

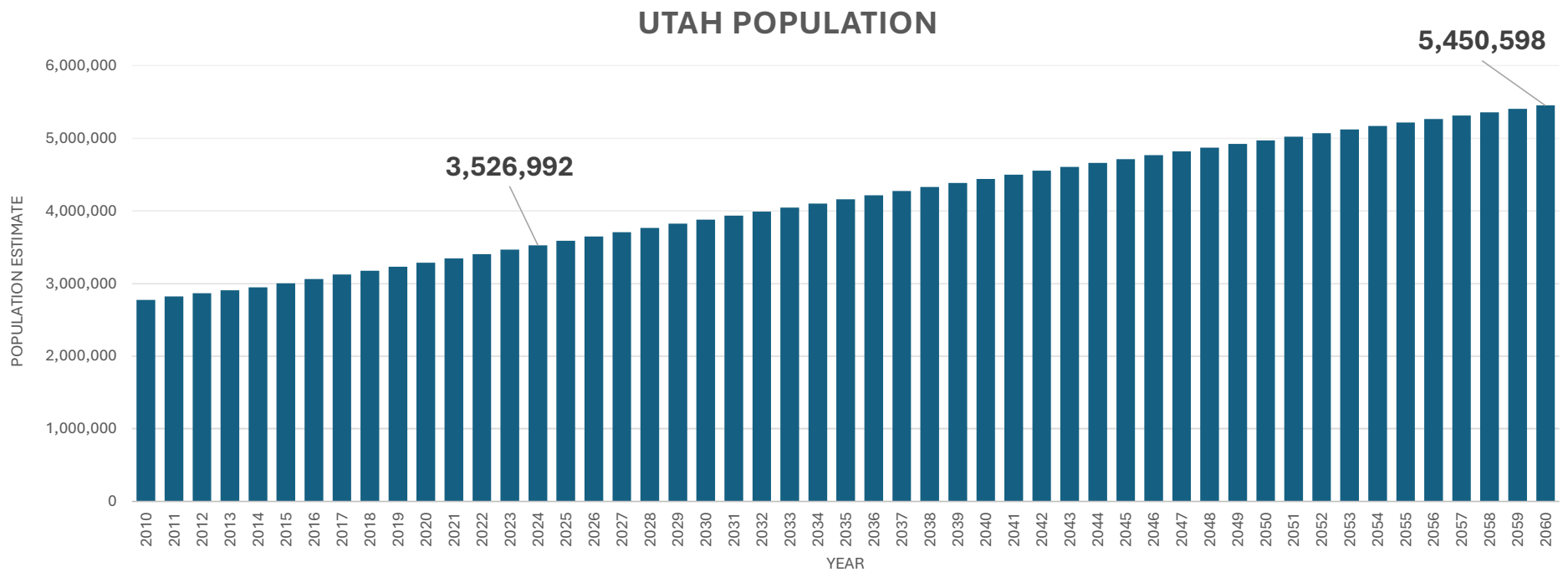


Understanding and Sharing
Your City's Story Through
Data

Macroscopic Trends

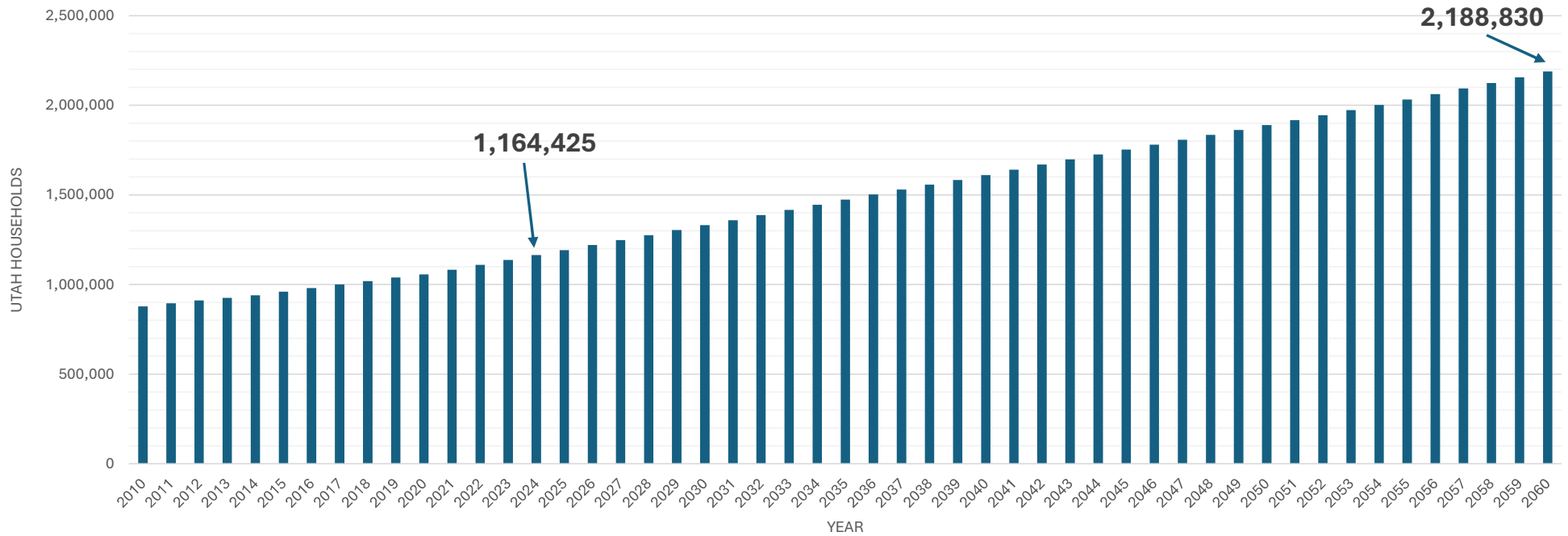
Growth & Infrastructure Challenges in Utah

Utah Population Growth



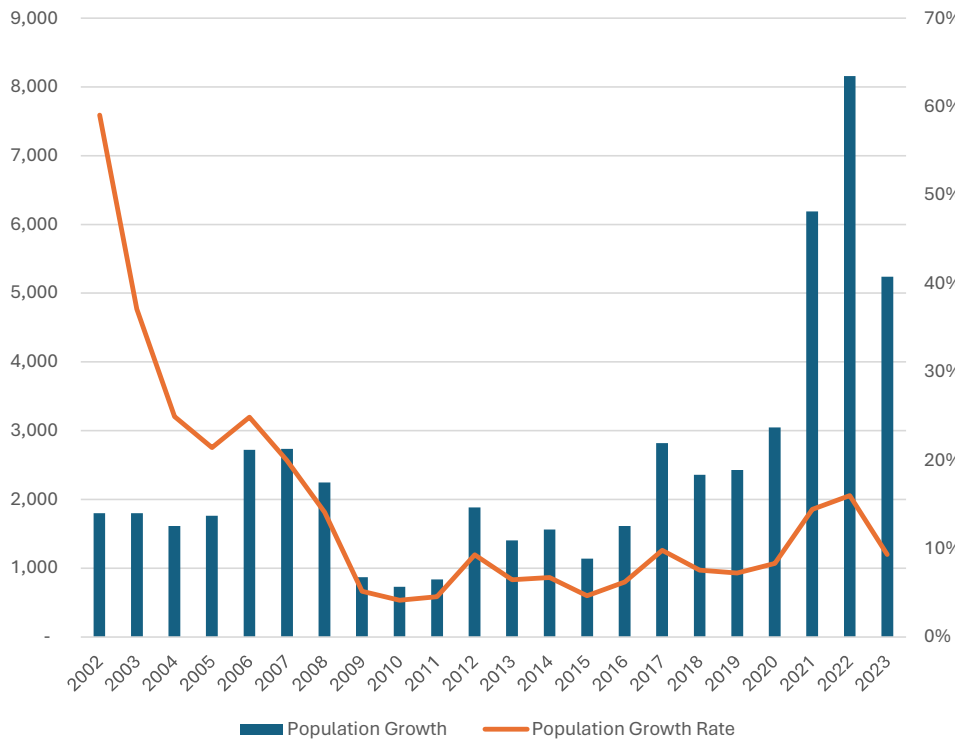
Household Growth

Projected Household Growth

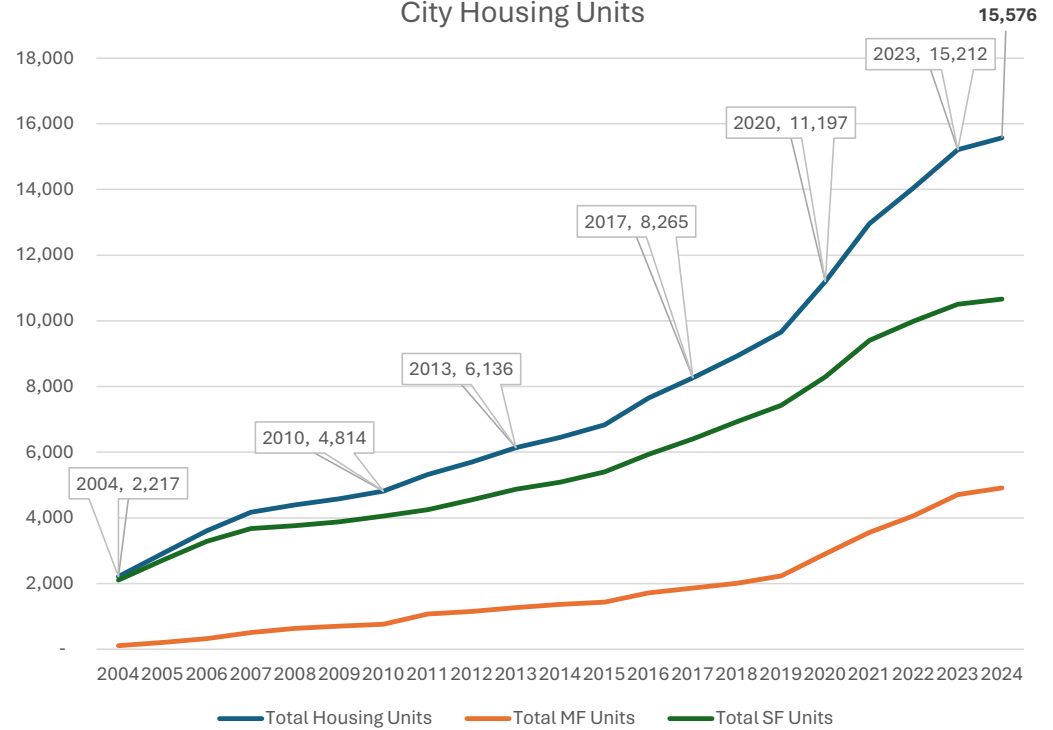


Population Growth

City Population Growth



City Housing Units





Perception of Housing Shortage

The Salt Lake Tribune

Opinion: More suburban sprawl won't fix Utah's housing affordability problem

To solve the state's affordable housing crisis, Utah needs more walkable neighborhoods.

 **DeseretNews**

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f

UTAH | POLITICS

Why zoning is key to watch as Utah legislators tackle the issue of affordable housing

A look back at the legislative audit report issued late last year

Published: Jan 13, 2024, 6:03 p.m. MST



VIEW COMMENTS



SHARE

Housing Growth

New Housing Units

Local governments permitted **155,321** housing units in past five years (2019-2023).¹

Housing Pipeline

Local governments have more than **190,962** entitled housing units²

1. Kem C. Gardner Policy Institute Ivory-Boyer Construction Database;

2. 2023 ULCT Municipal Land Use Survey

What does growth
mean for municipal
infrastructure?



Why is this session important to all of us?



TRUTH VS REALITY

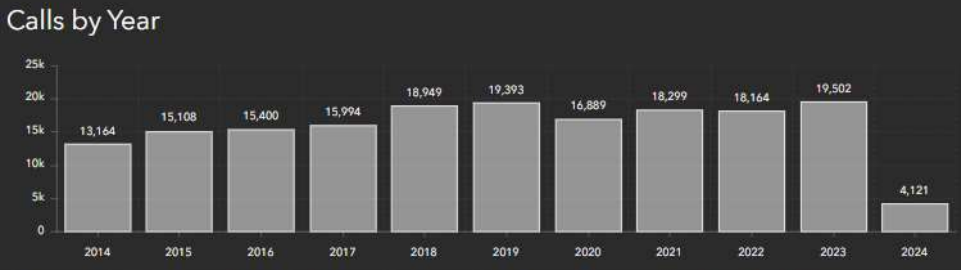
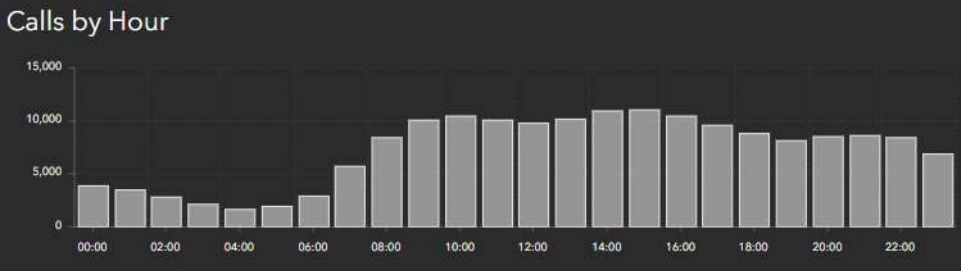
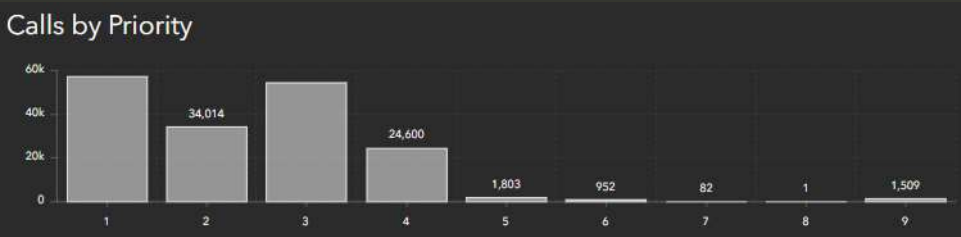


DEVELOPMENT



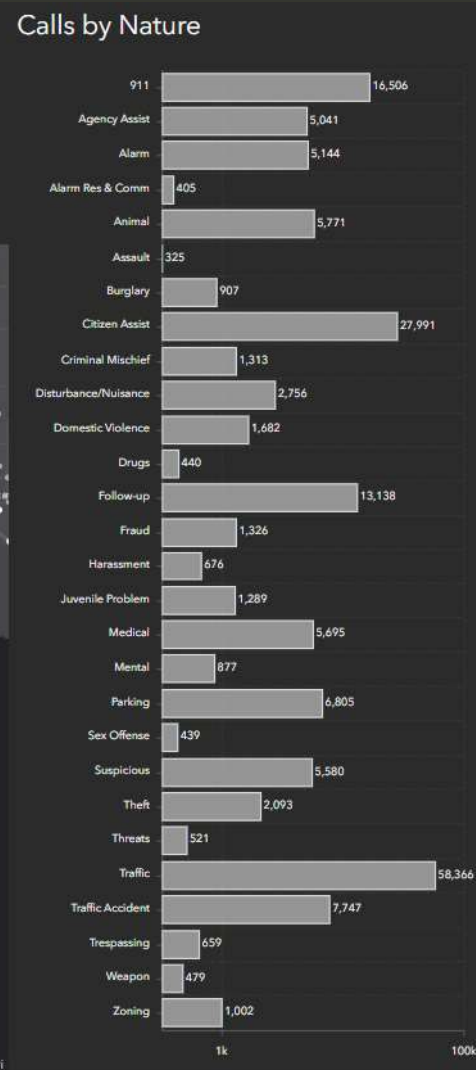
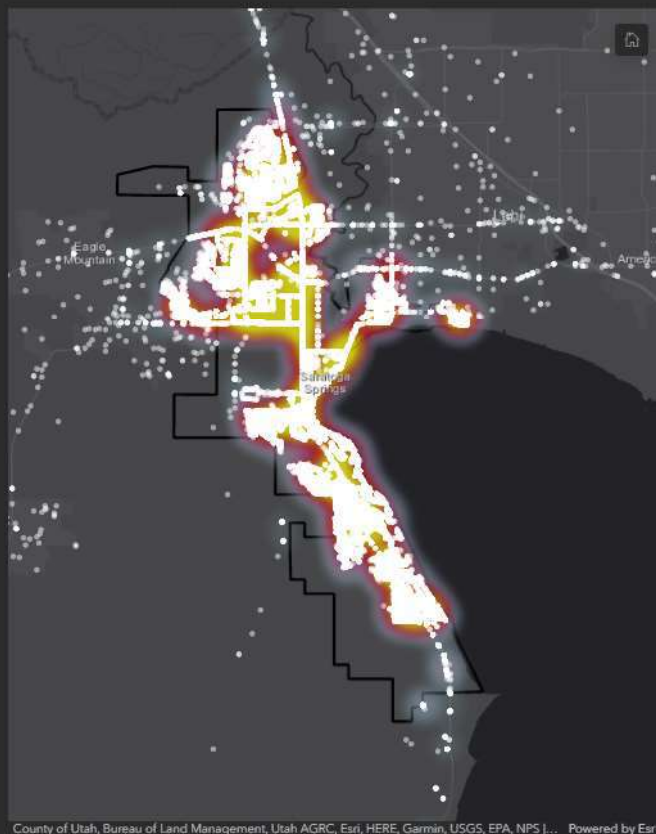
RESOURCE MANAGEMENT
AND ALLOCATION

Saratoga Springs Police Activity

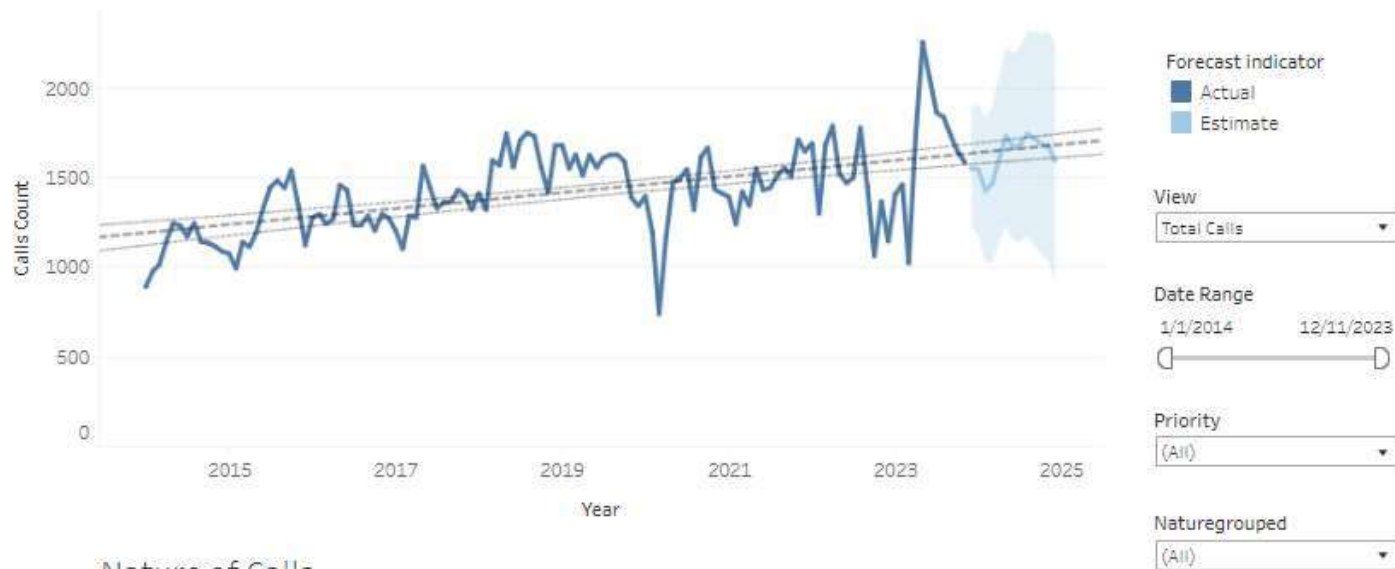


Total Calls

174,983



Police Call Trends



Nature of Calls

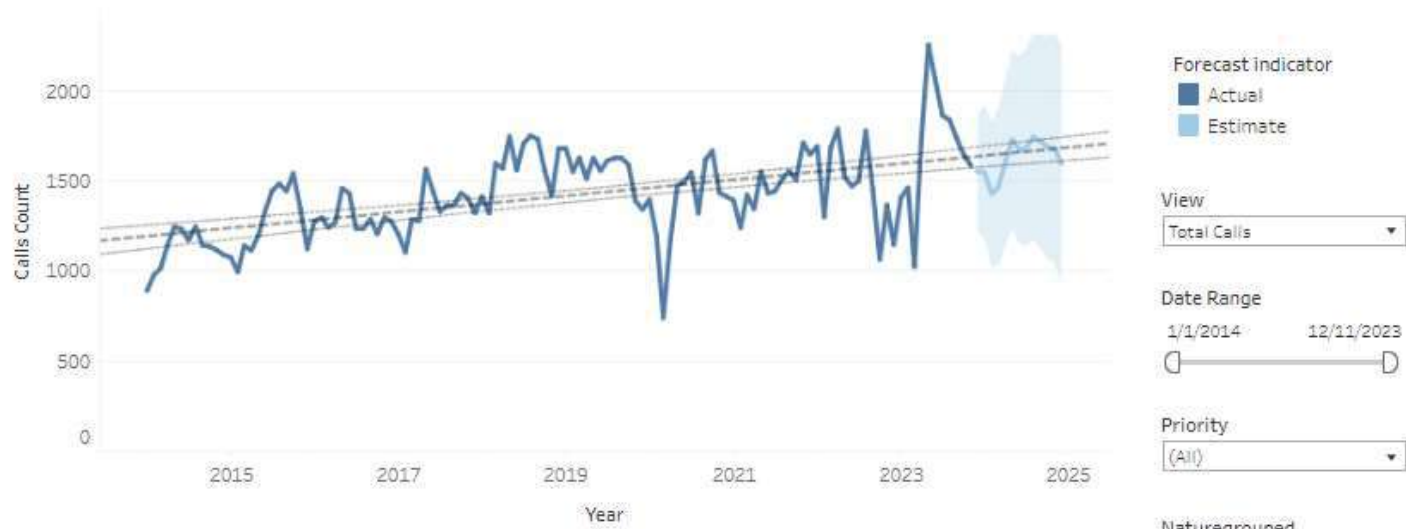


This dashboard presents trends in call frequency from 2014 through 2022 with a trendline for reference. The center trendline (thicker dashes) indicates the best fit-regression line for the current data. The confidence bands (thinner dashes above and below the center line) give a 95% confidence for the trendline.

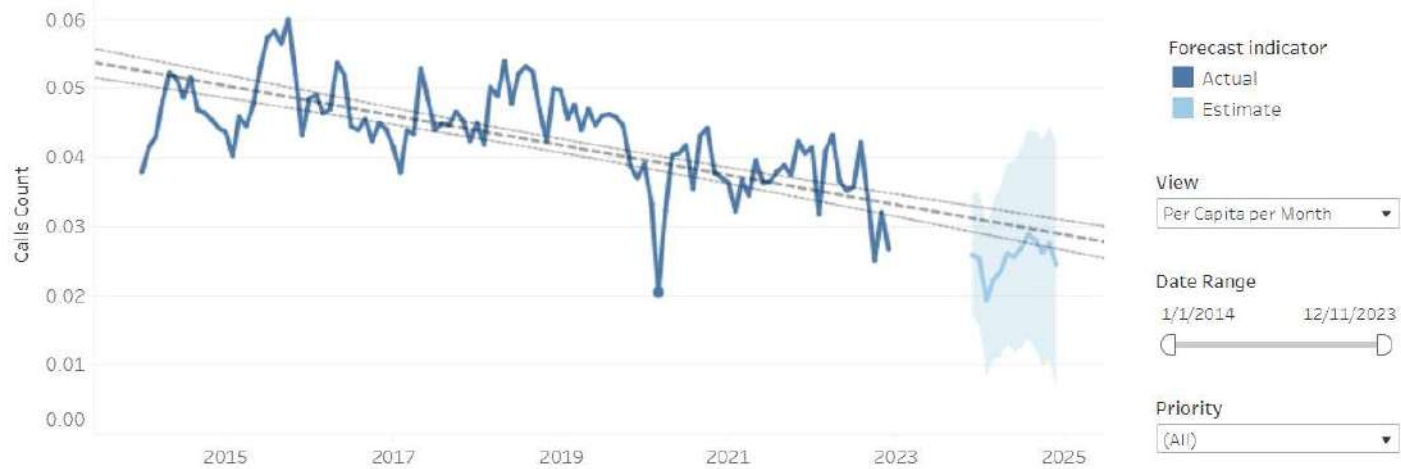
Calls are filterable by year, type of call, and priority level. Priority level is assigned by call dispatchers and follows the Spillman user categorization guidelines.

Use the "View" dropdown menu to switch between three different views: total calls per month, calls per officer per month, and calls per resident per month.

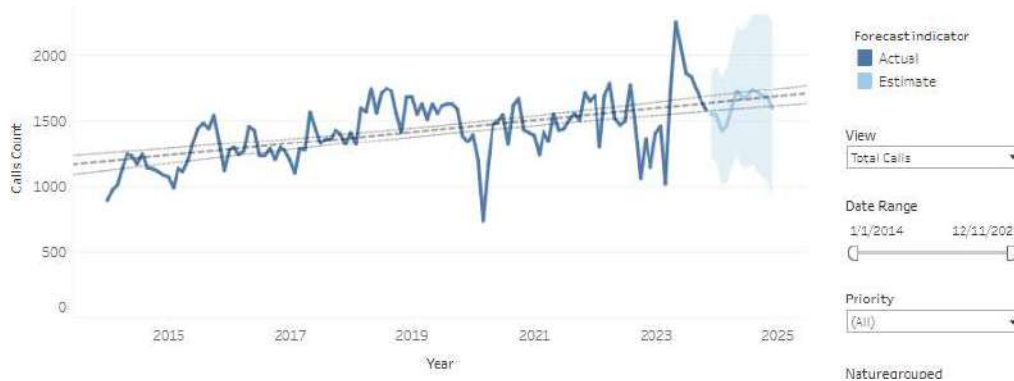
Police Call Trends



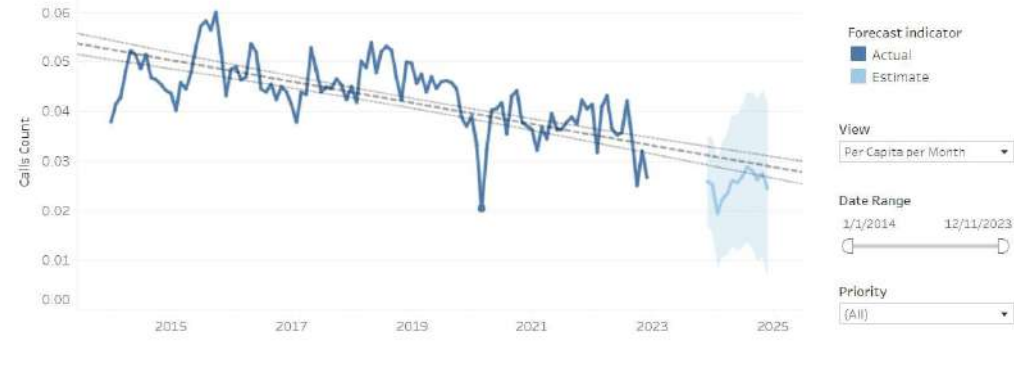
Police Call Trends



Police Call Trends



Police Call Trends



Police Call Trends



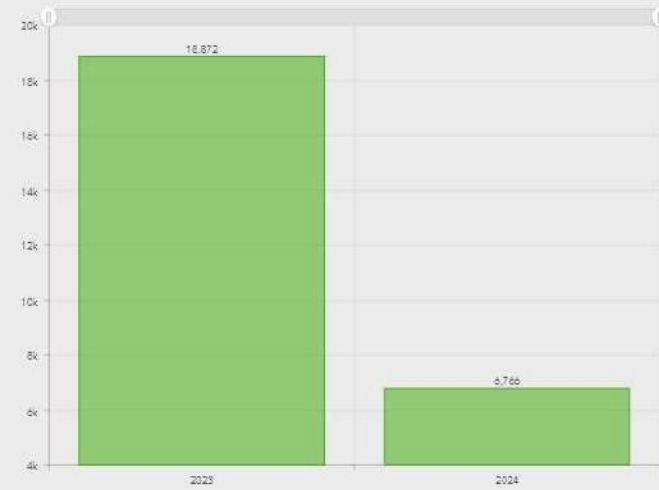
Parks Work Order Summary

Select a date
4/1/2023 - 4/11/2024

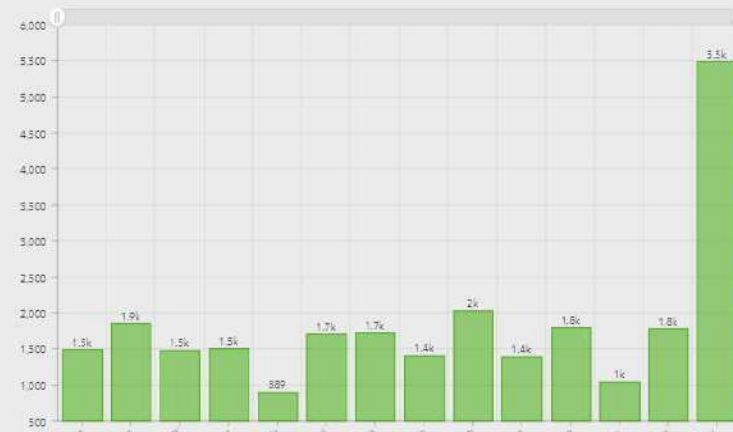
Work Order Desc
No Selection

Park Selection
No Selection

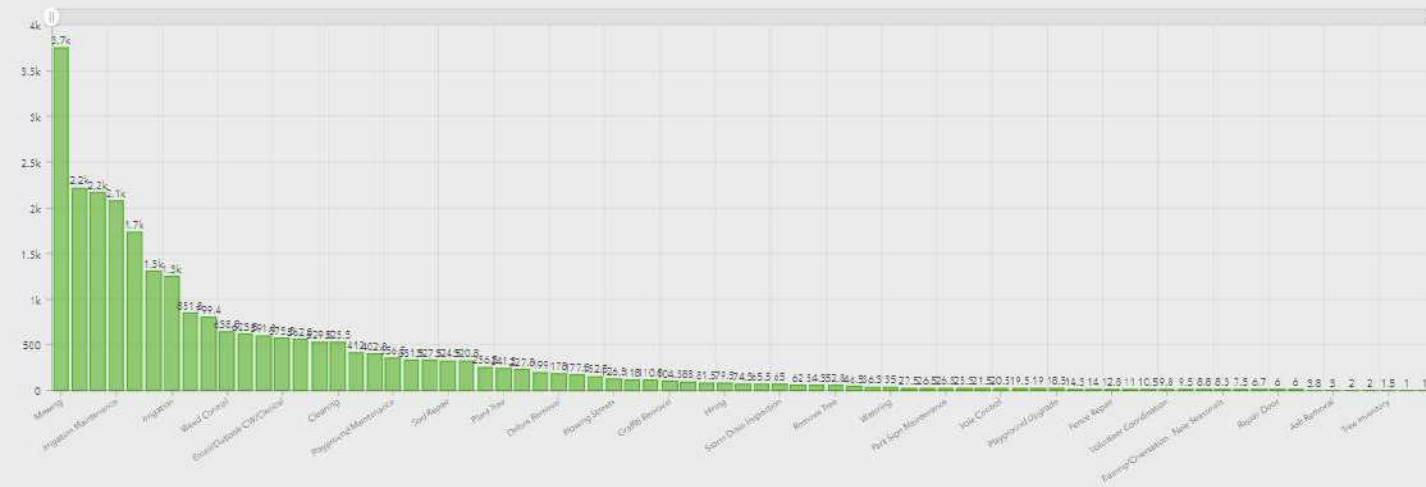
Labor Hours Sum



Employee Hours



WO Desc/Labor Hours ALL



44234	Fence Repair	January 29, 2024
47117	Equipment Maintenance	October 4, 2023
49690	Recreation Help	July 5, 2023
49825	Playground Upgrade	May 17, 2023
51848	Storm Drain Inspection	November 15, 2023
51850	Storm Drain Inspection	November 15, 2023
51943	Irrigation Maintenance	August 23, 2023
52282	Playground Maintenance	February 1, 2024
52329	Pruning	November 14, 2023
52330	Pruning	October 24, 2023
52331	Pruning	June 7, 2023
52332	Pruning	January 2, 2024
52335	Pruning	January 2, 2024
52336	Pruning	January 29, 2024
52337	Pruning	February 14, 2024
52338	Remove Tree	February 21, 2024
52340		

See web site for license constraints

Powered by Etri

Labor Hour Sum

25,637.8

Number of Work Orders

30,821

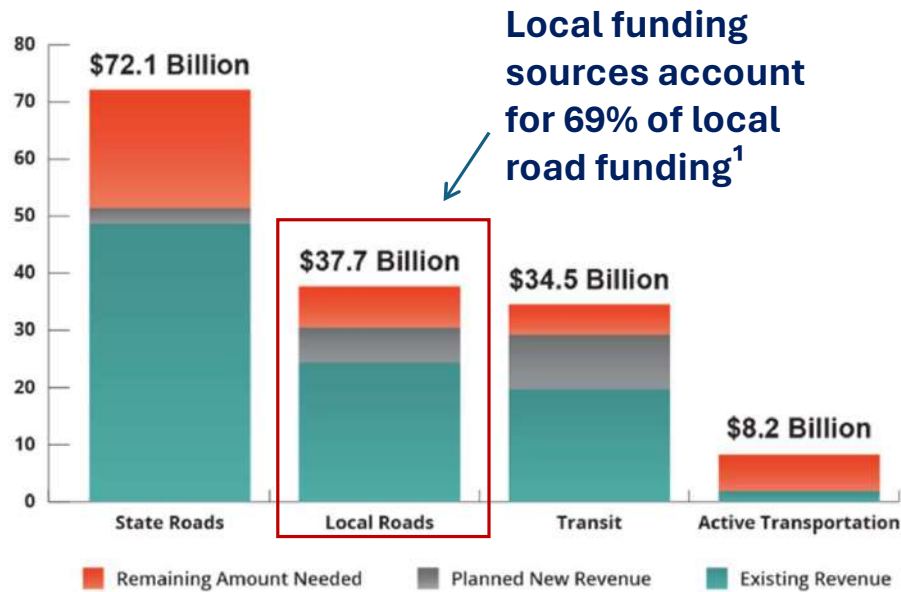


Transportation Improvements

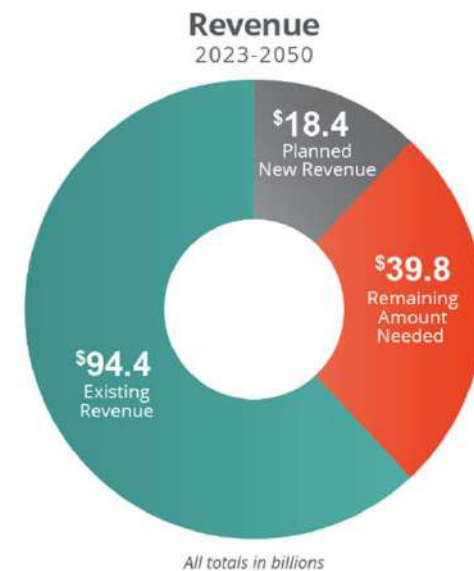
- Utah municipalities are already responsible for maintaining **12,901** miles of road¹.
- 42% of Utah roads are in poor or fair condition².

1. [UDOT Local Government B&C Program 2024 Mileage Report](#);
2. [2023 ASCE Infrastructure Report Card](#)

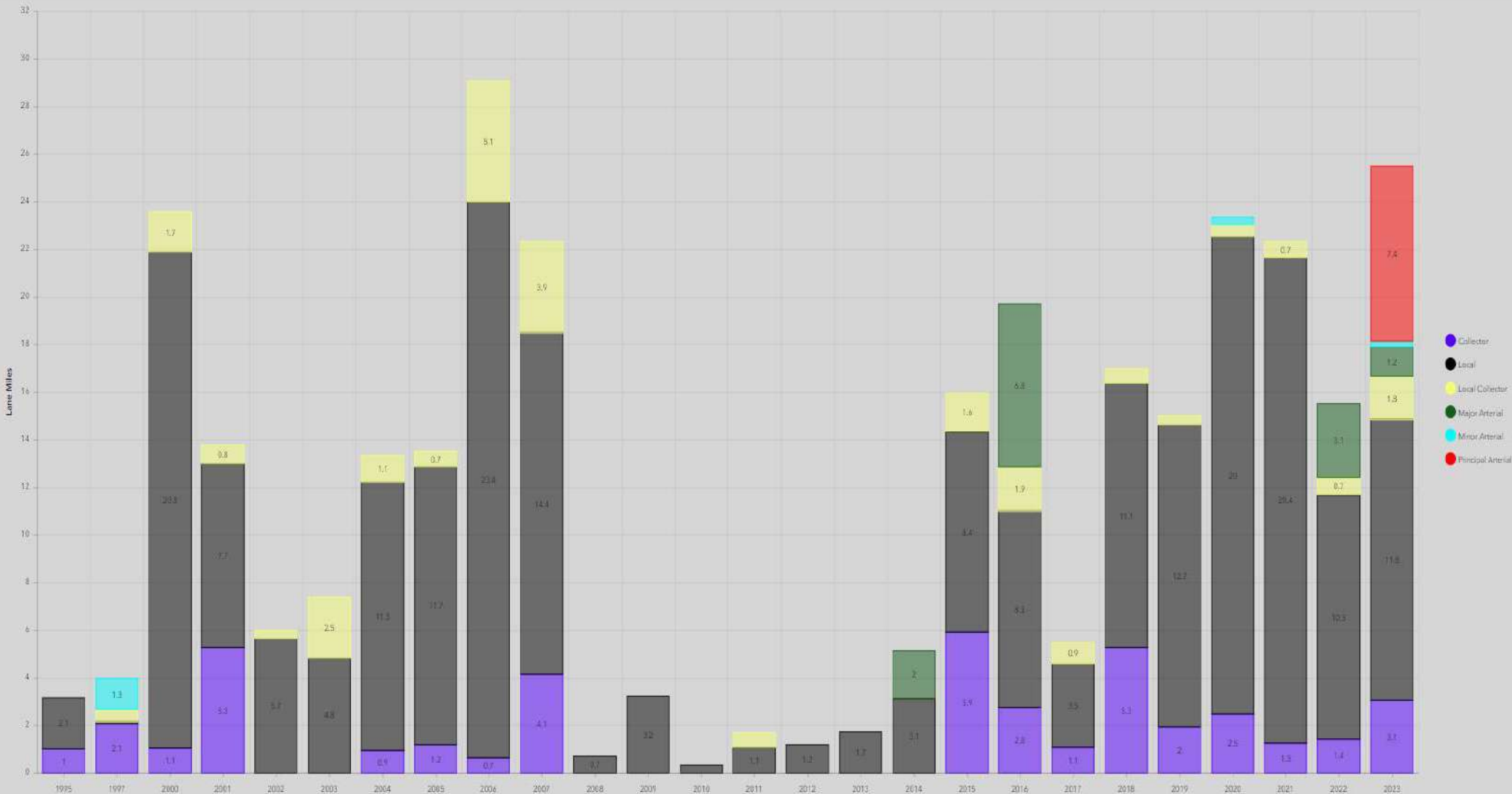
Transportation funding



UTAH'S 2023-2050 UNIFIED TRANSPORTATION PLAN



1. Utah's 2030-2050 Unified Transportation Plan





Water Infrastructure

Estimated \$38b in statewide infrastructure costs by 2060¹

- \$20.6 billion for repair & replacement of aging infrastructure
- \$17.6 billion for new infrastructure, water supplies, and supplier conservation costs

Utah has 885,927 drinking water service lines²

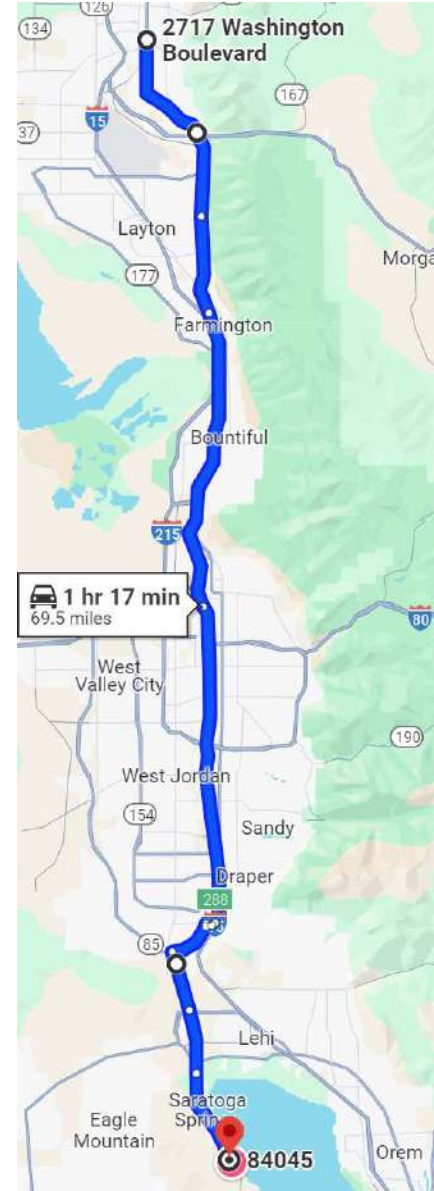
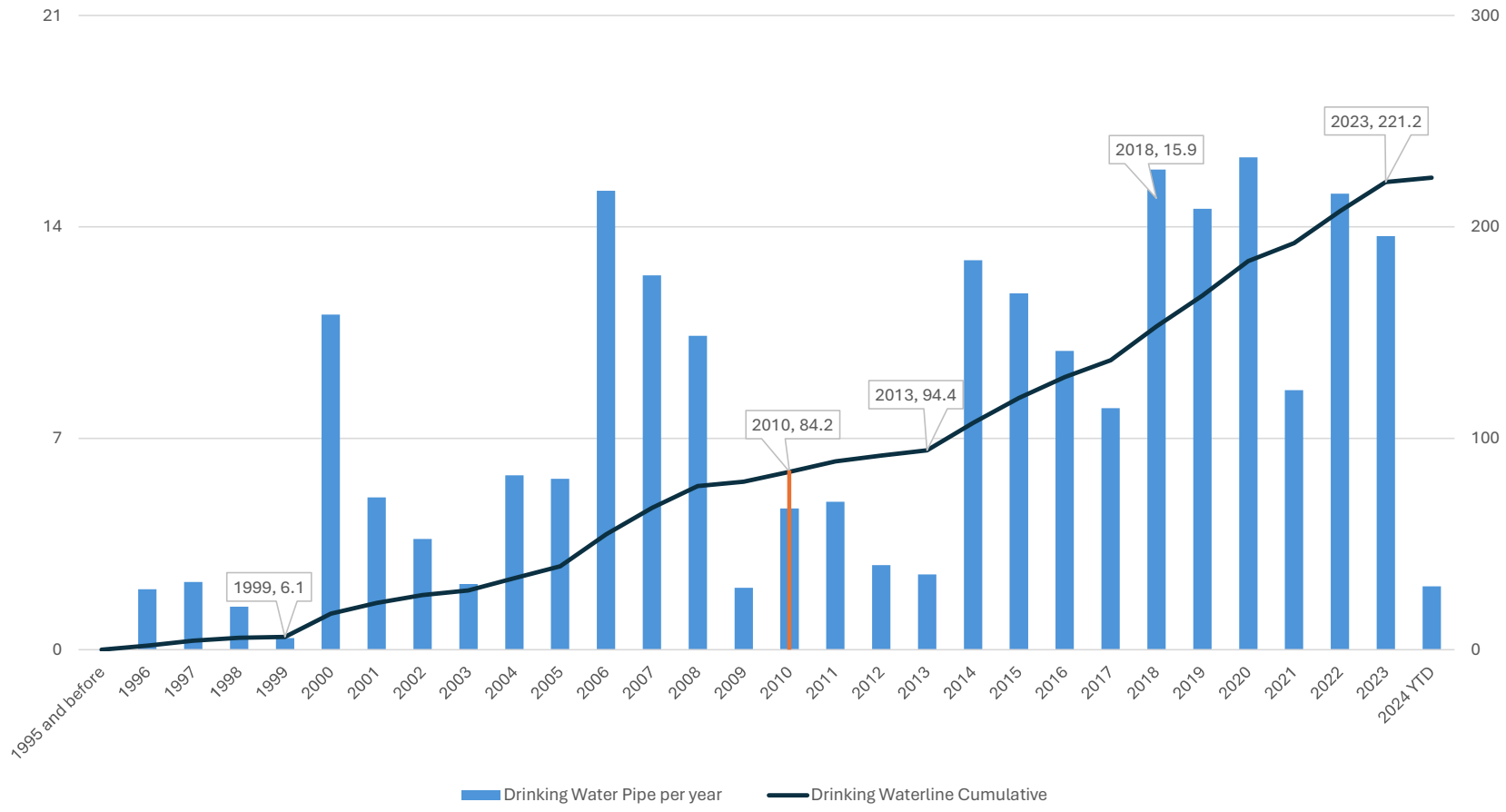
- 9,454 galvanized
- 9,017 lead
- 243,214 unknown

1. Prep 60 Statewide Water Infrastructure Plan;

2. EPA 2023 Drinking Water Infrastructure Needs Survey & Assessment Report to Congress

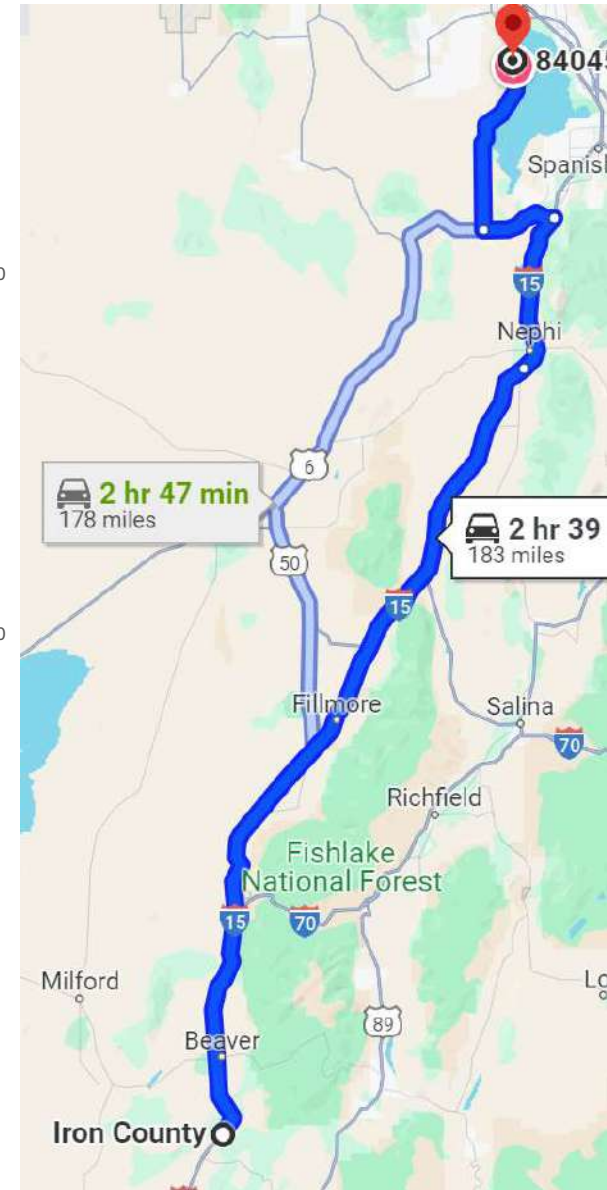
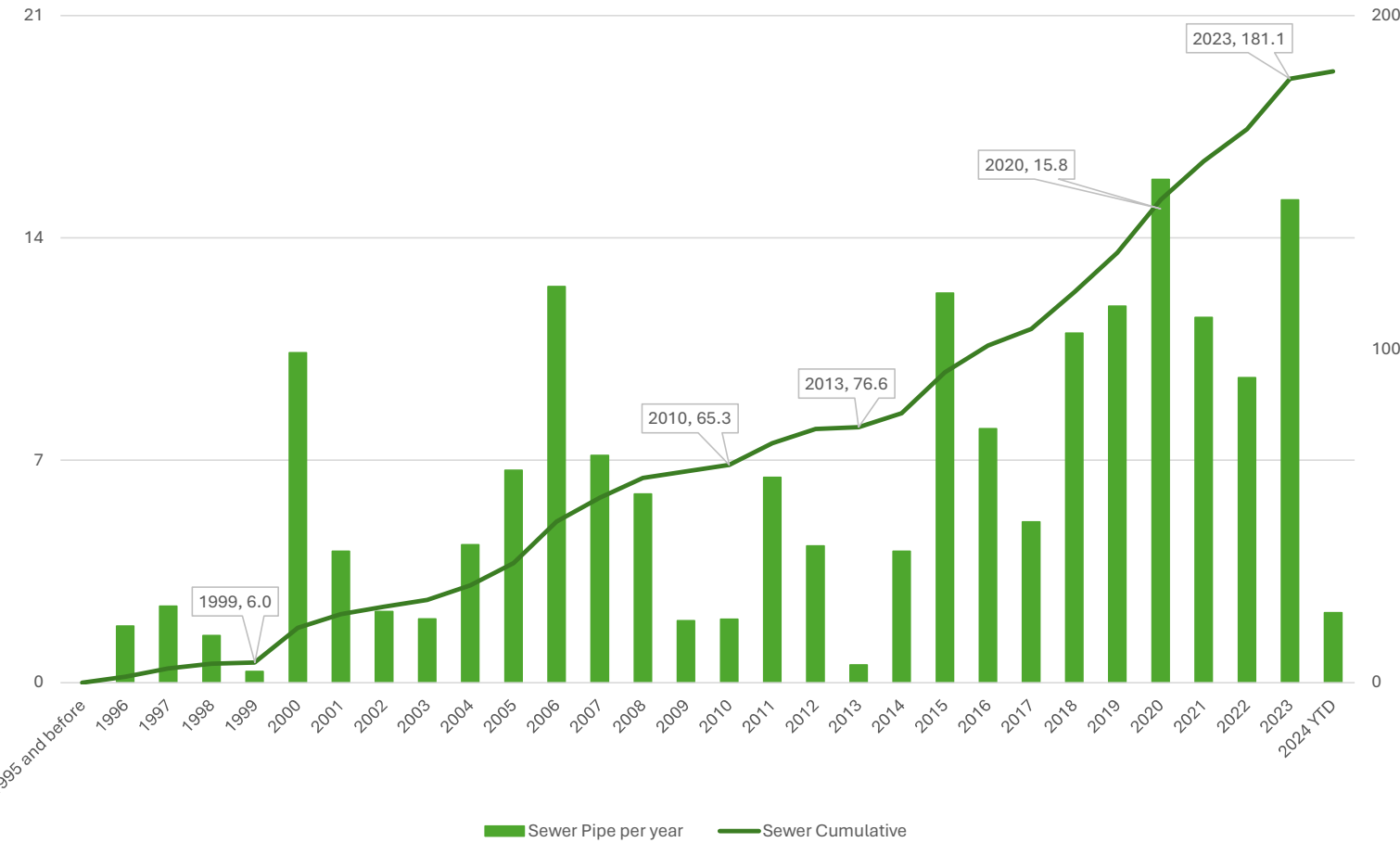
Utility Growth

Drinking Water Pipe Miles per Year and Cumulative



Utility Growth

Sewer Pipe Miles per Year and Cumulative



Drinking Waterline
223 miles

Waterline Waterline YTD Installed/Year

Drinking Water Meters
14,982

Meters Meters By Year Crossovers Service Backflow

Fire Hydrant Count
2,388

Hydrants Hydrants YTD Hydrants/Year (database add)

Secondary Waterline
190.5 miles

Secondary Waterline Waterline YTD Installed/Year

Secondary Water Meters
11,341

Meters Meters By Year

Sewer Gravity Main
183.1 miles

Gravity Main Force Main Gravity Main YTD Installed/Year

Sewer Manholes
5,119

Manholes Manholes YTD Manholes By Year

Grease Traps
62

Grease Traps Clean Outs YTD

Storm Drain Gravity Main
181.7 miles

Gravity Main Gravity Main YTD Installed/Year

Storm Drain Manholes
5,299

Manholes Manholes YTD Manholes By Year

Storm Drain Inlets
6,426

Inlets Inlets YTD

Lane Miles
317.1

Centerline Miles
152.6

Centerline Miles YTD
0.5

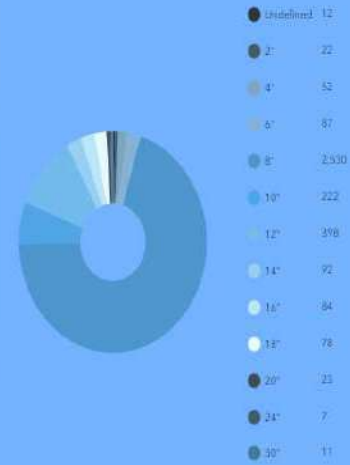
Based on when the centerline was added to the database.

City Maintained Road Lane Miles/Yr. Split by Class Lane Miles/Year Sum UDOT/Private Sidewalk Signs

Street Lights
3,084

Street Light Count Lights YTD Lamp Types

Drinking Water Pipe By Diameter



Developer Narrative – Inspections and reviews not timely

Inspections Last 7 Days

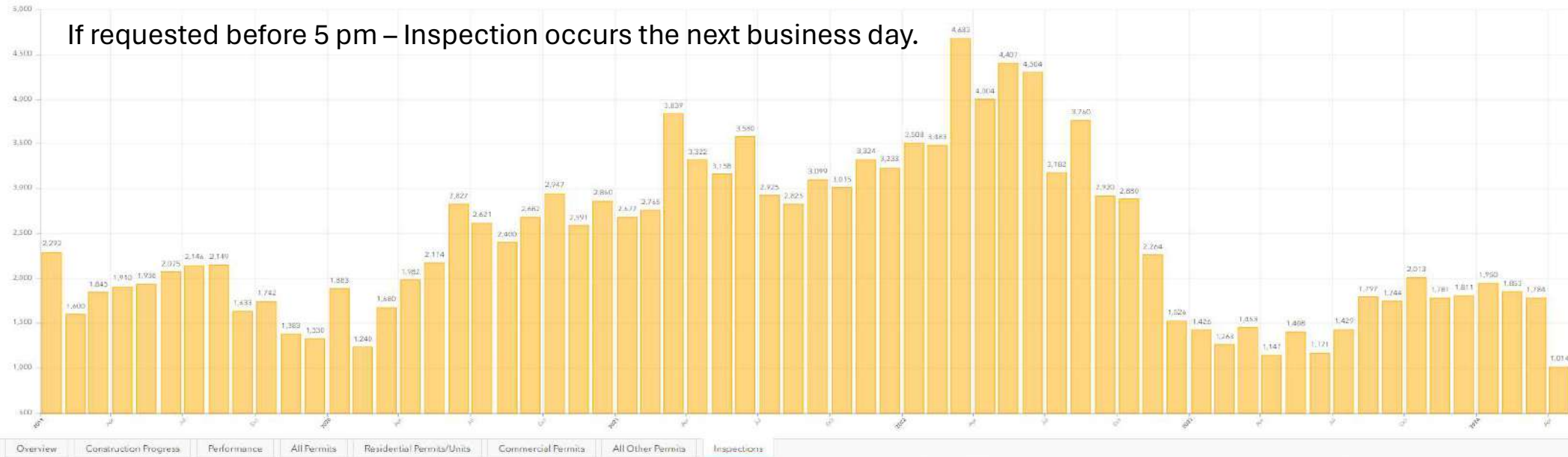
669

Inspections Last 30 Days

2,200

Inspections Performed

If requested before 5 pm – Inspection occurs the next business day.



Developer Narrative – Inspections and reviews are not timely

Building Dept. Dashboard

Average Plan Review

5.4

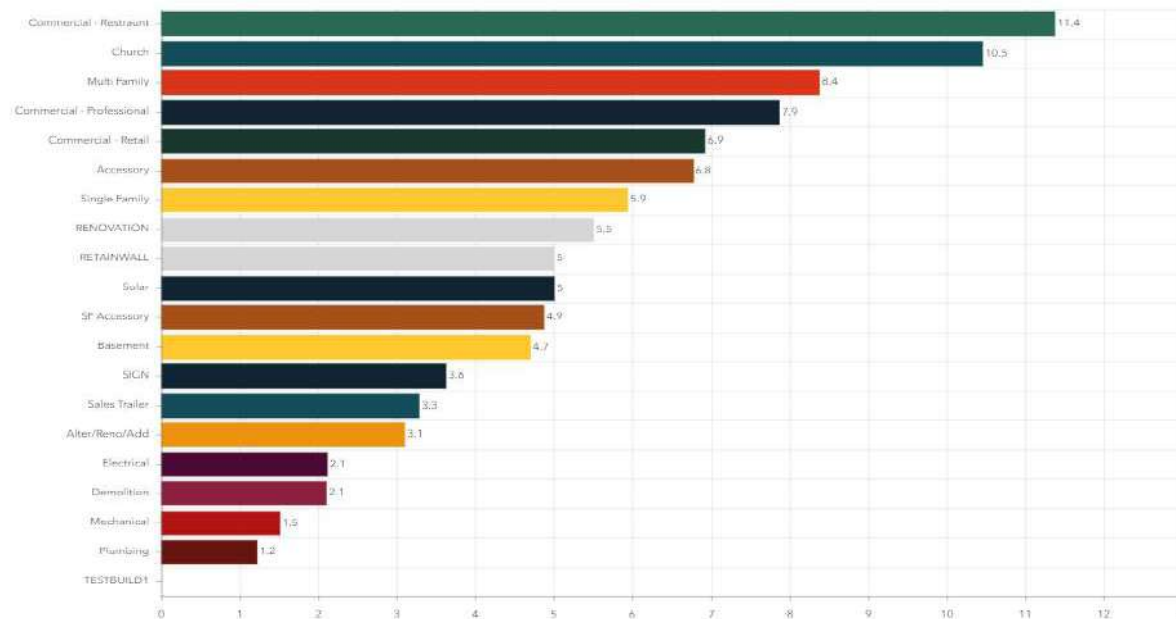
Days

Average Plan Review (90 Days)

6

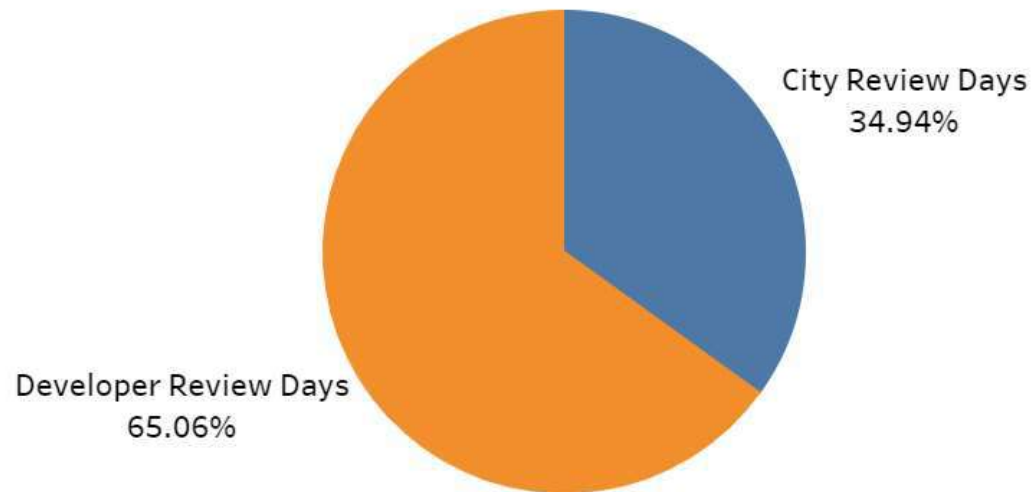
Days

Average Time to Review By Permit Type



Cities are not turning things around fast enough?

Cityworks Planning Data Visualizations

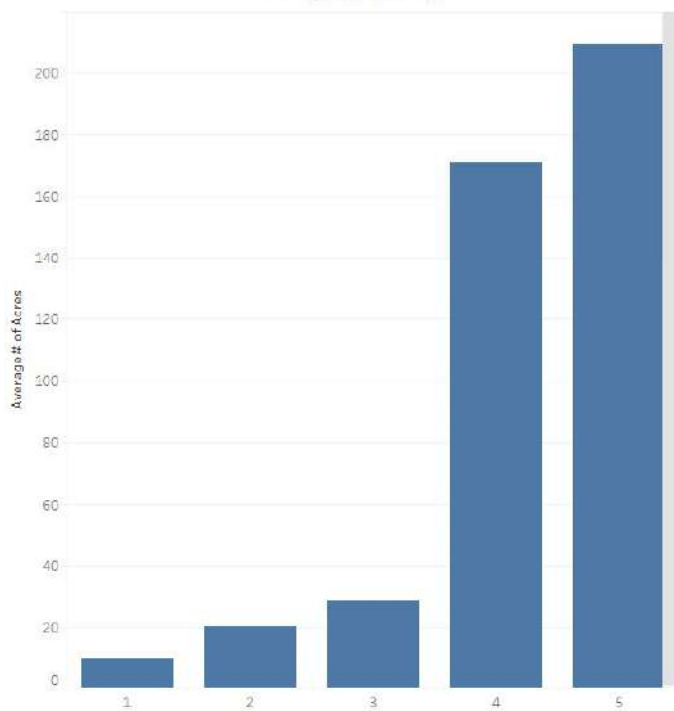


Size and complexity of applications matter in review times. (1-5 Complexity Rating)

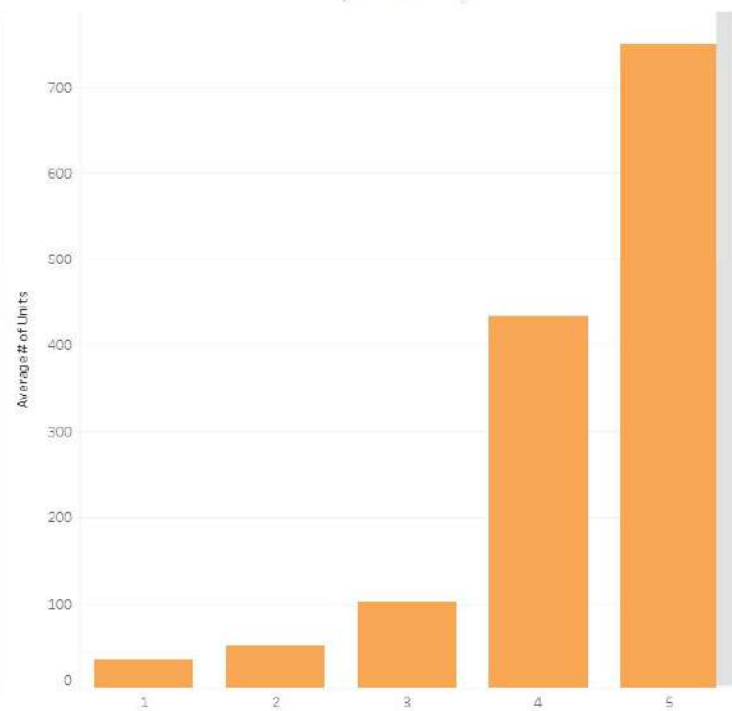
Cityworks Planning Data Visualizations

< Overview of Total Planning Days by Case Planning Review Days by Case Type Complexity by Acres, Units, and Number of Resubmittals Pie Chart - Percentage Breakdown of Total Days >

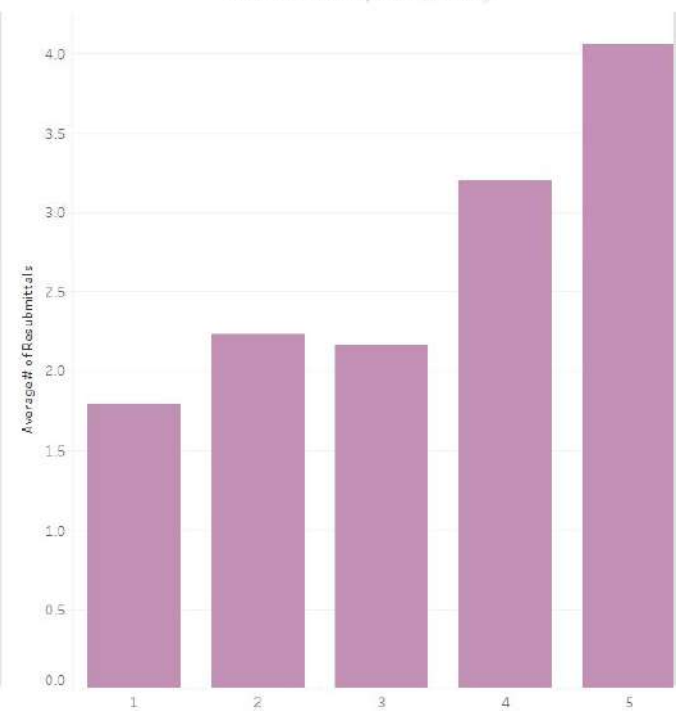
Acres/Complexity



Units/Complexity



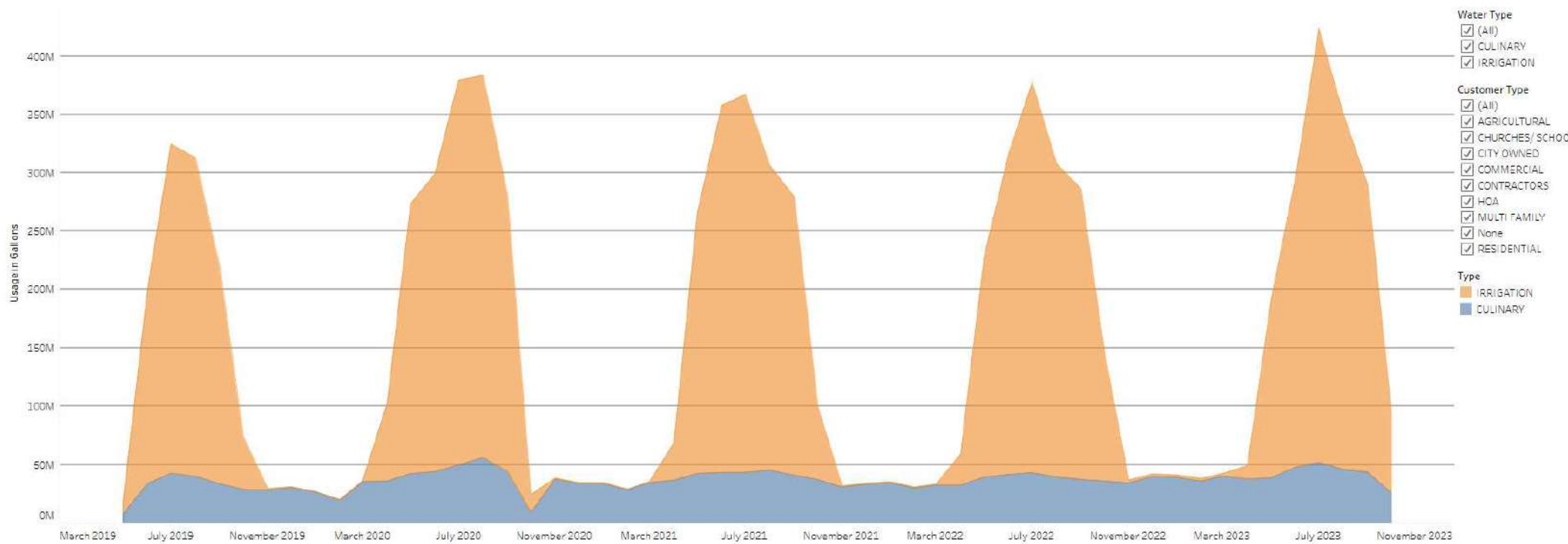
Resubmittals/Complexity




Water Metering

Water Analysis

- Total Usage by Day. Filterable by customer type and water type.
- Total usage by month. Filterable by customer type and water type.
- Comparison of the 2021, 2022, and 2023 Irrigation seasons.
- Comparison of 2020, 2021, 2022, and 2023 total Irrigation
- Growth of the city's population compared to the growth of water
- Quick facts about average per capita usage.

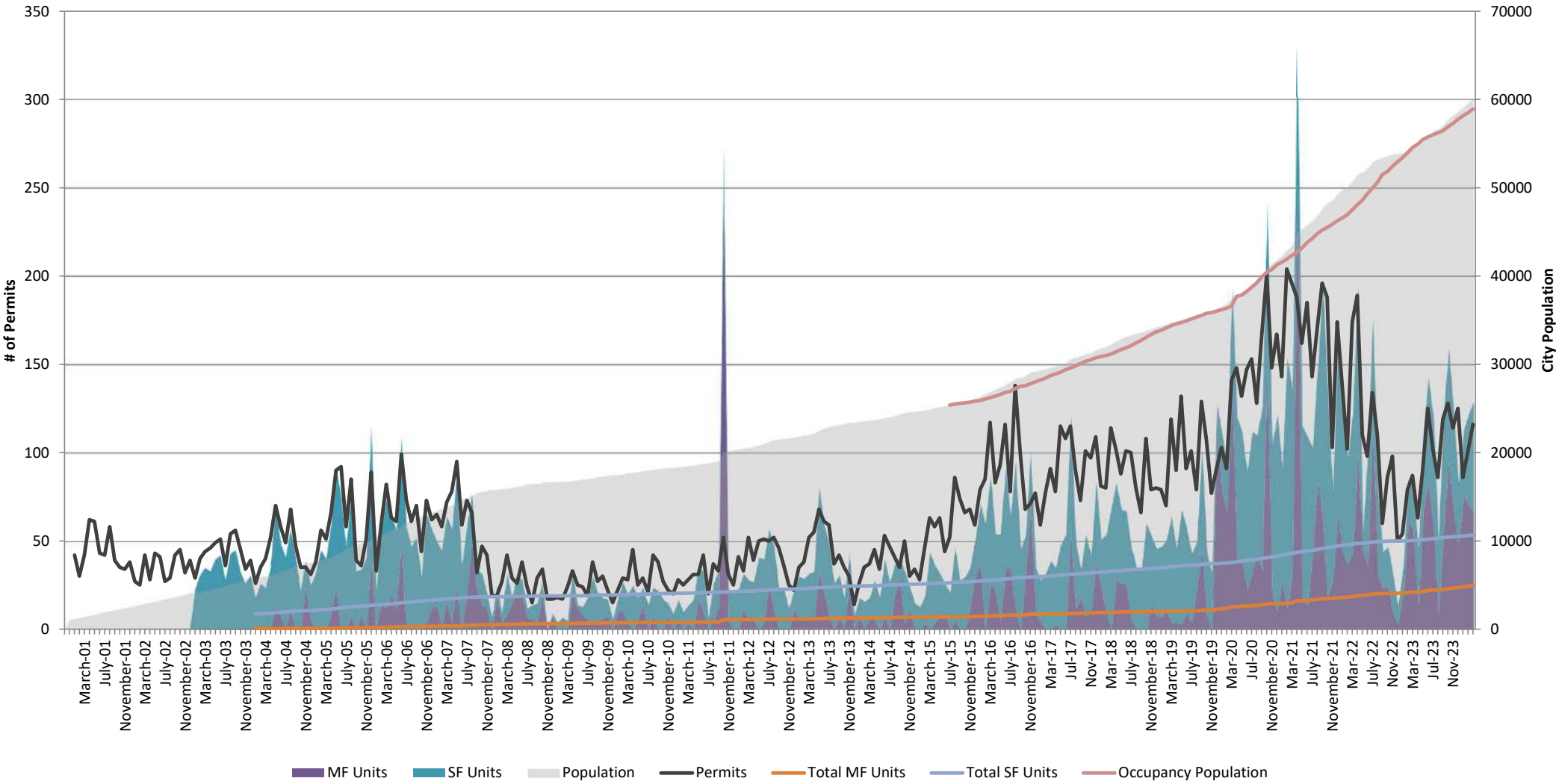


A photograph of a whiteboard mounted on a light-colored wall. The whiteboard has a thin wooden border and contains three lines of black text. The floor in the foreground is made of light-colored wood with a visible grain pattern. To the right of the whiteboard, a white light switch is visible on the wall.

Saratoga Springs
2010 – Pop. 17,500
2024 – Pop. 63,861

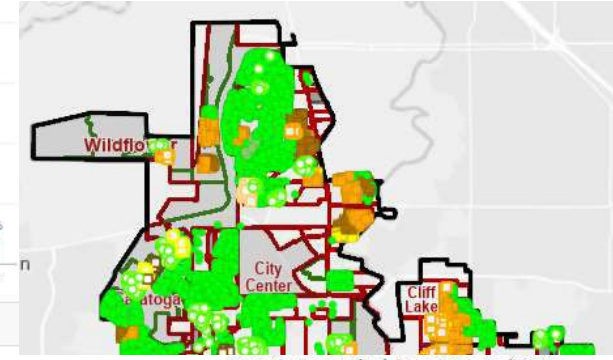
Building Permit Time Series Data

(Est. Population 60,894)

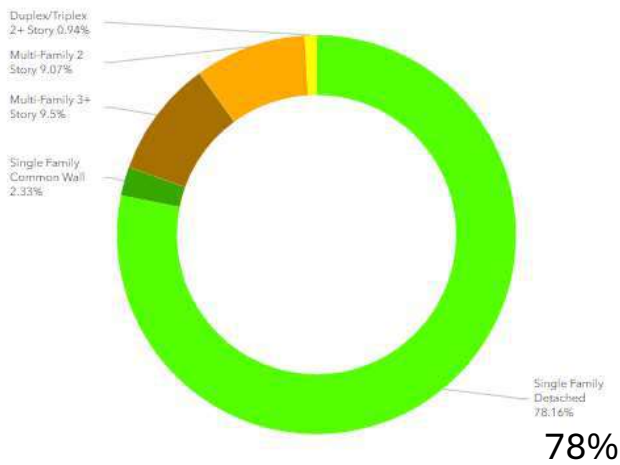


Residential Units Dashboard

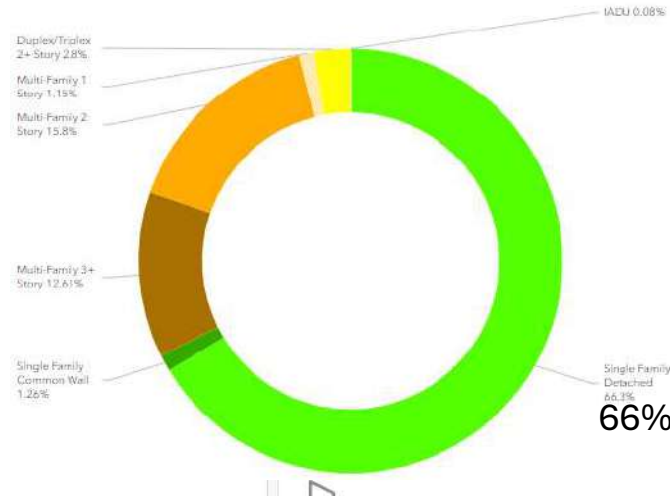
Recorded Residential Units By Year



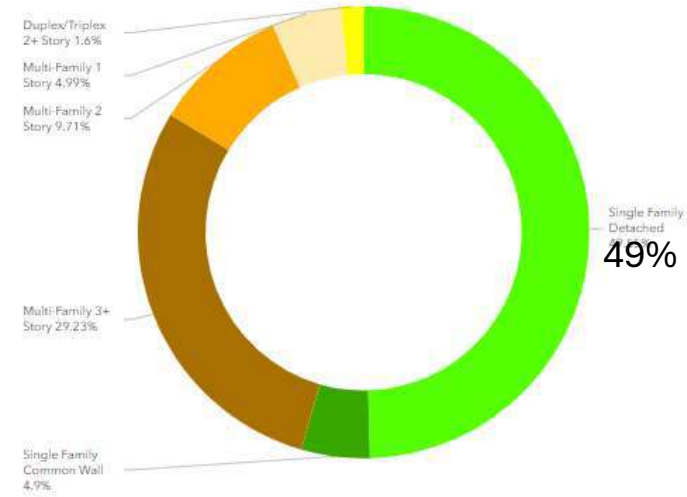
Prop 6: Property Status When Passed (11/19/13)



Prop 6: Recorded Units

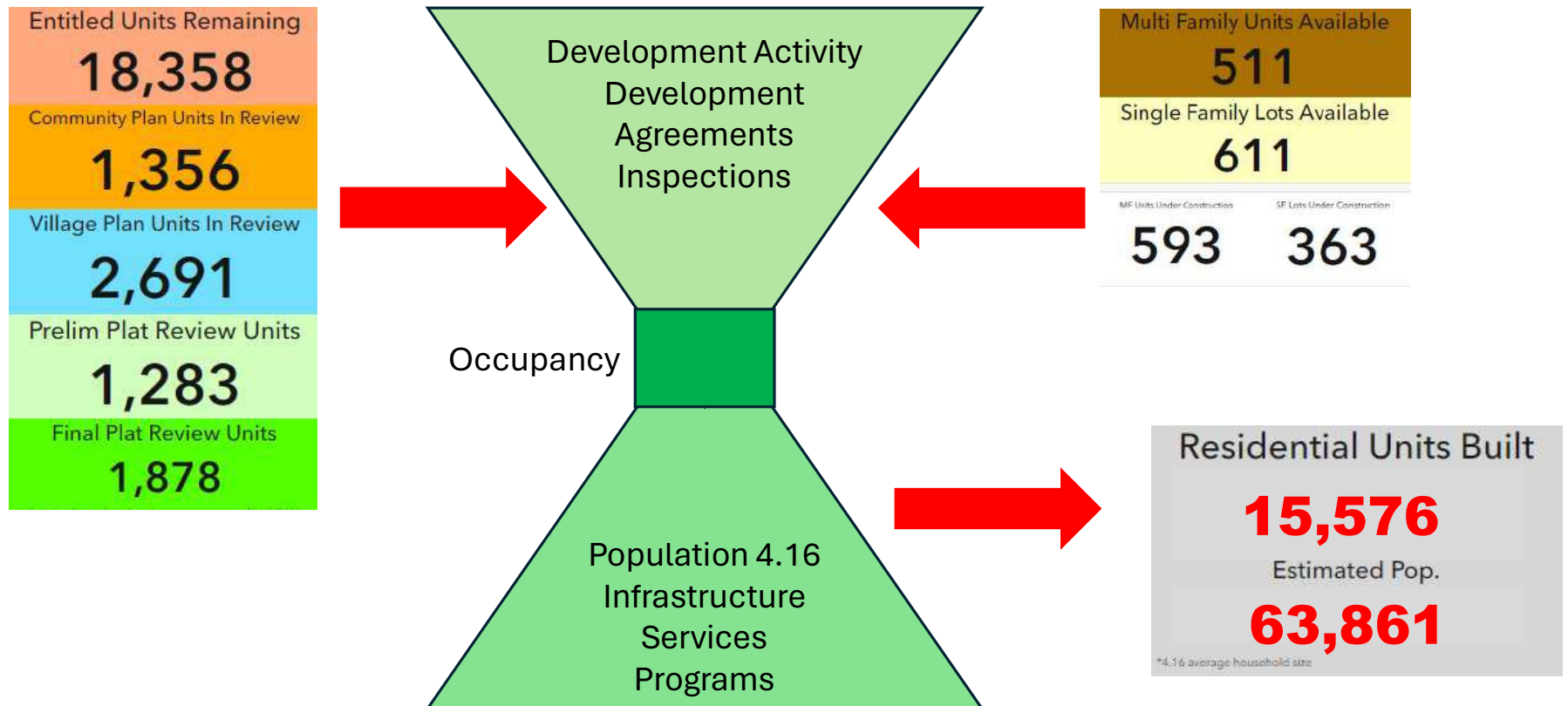


Prop 6: Recorded, Vacant Lots/Units



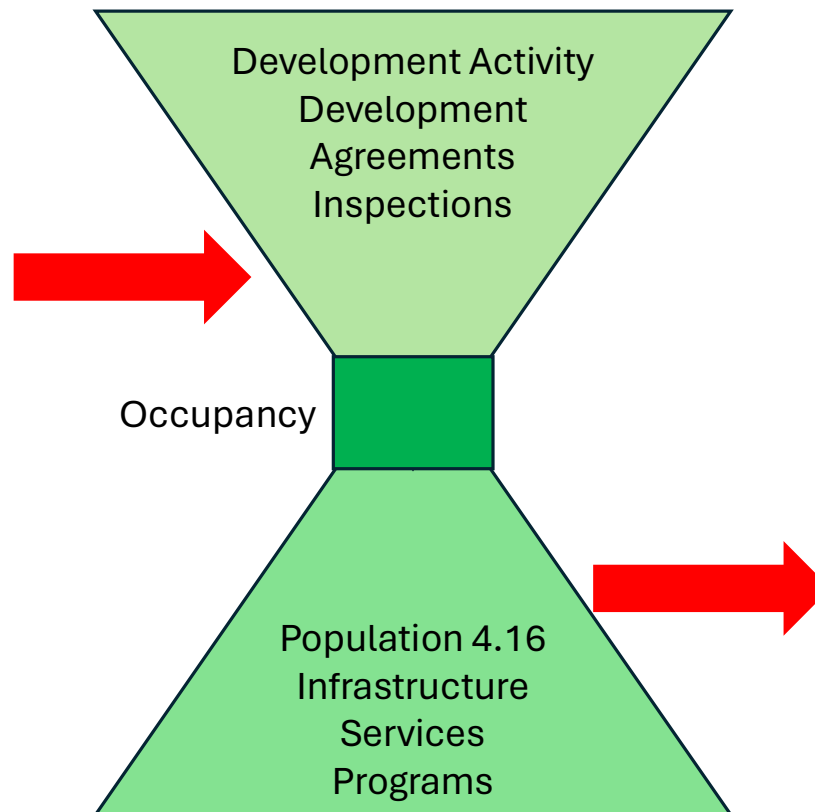
Recorded | Built | Available | **When Prop 6 Passed (11/19/13)** | Minus Vested | Available & Minus Vested

How to manage and plan for growth?

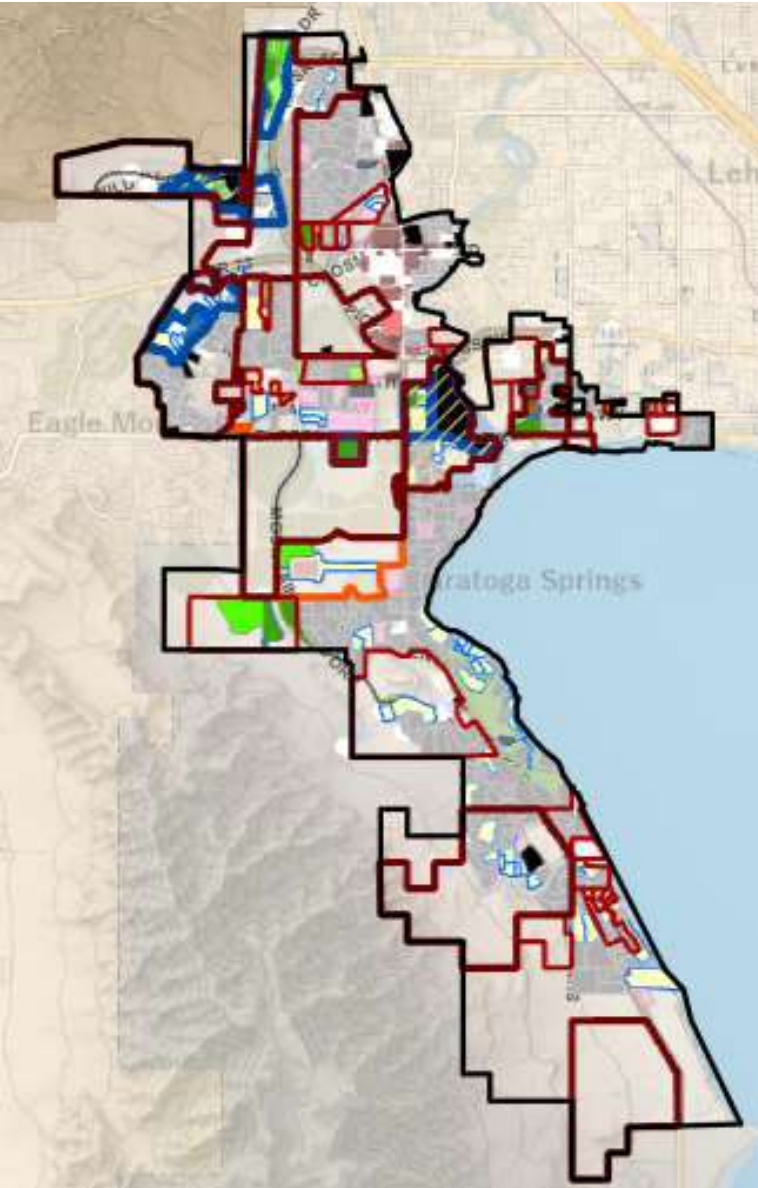


How to manage and plan for growth?

Economic Development
Planning
Engineering
Planning Commission
Legal Department
Mayor and City Council
City Administration
Building Inspections



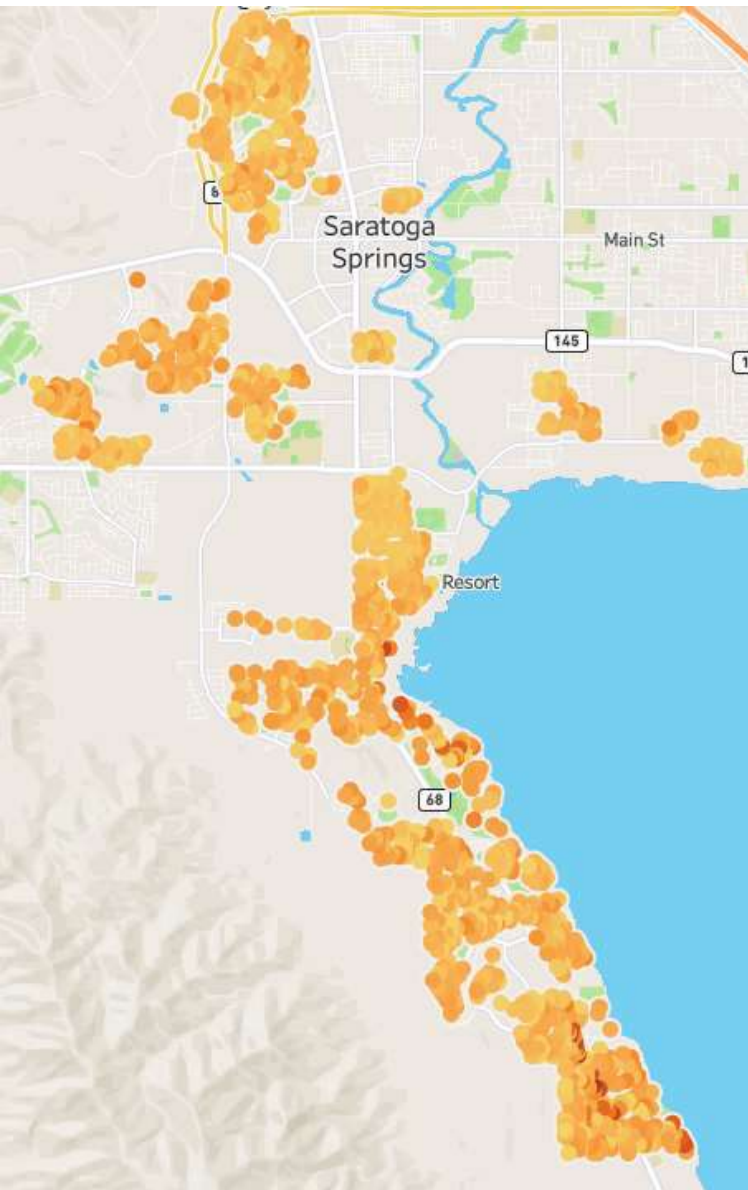
Police
Fire
Public Works
Parks and Recreation
Library
Civic Events
Traffic Management
Utility Departments



Entitled Units Remaining	18,358
Community Plan Units In Review	1,356
Village Plan Units In Review	2,691
Prelim Plat Review Units	1,283
Final Plat Review Units	1,878
Multi Family Units Available	511
Single Family Lots Available	611
MF Units Under Construction	593
SF Lots Under Construction	363
Residential Units Built	15,576
Estimated Pop.	63,861

*4.16 average household size



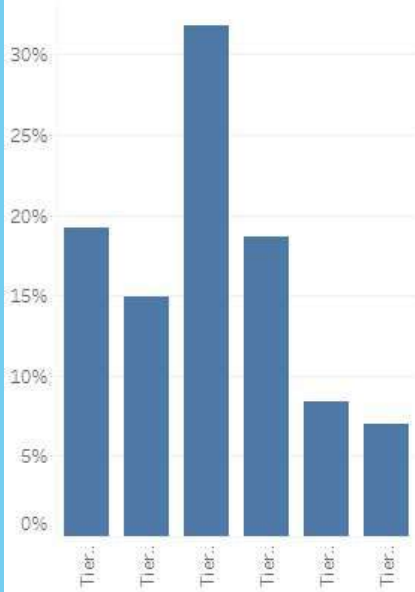


Usage
 1 73,958

Date
 July 2023

Tiers
 (All)
 Tier 1
 Tier 2
 Tier 3
 Tier 4
 Tier 5
 Tier 6

Percent of Total Based on Date Selected



July 2023				
	Allotment Usage	# of Meters	% of Total	Cumulative
Tier 1	0-75%	1,604	19.20%	19.20%
Tier 2	76-100%	1,247	14.93%	34.13%
Tier 3	101-150%	2,658	31.81%	65.94%
Tier 4	151%-200%	1,563	18.71%	84.65%
Tier 5	201%-250%	701	8.39%	
Tier 6	251% more	582	6.97%	

SARATOGA SPRINGS, UT 84045

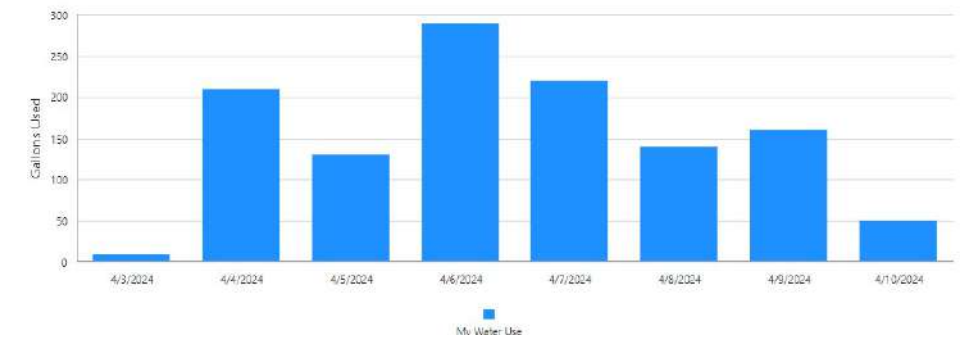
Choose a meter: CULINARY WATER

METER NUMBER SERVICE ADDRESS LAST DATA RECEIVED
 4/10/2024 6:00:00 PM

USE SINCE LAST BILL YEAR TO DATE USE

Previous 24 Hour Use: 120 gal. **30 Day Avg Daily Use: 194 gal.**

Daily Use Hourly Use Current Year Use Historical Use



SARATOGA SPRINGS, UT 84045

Choose a meter: IRRIGATION

METER NUMBER SERVICE ADDRESS LAST DATA RECEIVED
 4/10/2024 6:00:00 PM

USE SINCE LAST BILL YEAR TO DATE USE

Previous 24 Hour Use: 0 gal. **30 Day Avg Daily Use: 0 gal.**

Daily Use Hourly Use Current Year Use Historical Use

Bill Calculator

METER NUMBER SERVICE ADDRESS LAST DATA RECEIVED
 4/10/2024 6:00:00 PM

MONTHLY ALLOTMENT USE SINCE LAST BILL PERCENT ALLOTMENT USED
 25,458 gal. 0 gal. 0.00%

YEAR TO DATE USE LOT SIZE
 0 gal. 0.234 acres

Previous 24 Hour Use: 0 gal. **30 Day Avg Daily Use: 0 gal.**

Last 7 Days Inches Of Water Needed: 1.75 **Last 7 Days Inches Of Water Used: 0.00** **Percent Of Needed Water Used: 0%**

Daily Use Hourly Use Current Year Use Historical Use



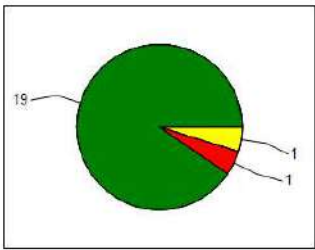
Enhanced communication and customer service



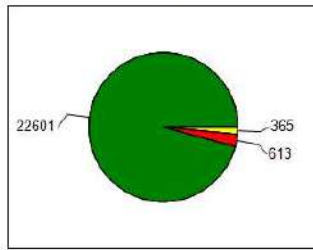
CSS
Date Since (Local): 4/10/2024 7:06:16 AM

Summary

Collectors



Endpoints



Total Collectors - 21

Never Read	1	4.76%
Not Read Last 24 Hours	1	4.76%
Read Last 24 Hours	19	90.48%

Total EndPoints - 23579

Never Read	365	1.55%
Not Read Last 24 Hours	813	3.60%
Read Last 24 Hours	22501	95.89%

Description	Device Type	Reading	Device Group Name	Leak Start Date	Days Since Leak Start	Total Consumption Over Period
100W S	171	3371844	6	2/12/2024 12:00:00 PM	59	577358.1
100W S	171	1275121	9	2/13/2024 2:00:00 AM	58	243180.8
100W S	171	5175691	6	2/22/2024 8:00:00 PM	49	226988.2
100W S	171	6024997	9	2/12/2024 3:00:00 PM	59	226361.4
100W S	171	2629728	5	2/22/2024 2:00:00 PM	49	223319.5
100W S	171	1636281	8	2/22/2024 3:00:00 PM	49	221141
100W S	171	4850900	4	3/5/2024 12:00:00 AM	37	192000
100W S	171	6491714	9	2/12/2024 11:00:00 PM	58	137709.4
100WE/100WP, Water Datalogging ERT Module	107	7824700	6	2/22/2024 3:00:00 PM	49	135790

My City Utility Bill Seems Higher than Usual, Now What?

An unusually high water bill is most often caused by a change in water use or a leak.

Culinary Water (WA) includes any water used inside your home and spigots attached to your home.

NOTE: As your culinary water usage increases, your sewer charges will increase as well.

Pressurized Irrigation (PI) includes water used through your irrigation systems and any spigots (hoses) attached to your irrigation system.

If your water usage seems higher than it should:

- CHECK YOUR CALENDAR.** Did you have guests? Wash a car or a boat? Fill a pool? Establish new landscaping? Discover that a hose was left on?
- CHECK YOUR PROPERTY FOR LEAKS.** Property owners are responsible for all private service water lines from the public water main to the residence and for leaks inside the home and in the irrigation system.
- IF A LEAK IS SUSPECTED AND YOU CANNOT LOCATE A LEAK, CONTACT A PLUMBER OR OTHER PROFESSIONAL TO DETERMINE THE SOURCE OF THE LEAK.**
- If you discover a leak, initiate repairs. After repairs are complete, review the eligibility requirements for the [Water Forgiveness Program](#) on the City web site (SaratogaSpringsCity.com). If you believe you are eligible for water forgiveness, submit the form and any repair-related receipts (i.e. for parts from a hardware store or a payment to a plumber) to the Utility department for evaluation.



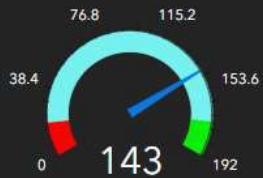
Select a Date Range
No range selected

Tank 1 - Current Level (inches)



Last update: 2 minutes ago

Tank 3 - Current Level (inches)



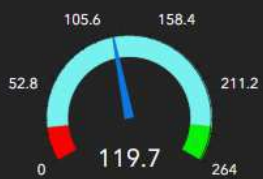
Last update: 2 minutes ago

Tank 5 - Current Level (inches)



Last update: 2 minutes ago

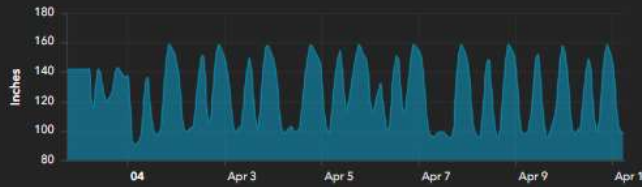
Tank 7 - Current Level (inches)



Last update: 2 minutes ago

Tank 1 - Level (inches)

Hourly Average Within The Last Week

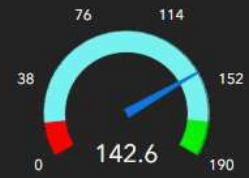


Tank 2 - Current Level (inches)



Last update: 2 minutes ago

Tank 4 - Current Level (inches)



Last update: 2 minutes ago

Tank 6 - Current Level (inches)



Last update: 2 minutes ago

Tank 10 - Current Level (inches)



Last update: 2 minutes ago

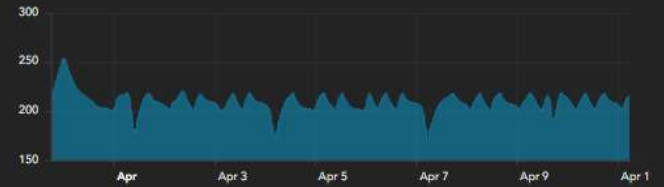
Tank 3 - Level (inches)

Hourly Average Within The Last Week



Tank 2 - Level (inches)

Hourly Average Within The Last Week



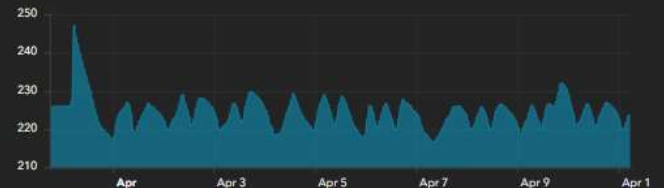
Tank 4 - Level (inches)

Hourly Average Within The Last Week



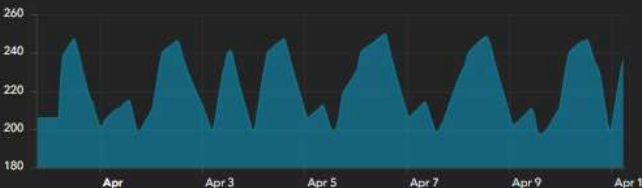
Tank 6 - Level (inches)

Hourly Average Within The Last Week



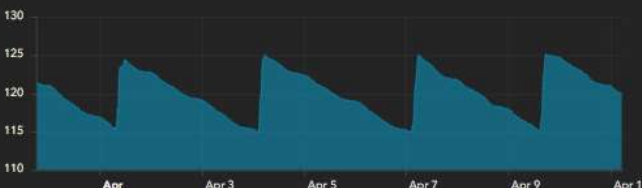
Tank 5 - Level (inches)

Hourly Average Within The Last Week



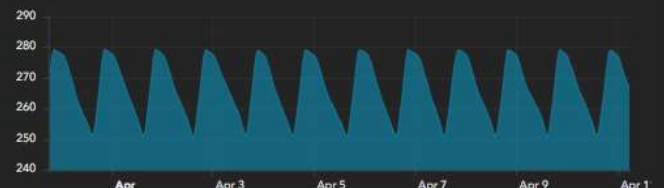
Tank 7 - Level (inches)

Hourly Average Within The Last Week



Tank 10 - Level (inches)

Hourly Average Within The Last Week



Tank Levels

Well 2

Well 3

Well 4

Well 6

CUWCD

Priority 1 - Public & Institutional
100.00

No Unrecorded ERUs with Accepted CD

Priority 2 - Accepted and Under Construction (Residential)
25.00

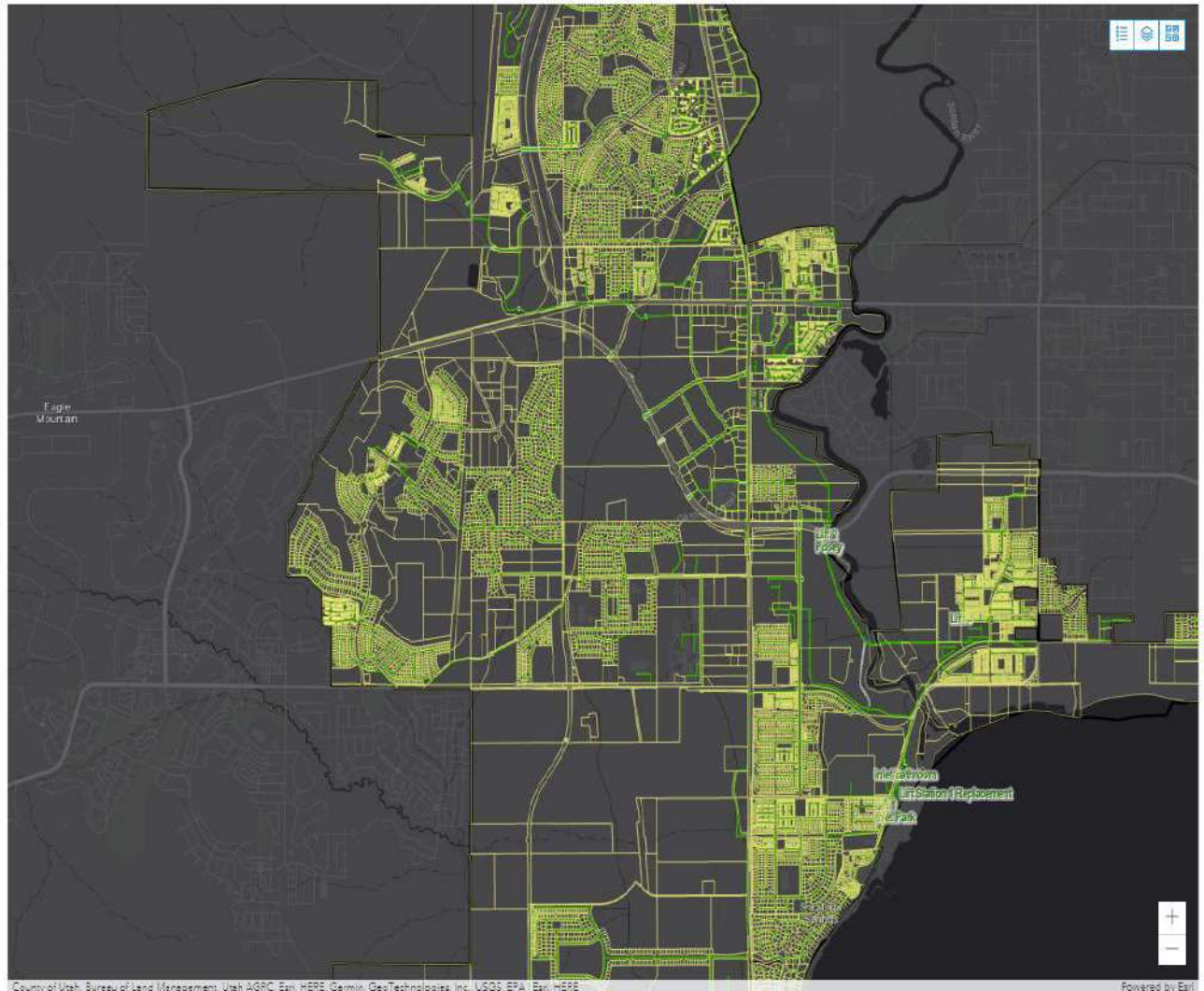
Priority 3.C - Residential Accepted Drawings
192.00

Priority 4 - Recorded Commercial Lots w/o Site Plan
427.36

Priority 5 - Residential ERUs Under Review
1,901.97



Select a Sewer Service Area and desired Property Types from the dropdown menu.



Built Commercial ERUs
657.83

Built Single-Family ERUs
10,173.00

Built Multi-Family ERUs
4,465.00

Built Public Facilities & Institutional Uses
264.45

Total Built ERUs
15,573.28

Recorded Un-Built Non-Commercial ERUs
1,141.34

Total Vested ERUs
17,682.28

