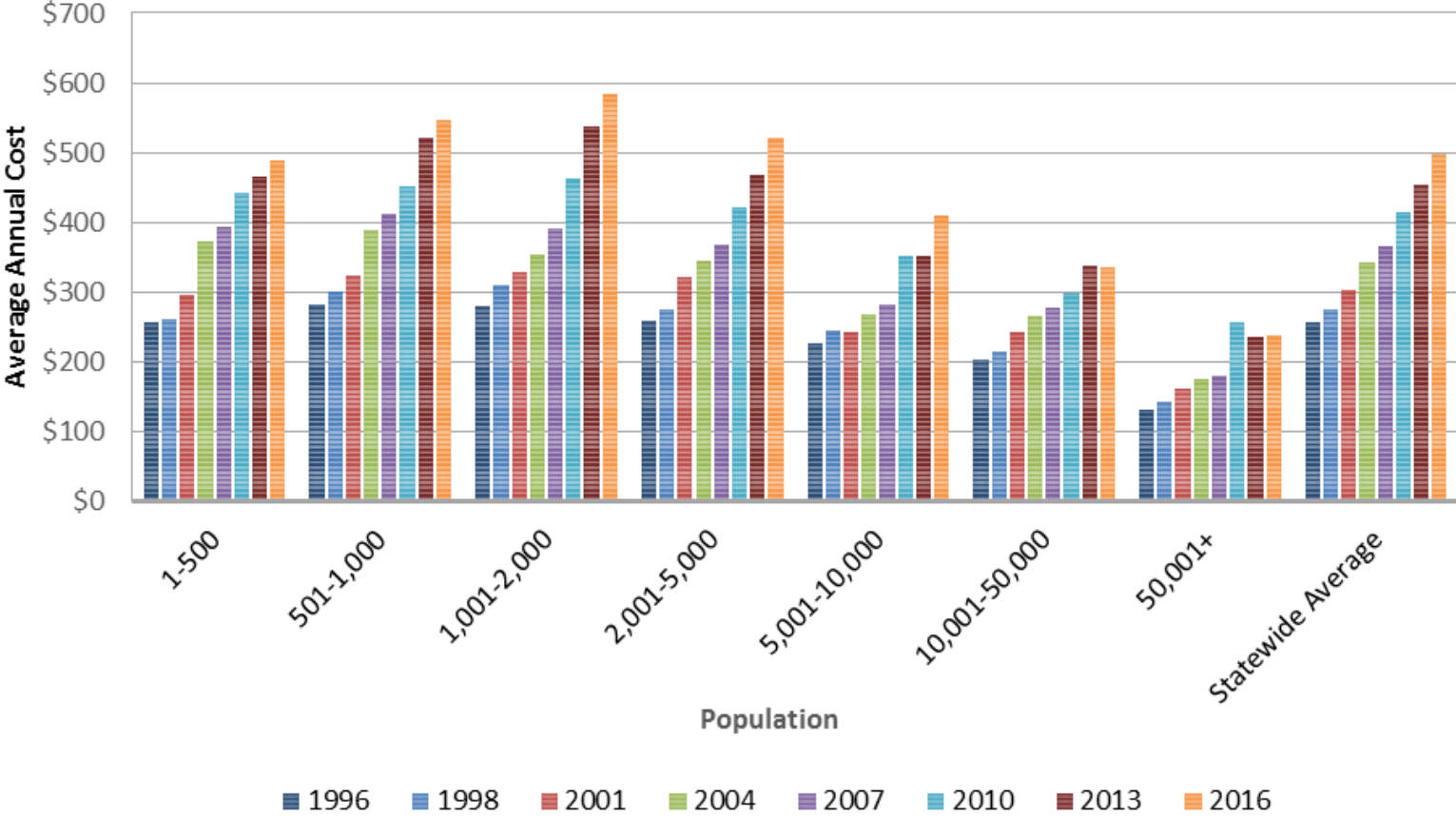
Annual Sewer Rates (based on 55,000 gpy)



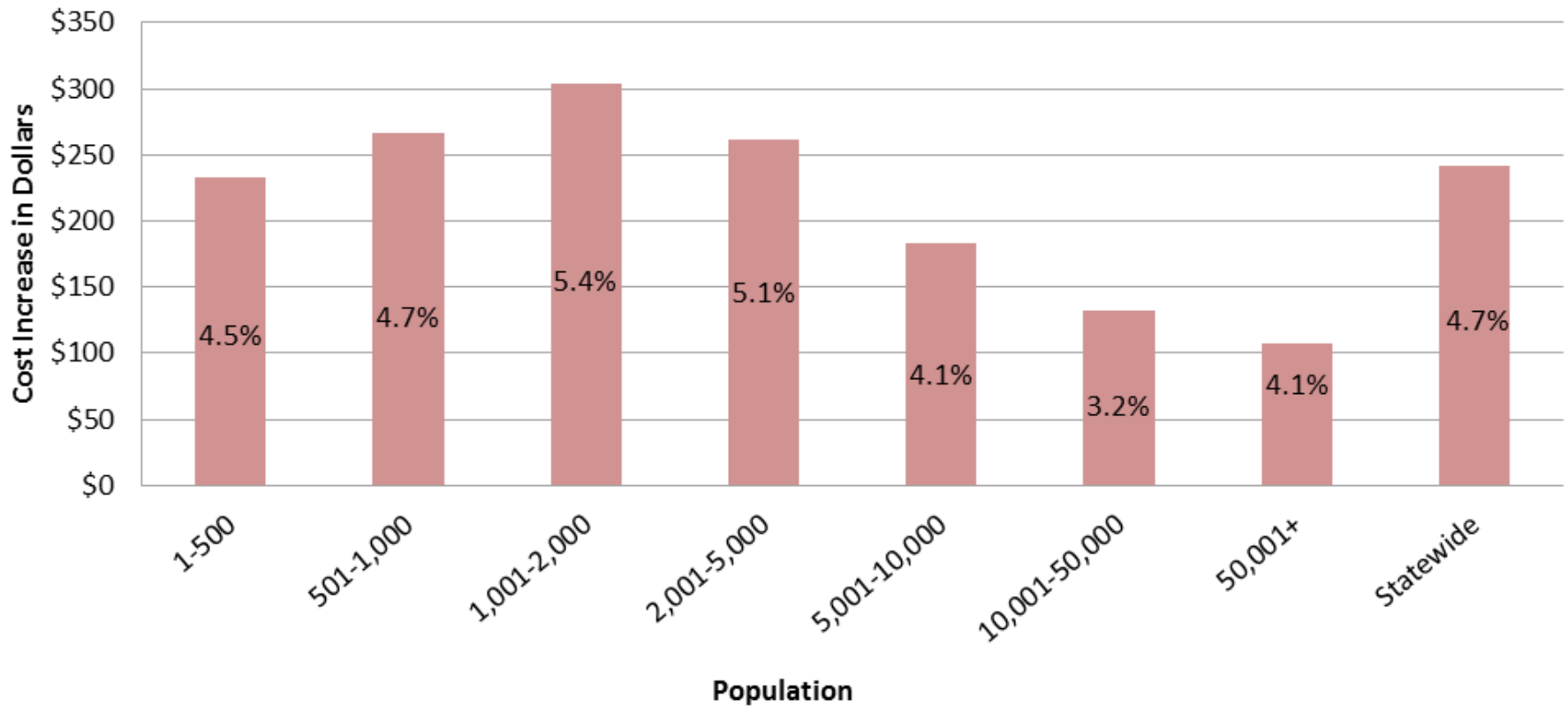
Residential Water Use by Population (2015)



Historic Sewer Charges (based on 55,000 gpy)

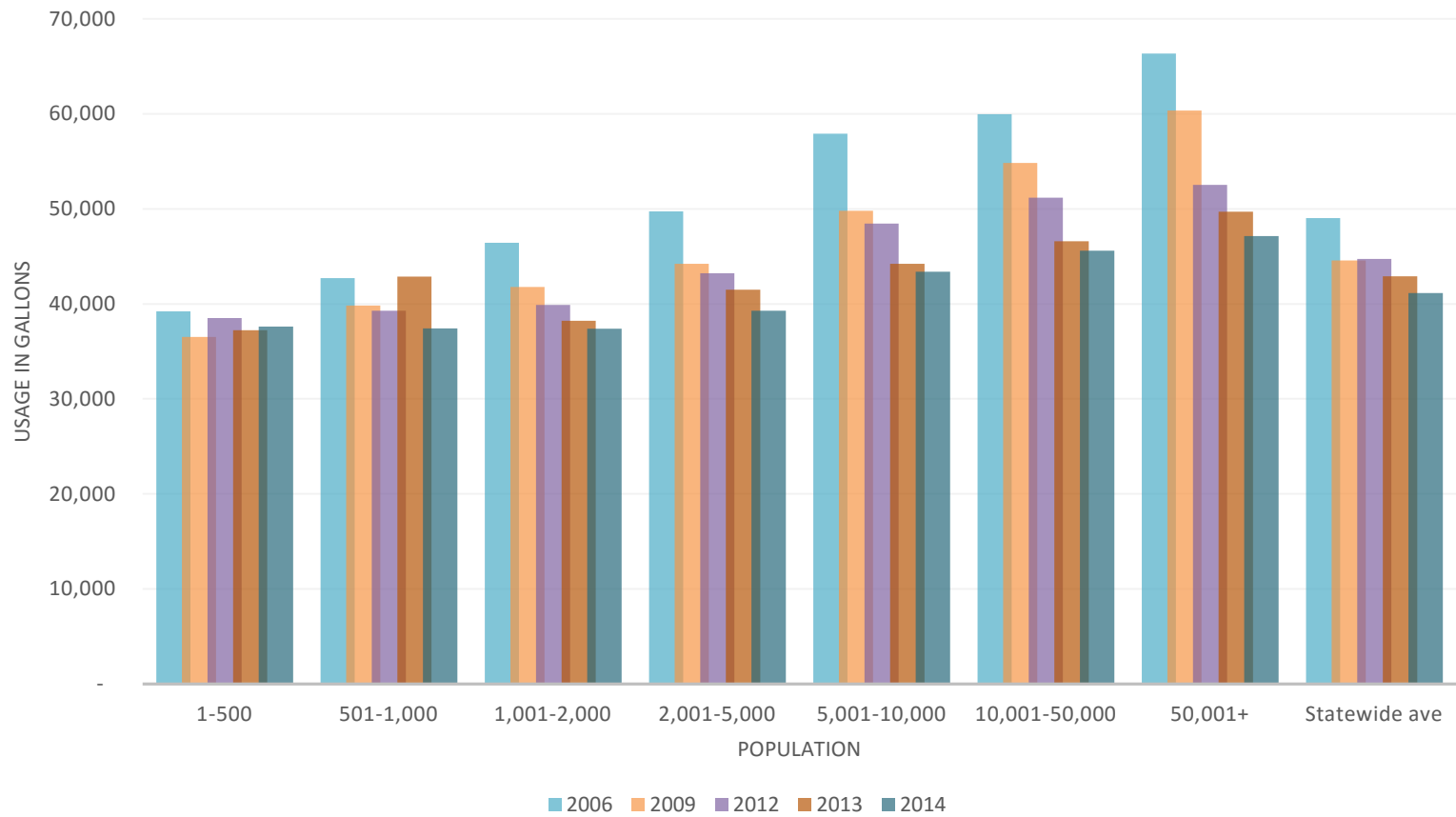


Sewer Cost Increase Since 1996

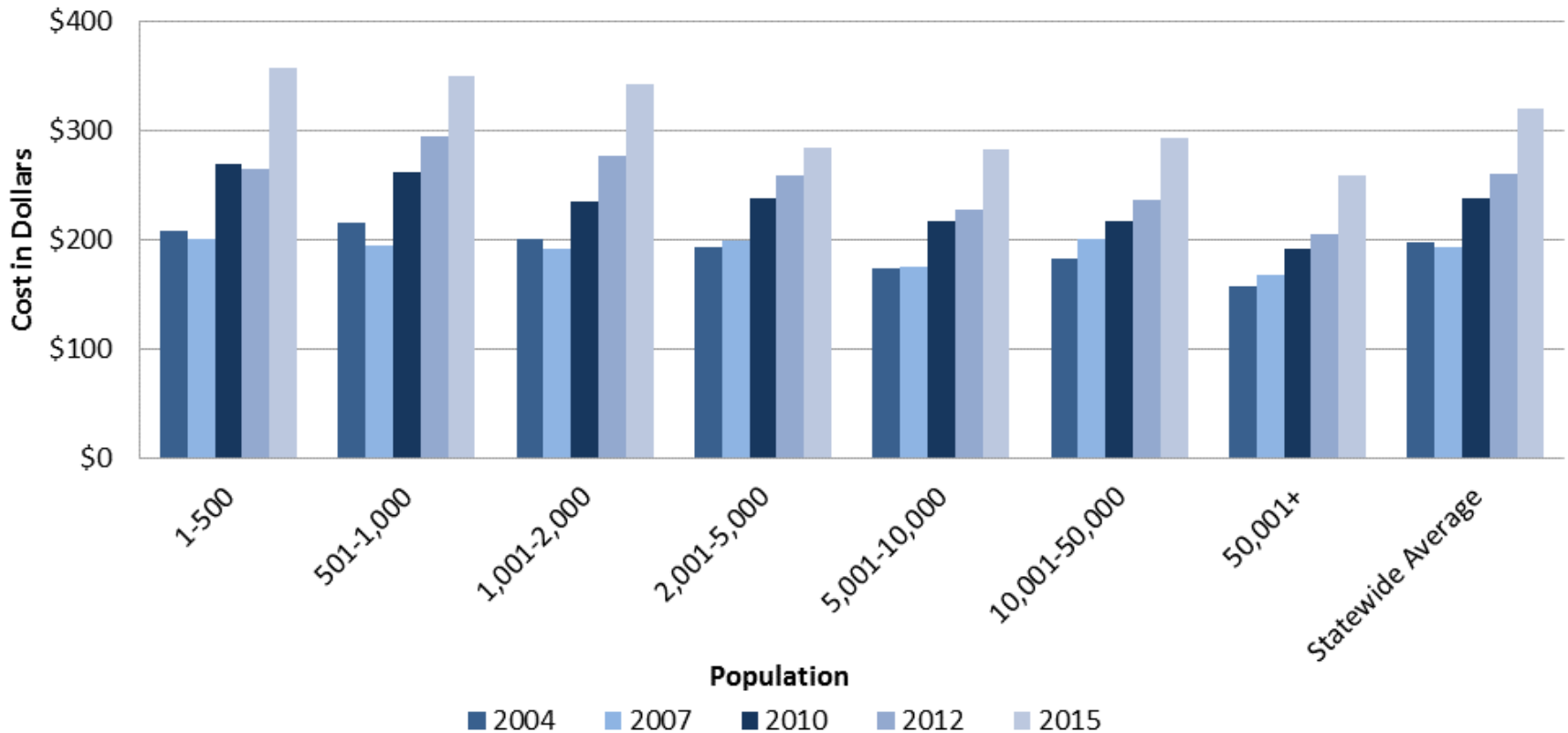


Water Use and Cost

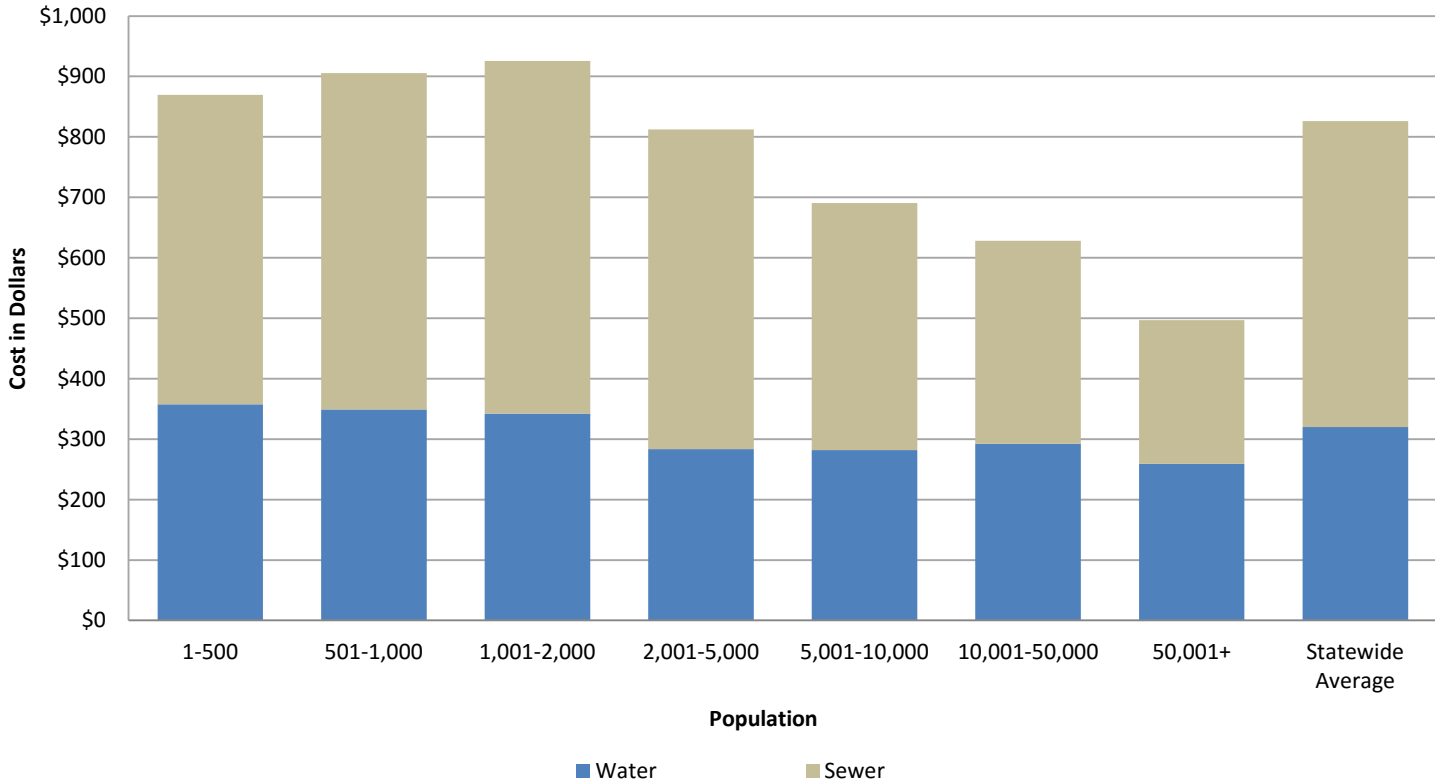
Historic Water Use by Population



Historic Water Rates by Population (based on 55,000 gpy)

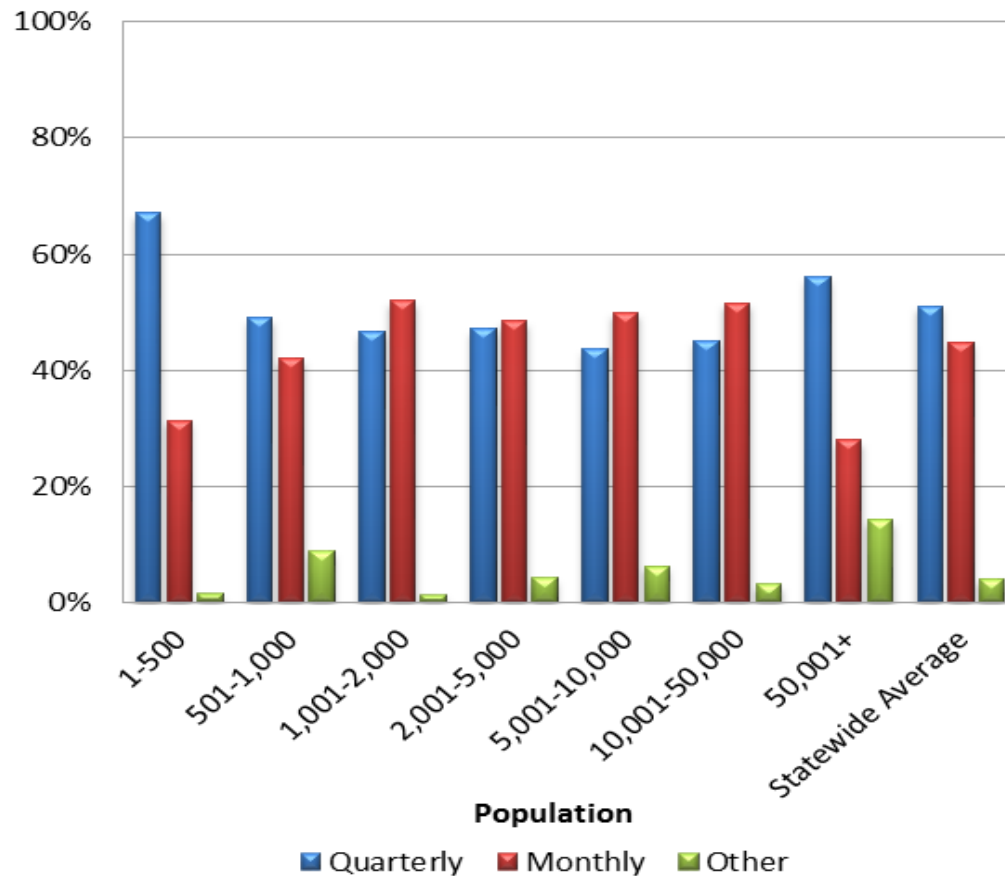


2016 Water and Sewer Rates by Population

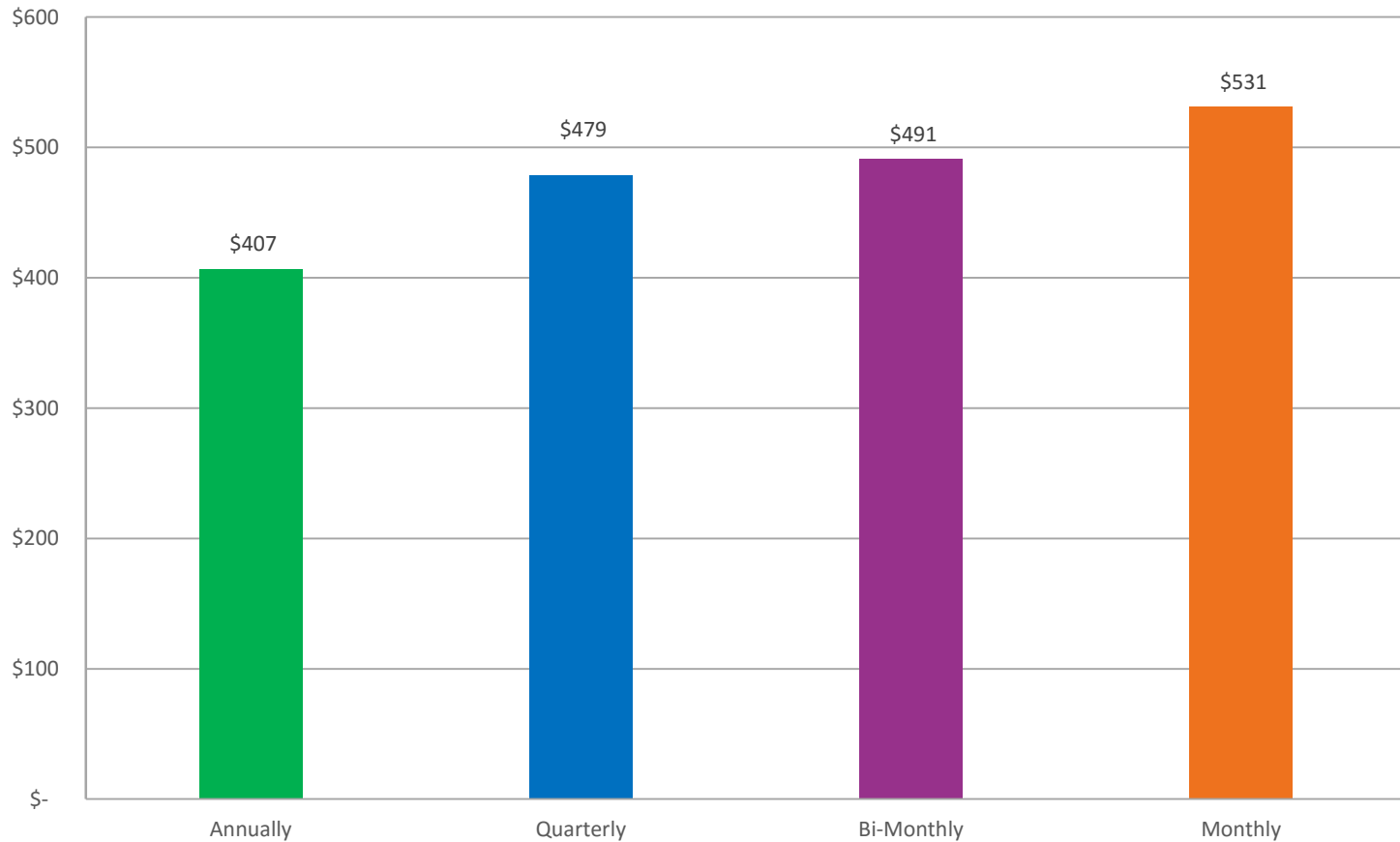


Sources of Sewer Revenue

Billing Frequency

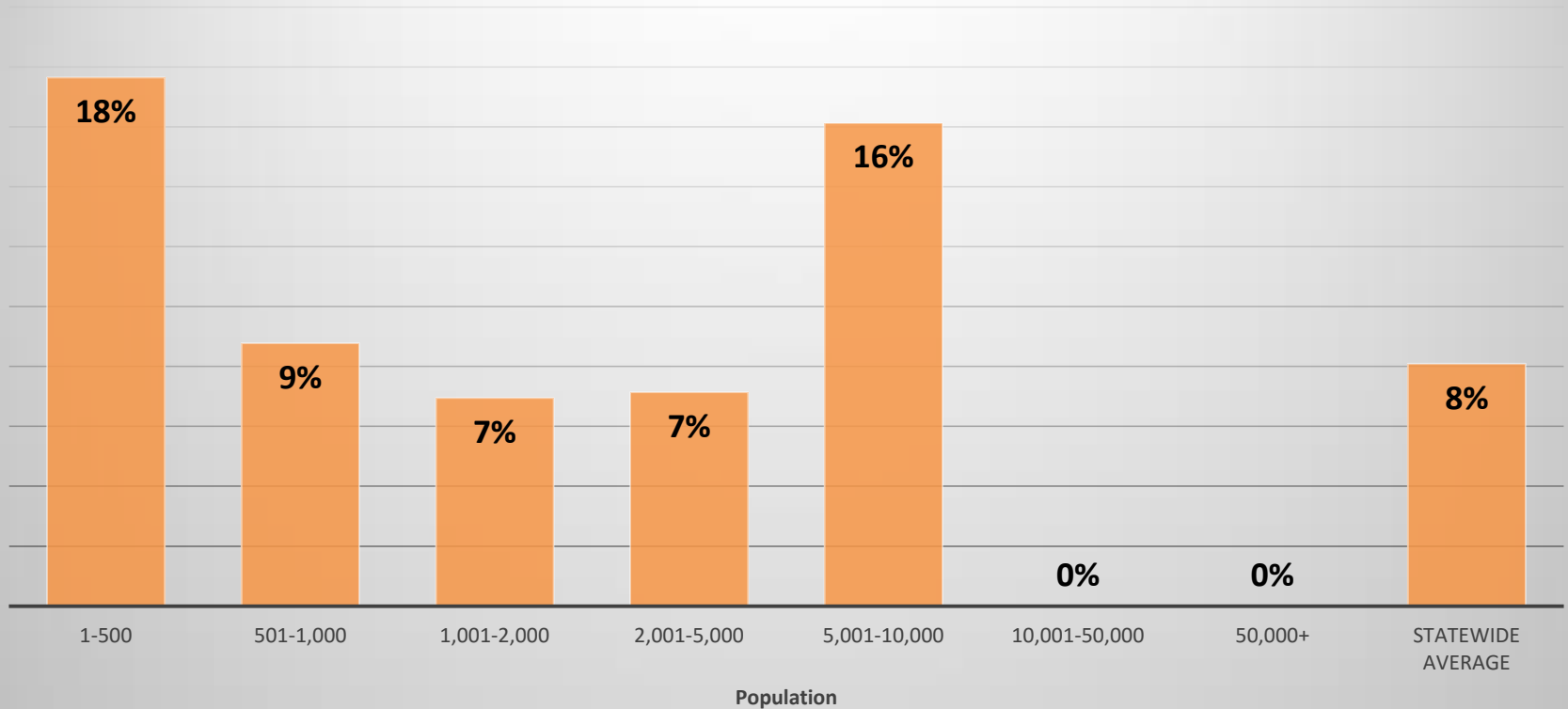


Annual Charge Compared to Billing Frequency

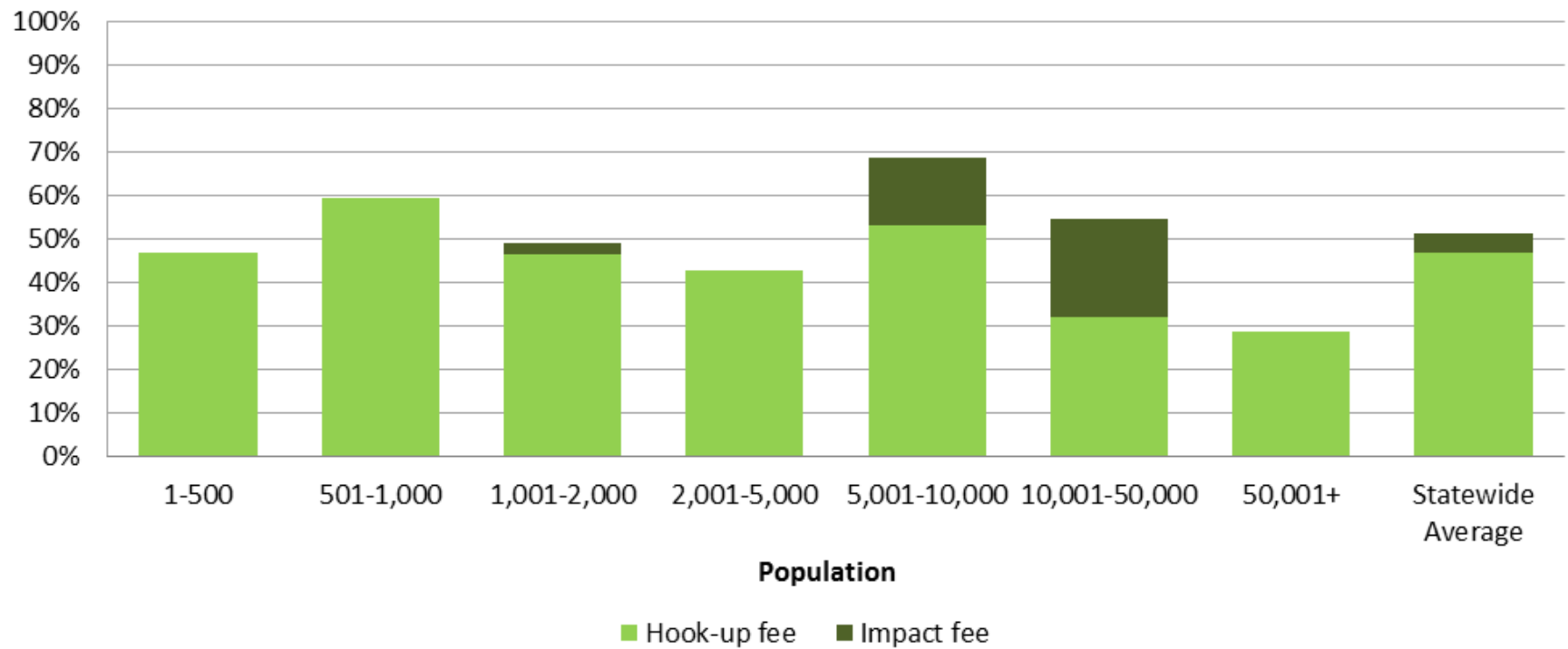


Revenue Source - Property Tax

Percent of Communities with a Property Tax Component by Population

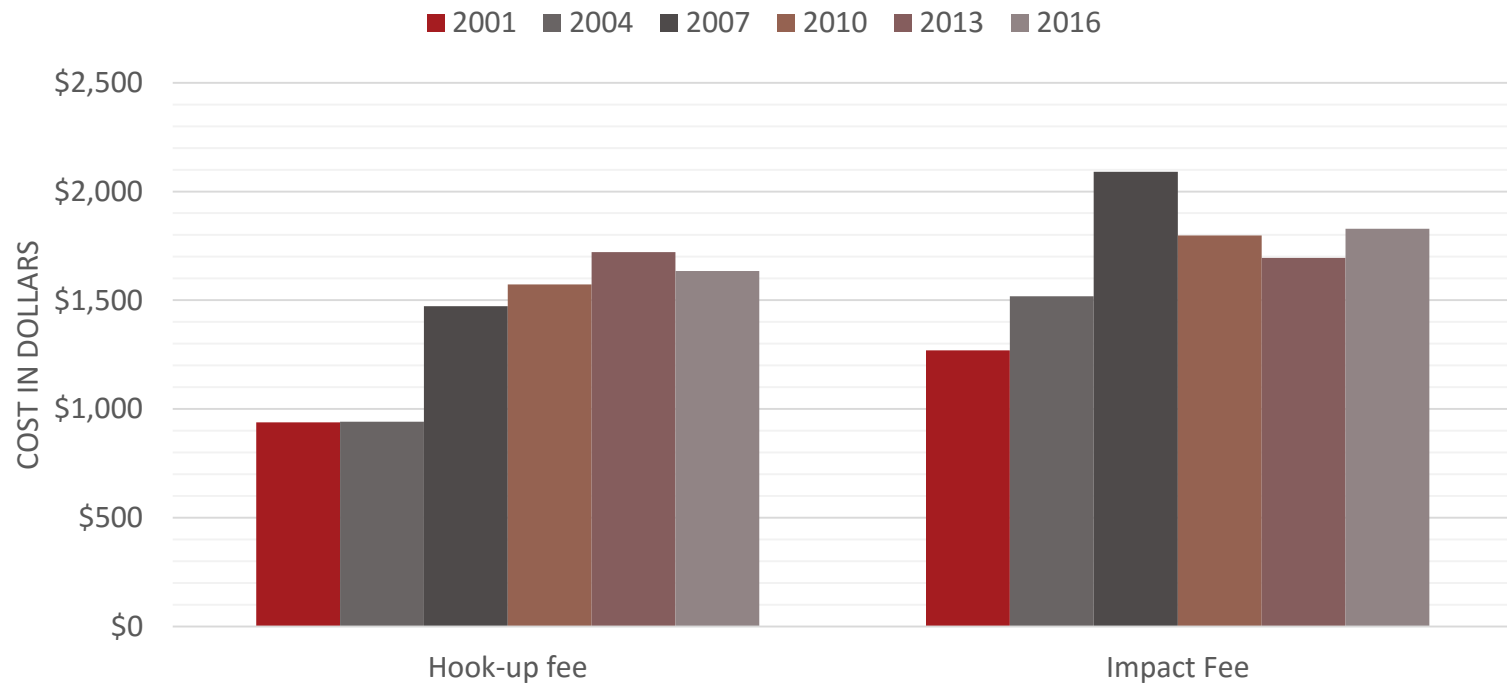


Revenue Source - Impact and Connection Fees

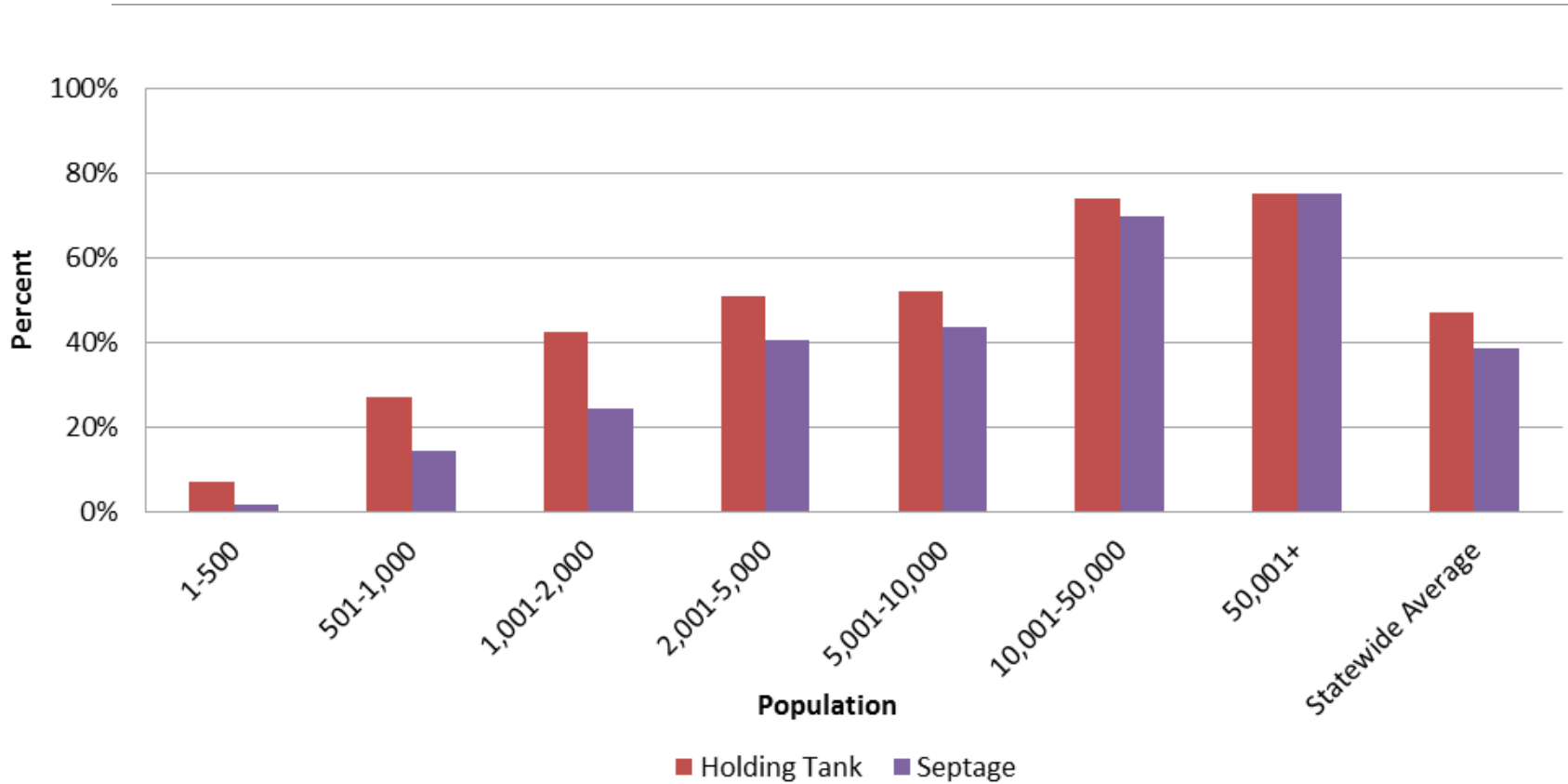


Historic Connection Fee Charges

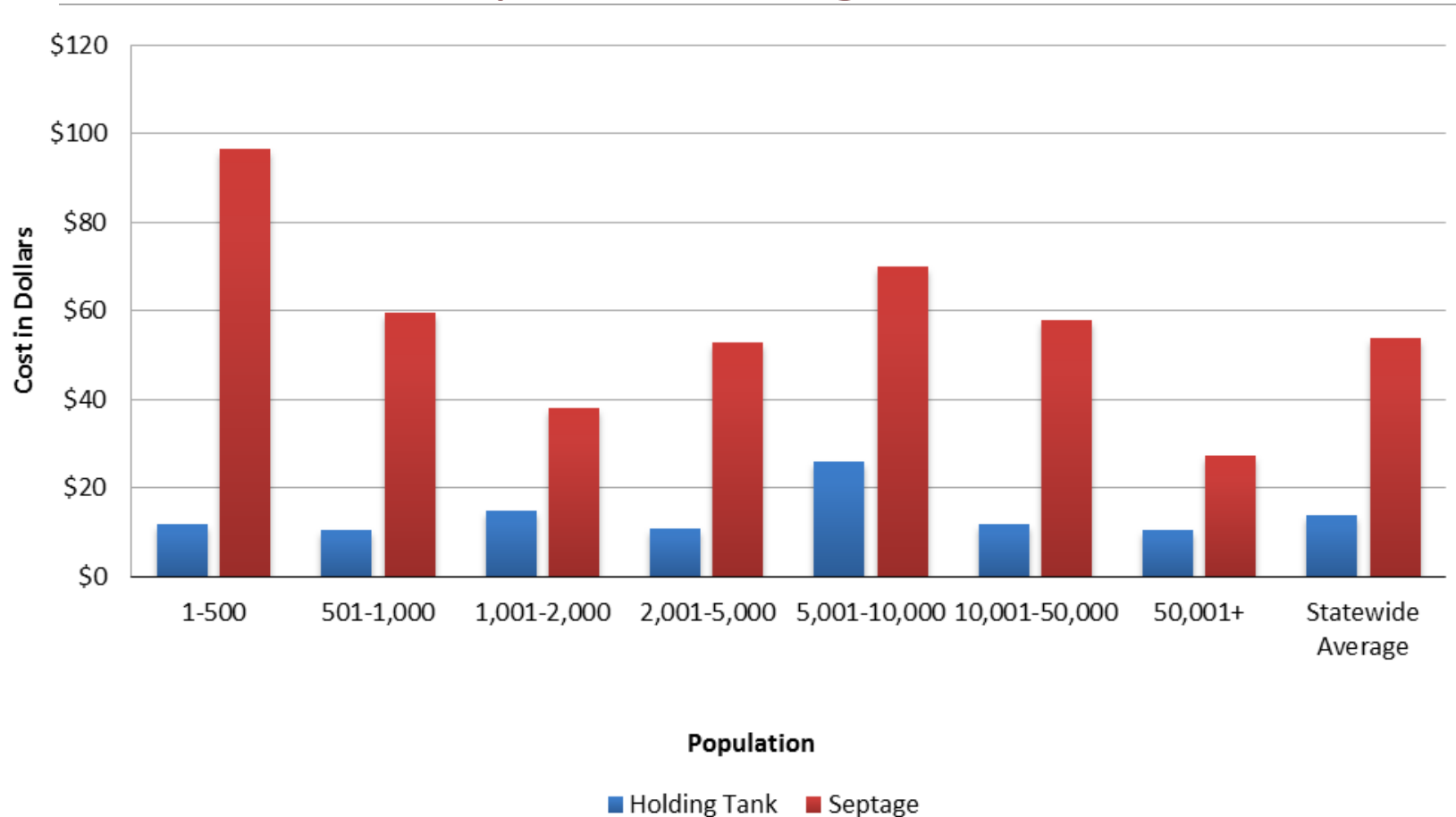
2001-2016 Statewide Average Hook-up and Impact Fee



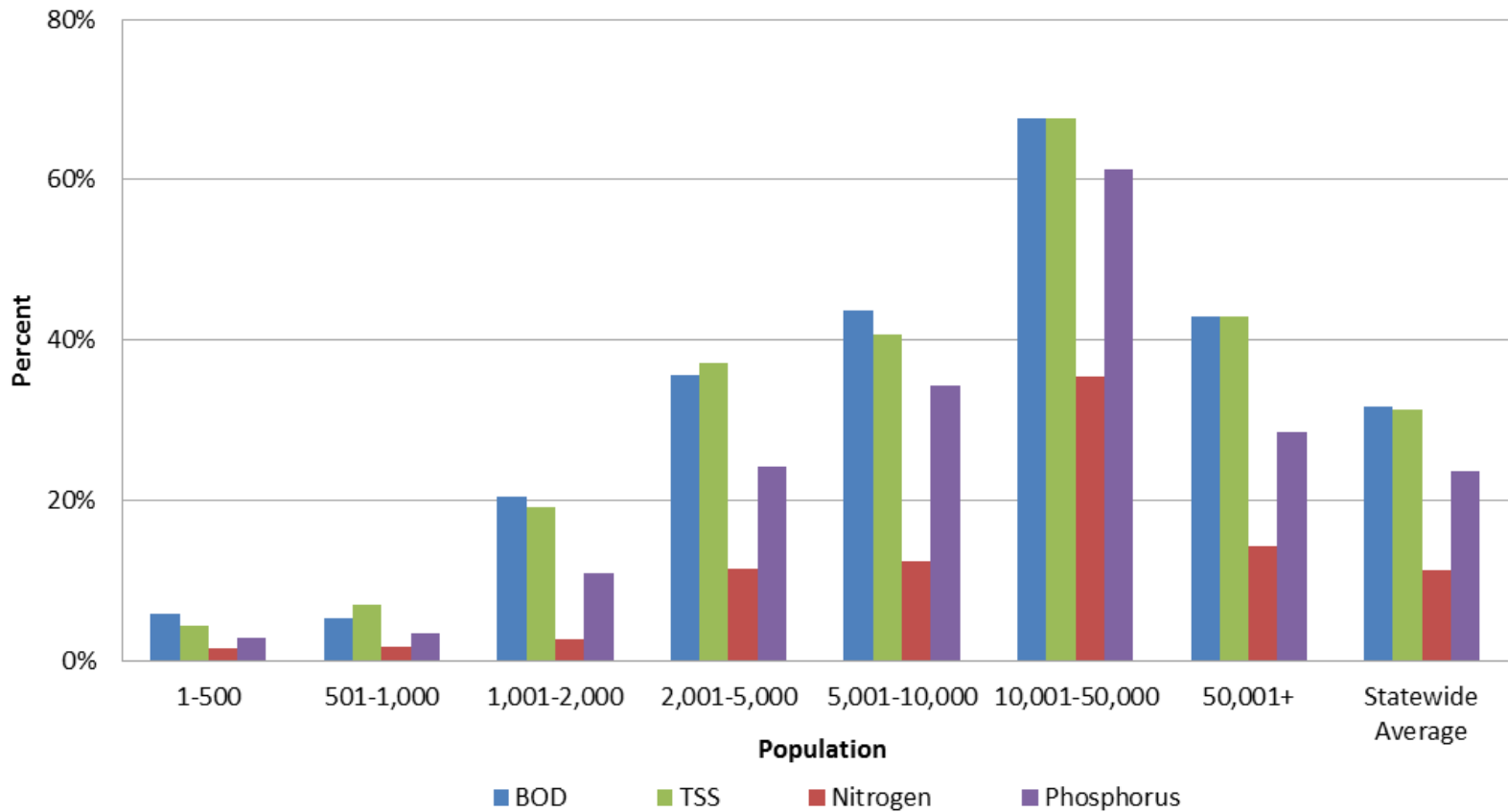
Revenue Source - Hauled Wastes



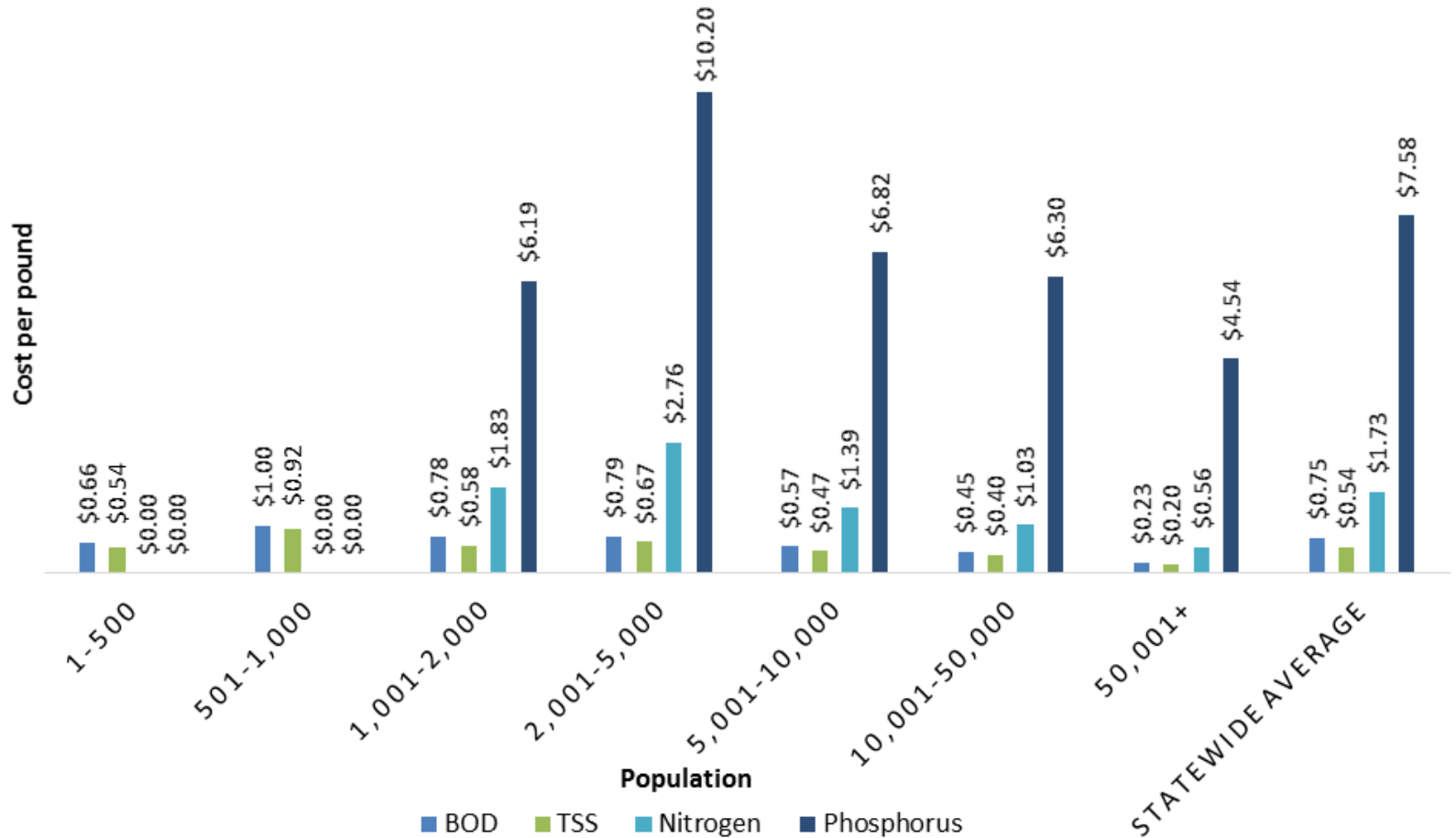
Hauled Waste Charges (per 1,000 gallons)



Revenue Source - High Strength Surcharges

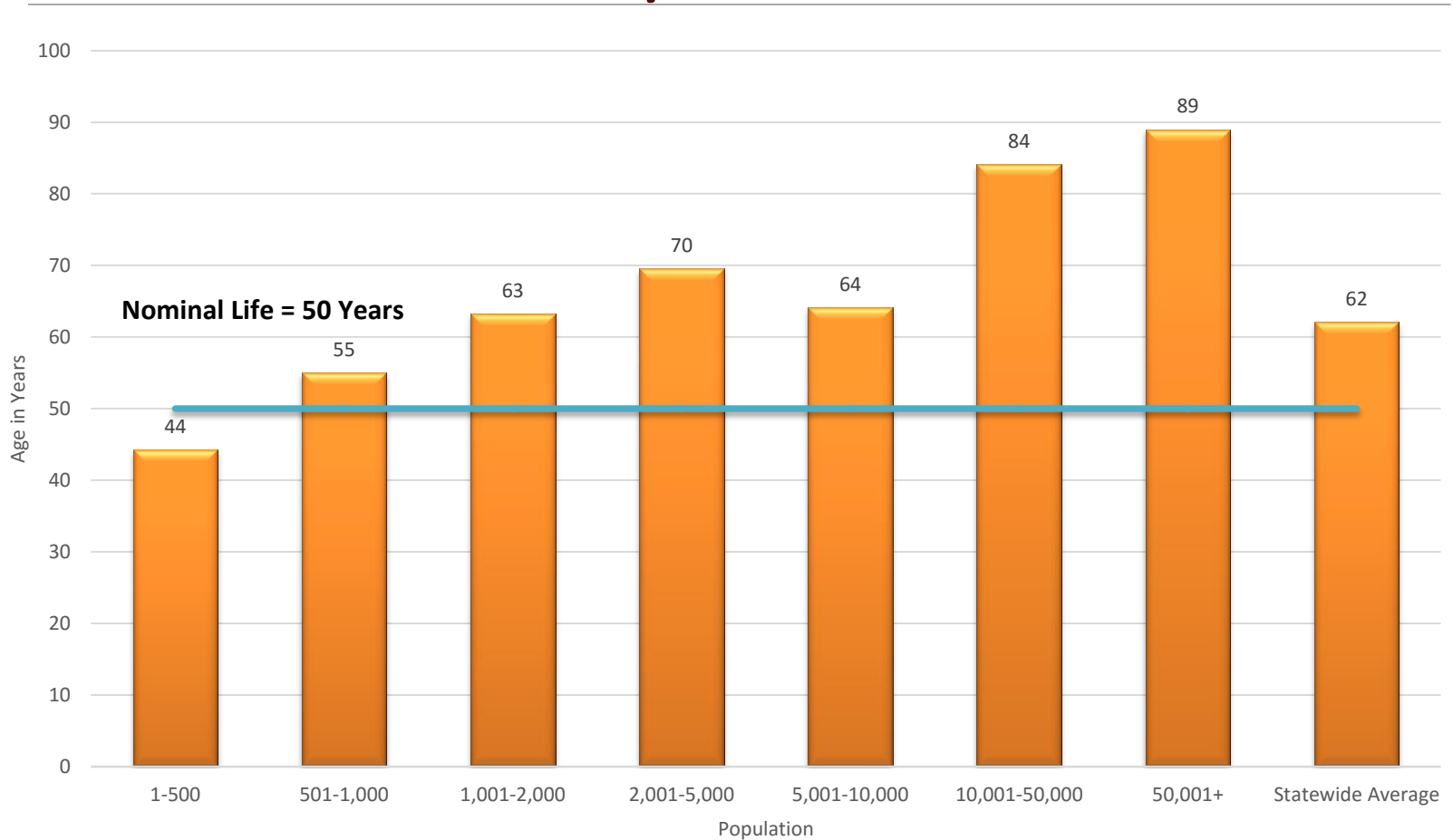


High Strength Surcharges

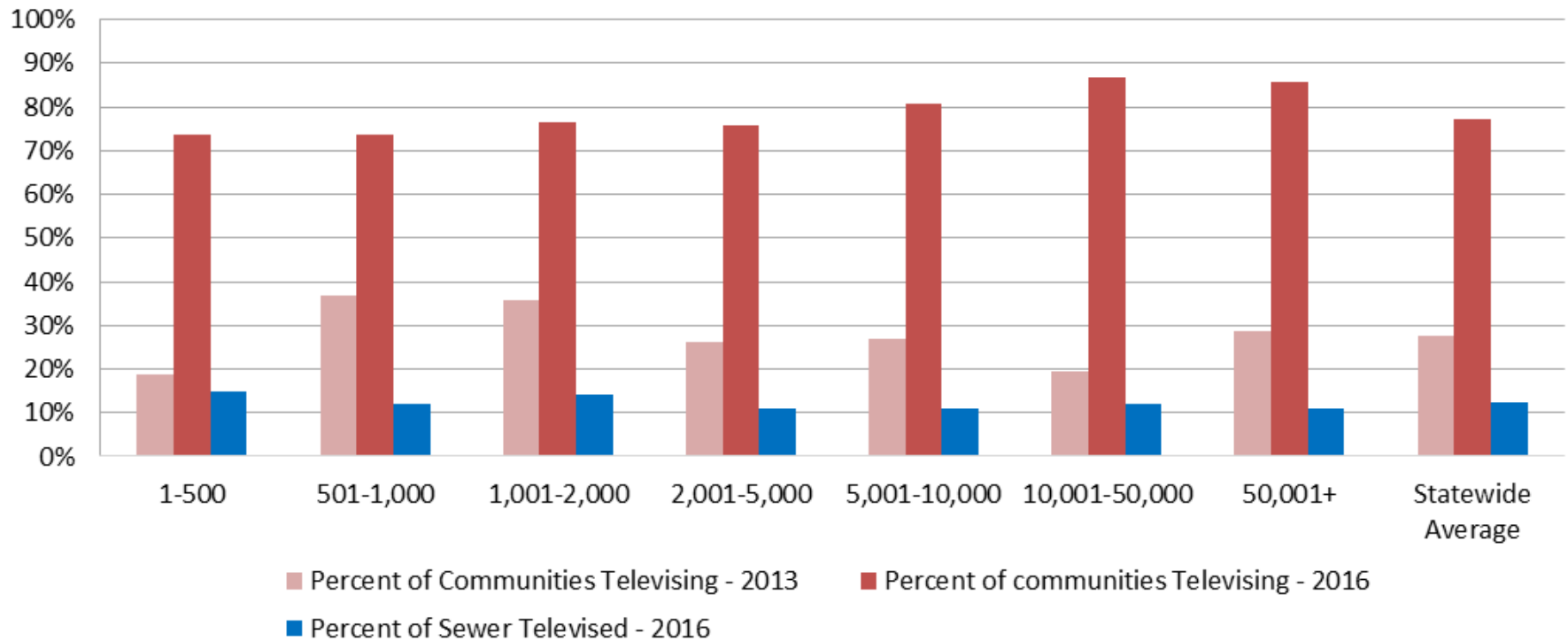


Collection Systems

Age of Collection Systems

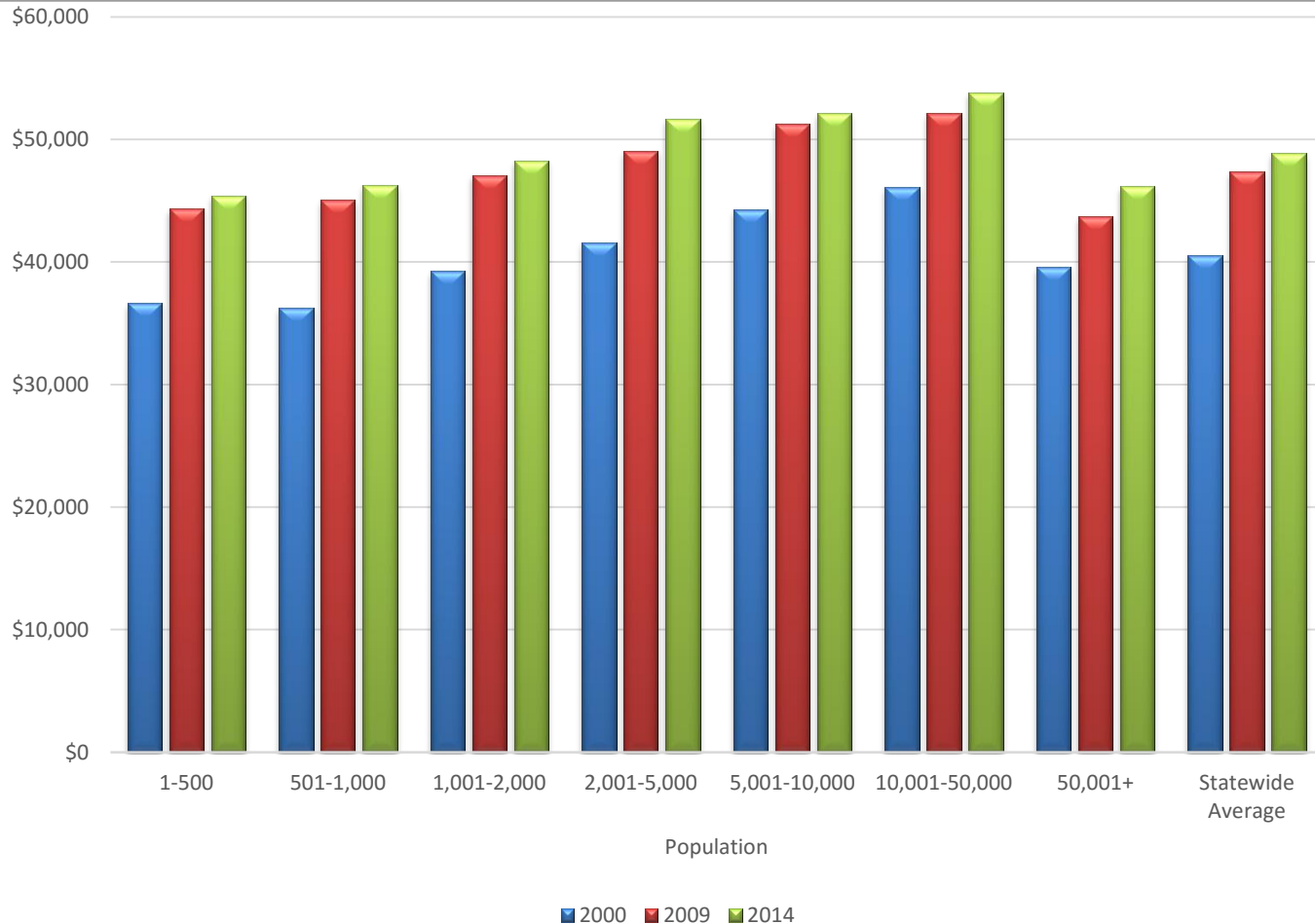


Sewer Televising

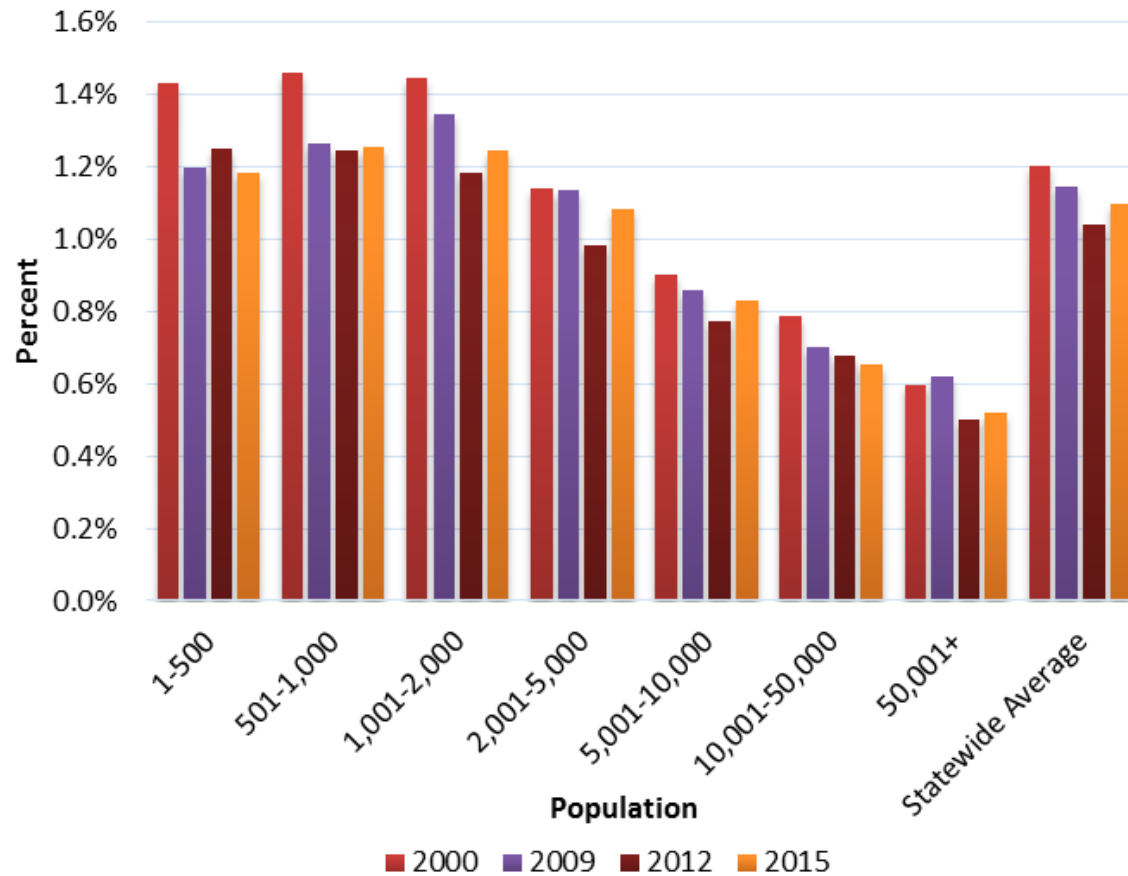


Affordability

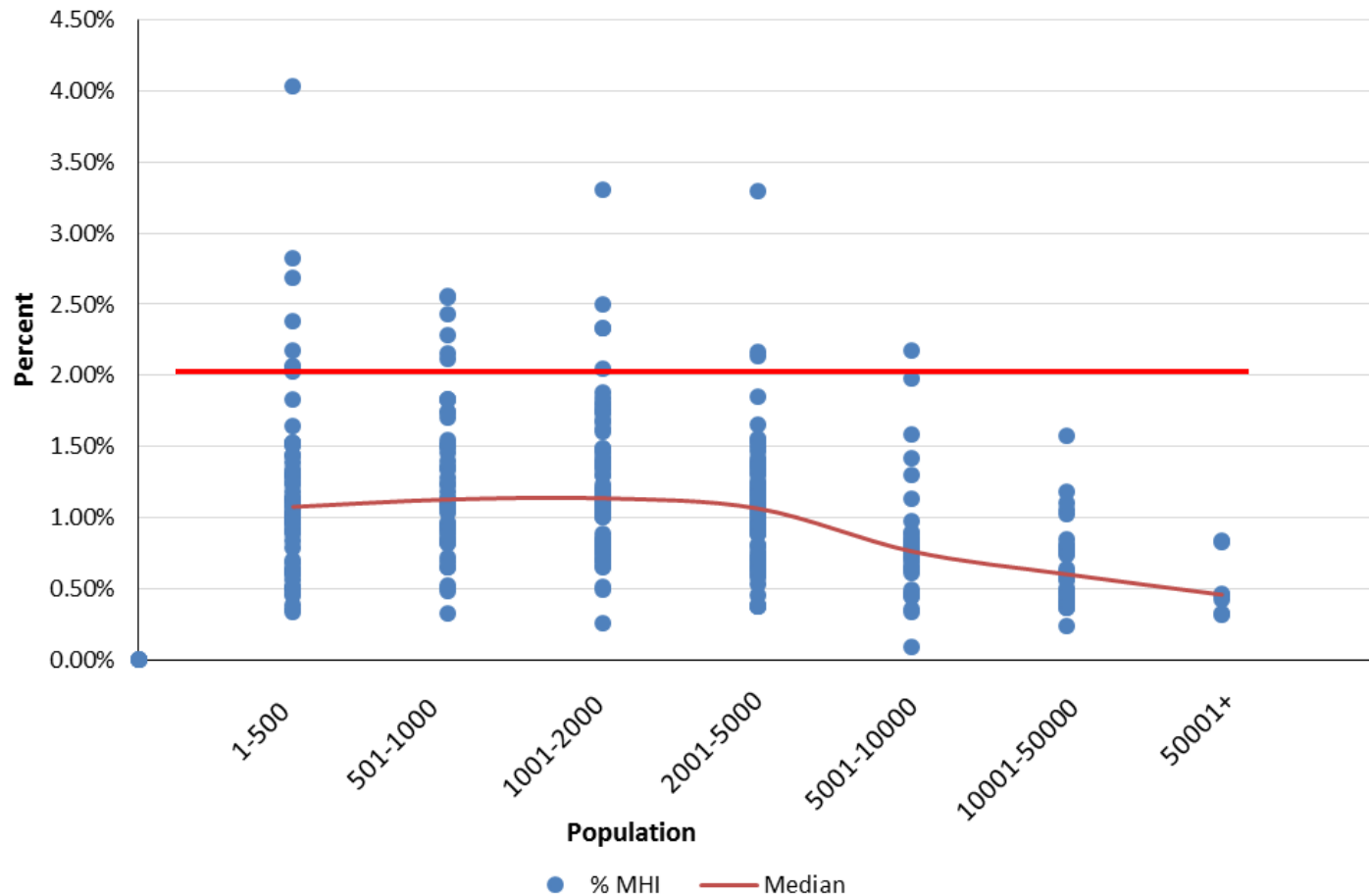
Historic Median Household Income



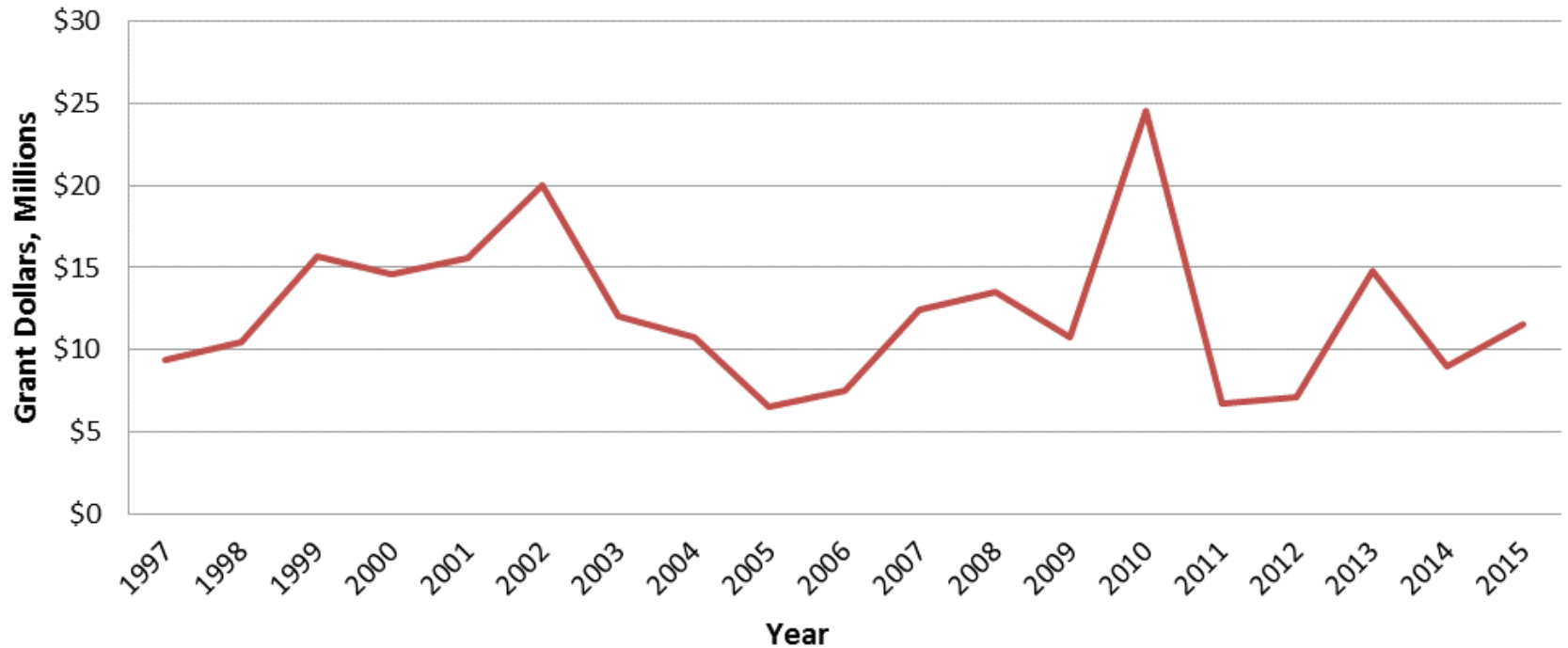
Sewer Cost as a Percent of MHI



Range of Sewer Cost Percent of MHI

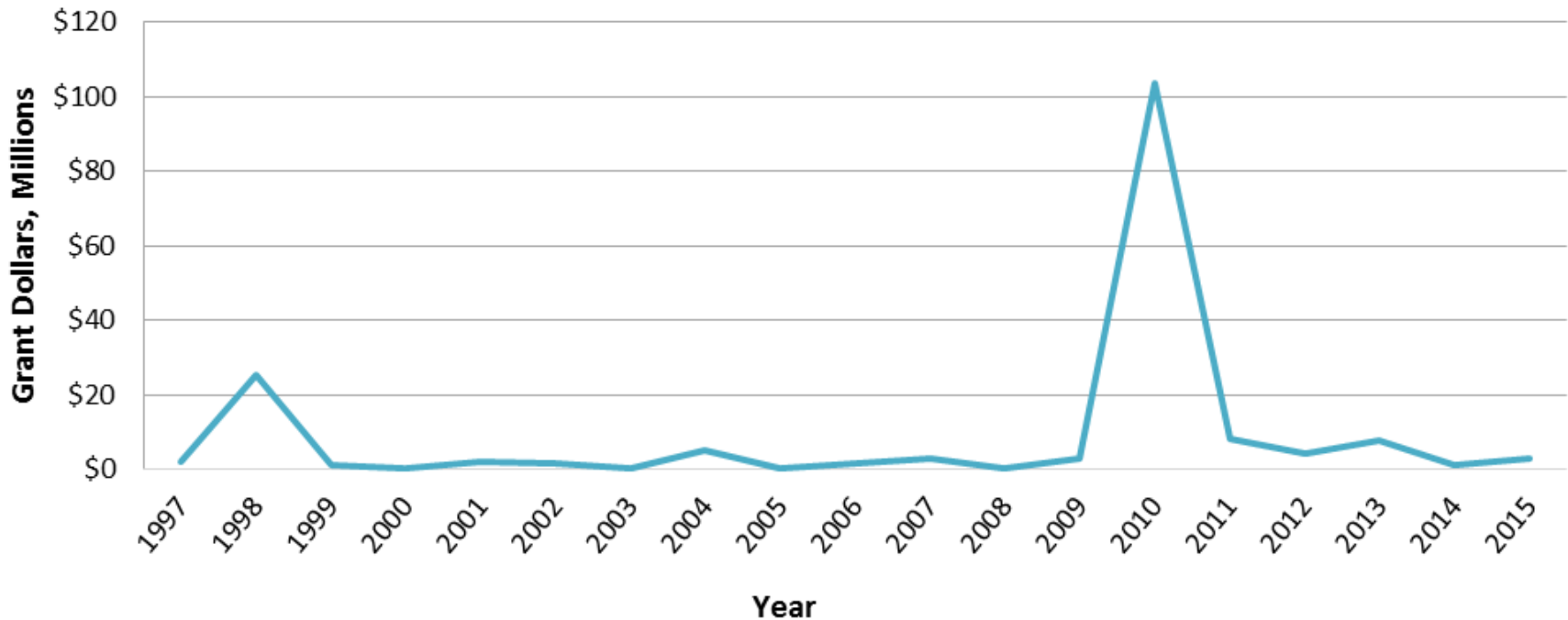


Available Funding – USDA RD

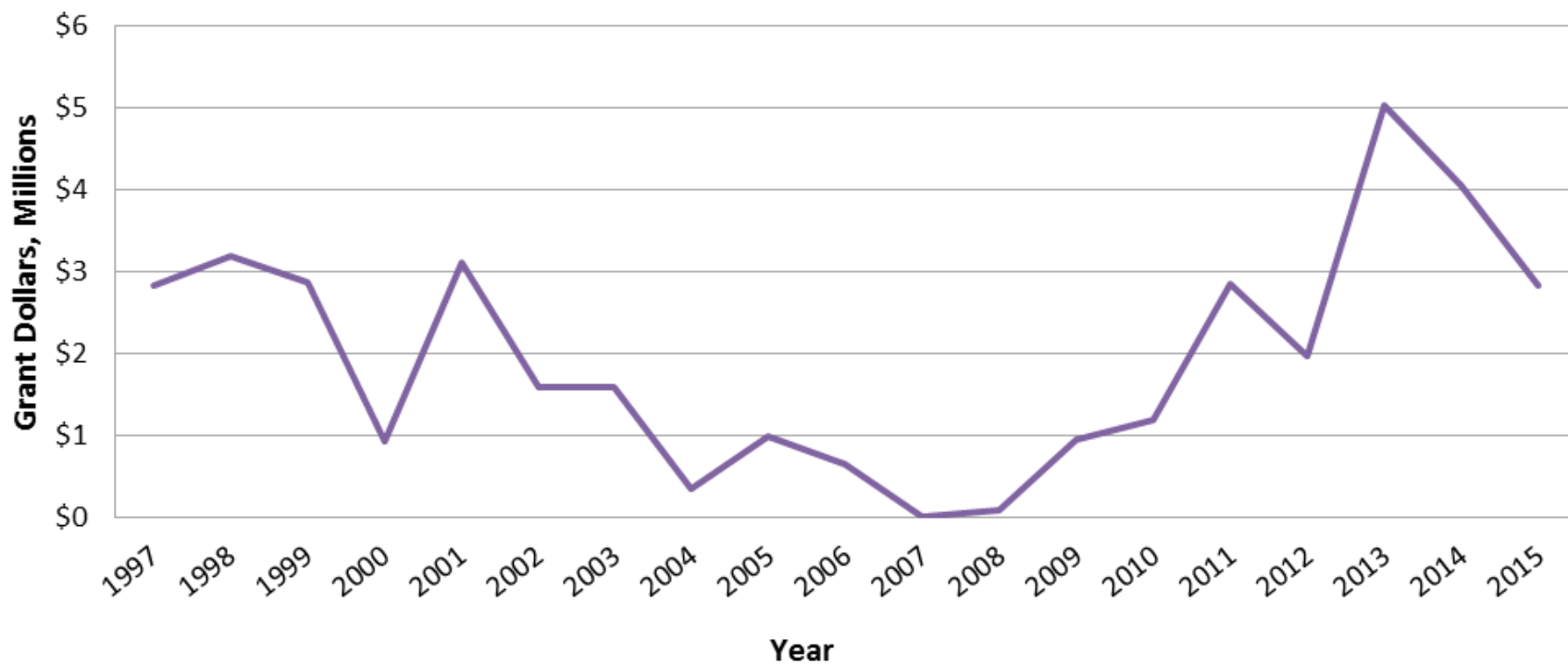


Available Funding – WDNR CWF

*Prior to 2010 Principle Forgiveness Grants were not available

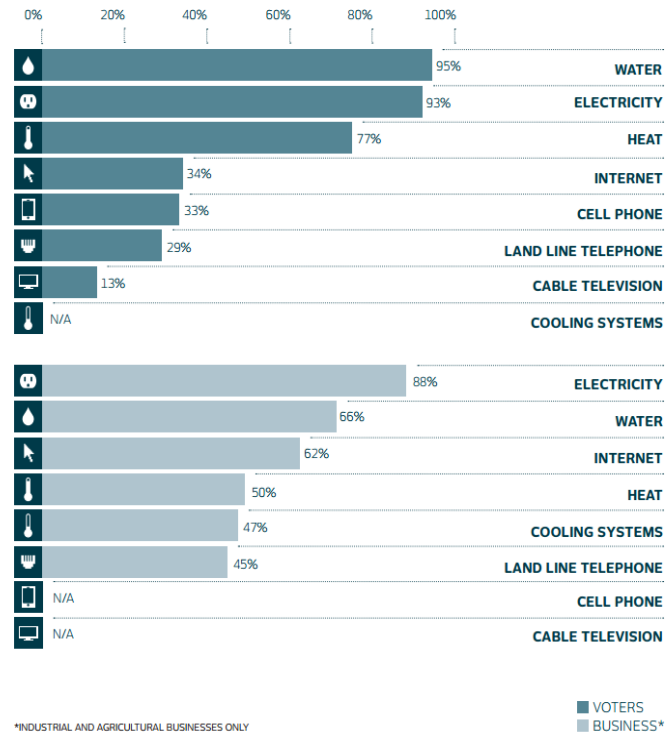


Available Funding – CDBG PF



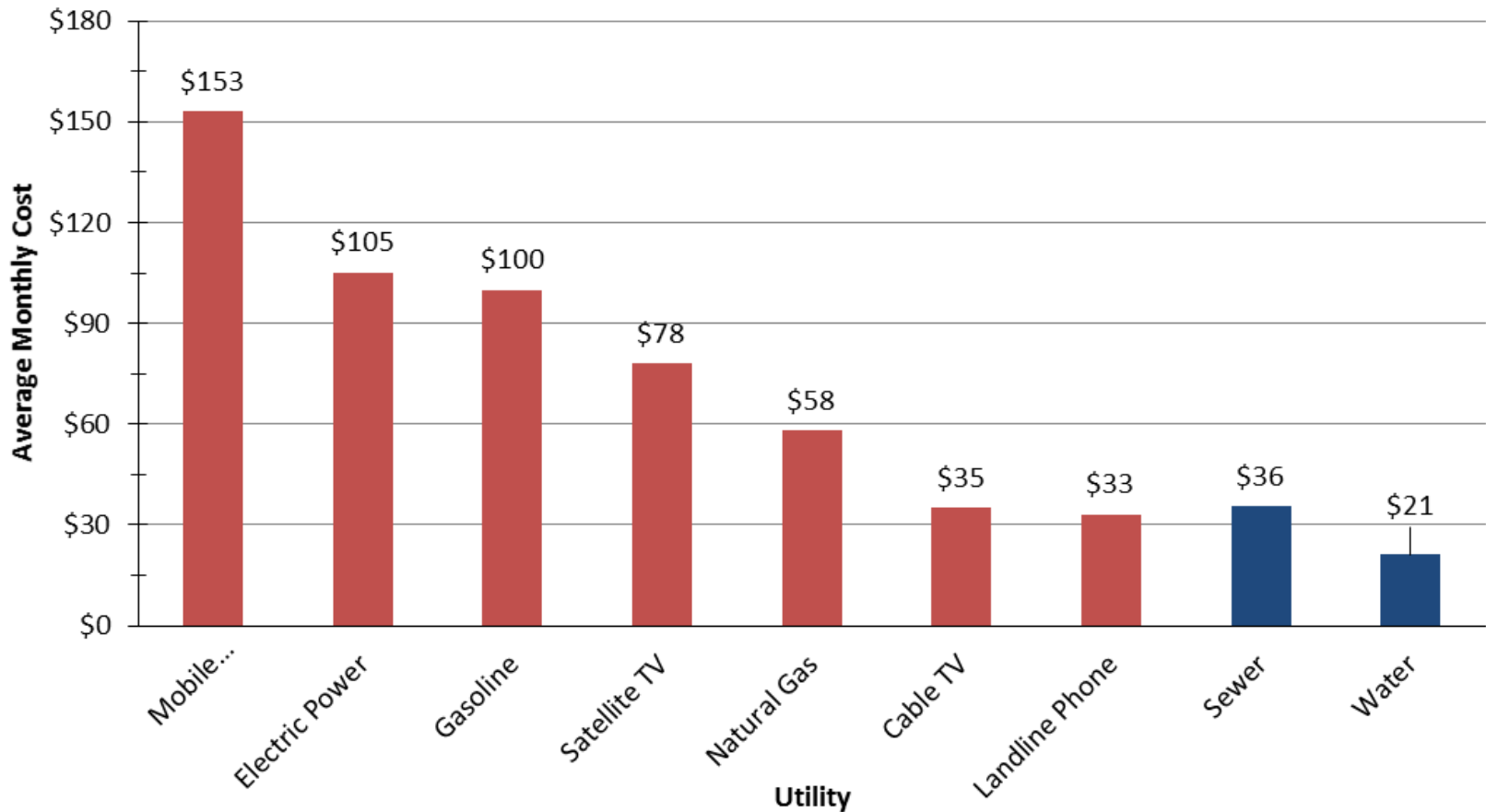
What is the value of water?

VOTERS VALUE WATER MORE THAN ANY OTHER SERVICE; BUSINESSES* RANK IT SECOND



ITT Corporation Value of Water Survey

Clean Water is a Bargain



What's Next

Final Report is Ready – Survey respondents should have received an email this week to download report

Download a copy

<http://www.msa-ps.com/News---Info/Publications.aspx>

Hardcopies will be available for \$50

Thank You!

Survey Respondents

WDNR Environmental Loans Division

Wisconsin Public Service Commission

USDA Rural Development

Questions/Discussion

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