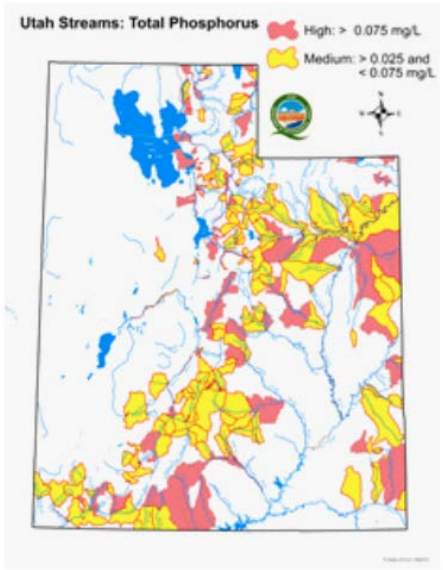
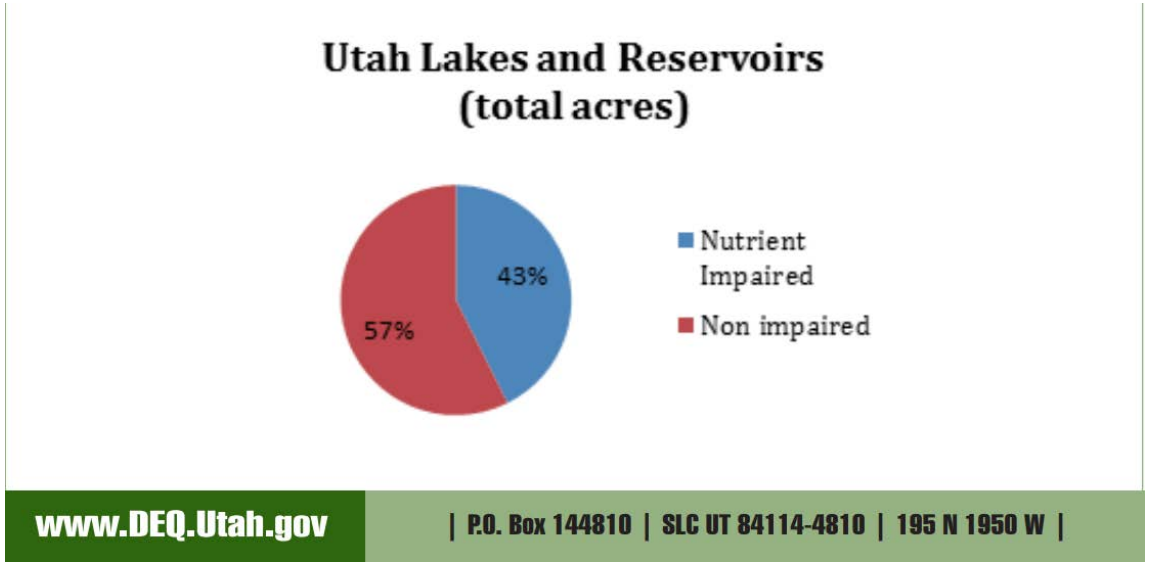
Why increase rates?


Notice
An algae bloom has made this area potentially unsafe for water contact. Avoid direct contact with visible surface scum.


ADVISORY
Blue-green algal blooms have been observed in this area.
If a bloom IS present:

NEW PHOSPHORUS LIMIT





UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY

June 2014

Phosphorus Rule Highlights

Under the proposed rule, all wastewater treatment plants will play a role in reducing phosphorus discharges into state waters.

- Mechanical plants will be required to produce treated wastewater that contains 1.0 mg/L or less before that water can be discharged.

EPA: Aquatic Life Ambient Water Quality Criteria for Ammonia - Freshwater (2013)

Ammonia Criterion Duration	1999 Criteria	*2013 Updated Criteria*
Acute (1-hour Average)	24	***17***
Chronic (30-day Rolling Average)	4.5*	***1.9****
*Not to exceed 2.5 times the criterion continuous concentration as a 4-day average within a 30-day period		
Criteria frequency: Not to be exceeded more than once in three years on average.		

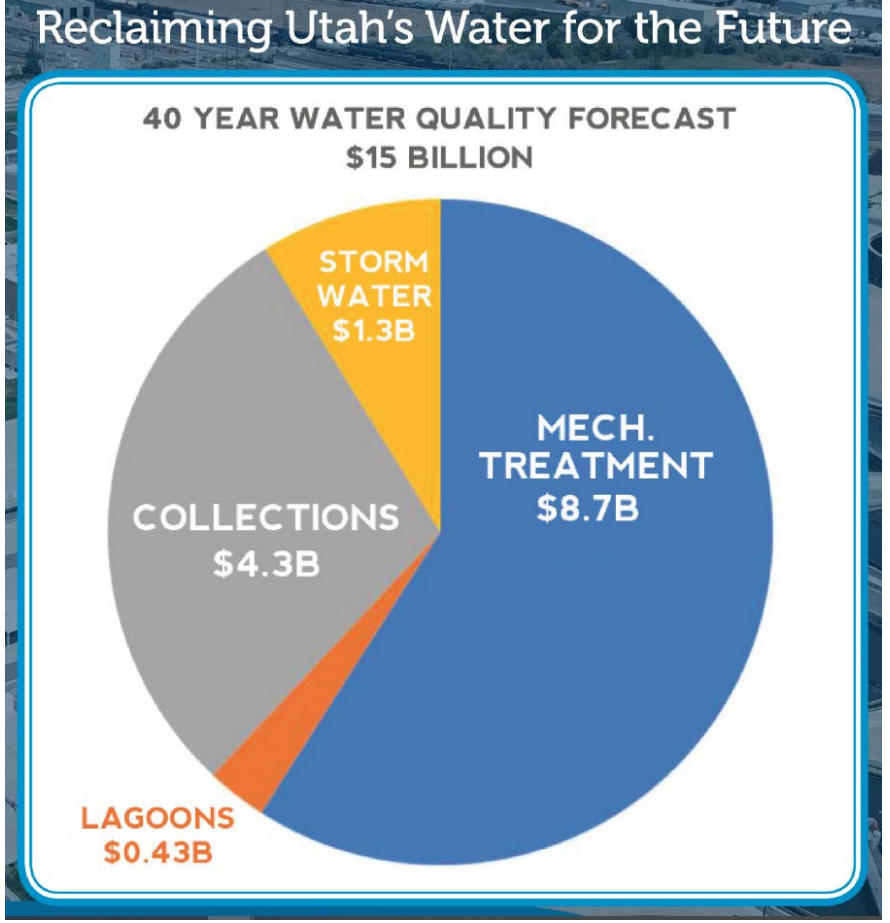
OVERALL 20% REDUCTION IN DISCHARGE LIMITS

SDSD Timeline

- New Phosphorus Rule: 2014 (Effective 2020)
- New Permits 2017 (Includes Ammonia reductions)
- Begin Planning 2014
- Begin Engineering 2015
- Bond for South Plant Improvements: 2019: $12M @ 2.1%
- Approved for $14.176 M North Plant SRF Loan @ 0.11%

In a 2007 survey, the British Medical Journal found that sanitary sewer systems were considered the most important medical milestone since 1840.

Renewal & replacement of Existing Facilities	$5.3 Billion
New or Increased Regulatory Requirements	$1.3 Billion
New Treatment to Serve Population Growth	$2.1 Billion
40 Year Cost Demand	$8.7 Billion



Renewal & Replacement of Existing Pipelines	$2.9 Billion
Trunkline Expansion to Support Population Growth	$1.4 Billion
40 Year Cost Demand	$4.3 Billion

Recent and Current Wasatch Front Wastewater Upgrades

• Salt Lake City	$700 Million
• Central Valley Water Reclamation Facility	$250 Million
• Provo	$250 Million
• Central Weber Sewer Improvement District	$120 Million
• North Davis Sewer District	$120 Million
• Snyderville Basin Water Reclamation District	$50 Million
• Jordan Basin Water Reclamation Facility	$150 Million
• Salem City	$20 Million
• Payson City	$17 Million
• Logan City	$150 Million
• South Davis Sewer (North and South Plants)	$60 Million
• **Wasatch Front total Wastewater Upgrades to date:**	**~$2 Billion**

  - NOTE: THESE ARE CAPITAL COSTS ONLY. DOES NOT CONSIDER COST OF OPERATION

NACWA

COST OF CLEAN WATER INDEX

Average Charge for Wastewater Services Increased 3.8% in 2019

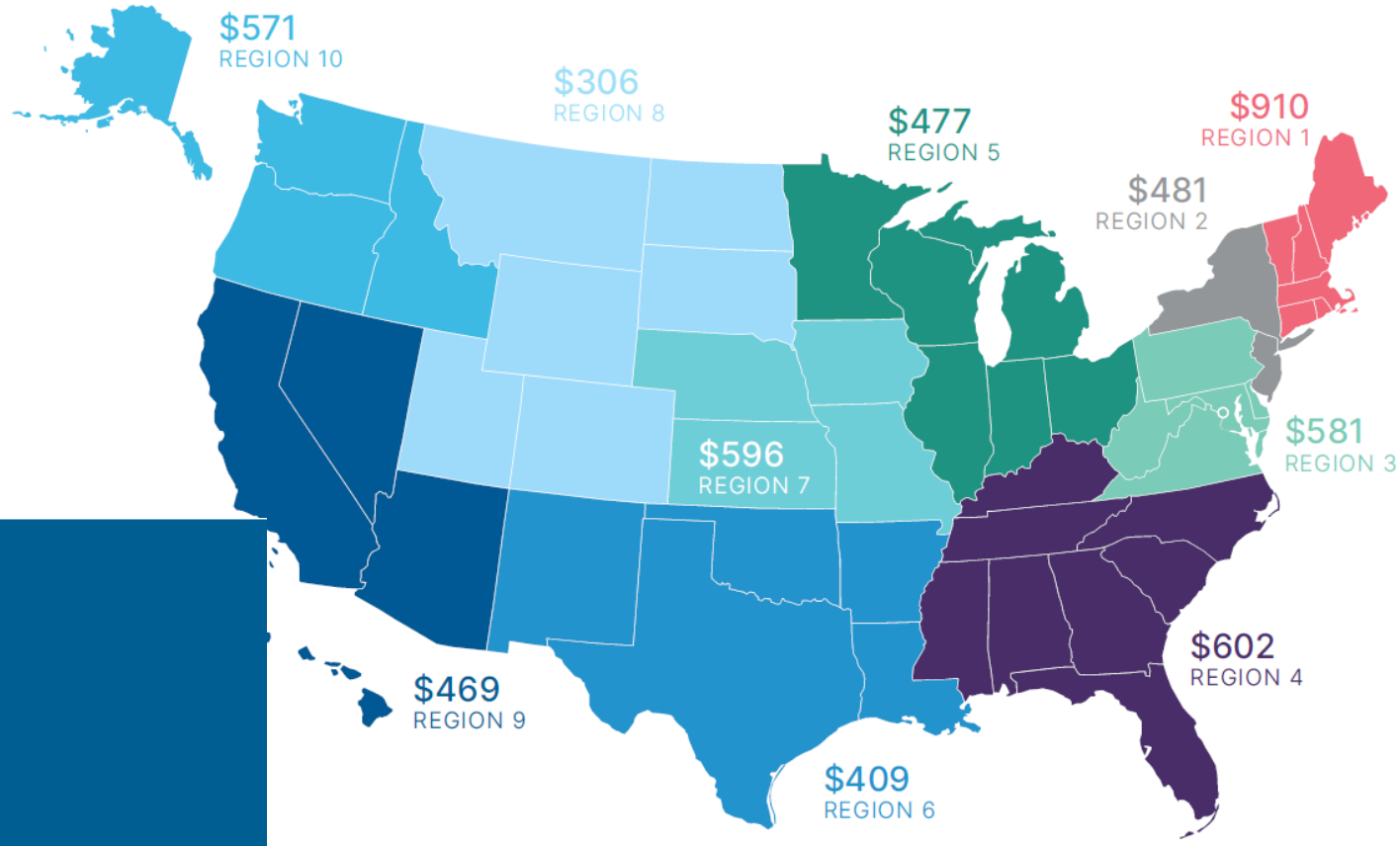
110 Million
Population Served

176
Utility Respondents

$512
Average National Annual Wastewater Collection And Treatment Service Charge

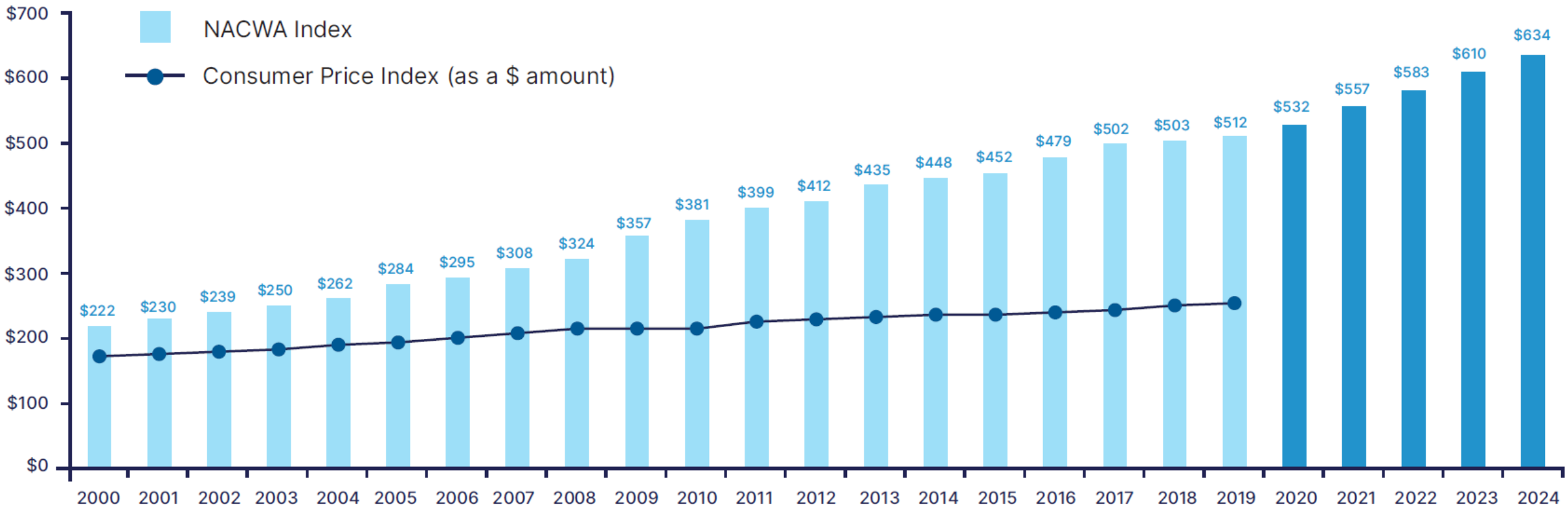
3.8%
Increase in Wastewater Service Charges From 2018-2019

1.8%
Increase in Consumer Price Index 2018-2019

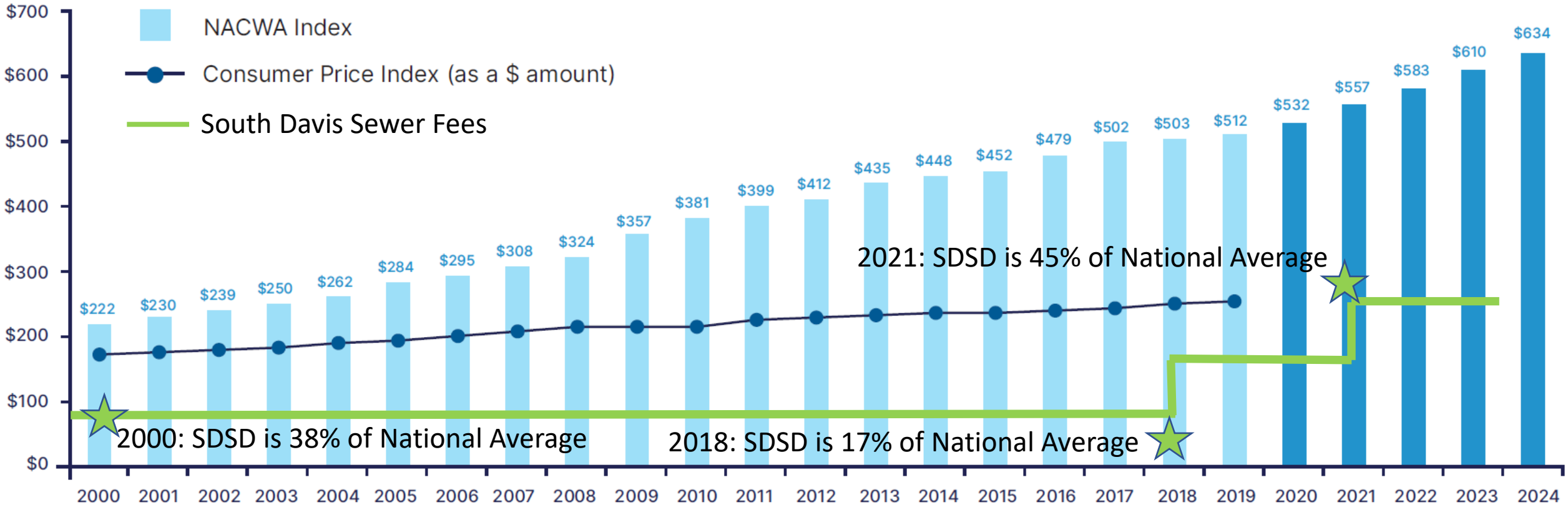


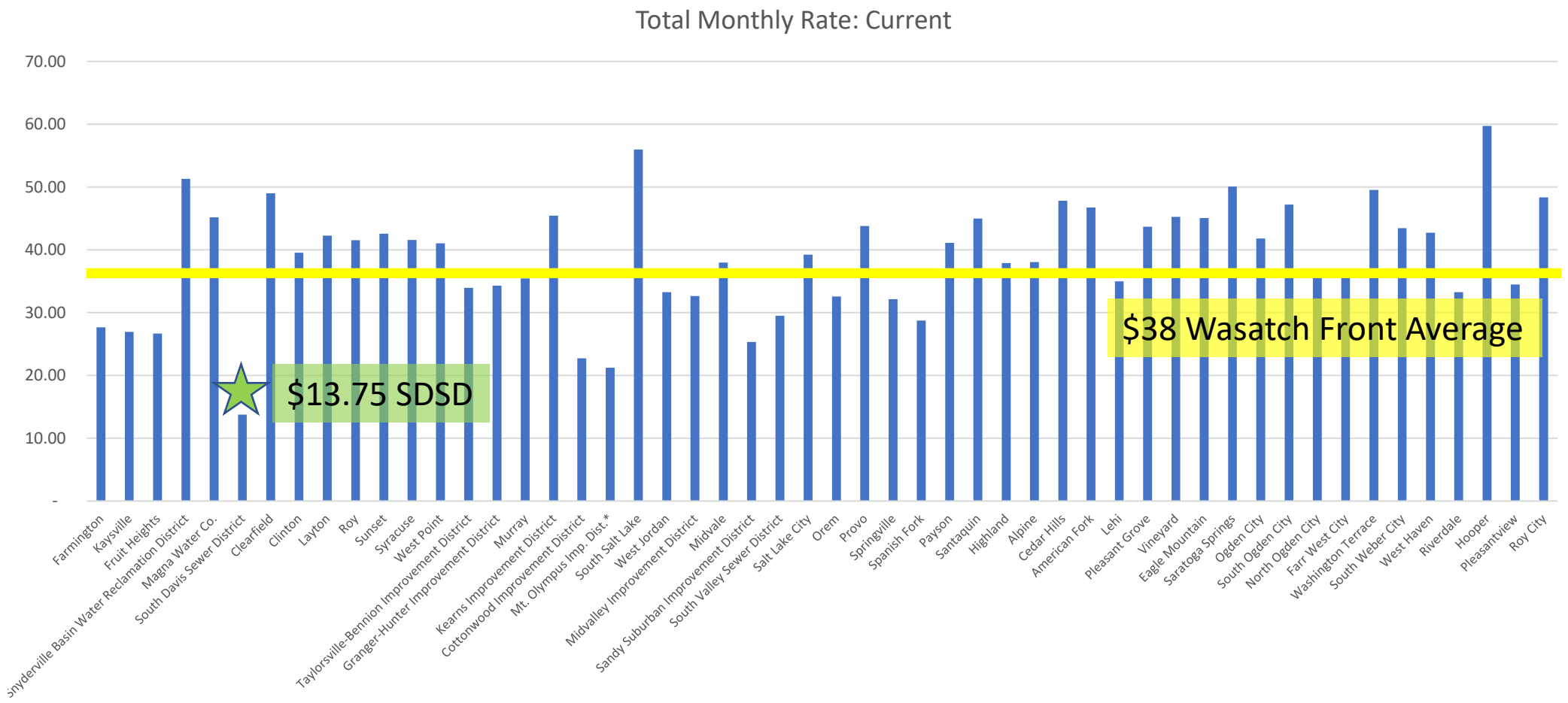
Regional Average Annual Charges - 2019
(All Respondents)

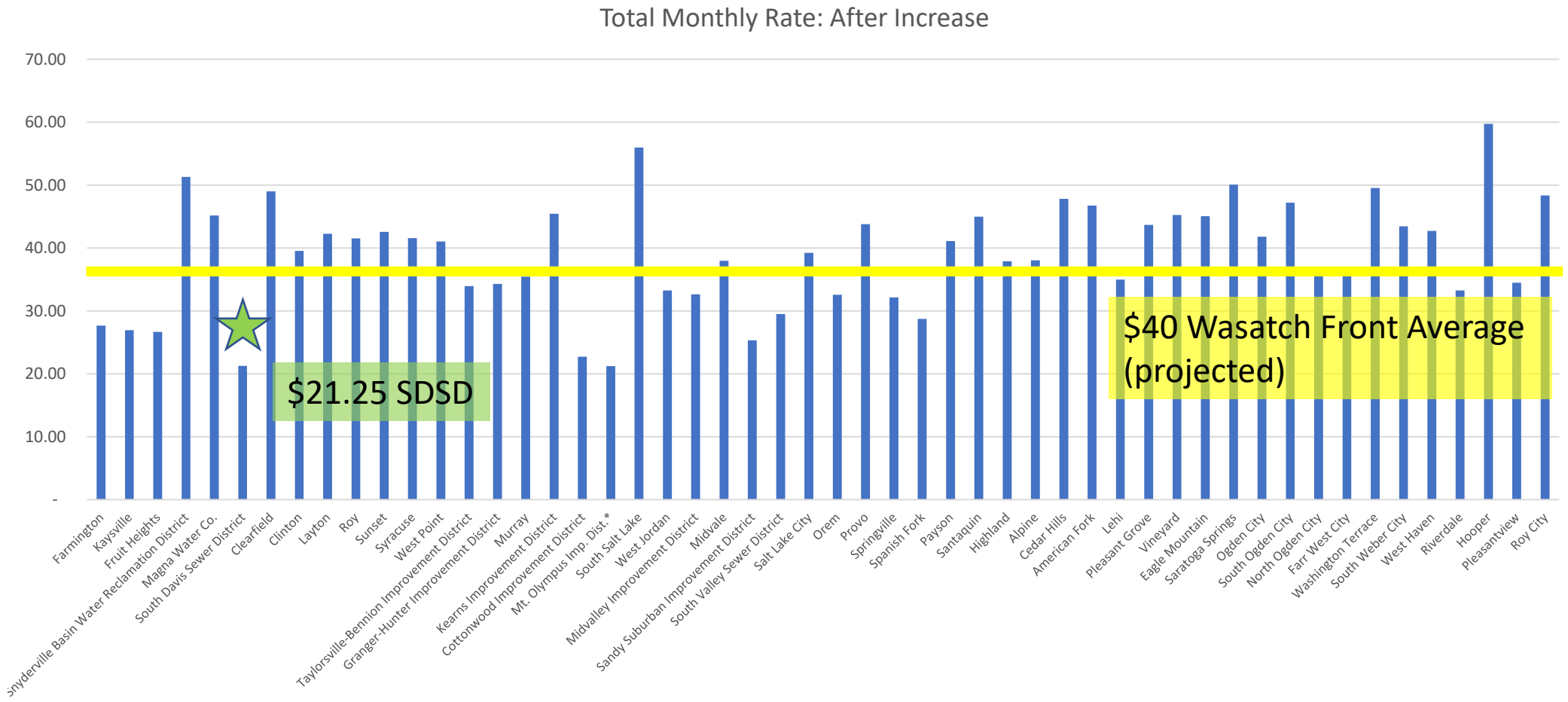
Average Annual Service Charge
2000 – 2019 & Projected



Average Annual Service Charge
2000 – 2019 & Projected




Total Monthly Rate: Current
70.00
60.00
50.00
40.00
30.00
20.00
10.00
-
$13.75 SDSD
$38 Wasatch Front Average
Farmington
Kaysville
Fruit Heights
Snyderville Basin Water Reclamation District
Magna Water Co.
South Davis Sewer District
Clearfield
Clinton
Layton
Roy
Sunset
Syracuse
West Point
Taylorsville-Bennion Improvement District
Granger-Hunter Improvement District
Murray
Kearns Improvement District
Cottonwood Improvement District
Mt. Olympus Imp. Dist.*
South Salt Lake
West Jordan
Midvalley Improvement District
Midvale
Sandy Suburban Improvement District
South Valley Sewer District
Salt Lake City
Orem
Provo
Springville
Spanish Fork
Payson
Santaquin
Highland
Alpine
Cedar Hills
American Fork
Lehi
Pleasant Grove
Vineyard
Eagle Mountain
Saratoga Springs
Ogden City
South Ogden City
North Ogden City
Farr West City
Washington Terrace
South Weber City
West Haven
Riverdale
Hooper
Pleasantview
Roy City


Total Monthly Rate: After Increase
70.00
60.00
50.00
40.00
30.00
20.00
10.00
-
$21.25 SDSD
$40 Wasatch Front Average (projected)
Farmington
Kaysville
Fruit Heights
Snyderville Basin Water Reclamation District
Magna Water Co.
South Davis Sewer District
Clearfield
Clinton
Layton
Roy
Sunset
Syracuse
West Point
Taylorsville-Bennion Improvement District
Granger-Hunter Improvement District
Murray
Kearns Improvement District
Cottonwood Improvement District
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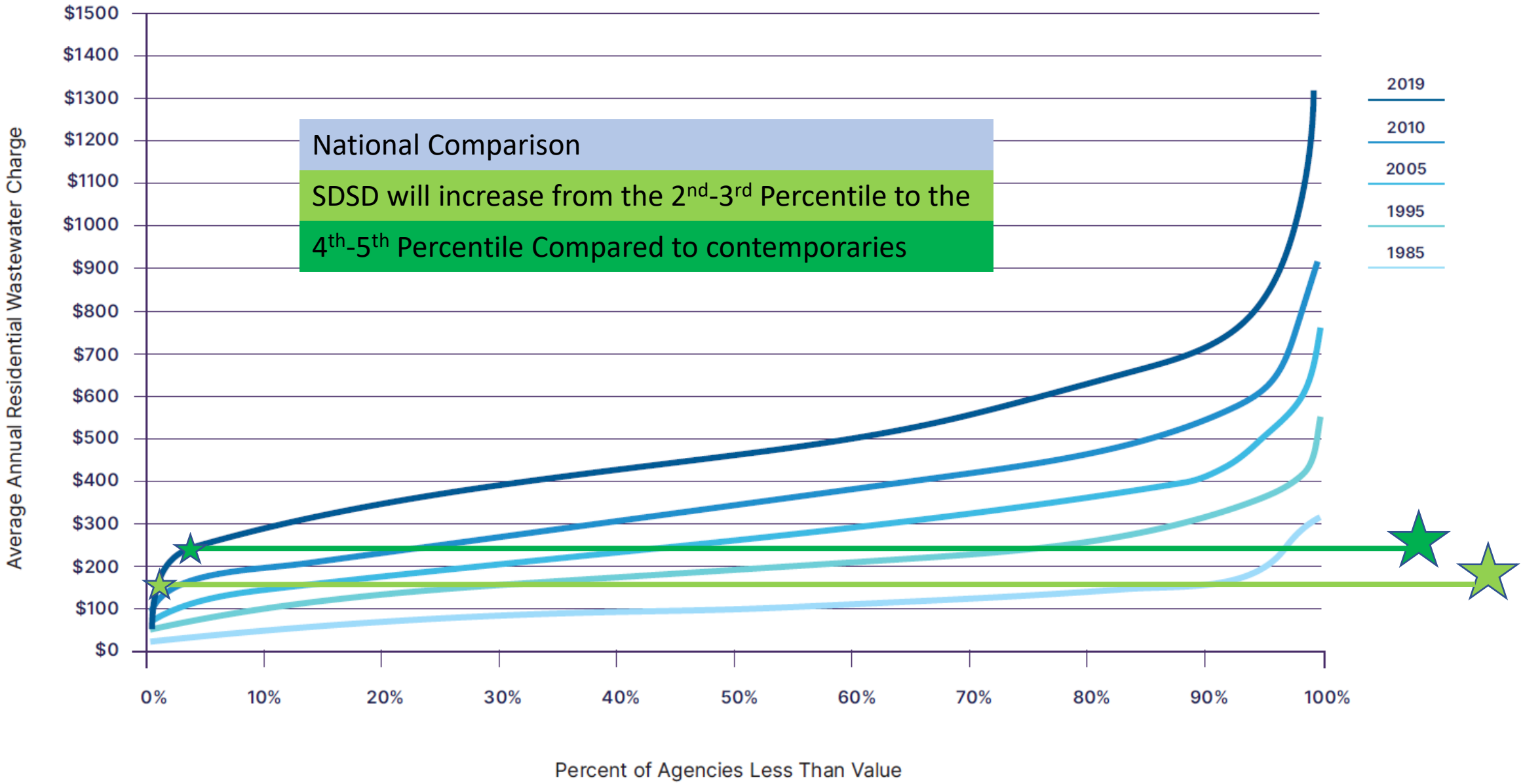
Sandy Suburban Improvement District
South Valley Sewer District
Salt Lake City
Orem
Provo
Springville
Spanish Fork
Payson
Santaquin
Highland
Alpine
Cedar Hills
American Fork
Lehi
Pleasant Grove
Vineyard
Eagle Mountain
Saratoga Springs
Ogden City
South Ogden City
North Ogden City
Farr West City
Washington Terrace
South Weber City
West Haven
Riverdale
Hooper
Pleasantview
Roy City

Distribution Trend of Average Annual Residential Wastewater Charge (National)



EPA Region 8

Regional Comparison

SDSD will increase from the 1st-2nd Percentile to

6th-8th Percentile Compared to contemporaries