

COUNCIL MINUTES

July 22, 2026

The City Council held a meeting on Wednesday, July 22, 2026, at 5:30 p.m. in the City Council Chambers, 10 North Main Street, Cedar City, Utah.

MEMBERS PRESENT: Mayor Steve Nelson; Councilmembers: Robert Cox; Waldo D. Galan; R. Scott Phillips; Phil E. Schmidt; Carter Wilkey.

STAFF PRESENT: City Manager Paul Bittmenn; City Attorney Randall McUne; Administrative Assistant Natasha Nava; City Engineer Kent Fugal; Senior Engineer Jonathan Stathis; Police Chief Darin Adams; Fire Chief Mike Phillips; Public Works Director Ryan Marshall; Economic Development Director David Johnson; Golf Course Superintendent Steve Carter; Heritage Manager Jason Clark; Library Director Dallen Olcott.

OTHERS PRESENT: Jacob Miner; Bill Payne; Tonya Payne; Jennifer Hunter; Austin Flynn; William Riddle; Ann Clark; Scotty Herrille; David Fiddament; Nathan Richter; Thomas Loveheart; Guage Rosenberg; Tyler Rowland; Charley Adams; Kami Merrill; James Lee; Debra Mulcaky.

CALL TO ORDER: Council member R. Scott Phillips gave the invocation; the pledge was led by David Johnson.

AGENDA ORDER APPROVAL: Councilmember Phillips moved to approve the agenda order; Councilmember Cox seconds; vote unanimous.

ADMINISTRATION AGENDA – MAYOR AND COUNCIL BUSINESS; STAFF

COMMENTS:

■Economic Development End of Fiscal Year Recap.

See Exhibit “A”. **David Johnson** I’m here to give an end of year update. **Phillips** do you have numbers related to the seven ribbon cuttings regarding investments? **David** I don’t, but I can get that information. **Phillips** data from the July Jamboree should be included in the presentation.

David I have some tourism data that I can present. Daisy is working on collecting data to assist the City. **Mayor Nelson** I would like to see tourism data for the various events that the city provides funding for.

■Presentation of 2025 Water Report.

Jonathan Stathis See Exhibit “B”. This report is of the calendar year 2025. It is also available on the city website. The city must file a report with the state by the end of March each year. The overall water use in acre feet in 2025 was 8% less than 2024. We average about 400 homes built annually. That means that our conservation efforts are paying off. The city continues to acquire water rights from developers and the city purchases water rights as they become available. In terms of water use, the peak day usage was 16 million gallons per day on August 5th. The peak day average over the past 10 years has been 15 million gallons per day. The peak day is very important because the city must construct infrastructure to meet that peak day demand.

CONSENT AGENDA: (1) APPROVE MINUTES DATED JULY 1ST AND 8TH, 2026
(2) APPROVE BILLS DATED JULY 15TH AND 16TH, 2026 (3) APPROVE PURCHASE OF
TORO REELMASTER FAIRWAY MOWER IN THE AMOUNT OF \$100,277 (4)

APPROVE LEASE AGREEMENT WITH HIGHLAND GOLF IN THE AMOUNT OF \$5,198.27 PER MONTH.

Councilmember Phillips moved to approve the consent agenda as written above, seconded by Councilmember Cox; vote unanimous.

(5) CONSIDER CONTRACT RENEWAL WITH FLOCK SAFETY IN THE AMOUNT OF \$157,500.01 PER YEAR. DARIN ADAMS Mayor Nelson

We have already had a work meeting where we listened to public comments. We decided to allow extra time between the work and action meeting so that we could do our due diligence. It's been about a month and in that time there has been a lot of engagement. I've watched a lot of videos and read a whole lot of articles, and I think all the council has tried to be diligent in understanding the arguments and the perspectives. **Chief Darin Adams** See Exhibit "C". I was asked to provide information regarding case success due to Flock. I have served with the police department for nearly 29 years. I've lived in Cedar all my life. I love this community. I'm passionate about protecting the people that call Cedar City home. Over the past year, as I have demonstrated, Flock Safety has proven to be an exceptional partner in that mission. This technology has played a significant role in helping us identify suspects, recover stolen property and vehicles, locate endangered individuals, and solve cases that I'm confident would have remained otherwise unsolved. More importantly, it has helped bring justice to victims who deserve answers and accountability. I also recognize that with any technology comes a responsibility to ensure it is used appropriately. Accountability is extremely important to me. Since implementing the system, I have made it a priority to audit its use and ensure officers are using it in accordance with policy, the law, and public trust. Public trust is earned, through transparency, accountability, and responsible leadership. Those principles have guided our use of this technology from the beginning, and they will continue to guide us moving forward. I serve at the pleasure of the mayor and the council. I value your leadership and your oversight, and I respect the decisions you make on behalf of our community. Whatever decision is made tonight, I will support and implement faithfully. Based on the measurable results we have seen over the past year, the lives positively impacted, the crimes solved and the justice provided to victims. I believe the evidence clearly demonstrates that Flock Safety has been a valuable investment for Cedar City. And for those reasons, I respectfully recommend approval of the renewal contract before you this evening. **Phillips** this renewal contract is not expanding the current agreement in any way. **Darin** correct. We're not adding more equipment than what we already have. **Wilkey** what is the recourse if our own officers are caught misusing the system? **Darin** we have a policy that strictly guides that. There is a statute under 416A 2006 which makes that a class B misdemeanor to utilize this data, this hardware, and software in a manner contrary to the statute. **Wilkey** our contract is a two-year cycle, will this always come before the council for renewal? **Darin** yes. This will always come back to the council for approval. **Wilkey** can you report back to the council on a quarterly or yearly basis with information regarding how Flock was used by law enforcement? **Darin** that could be part of our annual information sharing. **Galan** I would like an additional auditing layer that includes monitoring the use or abuse of any of the parameters as they are established today. Absolutely no changes can be made to Flock without being approved by council. **Wilkey** I want to make sure that the public is confident that any abuse will be treated swiftly and with the highest of consequences to that officer. I want a policy drafted with the ramifications of abuse. What if anything is abused on Flocks end? **Randall** in the event of any material breach of this agreement the non-breaching party may terminate this agreement prior to the end of the term by giving 30 days prior written notice to the breaching party. This agreement will not terminate if the breaching party has cured the breach prior to the expiration of such 30-day

period. If we feel like they're in breach, and we can obviously prove the breach occurred, we have a 30-day written intent to terminate. **Phillips** If there is damage to the cameras or vandalism of some type, who is responsible for the repairs? **Randall** the city is financially responsible. **Cox** I've watched, studied, and learned about what this technology does, I have some concerns and I think if we go down this path, we need guardrails. We need immediate termination of any officer that abuses it. I think if there's any outside entity that requests any data from our database, that must be disclosed publicly. The internet can be a tool, or it can be a weapon. Our cell phones can be a tool, or it can be a weapon. Almost every technology out there can be a tool, or it can be a weapon. And it depends on the integrity of the people using it. I honestly think this can be a huge tool if we have the proper guardrails and good people. Not every police officer is a good one, right? But most of them are, and we get a bad rap for the few bad ones. Human errors will occur with or without Flock. I'm maybe one of the most conservative members, I respect property rights and I respect the Constitution. 30 judges have determined that there's no reasonable expectation for privacy in the public domain. This system isn't going into your home. It doesn't follow you home. It does track patterns, and that's a concern. That's why we need the guardrails for the rogue ones. If we banned any technology that had been abused, we wouldn't have any technology at all. The cameras in Beaver Canyon gave early warnings of the flash flood and they saved lives. Are we not going to use that technology to help people? I'm willing to take a risk that this is a tool as opposed to a weapon. And once it becomes a weapon, I'll be the first one with the pitchfork and the torch. If we decide not to have this, and the surrounding cities up and down the I-15 corridor do. All the drug deals and illegal activity will happen here. It's shown that they're seeking smaller communities that don't have this technology. I love this community and I would not want to do anything that would harm its citizens. The misuse that everyone is concerned about has not happened here. **Darin** correct. We train, we watch carefully, we audit, it's a topic of conversation amongst the officers all the time. They know how I feel. They know if they misuse it, it's trouble. We are on top of that and we will continue to be on top of it. **Schmidt** Flock cameras are legal to use across the United States, but their deployment remains a subject of intense legal and privacy debate. Courts have generally ruled that there is no reasonable expectation of privacy on public roadways, making the use of automated license plate readers legal on public streets. While inherently legal, their use is heavily governed by state and local regulations. And I hope that the public here can see that the council is taking that stance very seriously, that our chief is taking that very seriously and we're trying to put the regulations and the procedures in place so that this stays a positive tool and it does not get out of hand. **Galan** we all have a desire to mitigate the suffering that goes on in some of these circumstances, all of us are united in that. And if this tool will help us to mitigate it, then we're going to go for it. **Mayor Nelson** we have taken the time to evaluate every aspect, every document, every video, every hacker's warning. I want to make sure we have guardrails in place right off the bat. I have concerns as the public has concerns. I do feel like the way we're using this technology has a ton of value and I can see the positive outcomes of it when we use the information in the right way. My recommendation is that we come up with specific policy guidelines with strict accountability and auditing. We might not have those parameters tonight; I hope that the motion includes a policy on the use of this technology. Maybe Flock is not the best technology out there, maybe we find a different system in the future. We can look for a different option with better software. **Wilkey** we represent 42,000 people in this community. I've tried to do my due diligence as best I can, there are people in support of this technology, and there are people firmly against it. I would like to see what other options exist. Are there better companies that we can work with. There are benefits to being part of a bigger system, there can be dangers as well. I would be in favor of looking to see if there is a way to keep things more in-house. I have five young children at home, all under the age of 9 years old. And if something were to happen to one

of my kids, and this system could be used to save them or any other child, there's no price that you could put on that. Are there things that scare me about it? Yes. Does big brother scare me? Yes. At the end of the day, we must decide if the known good, outweighs the potential bad.

Councilmember Phillips moved to approve the contract renewal, with the understanding that this is a renewal that'll come back to the council for all future renewals. If there are any infractions or changes, we will exercise our right to terminate the contract within 30 days written notice. We will add guidelines for additional auditing procedures to be fully transparent and brought to this council body on a regular basis, and we will adopt a zero-tolerance policy clearly defining what happens with a violation; seconded by Councilmember Schmidt; vote as follows:

R. Scott Phillips -	aye
Robert Cox -	aye
Carter Wilkey -	aye
Phil Schmidt -	aye
Waldo Galan -	aye

(6) CONSIDER A RESOLUTION TO APPROVE A REPLACEMENT BOARD MEMBER FOR THE TRAILS AT SHURTZ CANYON PID. J TYLER KING/RANDALL MCUNE
Randall no changes from what was previously presented.

Councilmember Wilkey moved to approve the resolution; seconded by Councilmember Schmidt; vote as follows:

AYE: 5
NAY: 0
ABSTAINED: 0

(7) CONSIDER A RESOLUTION APPROVING THE HERITAGE CENTER FEES AND CONTRACTS. JASON CLARK/RANDALL MCUNE: **Jason Clark** See Exhibit "D". We have put together a proposal that covers the concerns that were expressed at the last meeting. We want to make sure that we are responsive to council and the administration's desires to narrow that gap between revenue and expenditure. We started off by making the rates for Festival Hall more competitive. We looked at what it costs to utilize our facility versus other facilities on a per-seat basis, and we have increased the rate per your request. We eliminated the discount for rehearsals on Fridays and Saturdays as requested. We will preserve those primarily for performances. We can accommodate rehearsals on those dates if needed. **Wilkey** the proof will be in the pudding. We can evaluate these changes next budget year. This is a community theater, this will affect some people to the point where they may not be able to use our theater, hopefully that doesn't happen too much. **Galan** I think we are much closer to where we need to be, our next priority needs to be marketing within Cedar City and outside of Cedar City. **Jason** now that we have finalized pricing, we will begin marketing efforts.

Councilmember Schmidt moved to approve the Resolution approving Heritage Center fees as outlined; seconded by Councilmember Galan; vote as follows:

AYE: 5
NAY: 0
ABSTAINED: 0

Public Comment

Scotty Harville the Pioneer Day event is tomorrow the 23rd, the gates open at 7 p.m. The American Legion and the Triple Dues are putting on the color guard and honor guard to pay tribute to Lieutenant Tyler James Feehan who recently passed away. **Galan** I want to thank you again and your colleagues. The way that you presented the colors at the Catholic Church, it literally brought tears to my eyes. You guys are so reverent and just wonderful. Keep it up we really appreciate and respect you for what you do. **Scotty** It's an honor. We're expanding our programs and getting more services out there and working with all the veterans' organizations to bring services to our veterans, our families, and our community because that's what it's about. We're all one and the same. We all raised our hand to defend the Constitution and this country.

James Lee you guys swore to the Constitution when you took office. Do you believe in it? **Wilkey** yes. **James** What is it called when you have a whole bunch of fish together? **Phillips** A school. **James** What about a grouping of snakes? A den. What about a bunch of sheep. A flock. That's Flock cameras. I'm not no damn sheep. I didn't even know they had these things here. But license plate reader. Why do we need police. Them Flock cameras don't help nobody except the cops. These Flock cameras, I think they ought to be in every one of your offices so every one of us can tune in and see what you're talking about. I'm against them all the way!

ADJOURN: Councilmember Phillips moved to adjourn at 6:54 p.m.; second by Councilmember Schmidt; vote unanimous.



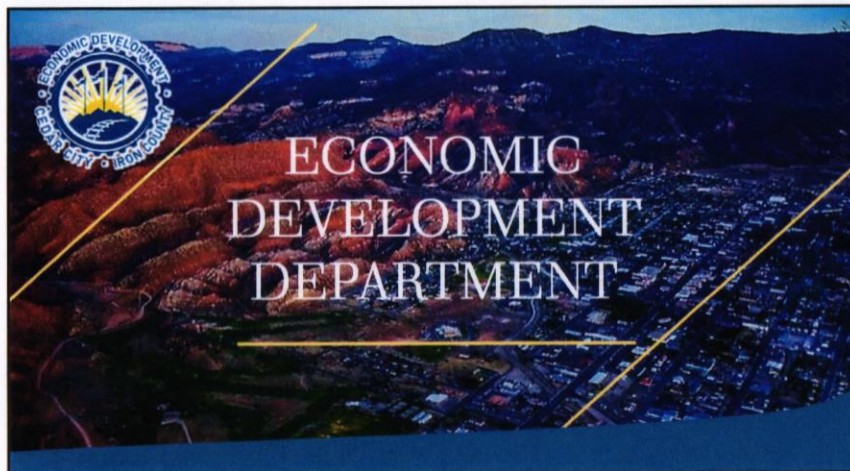
Natasha Nava
Administrative Assistant

SIGN IN SHEET

City Council

July 22, 2026

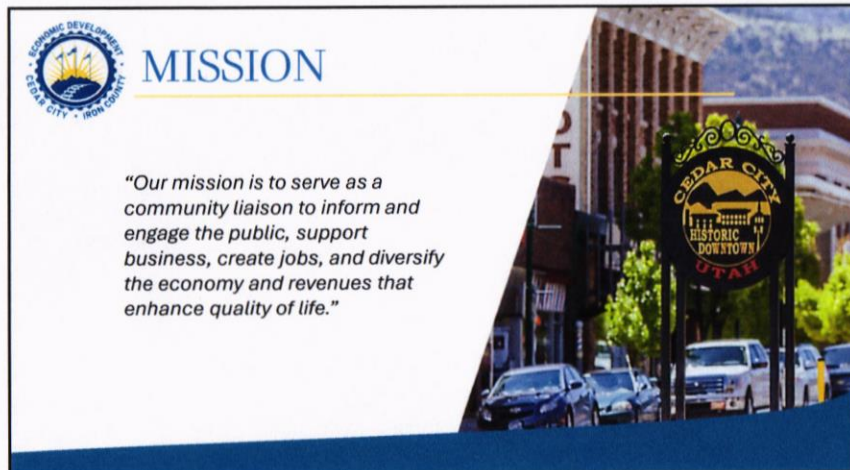
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Jacob Miner	Gauge Rosenberg
Bill Payne	Tyler Lowman
Tonya Payne	Chawley Adams
Jennifer Hunter	Jason Clarke
James Lee	Kami Merrill
AUSTEN FLYNN	Dallen Olcott
William Ribbs	Debra Mulcahy
Ann Clark	
Scotty Herwill American Legion	
David Fiddament	
Nathan Richter	
THOMAS LOVEHEART	



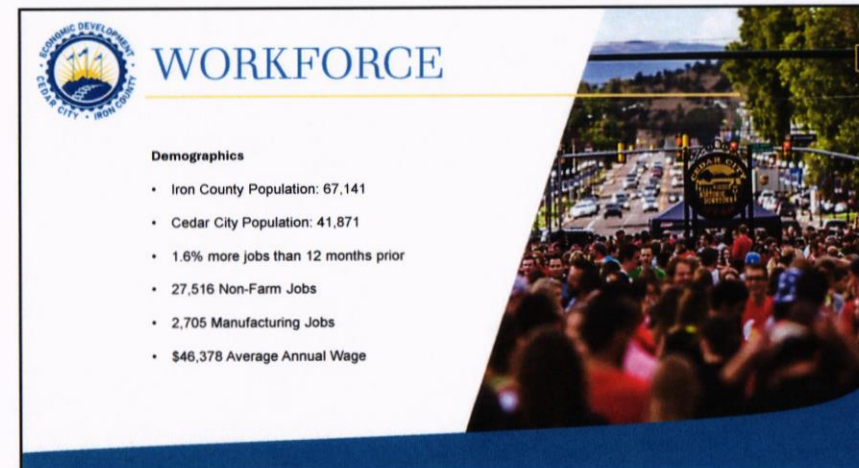
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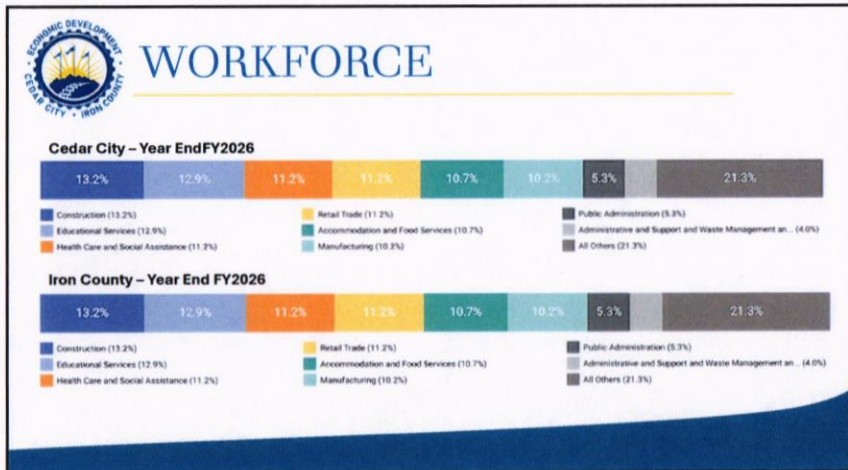
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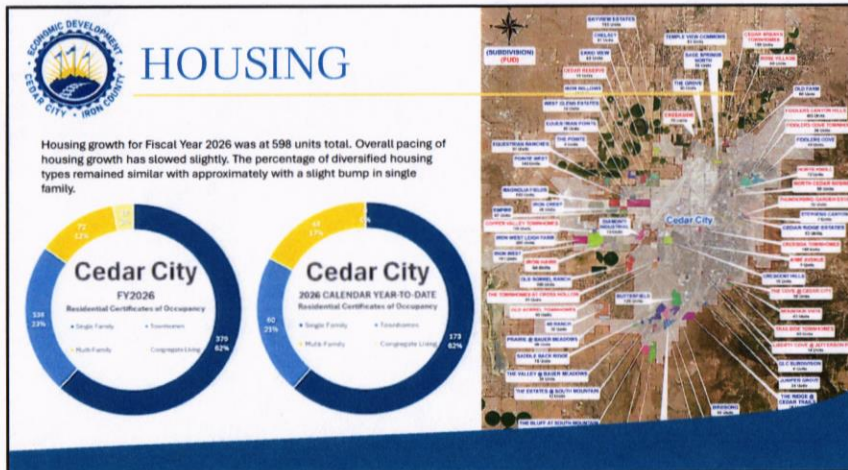
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COMMUNITY OUTREACH

Strategy for Continued Success

Create the Plan:

- Strategic Messaging Plan for 2026.
- Working with Departments to identify priorities and projects.

Make Managing Easier:

- New Website Host
- Redesign Banner Program with structured fees, schedule, and updated MOU's.

Post Positive:

- Create fresh, fun, educational, and positive content to add to general info, public meetings, and city events.

A photograph of a person walking a dog and a child at a community outreach event. The Cedar City logo is visible in the top left corner, and the text "COMMUNITY OUTREACH" is overlaid in the center.

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COMMUNITY OUTREACH

Success & Growth

Official Cedar City
Instagram:

- 4,797 followers
- 34.3% accounts reached
- Viewed by 277,612 followers, 142,988 non-followers
- 420.9K views, 12.8K interactions (+425.9K)

Facebook:

- 7.3K followers
- 1,797 new followers (+34.3%)
- Viewed by 74.5% followers, 25.3% non-followers
- 2,268,550 views, 26,068 interactions (+214.8K)

Cedar City Events
Instagram:

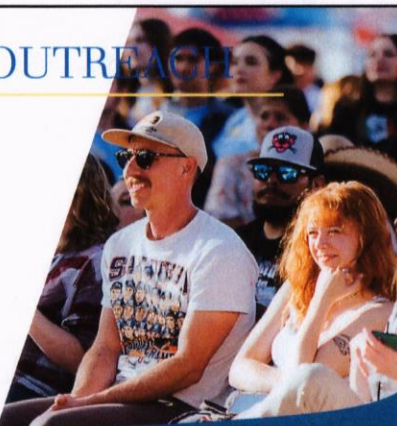
- 4,568 followers
- 39.3% accounts reached
- Viewed by 4,714 followers, 35,470 non-followers
- 266.8K views, 7.7K interactions (+127.7K)

Facebook:

- 19K followers
- 534 new followers (10.3%)
- Viewed by 59.7% followers, 40.3% non-followers
- 545,323 views, 6,254 interactions (+22.4K)

Cedar City Economic Development
Facebook:

- 2.8K followers
- 1480 new followers (+56.3%)
- Viewed by 83.9% followers, 16.1% non-followers
- 524,677 views, 5,839 interactions (+62.2K)



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EVENTS

Strategy for Continued Success

Event Team Growth:

- Understaffed for size of events
- Focus on Sponsorships and Fundraising
- Increase capacity of operations staff
- Growth and use of TRT

Increase in Department Capital:

- Own equipment rather than rent, such as a Box Truck.

More Structured City Department Collaboration:

- Strengthen and formalize the multi-department processes and communication



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EVENTS



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EVENTS

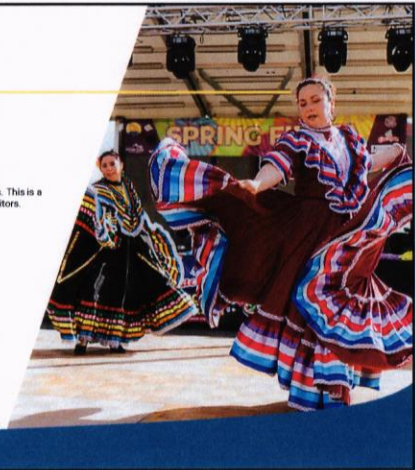
Success & Growth

The table below shows stats for Calendar Year 2025.

So far in 2026 we have held the Spring Fiesta, which gathered more than 3,800 visitors. This is a 19% increase from 2025, with 700 out-of-towners that constituted 18% of the total visitors.

Data from the several America 250 events are still being collected.

Event	2023 Total/Out of town	2024 Total/Out of town	2025 Total/Out of town	Total growth from 2023-2025 (%)
Spring Fiesta	2,100/127 (15%)	2,500/492 (20%)	3,200/700 (22%)	52%
Moonwalk 5K	282/31	300/90	500/182	90%
Half Marathon & 5K	735/465	825/481	1,104/684	49%
Downtown Lighting	7,000/2,200	9,600/3,000	12,800/4,200	83%
Total Attendees	10,101	13,229	17,604	74%



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BOARDS & COMMITTEES

Historic Downtown Economic Committee	
Carter Wilkey	City Council Rep
Ron Cordun	3rd Rep
Jennifer Wilson	Chamber Rep
Woody Lotte	Shakespeare Rep
Kaylee Pickering	Tourism Rep
Miryn Merrill	Business Rep
Jordan Reardon	Business Rep
Brooke Twitchell	Business Rep
David Whitmore	Business Rep
Tyler Romeril	Business Rep

Cedar City & Iron County Economic Development Committee	
Steve Nelson	Mayor
Waldo Gatan	City Council
Ben Johnson	School Board
Hike Black	County Commission
Spencer Jones	ICWCD
Joni Anderson	Business Resource Center

Iron County Economic Development Board	
Luke Little	County Rep
Heidi Hallerman	Municipality Rep
Annie Graft	Workforce Rep
Geoffrey Chestnut	Private Rep
James Hultman	Public Rep
Joni Anderson	Chair, General Member
Bret Howser	Vice Chair, General Member
Waldo Gatan	General Member
Jacob Miner	General Member

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ECONOMIC DEVELOPMENT

Strategy for Continued Success

- Focus on the Finish Line**
 - Work with announced projects to get them through permitting processes and move dirt to get doors open.
- Fill in Development**
 - Build on momentum of Smith's and Winco, by recruiting retail to the surrounding pads to support the anchors.
- Proactive Presence**
 - Identify industry gaps and then market to networks and regions.
- Market Analysis**
 - Create monthly, quarterly, and annual reports to track and promote local market trends and needs.

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INDUSTRIAL

Success & Growth

- Project Request For Information (RFI) Submissions
 - 16 New Project Submissions
- Project Announcements
 - 8 Projects
- Project Groundbreakings
 - 2 Projects
- Project Ribbon Cutting & Grand Openings
 - 7 Projects

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INDUSTRIAL

Existing Large Industrial Buildings

- Nantilus I building filled
 - Iron Depot
 - Totten Tubes
- Mueller Cooper Building purchased by PPI America
- GenPak East Building purchased by Utah Steel
- GenPak West
 - Held multiple job fairs
 - Walk through with parent company president
- Smead Building transaction in final stages

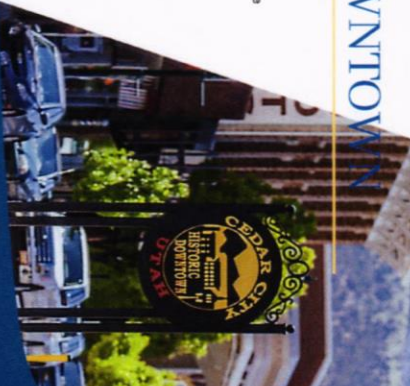


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HISTORIC DOWNTOWN

- Visited or spoke with every business
- Reactivated social media outreach efforts
- Business-led Hocus Focus event was largest to date
- New downtown initiatives
 - Tiny Tweaks
 - Thankful on Main
- Updated Ordinance recommendations
- Coordination with Main Street America and state historic preservation offices
- Community self-assessment & quarterly reinvestment statistics completed
- Grants and Donations
 - Building and Capacity grant, \$11,500
 - Recreational Atlas Program Grant (Phase 1), \$4,000
 - Hocus Focus Candy, \$3,000
 - Downtown Promotions, \$1,000



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RETAIL

Success & Growth

Major Retail Development

- 7 Major Retail Development Areas

Announcements & Groundbreakings

- 2 new projects

Ribbon Cuttings & Openings

- 30+ projects

Proactive Outreach

- 18 retailers



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SMALL BUSINESS GRANTS

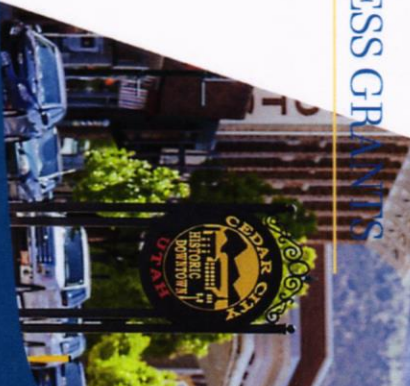
Rural County Grant

Small Business Grants:

- Frigbee Tech
- Aviation Education Academy
- The Hub Pizza
- Summit Landscape

Sign Facade & Tenant Improvements:

- Main Street Mercantile
- Summit Landscape
- The Beauty Project
- Gym on Main
- Gear Up Bikes
- Pro Realty
- Retro Fitness

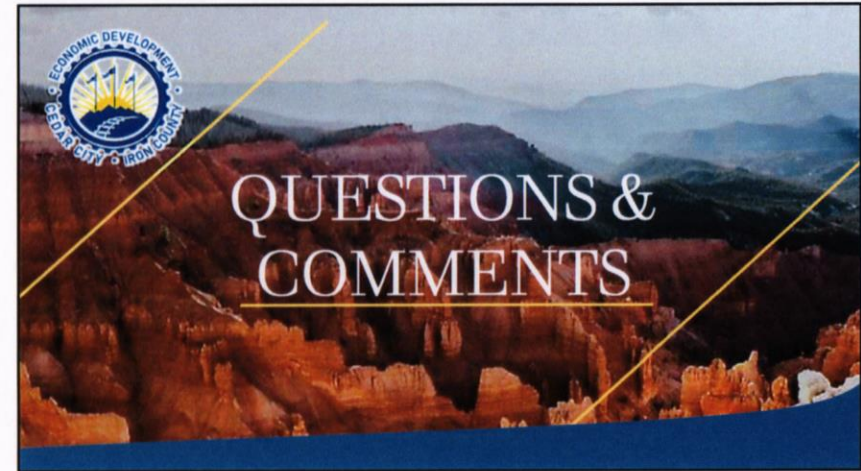


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Rural County Grant	Board Decision
Innovation Center	\$50,000
WIB - Exploring Possibilities Conference	\$2,000
Business Support Grants	\$85,000
Facade and Tenants Grant	\$20,000
Main Street Program Cedar City	\$5,000
Main Street Program Parowan	\$5,000
Placerai (Economic Development Software)	\$10,000
Podcast - Explore Local	\$2,500
Iron Leaders Academy Sponsorship - 2 attendees	\$8,000
Cedar City Chamber of Commerce	\$10,000
SUU Business Center/Chamber Boardroom	\$2,500
Total	\$200,000

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CEDAR CITY
2025
WATER REPORT

To The Honorable Mayor
Steve Nelson
and
The City Council of Cedar City, Utah

Transmitted herewith is the City Engineer's
Report on the water used by
Cedar City for the year
2025

2025 CEDAR CITY WATER REPORT

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2025 CEDAR CITY WATER REPORT

I. INTRODUCTION

The annual report of the water use and system information for Cedar City, Utah is herewith submitted to all concerned. The information included in this report is an accurate record of water usage and system information for the calendar year of 2025. Also included in this report are water usage and system information trends for previous years.

II. SYSTEM INFORMATION & TRENDS

The present water system serves a population of approximately 42,837 people, covering an area of 23,482 acres or 36.69 square miles. The water system (culinary water and pressurized irrigation) has a maximum supply capacity of 19,228,400 gallons per day (GPD) with 18,000,000 GPD to be supplied from wells and 1,228,400 GPD from springs. On years where surface water is available to the 200 North Pump Station, the pressurized irrigation system may be augmented with up to 2,592,000 GPD.

Of the total supply capacity, 13,324,400 GPD is for culinary water and 5,904,000 GPD is for pressurized irrigation water. No water that is delivered to a property in an irrigation ditch is included in this capacity. The water system's storage is composed of eleven (11) storage tanks with a capacity of 18,690,537 gallons for culinary water, the Lake at the Hills with a capacity of 32,246,000 gallons for irrigation water, and one pond at the golf course with a capacity of 2,914,100 gallons for irrigation water. The water system has a total of 279.4 miles of pipelines that includes 62.4 miles of transmission lines located out of the City limits, 208.2 miles of pipelines located inside the City limits, and 8.8 miles of irrigation lines.

2025 CEDAR CITY WATER REPORT

SYSTEM INFORMATION TRENDS

Year	Population ¹	Area Served (Sq. Mi.)	Peak Supply Capacity			Storage	
			Total (GPD)	Culinary (GPD)	Irrigation (GPD)	Culinary (Gal.)	Irrigation (Gal.)
2016	30,184	36.04	20,088,000	14,184,000	5,904,000	19,602,284	33,246,000
2017	31,223	36.01	20,088,000	14,184,000	5,904,000	19,602,284	33,246,000
2018	31,806	36.034	20,088,000	14,184,000	5,904,000	19,602,284	33,246,000
2019	33,055	36.048	21,960,000	16,056,000 ²	5,904,000	19,602,284	33,246,000
2020	35,078 ³	36.11	21,960,000	16,056,000	5,904,000	19,602,284	35,160,100 ⁴
2021	37,206 ⁵	36.27	19,228,400 ⁶	15,912,000	5,904,000	18,690,537 ⁷	35,160,100
2022	38,505 ⁸	36.34	19,228,400	15,912,000	5,904,000	18,690,537	35,160,100
2023	40,104 ⁹	36.42	19,228,400	15,912,000	5,904,000	18,690,537	35,160,100
2024	40,885 ⁹	36.49	19,228,400	15,912,000	5,904,000	18,690,537	35,160,100
2025	42,837 ⁸	36.69	19,228,400	15,912,000	5,904,000	18,690,537	35,160,100

PIPELINES

Year	Total Miles	Transmission Lines (miles)	Lines in City limits (miles)	Irrigation Lines (miles)
2016	238.9	61.7	168.4	8.8
2017	240.8	61.7	170.3	8.8
2018	242.2	61.7	171.7	8.8
2019	246.9	61.7	176.5	8.8
2020	249.7	61.7	179.2	8.8
2021	253.0	62.4	181.8	8.8
2022	261.6	62.4	190.1	8.8
2023	266.7	62.4	195.5	8.8
2024	275.0	62.4	203.8	8.8
2025	279.4	62.4	208.2	8.8

- 1 - Population prior to 2010 is based on estimates from the Utah Governor's Office of Planning and Budget (GOPB). Population for 2010 is based on the official count taken by the U.S. Census Bureau during the 2010 census. Population for 2011 and 2012 was estimated based on Census data for Iron County. Population starting in 2013 is based on the population for Cedar City listed in the Utah Sales Tax Distribution report for December of each year.
- 2 - The increase in culinary capacity for 2019 is due to Quichapa Well #1 being put back into service; also, the capacity for Enoch Well #1 was increased based on 2019 flow meter data.
- 3 - Population for 2020 has been corrected to reflect the U.S. Census Bureau statistics.
- 4 - The increase in irrigation storage in 2020 is due to the new pond at the Golf Course.
- 5 - Population for 2021 is as reported by the U.S. Census Bureau.
- 6 - Reflects lower amount being produced by springs.
- 7 - A previous reporting error for storage capacity was revealed while verifying Cedar City Water Storage Tanks. The Redman Tank was previously evaluated at 1,928,325 gal. storage capacity was found to provide 1,016,578-gals (911,747-gals reduction). The amount reported for 2021 reflects this correction.
- 8 - Population for 2022 and 2025 are estimated from Kem C. Gardner Policy Institute. The 2025 population is the average of Census Bureau (41,871) and Kem C. Gardner Utah Population Committee (43,803).
- 9 - Population for 2023 and 2024 are from the U.S. Census Bureau Annual Estimates of the Resident Population for Incorporated Places of 20,000 or More.

2025 CEDAR CITY WATER REPORT

III. WATER RIGHTS INFORMATION & TRENDS

At the end of 2025 the City owned 25,485.74 acre-feet (A.F.) of total water rights including 17,135.98 A.F. of underground water rights, 4,838.75 A.F. of spring water rights, and 3,511.01 A.F. of surface water rights. In 2025, the City acquired 73.22 A.F. of water rights including 65.59 A.F. of underground water rights, -0- A.F. of spring water rights, and 7.63 A.F. of surface water rights. Appendix B lists the water rights currently owned by Cedar City, as adjudicated by the State Engineer.

WATER RIGHTS TRENDS

Year	Ground Water (A.F.)	Surface Water (A.F.)	Springs (A.F.)	Total (A.F.)	40-year Outlook (A.F.) ¹	40-year Outlook Population
2016	13,682.60	1,424.37	4,847.76	19,954.73	19,586	74,386
2017	13,683.40	1,455.33	4,847.76	19,986.49	19,518	75,761
2018	13,750.87	1,490.11	4,847.76	20,088.74	20,650	77,136
2019	13,762.67	1,530.971	4,848.70	20,142.34	19,315	78,529
2020	14,010.87	1,521.590	4,848.70	20,381.16	22,421	79,887
2021	14,078.02	1,793.940	4,848.70	20,720.66	14,055	61,506 ²
2022	14,224.58	1,807.674	4,848.70	20,880.95	12,863	62,409
2023	16,162.20	3,480.60	4,838.75	24,481.55	12,836	63,312
2024	16,863.72	3,498.34	4,838.75	25,200.81	14,386	64,215
2025	17,135.98	3,511.01	4,838.75	25,485.74	15,809	77,122 ³

Summary of water rights as of July 20, 2026:

Total number of acre-feet in Cedar City's water rights portfolio = 25,551.33 acre-feet

1. Basin 73 Underground water rights Pre-1934 (prior to July 25, 1934) = 4,497.76 acre-feet
2. Basin 73 Underground water rights Post-1934 (July 25, 1934 or later) = 11,701.09 ac-ft
3. Basin 71 Beryl-Enterprise basin underground rights (safe yield) = 1,002.72 acre-feet
4. Springs water rights = 4,838.75 acre-feet
5. Surface water rights = 448.60 acre-feet
6. Irrigation shares = 3,062.41 acre-feet (1,632.76 shares in irrigation companies)

1- 40-year outlook population and water rights is based on population projection data and the current year's daily water use per person.

2- The 40-year outlook population was revised down based on population projections from the Kem C. Gardner Policy Institute.

3- The 40-year outlook population was calculated based on recent population projections from Kem C. Gardner.

2025 CEDAR CITY WATER REPORT

IV. WATER USAGE INFORMATION & TRENDS

In 2025 the City delivered a total of 8,795 A.F. of culinary water and pressurized irrigation water, including 7,962 A.F. of well water, 833 A.F. of spring water, and 0 A.F. of surface water. The City purchased 48.7 A.F. of water from the Central Iron County Water Conservancy District (C.I.C.W.C.D.) The City's culinary water system served 10,344 connections and delivered 7,986 A.F. of water, including 7,153 A.F. of well water and 833 A.F. of spring water.

The City's pressurized irrigation system delivered 809 A.F. of water. The pressurized irrigation system was supplemented with 0.0 acre-feet of culinary water that was delivered to the Lake at the Hills. The pressurized irrigation system was used for irrigating the Cedar Ridge Golf Course, Cedar High School, Canyon View schools, Bicentennial Park and Soccer Field, the Cemetery, and Southern Utah University.

The average daily culinary and irrigation use per person per day was 183 gallons. July was the peak culinary usage month with 1,211.0 A.F. of water. August 5, 2025, was the peak culinary usage day with 49.0 A.F. of water. March 21, 2025, was the minimum culinary usage day with 5.4 A.F. of water.

The City and the Central Iron County Water Conservancy District (CICWCD) recharge water from Coal Creek during the winter months into recharge ponds near the airport and at Quichapa. The amount of recharge in 2026 was 1,315 A.F. of water.

WATER USAGE TRENDS

Year	Population	Connections	Total Water Usage		Type of Water (AF)		Culinary used in Pressurized Irrigation (AF)	Water Source (AF)			Per Capita (GPD)
			Gallons	AF	Culin.	Irrig.		Ground water	Springs	Surface water	
2016	30,184	8,801	2,589,421,400	7,947	7,257	690	7.7	6,304	1,638	5	234
2017	31,223	8,985	2,619,740,610	8,040	7,345	695	3.9	6,532	1,508	0	230
2018	31,806	9,226	2,771,126,900	8,504	7,744	760	3.2	7,174	1,330	0	239
2019	33,055	9,404	2,649,903,800	8,132	7,455	677	4.1	6,418	1,714	0	220
2020	35,078	9,562	3,179,367,415	9,757	8,333	1,425	0.6	8,420	1,337	0	248
2021	37,206	9,214	2,718,567,600	8,343	7,621	722	1.5	7,350	993	0	200
2022	38,505	9,778	2,592,046,500	7,955	7,259	696	14.3	7,066	889	0	184
2023	40,104	9,986	2,650,146,183	8,133	7,416	717	22.1	7,044	1,089	0	181
2024	40,885	10,078	2,978,888,550	9,142	8,338	804	3.13	8,161	980	0	200
2025	42,837	10,344	2,865,797,810	8,795	7,986	809	0.0	7,962	833	0	183

2025 CEDAR CITY WATER REPORT

WATER USAGE TRENDS, Cont.

Year	Peak Day (Culinary)	Minimum Day (Culinary)	Average Day (Culinary)
Date	Gallons	Date	Gallons
2016	July 18	Dec 31	6,460,498
2017	July 7	Mar 25	6,557,433
2018	July 2	Nov 17	6,913,446
2019	July 18	Nov 17	6,655,319
2020	July 10	Mar 17	7,298,855
2021	July 4	Dec 14	6,803,976
2022	June 28	Jan 11	6,479,704
2023	July 5	Nov 24	6,602,299
2024	July 8	Feb 29	7,303,165
2025	August 5	Mar 21	7,008,324

COAL CREEK RECHARGE

Year	Recharge using excess water from Coal Creek (ac-ft)
2017	420 ±
2018	448
2019	9,058
2020	2,200
2021	423
2022	1,449
2023	5,921
2024	2,835
2025	1,315 ¹

¹ - Data for 2025 was obtained from the Central Iron County Water Conservancy District (www.cicwd.org/flow-map). Recharge breakdown is as follows for 2025: Schmidt pit = 376.5 AF; Horse Alley pit = 456.9 AF; Western Rock pit = 103.1 AF; Quichapa pit (north of SR-56) = 378.7 AF.

2025 CEDAR CITY WATER REPORT

V. PUMPING COSTS INFORMATION AND TRENDS

Total power costs for Cedar City's Water Wells in 2025 were **\$1,078,439**. The average cost to pump 1,000 gallons of water was **\$0.418**. The average cost per kilowatt-hour (kWh) was **\$0.092**. Enoch Well #3 was the most efficient source with an average pumping cost of \$0.26 per 1,000 gallons and Enoch Well #1 was the least efficient source with an average pumping cost of \$0.51 per 1,000 gallons. Quichapa Well #1 was the least cost source per kWh at \$0.08 per kWh and Enoch Well #1 was the highest cost source per kWh at \$0.16 per kWh. The revenue from metered water sales in 2025 was \$7,628,244.

PUMPING COST TRENDS

Year	Total Pumping Costs for Wells	Average Pumping Costs (per 1,000 gal.)	Average Cost per kWh	Lowest Cost Sources				Highest Cost Sources	
				Cost/ 1,000 Gal.	Cost/kWh	Cost/ 1,000 Gal.	Cost/kWh	Cost/kWh	Cost/kWh
2016	\$678,278	\$0.33	\$0.078	Cemetery	Q Well #5	Q Well #6	Northfield		
				\$0.21	\$0.07	\$0.49	\$0.09		
2017	\$668,058.50	\$0.31	\$0.075	Enoch #3	Q Well #8	Q Well #6	Northfield & Enoch #1		
				\$0.18	\$0.07	\$0.44	\$0.09		
2018	\$695,834	\$0.30	\$0.070	Enoch #3	Q Well #5	Q Well #6	Enoch #1		
				\$0.177	\$0.066	\$0.41	\$0.11		
2019	\$647,442	\$0.28	\$0.086	Enoch #3	Q Well #5	Q Well #6	Enoch #1		
				\$0.200	\$0.063	\$0.43	\$0.18		
2020	\$818,670	\$0.26	\$0.086	Enoch #3	Q Well #1	Q Well #6	200 N Pump		
				\$0.212	\$0.065	\$0.42	\$0.087		
2021	\$763,106	\$0.32	\$0.070	Cemetery	Q Well #1 & #7	Q Well #5	Q Well #3		
				\$0.22	\$0.063	\$0.50	\$0.083		
2022	\$778,782	\$0.34	\$0.068	Enoch #3	Q Well #8	Q Well #5	Northfield		
				\$0.12	\$0.068	\$0.47	\$0.096		
2023	\$771,398	\$0.355	\$0.076	Q Well #7	Q Well #5	Enoch #1	Northfield		
				\$0.14	\$0.06	\$0.56	\$0.12		
2024	\$967,630	\$0.365	\$0.080	Q Well #3	Q Well #1	Q Well #5	Enoch #1		
				\$0.26	\$0.08	\$0.51	\$0.16		
2025	\$1,078,439	\$0.418	\$0.092	Enoch #3	Q Well #1	Enoch #1	Enoch #1		

2025 CEDAR CITY WATER REPORT

METERED WATER REVENUE

Calendar Year	Metered Water Sales
2016	\$4,156,131
2017	\$4,223,869
2018	\$4,395,966
2019	\$4,343,018
2020	\$4,952,627
2021	\$4,561,585
2022	\$4,342,998
2023	\$5,619,163
2024	\$6,989,793
2025	\$7,628,244

VI. WATER QUALITY INFORMATION AND TRENDS

Water quality for the Cedar City Culinary Water System was well within the standards of the Utah Drinking Water Regulations for all water supplied to the system. The weighted average for Total Dissolved Solids (TDS) and Nitrates was **288.0** and **0.33 mg/L** respectively. Nitrate data will be collected every year for public information.

WATER QUALITY TRENDS

Year	Average TDS (mg/L)	Average Nitrates (mg/L)
2016	184.7	0.60
2017	No Data	0.46
2018	No Data	0.36
2019	208.0	0.40
2020	No Data	0.50
2021	No Data	0.48
2022	173.3	0.35
2023	--	--
2024	266.0	0.42
2025	288.0	0.33

2025 CEDAR CITY WATER REPORT

VII. UNACCOUNTED-FOR WATER INFORMATION AND TRENDS

During the past year, **7.9% of the culinary water produced by the City was unaccounted-for**. Unaccounted-for water includes the following un-metered water uses: leakage, firefighting, main flushing, misread meters, un-metered connections, inaccurate meters and City usage. Based on an evaluation of tank level readings, **7.1% of the culinary water produced was lost due to leakage**. The annual average amount of leakage from the Lake at the Hills in 2025 was 2,984 gal/hour.

UNACCOUNTED-FOR WATER TRENDS

Year	Culinary Water Unaccounted %	Culinary Water Leakage %	The Lake at the Hills Annual Average Leakage (gal/hour)
2016	12.4	5.0	1,833
2017	5.4	3.5	282
2018	5.3	4.4	0
2019	11.1	10.2	0
2020	9.4	4.7	0
2021	10.5	9.2	0
2022	8.5	3.6	0
2023	--	--	--
2024	9.1	6.4	0
2025	7.9	7.1	2,984
10-year average	8.8%	6.1%	510

2025 CEDAR CITY WATER REPORT

VIII. AQUIFER TRENDS

The following table and charts provide information concerning trends in the Cedar Valley aquifer, including snowpack, static water level in the aquifer, and City water use.

CEDAR VALLEY AQUIFER TRENDS

Year	Total City Water Use[1] (acre-feet)	Peak Snow Water Equivalent (SWE)* at Webster Flat[2]	Date	Water Level in aquifer in Quichapa area[3] (feet below land surface)	Water Level in aquifer in Enoch area[4] (feet below land surface)
2016	7,947	13.4	24-Feb	104.25	71.70
2017	8,040	21.7	9-Mar	107.65	74.67
2018	8,504	13.2	17-Mar	111.76	74.49
2019	8,132	26.7	23-Mar	114.63	79.17
2020	9,757	19.7	1-Apr	115.03	77.00
2021	8,343	10.3	29-Mar	119.25	81.65
2022	7,955	11.6	22-Mar	123.69	85.09
2023	8,133	35.5	8-Apr	123.94	87.90
2024	9,142	17.5	9-Apr	124.43	86.75
2025	8,793	9.1	7-Mar	127.90	89.6

[1]- This column lists the total City water use for the calendar year. This information tracks the effect of the City's usage on the aquifer levels.

[2]- This data may be obtained from:
<https://wcc.sc.egov.usda.gov/nwcc/site?sitenum=853>

[3]- This column lists the measured water level in a USGS monitoring well on the west side of Quichapa Lake that is located at approximately 3200 South 8100 West. The depth in the monitoring well is measured in March of each year by the USGS. The water level data is taken from USGS monitoring well 373742113100801 (C-36-12)35adc-1. https://nwis.waterdata.usgs.gov/nwis/gwlevels?site_no=373742113100801&agency_cd=USGS&format=html

*NOTE: First recorded depth of well listed is for the year 1977 - well depth was 75.16'

[4]- This column lists the measured water level in a USGS monitoring well in Enoch that is located at approximately 1000 East Midvalley Road. The depth in the monitoring well is measured by the USGS. The water level data is taken from USGS monitoring well 374554113020801 (C-35-11)12dcd-1. https://nwis.waterdata.usgs.gov/nwis/gwlevels?site_no=374554113020801&agency_cd=USGS&format=html

*NOTE: First recorded depth of well listed is for the year 1973 - well depth was 33.67'

2025 CEDAR CITY WATER REPORT

IX. WATER RATES

A. Fixed Charge.

There is a fixed charge each time a bill is rendered as follows:
 Monthly Fixed Charge. \$17.00

B. Quantity Charge for Culinary Water Use.

In addition to the fixed charge, there is a charge for all culinary water used for each 1,000 gallons as follows:

Single-family Residential (Monthly per Account)

Block 1	First 8,000 gallons or any part thereof	\$1.00
Block 2	8,001 to 20,000 gallons or any part thereof	\$2.52
Block 3	20,001 to 35,000 gallons or any part thereof	\$5.06
Block 4	Over 35,000 gallons	\$5.56

Multi-family Residential (Monthly Per Occupied Dwelling Unit)

Block 1	First 5,000 gallons or any part thereof	\$1.00
Block 2	5,001 to 10,000 gallons or any part thereof	\$2.52
Block 3	10,001 to 15,000 gallons	\$5.06
Block 4	Over 15,000 gallons	\$5.56

Non-residential (Monthly Per Account)

• First 20,000 gallons	\$1.00
• 20,001 to 50,000 gallons	\$3.05
• Over 50,000 gallons	\$4.56

C. Conservation Rates.

Monthly Fixed/Base Charge: \$17.00

Residential Conservation Rate

• First 8,000 gallons (per occupied dwelling unit)	\$1.00
• 8,001 to 12,000 gallons (per occupied dwelling unit)	\$2.93
• 12,001 to 20,000 gallons (per occupied dwelling unit)	\$6.08
• Over 20,000 gallons (per occupied dwelling unit)	\$6.58

Commercial, Industrial, and Multifamily Conservation Rate

• First 2,000 gallons (per usage unit)	\$1.00
• 2,001 to 3,000 gallons (per usage unit)	\$1.50
• 3,001 to 4,000 gallons (per usage unit)	\$12.73
• Over 4,000 gallons (per usage unit)	\$13.23

2025 CEDAR CITY WATER REPORT

D. Quantity Charge for Pressurized Irrigation Water Use.

In addition to the fixed charge, there is a monthly charge for all pressurized irrigation water used for each 1,000 gallons as follows:

All Usage	\$0.68
Excess Irrigation Usage*	\$1.36

*Applies to All Large Irrigation Users as defined.

2025 CEDAR CITY WATER REPORT

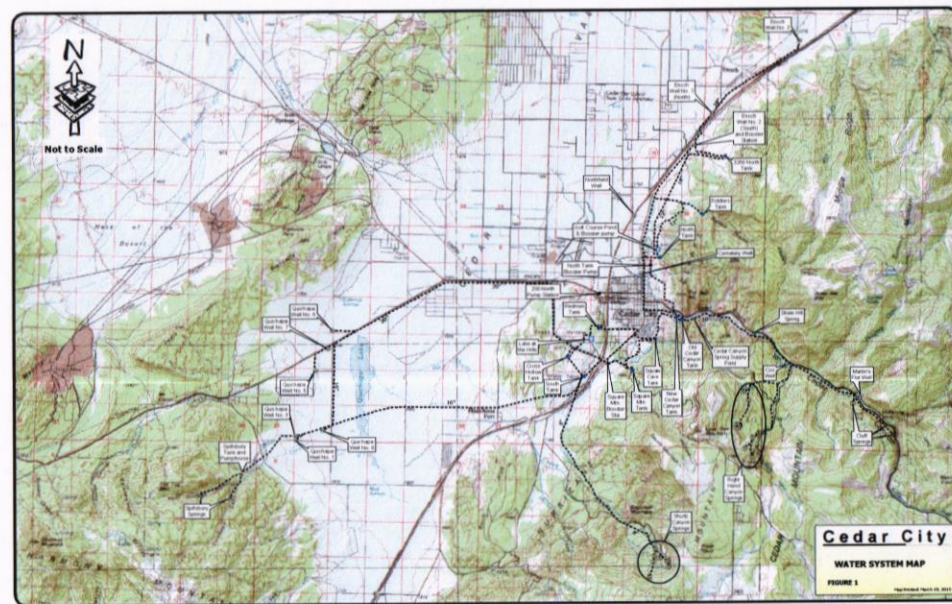
X. OTHER

Design and Construction for many of the necessary upgrades and maintenance of Cedar City's Water System were considered, scheduled, designed and constructed. Among projects that were started or completed in 2025 are:

- BLM North Production well
- Test Wells Project – several test wells
- Water Rights Assessment
- Master Plan Study for Cedar Canyon
- Chlorination system at Cross Hollows Tank
- Waterline improvements on Industrial Road
- Water meters changed out to Neptune meters

2025 CEDAR CITY WATER REPORT

XI. SYSTEM MAP



APPENDIX A

SYSTEM INFORMATION

CULINARY SUPPLY DATA

WELL	DEPTH (FT)	CASING DIAMETER (INCHES)	DDW SOURCE CAPACITY ¹ (GPM)	MAXIMUM CAPACITY FOR CONSUMPTION ² (GPM)
Enoch Well #1	875	16	1300	1000
Enoch Well #3	1030	16	1461	1750
Quichapa Well #1	900	16	1100	1100
Quichapa Well #3	697	16	1300	1100
Quichapa Well #5	1006	16	1267	1300
Quichapa Well #6	604	16	1333	1200
Quichapa Well #7	1020	16	1500	1300
Quichapa Well #8	960	16	1391	1450
Shurtz Cnyn. Springs	N/A	N/A	181	350
Cedar Cnyn. Springs	N/A	N/A	441	400
Spilsbury Springs	N/A	N/A	101	200
Total =			11,375	11,150

PRESSURIZED IRRIGATION SUPPLY DATA

WELL OR PUMP STATION	DEPTH (FT)	CASING DIAMETER (INCHES)	FLOW CAPACITY (GPM)	MAXIMUM CAPACITY FOR CONSUMPTION (GPM)
Cemetery Well	670	14	1400	1400
Northfield Well	865	12	900	900
200 North Pump Station	N/A	N/A	1800	1800
Total =				4,100

Total Supply = 15,250 gpm

¹ This column is the allowable source capacity per the Division of Drinking Water (DDW) minimum sizing requirements. Refer to data submitted by Jonathan Stathis to Chris Martin of DDW by email on January 23, 2020.

² This column is the typical maximum capacity available at each source during peak summer months. Quichapa Well #1 was put back in service in 2019. The capacity for Enoch Well #1 was changed in 2019 from 800 to 1,000 gpm based on flow meter data.

CULINARY WATER TANK DATA

Tank	Volume (gal.)	Base Elevation (ft)	Height (ft)	Overflow Elevation (ft)	Diameter (ft)	Radius (ft)	Circumference (ft)
North Tank	2,086,858	5,975.78	32	6,007.78	105.36	52.68	331
Canyon Tank (Old)	1,522,468	5,993.70	30	6,021.70	92.95	46.48	292
Canyon Tank (New)	2,033,472	5,977.80	32	6006.8	104	52	327
Squaw Cave Tank	945,189	6,059.00	35	6,092.00	67.8	33.9	213
Square Mt. Tank	2,159,787	6,262.31	28	6,288.31	114.59	57.3	360
Fiddlers Tank	2,159,787	6,159.78	28	6,185.78	114.59	57.3	360
Cross Hollow Tank	2,159,787	6,154.15	28	6,180.15	114.59	57.3	360
South Steel Tank	2,039,439	6,063.92	36	6,097.92	98.19	49.1	308
Redmen Tank	1,016,578	6,059.00	38	6,095.00	67.93	33.96	213
Spilsbury Tank	105,934	5,792.00	24	5,815.00	28	14	88
3200 North Tank	2,461,238	5,993.00	39.5	6,031.00	105	52.5	330
Total	18,690,537						

IRRIGATION RESERVOIR DATA

Reservoir	Storage Volume (gal.)	Base Elevation (ft)	Overflow Elevation (ft)
The Lake at the Hills	32,246,000	5994	6010
Golf Course Pond	2,914,100	5856	5871
Total =	35,160,100		

Total Storage = 53,850,637 gallons

WATER CONNECTIONS FOR CEDAR CITY

Year	Total Connections	% Change
2016	8,801	1.59
2017	8,985	2.09
2018	9,226	2.68
2019	9,404	1.93
2020	9,562	1.68
2021	9,214*	
2022	9,778	6.12
2023	9,986	2.13
2024	10,078	0.92
2025	10,344	2.64

* - reflects a change in system reporting procedures. A reduction in connections did not occur, rather inactive and replaced connections were removed from the report.

2025 CULINARY WATER AVERAGE DEMAND (2025 Population = 42,837)

Month	Culinary Water (per person/month)	
	AF	Gallons
January	0.008	2,659
February	0.008	2,645
March	0.009	2,924
April	0.013	4,272
May	0.017	5,532
June	0.024	7,838
July	0.028	9,214
August	0.028	8,979
September	0.021	6,764
October	0.014	4,426
November	0.009	2,850
December	0.008	2,757
Average	0.016	5,072

CULINARY WATER SYSTEM RATES

2nd half of 2024 & 1st half of 2025

Single-Family Residence	
1-month base rate	\$17.00
0-8,000 gal	\$1.00/1,000 gal
8-20,000 gal	\$2.18/1,000 gal
20-35,000 gal	\$4.21/1,000 gal
> 35,000 gal	\$4.71/1,000 gal

after July 1, 2025

Single-Family Residence	
1-month base rate	\$17.00
0-8,000 gal	\$1.00/1,000 gal
8-20,000 gal	\$2.52/1,000 gal
20-35,000 gal	\$5.06/1,000 gal
> 35,000 gal	\$5.56/1,000 gal

PIPE SUMMARY

Cedar City Area - Approximately 23,481.6 acres or 36.69 square miles.

WATER MAINS IN CEDAR CITY LIMITS (Measured in Feet)

SIZE	2020	2021	2022	2023	2024	2025
2"	13,306	13,306	13,306	13,306	12,740	12,740
3"	6,164	6,164	6,164	6,164	6,164	6,164
4"	82,709	82,709	82,775	82,775	81,373	81,373
6"	244,709	245,050	246,863	248,048	248,231	249,636
8"	332,531	333,055	366,314	384,823	414,931	432,992
10"	82,498	85,949	87,857	88,651	88,676	88,676
12"	83,172	86,632	88,726	96,743	105,408	107,588
14"	13,834	18,999	20,648	20,648	20,648	20,648
16"	38,520	38,520	40,137	40,137	46,829	48,554
18"	27,142	27,142	27,490	27,490	27,490	27,490
20"	21,380	22,266	23,519	23,519	23,519	23,519

Totals (ft)	945,965	959,792	1,003,799	1,032,304	1,076,009	1,099,380
Totals (mi)	179.2	181.8	190.1	195.5	203.8	208.2

WATER MAINS OUT OF OUR CITY LIMITS (Measured in Miles)

<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
61.70	62.40	62.40	62.40	62.40	62.40

APPENDIX B

WATER RIGHTS

WATER RIGHTS ACQUIRED IN 2025

Water Right No. or Irrigation Company	Source	Diversion Amount (ac-ft)	Date of Recording Water Right Deed	Date of Report of Conveyance or Certificate Date
73-4533	The Valley at South Mountain Subdivision Phase 3 (from Nathan Janes)	9.99	7/15/2025	10/14/2025
73-4698	Parkview Apartments building permit (from Liberty Cove, LLC)	1.6951	4/15/2025	5/7/2025
73-2560	Development Team LLC water rights credit account (from Brent & Dayna Hunter)	16.758	1/22/2025	2/12/2025
73-3641	Development Team LLC water rights credit account (from Brent & Dayna Hunter)	30.865	1/22/2025	2/12/2025
73-4667	Ekko View Estates Subdivision Phase 2 (from Ceagle, LLC)	6.28	4/15/2025	5/6/2025
Underground Water Rights subtotal =		65.5881		
South & West Field Irrigation Company	Acquired from Development Team, LLC: 0.25 shares for Serenity Heights PUD and 0.7876 shares for Serenity Cove Subdivision 1.0376 shares (Certificate #2787)	3.4118	N/A	9/8/2025
Coal Creek Irrigation Company (Class B shares)	Purchased from Lee Joshua Grimm and Amanda Leigh Grimm 42.1787 shares (Certificate #1079)	4.21787	N/A	3/9/2025
Surface Water Rights subtotal =		7.62967		
Total Water Rights Acquired in 2025 =		73.21777		

APPENDIX C

WATER USAGE

DATE	January	February	March	April	May	June	July	August	September	October	November	December
1					1104166		691885	787285				
2					1047998		841407	727744				
3					1047998		788118	817281				
4					1007921		788118	817281				
5					1007921		788118	817281				
6					892196		788118	817281				
7					1007921		788118	817281				
8					1007921		788118	817281				
9					1007921		788118	817281				
10					1007921		788118	817281				
11					1007921		788118	817281				
12					1007921		788118	817281				
13					1007921		788118	817281				
14					1007921		788118	817281				
15					1007921		788118	817281				
16					1007921		788118	817281				
17					1007921		788118	817281				
18					1007921		788118	817281				
19					1007921		788118	817281				
20					1007921		788118	817281				
21					1007921		788118	817281				
22					1007921		788118	817281				
23					1007921		788118	817281				
24					1007921		788118	817281				
25					1007921		788118	817281				
26					1007921		788118	817281				
27					1007921		788118	817281				
28					1007921		788118	817281				
29					1007921		788118	817281				
30					1007921		788118	817281				
31					1007921		788118	817281				
TOTALS	-	-	-	16,466,400	36,403,335	16,466,400	18,817,644	13,148,448	-	-	-	-

DATE	January	February	March	April	May	June	July	August	September	October	November	December
1						4480032	200724	2008114	642508			
2						2621507	200724	2008114	642508			
3						2621507	200724	2008114	642508			
4						2621507	200724	2008114	642508			
5						2621507	200724	2008114	642508			
6						2621507	200724	2008114	642508			
7						2621507	200724	2008114	642508			
8						2621507	200724	2008114	642508			
9						2621507	200724	2008114	642508			
10						2621507	200724	2008114	642508			
11						2621507	200724	2008114	642508			
12						2621507	200724	2008114	642508			
13						2621507	200724	2008114	642508			
14						2621507	200724	2008114	642508			
15						2621507	200724	2008114	642508			
16						2621507	200724	2008114	642508			
17						2621507	200724	2008114	642508			
18						2621507	200724	2008114	642508			
19						2621507	200724	2008114	642508			
20						2621507	200724	2008114	642508			
21						2621507	200724	2008114	642508			
22						2621507	200724	2008114	642508			
23						2621507	200724	2008114	642508			
24						2621507	200724	2008114	642508			
25						2621507	200724	2008114	642508			
26						2621507	200724	2008114	642508			
27						2621507	200724	2008114	642508			
28						2621507	200724	2008114	642508			
29						2621507	200724	2008114	642508			
30						2621507	200724	2008114	642508			
31						2621507	200724	2008114	642508			
TOTALS	0	0	0	0	13,471,411	73,073,548	73,073,548	73,073,548	73,073,548	73,073,548	73,073,548	73,073,548

WELL: ENOCH WELL #1 YEAR: 2025 TOTAL IN: 68,820,376 GALONS

WELL: ENOCH WELL #3 YEAR: 2025 TOTAL IN: 294,995,307 GALONS

DATE	January	February	March	April	May	June	July	August	September	October	November	December
1					60151	133282	1296108	1092740	396511	481481		
2					133282	133282	133282	133282	133282	133282	133282	133282
3					133282	133282	133282	133282	133282	133282	133282	133282
4					133282	133282	133282	133282	133282	133282	133282	133282
5					133282	133282	133282	133282	133282	133282	133282	133282
6					133282	133282	133282	133282	133282	133282	133282	133282
7					133282	133282	133282	133282	133282	133282	133282	133282
8					133282	133282	133282	133282	133282	133282	133282	133282
9					133282	133282	133282	133282	133282	133282	133282	133282
10					133282	133282	133282	133282	133282	133282	133282	133282
11					133282	133282	133282	133282	133282	133282	133282	133282
12					133282	133282	133282	133282	133282	133282	133282	133282
13					133282	133282	133282	133282	133282	133282	133282	133282
14					133282	133282	133282	133282	133282	133282	133282	133282
15					133282	133282	133282	133282	133282	133282	133282	133282
16					133282	133282	133282	133282	133282	133282	133282	133282
17					133282	133282	133282	133282	133282	133282	133282	133282
18					133282	133282	133282	133282	133282	133282	133282	133282
19					133282	133282	133282	133282	133282	133282	133282	133282
20					133282	133282	133282	133282	133282	133282	133282	133282
21					133282	133282	133282	133282	133282	133282	133282	133282
22					133282	133282	133282	133282	133282	133282	133282	133282
23					133282	133282	133282	133282	133282	133282	133282	133282
24					133282	133282	133282	133282	133282	133282	133282	133282
25					133282	133282	133282	133282	133282	133282	133282	133282
26					133282	133282	133282	133282	133282	133282	133282	133282
27					133282	133282	133282	133282	133282	133282	133282	133282
28					133282	133282	133282	133282	133282	133282	133282	133282
29					133282	133282	133282	133282	133282	133282	133282	133282
30					133282	133282	133282	133282	133282	133282	133282	133282
31					133282	133282	133282	133282	133282	133282	133282	133282
TOTALS	0	0	-	4,798,923	34,059,874	36,548,317	31,075,348	28,609,517	16,597,821	5,516,343	-	-

DATE	January	February	March	April	May	June	July	August	September	October	November	December
1												
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TOTALS	0	0	0	0	0	0	267,860,000	373,400,000	161,830,000	0	0	0

WELL: QUICHAPA WELL #1
 YEAR: 2025
 TOTAL IN: 34,059,874
 GALLONS: 80,303,000

WELL: QUICHAPA WELL #3
 YEAR: 2025
 TOTAL IN: 267,860,000
 GALLONS: 80,303,000

DATE	January	February	March	April	May	June	July	August	September	October	November	December
1	115668	142675	123184	146161	76161	165584	127560	120078	69392	112011	80878	125854
2	139174	137010	112016	177151	69626	183286	128811	111358	69392	112011	82311	142584
3	122114	138471	181237	114743	117620	188211	118460	124652	134781	117266	60780	142584
4	122114	138471	181237	114743	117620	188211	118460	124652	134781	117266	60780	142584
5	104139	121271	145631	26810	117503	581448	138349	128100	77470	1239624	103814	143503
6	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
7	107211	176411	120182	985241	118593	213102	298748	146811	150052	146811	110553	138887
8	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
9	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
10	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
11	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
12	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
13	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
14	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
15	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
16	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
17	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
18	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
19	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
20	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
21	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
22	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
23	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
24	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
25	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
26	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
27	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
28	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
29	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
30	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
31	109020	148701	145284	98496	607428	251403	146811	146811	357844	1467278	105533	138887
TOTAL	36,096,033	42,171,398	43,634,447	40,799,385	41,934,977	38,659,991	45,081,995	39,248,077	36,879,817	35,099,396	40,035,888	44,195,455

DATE	January	February	March	April	May	June	July	August	September	October	November	December
1	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
2	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
3	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
4	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
5	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
6	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
7	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
8	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
9	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
10	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
11	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
12	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
13	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
14	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
15	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
16	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
17	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
18	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
19	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
20	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
21	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
22	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
23	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
24	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
25	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
26	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
27	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
28	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
29	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
30	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
31	7000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000	307000
TOTAL	216,000	58,919,500	58,919,500	58,919,500	58,919,500	58,919,500	58,919,500	58,919,500	58,919,500	58,919,500	58,919,500	58,919,500

WELL: QUICHAHA WELL #8 YEAR: 2025 TOTAL IN: 403,294,000 GALLONS

DATE	January	February	March	April	May	June	July	August	September	October	November	December
1						2,094,782	1,603,987	423,711	1,942,011			
2						1,595,438	1,408,900	1,647,290	1,804,638			
3						33,634	1,603,987	2,099,442	1,804,638			
4						1,612,483	1,601,343	1,257,341	626,600	1,805,040		
5						1,897,908	1,652,275	2,067,811	276,003	1,875,031		
6						2,094,091	1,652,254	1,699,011	625,874	1,875,390		
7						1,603,987	1,603,987	1,603,987	1,603,987	1,603,987		
8						2,339,370	1,600,611	1,600,307	1,600,611	1,600,611		
9						1,600,640	1,600,608	1,600,306	1,600,611	1,600,611		
10						2,099,764	1,600,381	1,600,652	1,600,611	1,600,611		
11						2,092,653	1,601,497	2,094,085	1,600,611	1,600,611		
12						2,092,653	1,600,611	1,600,611	1,600,611	1,600,611		
13						2,092,653	1,600,611	1,600,611	1,600,611	1,600,611		
14						1,600,640	1,600,611	1,600,611	1,600,611	1,600,611		
15						2,041,680	1,600,611	1,600,611	1,600,611	1,600,611		
16						2,041,680	1,600,611	1,600,611	1,600,611	1,600,611		
17						2,041,680	1,600,611	1,600,611	1,600,611	1,600,611		
18						2,041,680	1,600,611	1,600,611	1,600,611	1,600,611		
19						2,041,680	1,600,611	1,600,611	1,600,611	1,600,611		
20						2,041,680	1,600,611	1,600,611	1,600,611	1,600,611		
21						2,041,680	1,600,611	1,600,611	1,600,611	1,600,611		
22						2,041,680	1,600,611	1,600,611	1,600,611	1,600,611		
23						2,041,680	1,600,611	1,600,611	1,600,611	1,600,611		
24						2,041,680	1,600,611	1,600,611	1,600,611	1,600,611		
25						2,041,680	1,600,611	1,600,611	1,600,611	1,600,611		
26						2,041,680	1,600,611	1,600,611	1,600,611	1,600,611		
27						2,041,680	1,600,611	1,600,611	1,600,611	1,600,611		
28						2,041,680	1,600,611	1,600,611	1,600,611	1,600,611		
29						2,041,680	1,600,611	1,600,611	1,600,611	1,600,611		
30						2,041,680	1,600,611	1,600,611	1,600,611	1,600,611		
TOTALS	0	0	0	0	0	16,671,982	13,539,512	62,240,554	42,404,322	76,464,153	0	0

WELL: QUICHAPA WELL #7

YEAR: 2025

TOTAL IN: 222,523.935

GALLONS: 222,523.935

DATE	January	February	March	April	May	June	July	August	September	October	November	December
1	17,098.23	13,665.67	16,472.90	18,323.70	14,600.71	20,000.19	18,065.48	18,423.01	18,037.42	17,740.82	13,807.47	9,850.00
2	4,898.69	75,703.27	1,403,905.3	2,060,469	16,023.73	2,211,468	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
3	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
4	1,481.52	1,724,435	1,901,480	1,808.24	1,772,117	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
5	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
6	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
7	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
8	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
9	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
10	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
11	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
12	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
13	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
14	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
15	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
16	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
17	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
18	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
19	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
20	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
21	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
22	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
23	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
24	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
25	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
26	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
27	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
28	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
29	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
30	1,603.20	1,114,485	2,385,598	1,717,174	1,627,736	2,070,068	1,773,377	1,801,810	1,802,804	1,790,981	1,380,239	1,280,088
TOTALS	48,419.78	48,419.78	64,193.43	33,473.24	33,473.24	48,419.78	48,419.78	48,419.78	48,419.78	48,419.78	42,644.153	53,779.34

WELL: QUICHAPA WELL #8

YEAR: 2025

TOTAL IN: 564,198.313

GALLONS: 564,198.313

DATE	January	February	March	April	May	June	July	August	September	October	November	December
1	577000	394000	394000	477000	523000	178000	552000	448000	325000	245000	282000	268000
2	628000	403000	290000	467000	532000	198000	552000	424000	418000	241000	248000	225000
3	592000	443000	617000	465000	541000	177000	551000	466000	407000	222000	267000	243000
4	559000	413000	328000	430000	511000	177000	550000	525000	412000	228000	219000	246000
5	601000	410000	409000	463000	498000	179000	533000	461000	429000	237000	250000	249000
6	618000	406000	403000	451000	516000	160000	528000	453000	469000	275000	243000	208000
7	586000	442000	385000	487000	525000	173000	517000	455000	387000	245000	257000	244000
8	588000	391000	402000	457000	517000	190000	528000	422000	391000	243000	251000	260000
9	602000	410000	405000	464000	501000	174000	533000	456000	416000	239000	231000	236000
10	622000	403000	403000	484000	534000	244000	502000	437000	192000	211000	243000	244000
11	541000	407000	404000	567000	531000	309000	520000	489000	76000	258000	276000	253000
12	647000	416000	404000	643000	552000	318000	476000	443000	171000	244000	211000	236000
13	587000	408000	407000	735000	154000	342000	524000	443000	215000	267000	244000	248000
14	593000	425000	431000	464000	149000	364000	523000	444000	224000	248000	237000	228000
15	612000	453000	398000	457000	149000	333000	503000	428000	195000	255000	245000	253000
16	569000	413000	357000	498000	149000	354000	497000	437000	236000	244000	245000	230000
17	624000	350000	438000	553000	145000	369000	490000	490000	412000	234000	247000	254000
18	611000	419000	401000	478000	149000	369000	490000	440000	240000	252000	248000	235000
19	643000	406000	393000	322000	158000	574000	484000	433000	242000	231000	247000	242000
20	576000	418000	399000	312000	148000	566000	477000	415000	222000	257000	246000	214000
21	635000	428000	415000	322000	179000	0	478000	438000	244000	249000	248000	243000
22	625000	373000	376000	188000	188000	874000	503000	452000	244000	245000	234000	259000
23	617000	485000	420000	493000	181000	586000	496000	453000	240000	271000	247000	241000
24	640000	340000	387000	510000	179000	567000	513000	411000	238000	245000	260000	248000
25	339000	411000	418000	580000	184000	607000	498000	359000	238000	255000	235000	285000
26	422000	420000	401000	602000	173000	563000	475000	430000	230000	261000	260000	222000
27	482000	393000	423000	676000	181000	586000	502000	412000	253000	209000	213000	262000
28	423000	396000	465000	580000	176000	629000	450000	428000	258000	245000	255000	265000
29	410000		433000	530000	180000	473000	475000	570000	225000	254000	250000	203000
30	423000		473000	517000	165000	565000	464000	279000	242000	240000	245000	241000
31	411000		547000		167000		470000	455000		223000		244000
TOTAL IN GALLONS:	17406000	11476000	12826000	14964000	8433000	11195000	16662000	13816000	8314000	7686000	7386000	7647000

WELL: CEDAR CANYON SPRINGS

YEAR: 2025

TOTAL IN GALLONS: 137,390,000

DATE	January	February	March	April	May	June	July	August	September	October	November	December
1		-	173,143	223,499	226,853	-	183,209	117,738	151,336	164,270	200,313	201,885
2		174,703	143,231	146,877	156,557	250,672	156,347	117,222	107,714	102,628	99,991	100,503
3		208,032	225,289	210,864	150,725	0	116,455	148,497	215,220	203,078	343,952	201,058
4		167,004	240,196	162,953	235,084	240,087	119,033	203,433	108,234	103,645	156,905	100,402
5		165,777	-	150,442	178,075	0	228,560	114,353	107,828	118,907	137,332	201,497
6		210,385	-	229,683	201,837	125,933	119,300	145,842	186,150	3636	100,836	
7		128,118	-	174,855	126,807	248,119	166,014	177,878	323,542	169,275	316,378	201,734
8		247,740	-	191,575	255,565	120,885	178,992	166,240	171,255	135,282	146,328	201,787
9		125,485	-	165,987	128,646	382,179	114,700	131,114	157,243	118,677	171,979	100,876
10		294,846	-	204,522	191,106	43,581	187,471	116,230	102,936	142,638	131,853	201,814
11		82,732	71,992	208,520	192,809	17	165,334	223,568	192,996	142,871	178,828	101,025
12		196,747	-	161,805	212,991	237,763	116,783	125,023	150,824	180,479	132,186	202,589
13		0	-	152,919	177,911	129,964	127,717	116,193	103,626	119,282	133,339	127,179
14		0	254,332	216,796	171,868	184,017	222,658	190,183	211,589	199,731	188,494	177,729
15		0	125,009	172,592	219,690	176,056	119,329	154,068	113,324	99,785	154,451	141,915
16		0	189,503	198,809	130,121	0	164,887	114,688	121,523	137,572	145,578	164,640
17		0	183,669	171,188	209,573	120,771	192,419	177,799	199,440	140,147	202,933	181,940
18		0	246,900	300,014	180,320	225,894	119,734	218,667	99,795	160,949	196,183	124,293
19		0	123,568	252,595	197,259	133,796	115,291	115,652	152,416	100,341	108,832	204,432
20		0	246,665	185,657	191,749	114,545	177,383	147,180	200,732	101,203	101,915	
21		181,633	124,253	166,722	177,390	242,385	177,789	187,047	98,965	134,780	191,734	193,659
22		14,205	195,278	204,327	205,712	117,452	118,906	126,002	205,281	163,964	111,230	113,382
23		252,632	176,240	179,568	127,935	201,575	122,414	116,862	141,595	99,982	201,768	204,850
24		123,651	248,030	-	223,389	148,601	212,108	207,532	164,383	200,174	140,159	123,383
25		247,274	123,670	183,748	158,187	125,813	142,516	138,813	101,832	100,110	162,277	188,312
26		123,434	215,662	155,564	171,233	226,110	116,746	88,567	203,078	209,010	114,295	282,945
27		247,114	156,513	226,239	209,309	117,202	194,715	147,430	99,374	100,043	188,530	238,100
28		124,002	170,596	135,564	154,330	180,921	155,745	106,406	148,252	149,930	206,321	
29		-	201,017	245,741	222,846	166,749	115,200	174,452	154,611	154,582	143,273	
30		-	127,750	126,804	125,208	119,231	167,650	151,094	149,867			
31		-	243,693	166,822			183,761	173,210				
TOTALS	-	3,377,594	4,208,139	5,531,379	5,677,307	4,374,908	4,808,636	4,588,983	4,407,904	3,923,412	4,641,999	4,833,264

WELL: QUICHAPA/PILSBURY SPRINGS

YEAR: 2025

TOTAL IN GALLONS: 50,373,525

DATE	January	February	March	April	May	June	July	August	September	October	November	December
1	230000	231000	215000	230000	301000	0	76000	245000	200000	237000	239000	270000
2	284000	235000	171000	235000	280000	0	284000	235000	280000	220000	230000	186000
3	247000	285000	358000	235000	331000	0	305000	258000	237000	286000	270000	221000
4	228000	238000	159000	215000	371000	365000	371000	308000	264000	227000	241000	222000
5	275000	241000	233000	224000	383000	34000	303000	248000	240000	281000	236000	184000
6	275000	280000	218000	244000	389000	0	311000	253000	242000	232000	241000	217000
7	227000	231000	240000	223000	417000	0	302000	234000	238000	224000	242000	253000
8	288000	241000	237000	240000	0	0	305000	252000	243000	185000	236000	165000
9	270000	230000	231000	234000	0	0	287000	271000	230000	146000	252000	222000
10	250000	230000	233000	235000	0	6000	271000	245000	240000	317000	204000	205000
11	246000	261000	233000	235000	0	6000	271000	245000	240000	296000	228000	217000
12	270000	250000	235000	247000	0	281000	300000	247000	240000	265000	228000	217000
13	242000	289000	237000	280000	0	416000	300000	248000	237000	250000	213000	197000
14	257000	289000	237000	280000	0	319000	287000	234000	247000	256000	227000	188000
15	253000	284000	285000	277000	0	405000	281000	198000	233000	245000	243000	218000
16	285000	246000	229000	277000	0	386000	293000	286000	235000	235000	237000	203000
17	285000	246000	229000	277000	0	386000	293000	286000	235000	235000	237000	203000
18	285000	246000	229000	277000	0	386000	293000	286000	235000	235000	237000	203000
19	285000	246000	229000	277000	0	386000	293000	286000	235000	235000	237000	203000
20	285000	246000	229000	277000	0	386000	293000	286000	235000	235000	237000	203000
21	285000	246000	229000	277000	0	386000	293000	286000	235000	235000	237000	203000
22	285000	246000	229000	277000	0	386000	293000	286000	235000	235000	237000	203000
23	285000	246000	229000	277000	0	386000	293000	286000	235000	235000	237000	203000
24	285000	246000	229000	277000	0	386000	293000	286000	235000	235000	237000	203000
25	285000	246000	229000	277000	0	386000	293000	286000	235000	235000	237000	203000
26	285000	246000	229000	277000	0	386000	293000	286000	235000	235000	237000	203000
27	285000	246000	229000	277000	0	386000	293000	286000	235000	235000	237000	203000
28	285000	246000	229000	277000	0	386000	293000	286000	235000	235000	237000	203000
29	285000	246000	229000	277000	0	386000	293000	286000	235000	235000	237000	203000
30	285000	246000	229000	277000	0	386000	293000	286000	235000	235000	237000	203000
31	285000	246000	229000	277000	0	386000	293000	286000	235000	235000	237000	203000
TOTALS	7,861,000	6,724,000	7,206,000	7,668,000	7,844,000	6,786,000	6,865,000	7,074,000	7,485,000	6,843,000	6,819,000	6,819,000

SHURTZ CANYON SPRINGS

YEAR 2025

GALLONS 83,706.000

DATE	January	February	March	April	May	June	July	August	September	October	November	December
1	0	0	620000	0	170814	213942	1192000	801742	1891620	184071	420000	0
2	0	0	0	0	1504624	030000	0	2056070	286873	886579	0	0
3	0	0	0	0	1571619	688433	0	1685053	178897	620000	0	0
4	0	0	0	0	1885211	1291611	1348932	2291532	1269902	110434	0	0
5	0	0	0	0	2048702	1758881	1810473	2172861	1586772	602	0	0
6	0	0	0	0	832000	2168773	2834675	3362000	1862517	1712083	43816	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	229000	2305196	3005285	1556835	1564286	110434	448000	0
9	0	0	665000	873000	834000	1884286	1678028	2170667	1866601	1188448	450000	0
10	0	0	656000	636300	0	0	0	0	0	0	0	0
11	0	0	0	511000	1190000	3346351	2208735	1884576	686000	1077887	41000	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	420000	798000	2146958	1888447	1848381	534000	1070845	0
14	0	0	0	0	181000	1653200	2056511	821000	663000	1030831	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	0	2465000	3815000	20081586	28050077	44397079	59481078	47514096	31487772	27500877	6584000	3465000

WELL PRESUMED IRRIGATION TOTALS

YEAR 2025

GALLONS 283,878.025

809

DATE	January	February	March	April	May	June	July	August	September	October	November	December
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	0	2456000	3815000	10403000	17280000	24680000	27957000	20844000	13276000	5660000	4584000	3465000

WELL CEMETERY - TOTAL

YEAR

2025

GALLONS

133,759,000

Rate 105

DATE	January	February	March	April	May	June	July	August	September	October	November	December
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	0	0	0	0	0	0	0	0	0	0	0	0

WELL Northfield Well

YEAR

2025

TOTAL IN

139,919,025

Rate 105

DATE	January	February	March	April	May	June	July	August	September	October	November	December
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
TOTALS	0	0	0	0	0	0	0	0	0	0	0	0
WELL:	200 N. PUMP STATION			YEAR	2025			TOTAL IN	GALLONS:			
									0			

APPENDIX D PUMPING COSTS

[illegible]

GAUCHAMA WELL #6
PLUMBING EFFICIENCY
BIRMINGHAM, AL
From 312

	January	February	March	April	May	June	July	August	September	October	November	December	ANNUAL	TOTAL
WATER	38,396.633	86,437.402	45,865.818	84,433.693	62,734.288	78,594.818	81,721.981	84,410.087	75,227.688	71,488.378	78,247.835	84,603.874	77,018.808	824,287.691
POWER	\$21,238.105	\$21,397.70	\$20,528.00	\$22,184.00	\$21,423.60	\$24,691.00	\$28,111.00	\$27,515.60	\$28,070.00	\$25,242.00	\$22,151.00	\$24,086.80	\$23,718.83	\$294,626.60
DATE	1/25/12	1/23-2/20	2/25-3/21	3/21-4/21	4/21-5/25	5/25-6/19	6/19-7/21	7/21 to 8/20	8/20-9/19	9/19-10/20	10/20-11/19	11/19-12/22		
COST PER														3
WATER	\$0.00	\$0.00	\$0.24	\$0.26	\$0.26	\$0.31	\$0.34	\$0.33	\$0.35	\$0.35	\$0.29	\$0.28	\$0.31	
POWER														
WATER	284,480	278,860	287,780	290,360	278,160	287,780	312,220	318,460	298,160	271,440	278,080	322,220	296,053	3,540,840
COST PER	\$0.075	\$0.076	\$0.077	\$0.076	\$0.079	\$0.084	\$0.085	\$0.087	\$0.086	\$0.081	\$0.080	\$0.075	\$0.080	1

	January	February	March	April	May	June	July	August	September	October	November	December	ANNUAL	TOTAL
WATER	0	0	0	36,897.200	80,608.000	58,848.000	58,313.000	57,480.000	42,910.000	58,098.000	44,111.000	0	36,879.000	420,220.000
POWER	\$496.00	\$247.00	\$594.00	\$15,099.00	\$18,473.00	\$17,598.00	\$23,288.00	\$22,261.00	\$19,638.00	\$16,669.00	\$18,337.00	\$258.00	\$13,315.17	\$156,782.00
DATE	1-25-25	1/23-2/20	2/20-3/21	3/21-4/21	4/21-5/20	5/20-6/19	6/19-7/21	7/21 to 8/20	8/20-9/19	9/19-10/20	10/20-11/19	11/19-12/22		
COST PER														
WATER	\$0.00	\$0.00	\$0.00	\$0.41	\$0.32	\$0.36	\$0.40	\$0.39	\$0.46	\$0.34	\$0.37	\$0.00	\$0.38	\$3.03
POWER														
WATER	5,460	3,502	4,771	178,560	257,255	283,579	275,508	264,863	203,344	287,020	275,344	4,777	186,364	\$1,998,372.00
COST PER	\$0.10	\$0.10	\$0.11	\$0.09	\$0.08	\$0.08	\$0.08	\$0.09	\$0.10	\$0.07	\$0.08	\$0.11	\$0.080	\$1.06

GAUCHAMA WELL #6
PLUMBING EFFICIENCY
BIRMINGHAM, AL
From 173 - 293

	January	February	March	April	May	June	July	August	September	October	November	December	ANNUAL	TOTAL
WATER	0	0	0	36,897.200	80,608.000	58,848.000	58,313.000	57,480.000	42,910.000	58,098.000	44,111.000	0	36,879.000	420,220.000
POWER	\$496.00	\$247.00	\$594.00	\$15,099.00	\$18,473.00	\$17,598.00	\$23,288.00	\$22,261.00	\$19,638.00	\$16,669.00	\$18,337.00	\$258.00	\$13,315.17	\$156,782.00
DATE	1-25-25	1/23-2/20	2/20-3/21	3/21-4/21	4/21-5/20	5/20-6/19	6/19-7/21	7/21 to 8/20	8/20-9/19	9/19-10/20	10/20-11/19	11/19-12/22		
COST PER														
WATER	\$0.00	\$0.00	\$0.00	\$0.41	\$0.32	\$0.36	\$0.40	\$0.39	\$0.46	\$0.34	\$0.37	\$0.00	\$0.38	\$3.03
POWER														
WATER	5,460	3,502	4,771	178,560	257,255	283,579	275,508	264,863	203,344	287,020	275,344	4,777	186,364	\$1,998,372.00
COST PER	\$0.10	\$0.10	\$0.11	\$0.09	\$0.08	\$0.08	\$0.08	\$0.09	\$0.10	\$0.07	\$0.08	\$0.11	\$0.080	\$1.06

200 N. PUMPSTATION
PUMPING EFFICIENCY
\$/1000 GALLONS
Item 202

	January	February	March	April	May	June	July	August	September	October	November	December	AVERAGE	TOTAL
WATER PUMPED	0	0	0	0	0	0	0	0	0	0	0	0	0	0
POWER COSTS	\$434.00	\$341.00	\$254.00	\$133.00	\$68.00	\$49.00	\$50.00	\$84.00	\$64.00	\$47.00	\$46.00	\$52.00	\$135.17	\$1,622.00
METER READING DATE	1/25/25	1/24-2/24	2/24-3/25	3/25-4/23	4/23 - 5/22	5/22-6/23	6/23-7/23	7/23-8/22	8/22-9/23	8/23-10/22	10/22-11/21	11/21-12/14		
1000 GALLONS PUMPED	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
KW-HR USAGE	4,280	3,080	1,960	880	400	240	240	440	320	240	240	280	1,050	12800.00
COST PER KW-HR	\$0.101	\$0.111	\$0.130	\$0.151	\$0.170	\$0.204	\$0.208	\$0.191	\$0.200	\$0.196	\$0.192	\$0.186	\$0.17	\$2.04

PUMP NAME - 200 N. PUMP STATION

APPENDIX E

WATER QUALITY

**WATER QUALITY TRENDS
AVERAGES**

	<u>AVERAGE T.D.S.</u>	<u>AVERAGE NITRATES</u>
2011	No Data	0.43
2012	No Data	0.43
2013	201.7	0.50
2014	212.0	0.68
2015	No Data	0.50
2016	184.7	0.60
2017	No Data	0.46
2018	No Data	0.36
2019	208	0.40
2020	No Data	0.50
2021	No Data	0.50
2022	173.3	0.35
2023	--	--
2024	266.0	0.42
2025	288.0	0.33

APPENDIX F

**THE LAKE AT THE HILLS
MASS BALANCE SHEETS**

1. INITIAL REVIEWER MASS BALANCE LOG SHEET

Dam #1753334

Cedar City, Utah

Month: JANUARY

Year: 2025

Name of Operator(s): Chance

Name of Engineer:

PROCEDURE:

1. Prior to conducting the mass balance procedure, check the weather forecast to make sure that there is no potential for rain or snow in the forecast.
2. Perform all calculations on the precalculated inspection system at least 24 hours before the study begins.
3. Turn off all pumps and the nightflow hours from approximately 10:00 PM to 6:00 AM.
4. If it is open, close the valves in the ordinary water system.
5. Check the butterfly valve in the ordinary water system.
6. Record the water surface elevation at the end of the study period. (The SCADA system should also be monitoring the water levels.)
7. Record the water surface elevation at the end of the study period. (The SCADA system should also be monitoring the water levels.)
8. At the end of the study period, the valves can be opened and the pumps can be turned on again.
9. Provide a copy of this completed log sheet to the City Engineer.
10. The City Engineer will determine the volume of water loss during the study period based on the record of elevations.
11. The City Engineering Department will determine the volume of water loss during the study period based on the record of elevations.
12. The City Engineering Department will determine the volume of water loss during the study period based on the record of elevations.
13. The City Engineering Department will determine the volume of water loss during the study period based on the record of elevations.
14. The volume of water loss during the study period will be taken based on the record of elevations.

Percent Information by the following table:

Start Date	Start Time	Start WSE	End WSE
1-14-25	23:00	6009.286	
End Date	End Time	End WSE	
1-15-25	9:00	6009.282	

NOTE: Return this sheet to the City Engineering Department after the results are recorded.

The following table is to be completed by the Cedar City Engineering Department:

Storage Difference	Net	Other Difference = Start WSE - End WSE
Storage volume at Start WSE	gallons	Refer to the storage-elevation curve.
Storage volume at End WSE	gallons	Refer to the storage-elevation curve.
Volume of water lost	gallons	Water loss = Start WSE volume - End WSE volume
Time elapsed during test period	hours	
Water loss per hour	gallons/hour	Water loss per hour = Total volume / time elapsed
Advisable Leakage Rate (ALR)	gallons/hour	
Is water loss less than ALR?	Yes or No?	

If No, then contact the State Engineer.

NOTE: A copy of this completed sheet should be kept for inclusion in the City's Annual Water Report.

1. INITIAL REVIEWER MASS BALANCE LOG SHEET

Dam #1753334

Cedar City, Utah

Month: February

Year: 2025

Name of Operator(s): Chance

Name of Engineer:

PROCEDURE:

1. Prior to conducting the mass balance procedure, check the weather forecast to make sure that there is no potential for rain or snow in the forecast.
2. Perform all calculations on the precalculated inspection system at least 24 hours before the study begins.
3. Turn off all pumps and the nightflow hours from approximately 10:00 PM to 6:00 AM.
4. If it is open, close the valves in the ordinary water system.
5. Check the butterfly valve in the ordinary water system.
6. Record the water surface elevation at the end of the study period. (The SCADA system should also be monitoring the water levels.)
7. Record the water surface elevation at the end of the study period. (The SCADA system should also be monitoring the water levels.)
8. At the end of the study period, the valves can be opened and the pumps can be turned on again.
9. Provide a copy of this completed log sheet to the City Engineer.
10. The City Engineer will determine the volume of water loss during the study period based on the record of elevations.
11. The City Engineering Department will determine the volume of water loss during the study period based on the record of elevations.
12. The City Engineering Department will determine the volume of water loss during the study period based on the record of elevations.
13. The City Engineering Department will determine the volume of water loss during the study period based on the record of elevations.
14. The volume of water loss during the study period will be taken based on the record of elevations.

Percent Information by the following table:

Start Date	Start Time	Start WSE	End WSE
2-10	21:00	6008.734	
End Date	End Time	End WSE	
2-11	08:00	6008.734	

NOTE: Return this sheet to the City Engineering Department after the results are recorded.

The following table is to be completed by the Cedar City Engineering Department:

Storage Difference	Net	Other Difference = Start WSE - End WSE
Storage volume at Start WSE	gallons	Refer to the storage-elevation curve.
Storage volume at End WSE	gallons	Refer to the storage-elevation curve.
Volume of water lost	gallons	Water loss = Start WSE volume - End WSE volume
Time elapsed during test period	hours	
Water loss per hour	gallons/hour	Water loss per hour = Total volume / time elapsed
Advisable Leakage Rate (ALR)	gallons/hour	
Is water loss less than ALR?	Yes or No?	

If No, then contact the State Engineer.

NOTE: A copy of this completed sheet should be kept for inclusion in the City's Annual Water Report.

LEIGH HILL RESERVOIR
MASS BALANCE LOG SHEET

Date: 03/13/24

Color: CRY, URB

PROCEDURE:

1. Prior to conducting the mass balance procedure, check the weather forecast to make sure that there is no potential for rain or snow in the forecast.
2. Notify all concerned personnel of the mass balance procedure and the time to begin the procedure.
3. Perform the study during the specified time period (approximately 10:00 PM to 6:00 AM).
4. Turn off all pumps and wells that feed into the reservoir.
5. If it is open, close the valve on the outflow water system.
6. Close the butterfly valve in the observation box to prevent any water from coming in or going out of the reservoir.
7. Record the water surface elevation at the beginning of the study period. (The SCADA system should also be monitoring the water levels.)
8. Record the water surface elevation at the end of the study period. (The SCADA system should also be monitoring the water levels.)
9. At the end of the study period, the water surface elevation should be the same as the beginning of the study period.
10. Provide a copy of the completed log sheet to the City Engineer.
11. The City Engineer will sign the log sheet and return it to the City Engineer.
12. The City Engineer will sign the log sheet and return it to the City Engineer.
13. The City Engineer will sign the log sheet and return it to the City Engineer.
14. The City Engineer will sign the log sheet and return it to the City Engineer.

Record Information in the following table:

Start Date	Start Time	Start WSE	End WSE
3-10	21:00	6008.507	6008.507
End Date	End Time	End WSE	End WSE
3-10	06:00	6008.507	6008.507

NOTE: Return this sheet to the City Engineering Department after the results are recorded.

The following table is to be completed by the Cedar City Engineering Department:

Storage Difference	Net	Flow Difference = Start WSE - End WSE
Storage volume at Start WSE	gallons	Refer to the storage elevation curve.
Storage volume at End WSE	gallons	Refer to the storage elevation curve.
Volume of water lost	gallons	Water loss = Start WSE volume - End WSE volume
Time elapsed during test period	hours	Water loss per hour = Total volume / time elapsed
Water loss per hour	gallons	
Allowable Leakage Rate (ALR)	gallons	
Is water loss less than ALR?	YES or NO?	
	YES	

NOTE: A copy of this completed sheet should be kept for inclusion in the City's Annual Water Report.

LEIGH HILL RESERVOIR
MASS BALANCE LOG SHEET

Date: 04/13/24

Color: CRY, URB

PROCEDURE:

1. Prior to conducting the mass balance procedure, check the weather forecast to make sure that there is no potential for rain or snow in the forecast.
2. Notify all concerned personnel of the mass balance procedure and the time to begin the procedure.
3. Perform the study during the specified time period (approximately 10:00 PM to 6:00 AM).
4. Turn off all pumps and wells that feed into the reservoir.
5. If it is open, close the valve on the outflow water system.
6. Close the butterfly valve in the observation box to prevent any water from coming in or going out of the reservoir.
7. Record the water surface elevation at the beginning of the study period. (The SCADA system should also be monitoring the water levels.)
8. Record the water surface elevation at the end of the study period. (The SCADA system should also be monitoring the water levels.)
9. At the end of the study period, the water surface elevation should be the same as the beginning of the study period.
10. Provide a copy of the completed log sheet to the City Engineer.
11. The City Engineer will sign the log sheet and return it to the City Engineer.
12. The City Engineer will sign the log sheet and return it to the City Engineer.
13. The City Engineer will sign the log sheet and return it to the City Engineer.
14. The City Engineer will sign the log sheet and return it to the City Engineer.

Record Information in the following table:

Start Date	Start Time	Start WSE	End WSE
3-30	22:00	6008.396	6008.396
End Date	End Time	End WSE	End WSE
3-31	08:00	6008.396	6008.396

NOTE: Return this sheet to the City Engineering Department after the results are recorded.

The following table is to be completed by the Cedar City Engineering Department:

Storage Difference	Net	Flow Difference = Start WSE - End WSE
Storage volume at Start WSE	gallons	Refer to the storage elevation curve.
Storage volume at End WSE	gallons	Refer to the storage elevation curve.
Volume of water lost	gallons	Water loss = Start WSE volume - End WSE volume
Time elapsed during test period	hours	Water loss per hour = Total volume / time elapsed
Water loss per hour	gallons	
Allowable Leakage Rate (ALR)	gallons	
Is water loss less than ALR?	YES or NO?	
	YES	

NOTE: A copy of this completed sheet should be kept for inclusion in the City's Annual Water Report.

LEIGH HILL RESERVOIR
MASS BALANCE LOG SHEET

Date: 2025

Name of Engineer: Dan Rutisha

PROCEEDURE:

1. Prior to conducting the mass balance procedure, check the weather forecast to make sure that there is no potential for rain or snow in the forecast.
2. Notify all customers on the system of the mass balance procedure and the potential for rain or snow in the forecast.
3. Turn off all pumps and valves that feed into the reservoir at least 24 hours before the study begins.
4. If it rains, close the valves on the reservoir system.
5. Close the reservoir system.
6. Record the water surface elevation at the beginning of the study period. (The SCADA system should also be monitoring the water levels.)
7. Record the water surface elevation at the end of the study period. (The SCADA system should also be monitoring the water levels.)
8. At the end of the study period, the valves can be turned on again.
9. Provide a copy of this completed log sheet to the City Engineer.
10. The City Engineering Department will determine the volume of water loss during the study period based on the amount of precipitation.
11. The City Engineering Department will determine the volume of water loss during the study period based on the amount of precipitation.
12. The City Engineering Department will determine the volume of water loss during the study period based on the amount of precipitation.
13. The City Engineering Department will determine the volume of water loss during the study period based on the amount of precipitation.
14. At the volume of water loss, the reservoir should be closed to the City Engineer (Dan Rutisha).

Present information by the following table:

Start Date	Start Time	Start WSE	End WSE
5-4-25	20:00	6009.477	6007.477
5-5-25	06:00		

NOTE: Return this sheet to the City Engineering Department after the results are recorded.

The following table is to be completed by the Cedar City Engineering Department:

Storage volume at Start WSE	Water loss during the study period	Water loss per hour	Water loss per acre
Volume of water lost	0	0	0
Water loss per hour	0	0	0
Water loss per acre	0	0	0

NOTE: A copy of this completed sheet should be kept for inclusion in the City's Annual Water Report.

LEIGH HILL RESERVOIR
MASS BALANCE LOG SHEET

Date: 2025

Name of Engineer: Dan Rutisha

PROCEEDURE:

1. Prior to conducting the mass balance procedure, check the weather forecast to make sure that there is no potential for rain or snow in the forecast.
2. Notify all customers on the system of the mass balance procedure and the potential for rain or snow in the forecast.
3. Turn off all pumps and valves that feed into the reservoir at least 24 hours before the study begins.
4. If it rains, close the valves on the reservoir system.
5. Close the reservoir system.
6. Record the water surface elevation at the beginning of the study period. (The SCADA system should also be monitoring the water levels.)
7. Record the water surface elevation at the end of the study period. (The SCADA system should also be monitoring the water levels.)
8. At the end of the study period, the valves can be turned on again.
9. Provide a copy of this completed log sheet to the City Engineer.
10. The City Engineering Department will determine the volume of water loss during the study period based on the amount of precipitation.
11. The City Engineering Department will determine the volume of water loss during the study period based on the amount of precipitation.
12. The City Engineering Department will determine the volume of water loss during the study period based on the amount of precipitation.
13. The City Engineering Department will determine the volume of water loss during the study period based on the amount of precipitation.
14. At the volume of water loss, the reservoir should be closed to the City Engineer (Dan Rutisha).

Present information by the following table:

Start Date	Start Time	Start WSE	End WSE
6-1	22:00	6007.066	6007.292
6-2	01:00		

NOTE: Return this sheet to the City Engineering Department after the results are recorded.

The following table is to be completed by the Cedar City Engineering Department:

Storage volume at Start WSE	Water loss during the study period	Water loss per hour	Water loss per acre
Volume of water lost	0	0	0
Water loss per hour	0	0	0
Water loss per acre	0	0	0

NOTE: A copy of this completed sheet should be kept for inclusion in the City's Annual Water Report.

LEIGH HILL FIREPROOF
MASS BALANCE LOG SHEET

Date: 8/15/2024

Month: July

Year: 2025

Name of Operator(s): John C. C.

Name of Engineer: John C. C.

PROCEDURE:

1. Before conducting the mass balance procedure, check the weather forecast to make sure that there is no potential for rain or snow in the forecast.
2. Turn off all pumps and wait until the water level has stabilized (approximately 10:00 PM to 11:00 AM).
3. If it is open, close the valve on the ordinary water supply system.
4. Record the battery voltage in the observation log to prevent any water from coming in or going out of the reservoir.
5. Record the water level elevation at the end of the study period. (The SCADA system should also be recording the water level.)
6. At the end of the study period, the SCADA system should also be recording the water level.
7. Provide a copy of this completed log sheet to the City Engineer.
8. The City Engineering Department will keep a log of the water level elevation for the study period based on the amount of observation.
9. The City Engineering Department will keep a log of the water level elevation for the study period based on the amount of observation.
10. The City Engineering Department will keep a log of the water level elevation for the study period based on the amount of observation.
11. The City Engineering Department will keep a log of the water level elevation for the study period based on the amount of observation.
12. The City Engineering Department will keep a log of the water level elevation for the study period based on the amount of observation.
13. The City Engineering Department will keep a log of the water level elevation for the study period based on the amount of observation.
14. The City Engineering Department will keep a log of the water level elevation for the study period based on the amount of observation.

Record Information by the following table:

Start Date	Start Time	Start WSE	End WSE
7-6	23:00	6006.748	6006.748
End Date	End Time	End WSE	End WSE
7-7	06:00	6006.748	6006.748

NOTE: Return this sheet to the City Engineering Department after the results are recorded.

The following table is to be completed by the Cedar City Engineering Department:

Storage volume at Start WSE	Water level	Water level	Water level
Storage volume at End WSE	Water level	Water level	Water level
Volume of water lost	Water level	Water level	Water level
Time elapsed during test period	Water level	Water level	Water level
Water loss per hour	Water level	Water level	Water level
Alternate Leakage Rate (ALR)	Water level	Water level	Water level
Is water loss less than ALR?	Water level	Water level	Water level

NOTE: A copy of this completed sheet should be kept for inclusion in the City's Annual Water Report.

LEIGH HILL FIREPROOF
MASS BALANCE LOG SHEET

Date: 8/15/2024

Month: August

Year: 2025

Name of Operator(s): John C. C.

Name of Engineer: John C. C.

PROCEDURE:

1. Before conducting the mass balance procedure, check the weather forecast to make sure that there is no potential for rain or snow in the forecast.
2. Turn off all pumps and wait until the water level has stabilized (approximately 10:00 PM to 11:00 AM).
3. If it is open, close the valve on the ordinary water supply system.
4. Record the battery voltage in the observation log to prevent any water from coming in or going out of the reservoir.
5. Record the water level elevation at the end of the study period. (The SCADA system should also be recording the water level.)
6. At the end of the study period, the SCADA system should also be recording the water level.
7. Provide a copy of this completed log sheet to the City Engineer.
8. The City Engineering Department will keep a log of the water level elevation for the study period based on the amount of observation.
9. The City Engineering Department will keep a log of the water level elevation for the study period based on the amount of observation.
10. The City Engineering Department will keep a log of the water level elevation for the study period based on the amount of observation.
11. The City Engineering Department will keep a log of the water level elevation for the study period based on the amount of observation.
12. The City Engineering Department will keep a log of the water level elevation for the study period based on the amount of observation.
13. The City Engineering Department will keep a log of the water level elevation for the study period based on the amount of observation.
14. The City Engineering Department will keep a log of the water level elevation for the study period based on the amount of observation.

Record Information by the following table:

Start Date	Start Time	Start WSE	End WSE
8-17	24:00	6006.355	6006.355
End Date	End Time	End WSE	End WSE
8-17	07:00	6006.355	6006.355

NOTE: Return this sheet to the City Engineering Department after the results are recorded.

The following table is to be completed by the Cedar City Engineering Department:

Storage volume at Start WSE	Water level	Water level	Water level
Storage volume at End WSE	Water level	Water level	Water level
Volume of water lost	Water level	Water level	Water level
Time elapsed during test period	Water level	Water level	Water level
Water loss per hour	Water level	Water level	Water level
Alternate Leakage Rate (ALR)	Water level	Water level	Water level
Is water loss less than ALR?	Water level	Water level	Water level

NOTE: A copy of this completed sheet should be kept for inclusion in the City's Annual Water Report.

Cedar City, Utah

PROCEDURE:

- [illegible]

Fill in the following table:

9-15-25	Start Time	0900	End Time	
Project - Project Location: Division in IT Service (resid to the research)				

The following table is to be completed by the Coordinator after the results are recorded.

Start Date	Start Time	Start WSE	End WSE
9-15-25	0900	6,009.584	
9-15-25	End 1800		6,009.581

NOTE: Return this sheet to the City Engineering Department when completed.

NOTE: A copy of this completed sheet should be turned in to the instructor.

Cedar City, Utah

PROCEDURE

3. Perform the test on the preselected triploid system at 1400 KPa for 10 min. The system should be able to sustain the test for 10 min or longer.
4. Turn off all pumps and wait 10 min before the next test.
5. If it is open, close the valve on the redundancy pressure regulation system.
6. Check the battery status by the observation box to prevent any issues from coming in to going out of the reservoir.
7. Record the water column elevation at the beginning of the study period. (The SCAM system should also be monitoring the water level.)
8. At the end of the study period, turn off the pumps and wait 10 min before the next test.
9. Remove a copy of the completed log sheet in the CCM and return it to the CCM.
10. The CCM will generate a report and determine the volume of water loss during the 10 min test period based on the amount of water loss.
11. The CCM will generate a report and determine the volume of water loss during the 10 min test period based on the amount of water loss.
12. The CCM will generate a report and determine the volume of water loss during the 10 min test period based on the amount of water loss.
13. The CCM will generate a report and determine the volume of water loss during the 10 min test period based on the amount of water loss.
14. The volume of water loss (measured by the SCAM) may result in the CCM being able to determine the volume of water loss during the 10 min test period.

Sheet Date: 11/11/2011

10-5-25	Start Time	7:00	Time	10:00	Time	11:00	Time	12:00	Time	13:00	Time	14:00	Time	15:00	Time	16:00	Time	17:00	Time	18:00	Time	19:00	Time	20:00	Time	21:00	Time	22:00	Time	23:00	Time	24:00	Time	25:00	Time	26:00	Time	27:00	Time	28:00	Time	29:00	Time	30:00	Time	31:00	Time	32:00	Time	33:00	Time	34:00	Time	35:00	Time	36:00	Time	37:00	Time	38:00	Time	39:00	Time	40:00	Time	41:00	Time	42:00	Time	43:00	Time	44:00	Time	45:00	Time	46:00	Time	47:00	Time	48:00	Time	49:00	Time	50:00	Time	51:00	Time	52:00	Time	53:00	Time	54:00	Time	55:00	Time	56:00	Time	57:00	Time	58:00	Time	59:00	Time	60:00	Time	61:00	Time	62:00	Time	63:00	Time	64:00	Time	65:00	Time	66:00	Time	67:00	Time	68:00	Time	69:00	Time	70:00	Time	71:00	Time	72:00	Time	73:00	Time	74:00	Time	75:00	Time	76:00	Time	77:00	Time	78:00	Time	79:00	Time	80:00	Time	81:00	Time	82:00	Time	83:00	Time	84:00	Time	85:00	Time	86:00	Time	87:00	Time	88:00	Time	89:00	Time	90:00	Time	91:00	Time	92:00	Time	93:00	Time	94:00	Time	95:00	Time	96:00	Time	97:00	Time	98:00	Time	99:00	Time	100:00	Time	101:00	Time	102:00	Time	103:00	Time	104:00	Time	105:00	Time	106:00	Time	107:00	Time	108:00	Time	109:00	Time	110:00	Time	111:00	Time	112:00	Time	113:00	Time	114:00	Time	115:00	Time	116:00	Time	117:00	Time	118:00	Time	119:00	Time	120:00	Time	121:00	Time	122:00	Time	123:00	Time	124:00	Time	125:00	Time	126:00	Time	127:00	Time	128:00	Time	129:00	Time	130:00	Time	131:00	Time	132:00	Time	133:00	Time	134:00	Time	135:00	Time	136:00	Time	137:00	Time	138:00	Time	139:00	Time	140:00	Time	141:00	Time	142:00	Time	143:00	Time	144:00	Time	145:00	Time	146:00	Time	147:00	Time	148:00	Time	149:00	Time	150:00	Time	151:00	Time	152:00	Time	153:00	Time	154:00	Time	155:00	Time	156:00	Time	157:00	Time	158:00	Time	159:00	Time	160:00	Time	161:00	Time	162:00	Time	163:00	Time	164:00	Time	165:00	Time	166:00	Time	167:00	Time	168:00	Time	169:00	Time	170:00	Time	171:00	Time	172:00	Time	173:00	Time	174:00	Time	175:00	Time	176:00	Time	177:00	Time	178:00	Time	179:00	Time	180:00	Time	181:00	Time	182:00	Time	183:00	Time	184:00	Time	185:00	Time	186:00	Time	187:00	Time	188:00	Time	189:00	Time	190:00	Time	191:00	Time	192:00	Time	193:00	Time	194:00	Time	195:00	Time	196:00	Time	197:00	Time	198:00	Time	199:00	Time	200:00	Time	201:00	Time	202:00	Time	203:00	Time	204:00	Time	205:00	Time	206:00	Time	207:00	Time	208:00	Time	209:00	Time	210:00	Time	211:00	Time	212:00	Time	213:00	Time	214:00	Time	215:00	Time	216:00	Time	217:00	Time	218:00	Time	219:00	Time	220:00	Time	221:00	Time	222:00	Time	223:00	Time	224:00	Time	225:00	Time	226:00	Time	227:00	Time</
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The following table is to be completed by the Cardiac Fibre Electrophysiology Unit. All events and results are recorded.

Event	Start Time	End Time	Start WSE	End WSE
10-5-25	7:30		6066 810	
10-5-25		15:30		6066 714

NOTE: A copy of this completed sheet should be kept for each child.

WATER RIGHTS SPREADSHEETS

Cedar City Corporation Municipal Water Rights - Groundwater (Sorted by Priority Date in Basin 7)												
Water Right No.	Source/holder	Source Name(s)	Diversion (cfs)	Cumulative (cfs)	Place (ft)	Method of Use	Priority Date	Proof Due Date	Monetary Expiration	Rate Supply (cfs)	Acquiescence to Irrigation (where (cfs))	POD - Starts or Ends
7-2-97	Castle Valley Ranch, LLC (Ogden Leases)		949.88	949.88	2	May 15 - Oct 31	1980	31-Dec-2036		949.88		North
7-2-98	Castle Valley Ranch, LLC (Ogden Leases)		1.00	1.00	2	Apr 1 - Oct 31	1980	31-Dec-2036		1.00		North
7-2-134	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	273.08		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-135	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	275.56		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-136	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	302.36		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-137	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	304.84		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-138	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	331.64		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-139	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	334.12		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-140	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	360.92		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-141	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	363.40		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-142	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	390.20		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-143	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	392.68		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-144	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	419.48		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-145	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	421.96		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-146	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	448.76		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-147	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	451.24		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-148	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	478.04		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-149	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	480.52		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-150	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	507.32		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-151	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	509.80		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-152	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	536.60		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-153	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	539.08		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-154	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	565.88		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-155	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	568.36		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-156	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	595.16		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-157	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	597.64		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-158	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	624.44		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-159	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	626.92		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-160	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	653.72		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-161	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	656.20		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-162	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	683.00		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-163	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	685.48		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-164	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	712.28		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-165	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	714.76		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-166	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	741.56		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-167	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	744.04		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-168	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	770.84		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-169	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	773.32		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-170	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	800.12		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-171	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	802.60		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-172	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	829.40		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-173	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	831.88		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-174	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	858.68		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-175	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	861.16		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-176	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	887.96		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-177	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	890.44		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-178	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	917.24		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-179	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	919.72		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-180	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	946.52		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-181	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	948.99		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-182	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	975.79		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-183	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	978.27		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-184	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1005.07		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-185	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1007.55		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-186	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1034.35		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-187	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1036.83		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-188	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1063.63		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-189	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1066.11		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-190	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1092.91		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-191	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1095.39		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-192	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1122.19		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-193	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1124.67		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-194	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1151.47		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-195	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1153.95		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-196	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1180.75		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-197	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1183.23		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-198	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1210.03		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-199	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1212.51		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-200	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1239.31		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-201	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1241.79		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-202	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1268.59		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-203	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1271.07		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-204	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1297.87		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-205	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1300.35		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-206	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1327.15		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-207	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1329.63		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-208	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1356.43		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-209	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1358.91		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-210	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1385.71		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-211	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1388.19		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-212	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1414.99		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-213	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1417.47		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-214	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1444.27		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-215	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1446.75		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-216	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1473.55		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-217	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1476.03		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-218	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1502.83		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-219	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1505.31		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-220	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1532.11		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-221	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1534.59		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-222	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1561.39		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-223	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1563.87		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-224	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1590.67		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-225	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1593.15		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-226	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1619.95		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-227	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1622.43		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-228	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1649.23		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-229	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1651.71		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-230	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1678.51		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-231	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1680.99		Apr 1 - Oct 31	1980	31-Dec-2036		2.48		North
7-2-232	Joe Burgettson Trust (Development LLC) (Tom Allen)		26.8	1707.79		May 15 - Oct 31	1980	31-Dec-2036		26.8		North
7-2-233	Joe Burgettson Trust (Development LLC) (Tom Allen)		2.48	1710.27		Apr 1 - Oct 31	1980	31-Dec-2036		2		

Cedar City Corporation Irrigation Water Rights - Surface Water						
Water Right No.	Source	Source Name(s)	Flow (ac-ft)	Flow (cfs)	Period of Use	Priority Date
73-423	Coal Creek	Coal Creek	448.60	0.38	Apr 1 - Nov 30	1903
73-529	Coal Creek	Coal Creek	Note 1	0.21	Apr 1 - Nov 30	1870
73-1011	Coal Creek	Coal Creek	Note 1	1.92	Apr 1 - Nov 30	1870
73-1390	JDL Investments, Inc. and Cedar Valley Holdings, LLC	Parowan Gap Wash (Note 2)	0		Apr 1 - Oct 31	1856
Total flow in ac-ft =			448.60			

Note 1: Water rights #73-423, #73-529, #73-1011, and #73-1924 are limited to a total yearly diversion of 491.36 ac-ft. Refer to the Order of the State Engineer for Change Application #73-423 (a34526).

Note 2: Water rights #73-1390 and #73-387 are supplemental rights with all of the beneficial use set to WR #73-387. Refer to Memo on the Division of Water Rights website dated June 25, 2024.

Cedar City Corporation Irrigation Shares - Surface Water				
Irrigation Company	Shares Owned by Cedar City	Class	Water Yield per Share (ac-ft)	Flow (ac-ft)
South & West Field Irrigation Company	268.6376	1	3.2992	883.334
Union Field Irrigation Company	0	1	6.11	0
East Extension Irrigation Company	7.5	1 & 2	3.18	23.850
	2.5	3 & 4	6.51	16.275
	0	A	3.13	0
North Field Irrigation Company	146.36	1	3.27	476.597
	142.75	3 & 4	5.3	758.575
	30.47	A	5.9	179.773
Old Fort and Old Field Irrigation Company	38.25	1	2.53	97.113
Bulldog Ditch Association (North West Field Irrigation Company)	131.027	A	4.1638	545.57
Coal Creek Irrigation Company	20	A	0.1	2.0
	847.2650	B	0.1	84.727
Total flow in ac-ft =				3,062.41

Yield based on Div. of Water Rights website

Yield based on 2018 appraisal

Yield based on 2018 appraisal

Yield based on 2018 appraisal

Yield based on 2018 appraisal

Yield based on 2018 appraisal

Yield based on 2018 appraisal

Yield based on Div. of Water Rights website

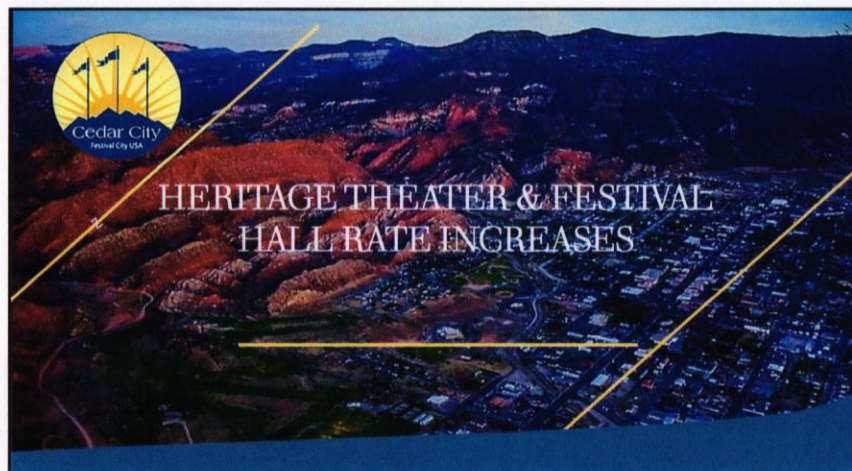
Yield based on Div. of Water Rights website

Yield based on Div. of Water Rights website

Flock Cases

1. 03/24/2025 – Business Burglary Arrest – Cleared two other business burglaries. (Tropical Smoothie, IHOP, and Pawn Plus)
 - a. Would have taken numerous hours for detectives to investigate without Flock (The Cost would have been exponential)
 - b. Conservatively, \$10,000 in manhours to solve.
 - c. \$6,200 impact on Tropical Smoothie – Returned \$3,000 from safe to owner.
 - d. 2 rifles recovered from Pawn Plus Burglary. Multiple items of value stolen, valuing approximately \$5,000.
 - e. \$2,500 impact on IHOP restaurant.
 - f. Total financial impact of \$24,000.
2. 03/30/2025 – Felony Warrant Arrest – \$1,000 impact on victim
3. 04/01/2025 – Hit and Run Accident Arrest - \$500 damage to victim
4. Larceny-Theft – Victim dropped money at Walmart. Suspects picked it up and stole it. \$825 returned to victim.
5. 08/20/2025 – Stolen vehicle/pursuit/4 runaway juveniles – arrests (\$25,000) Stolen vehicle recovery.
6. 07/15/26 – Stolen Semi Trailer recovery - \$10,000 value of trailer.

\$62,000 in total measurable costs related to cases. None of these cases would have been solved without Flock cameras.

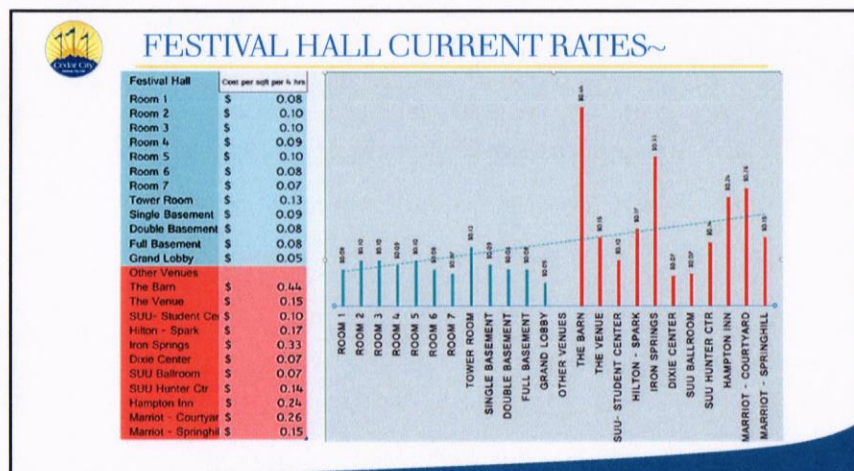


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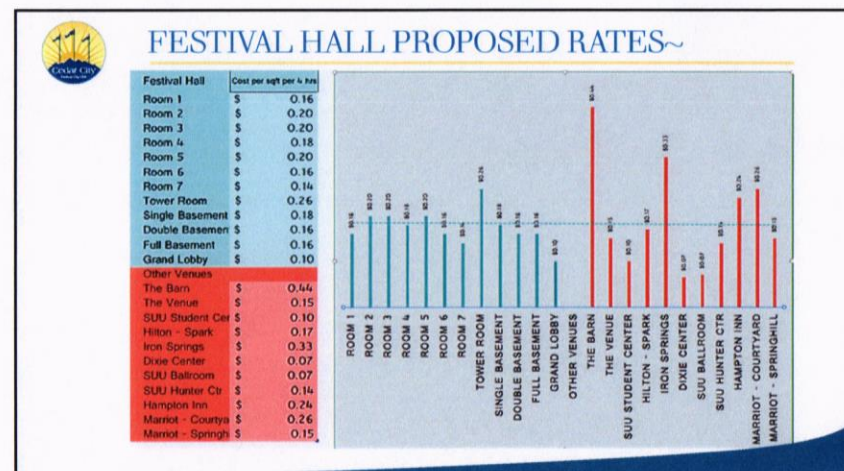
RECOMMENDATION~

- At the direction of City Council, staff are recommending an increase in rental rates & associated fees
- To remain competitive, staff thoroughly reviewed comparable event, theater, & meeting rooms locations fees. Staff believe these increases to be fair and reasonable
- This adjustment will ensure long-term financial sustainability of facilities while continuing to serve the community. Staff remains committed to pursuing new business opportunities & will work creatively to attract & accommodate events to benefit both the City and its residents.

2

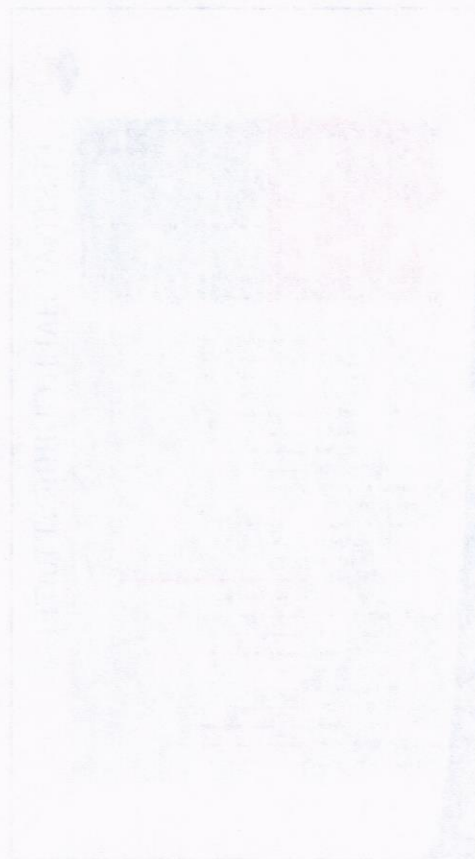
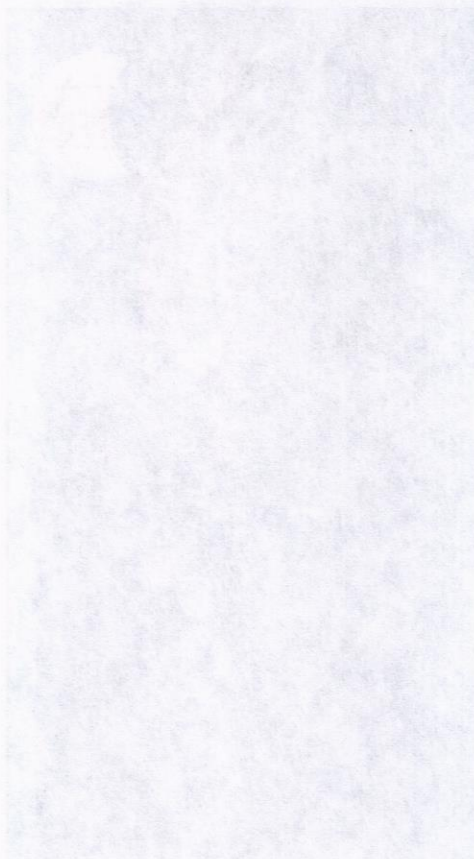
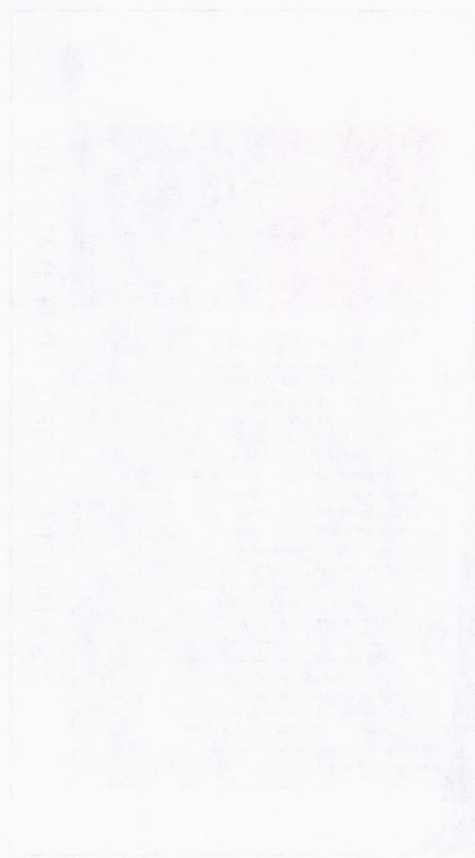


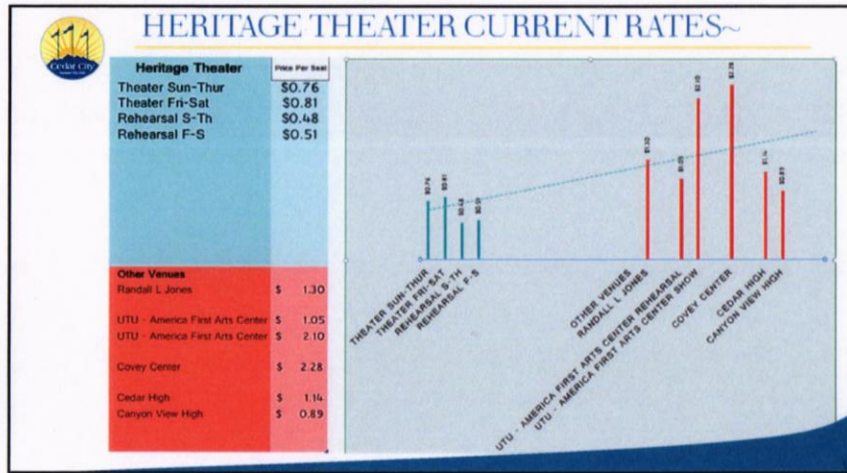
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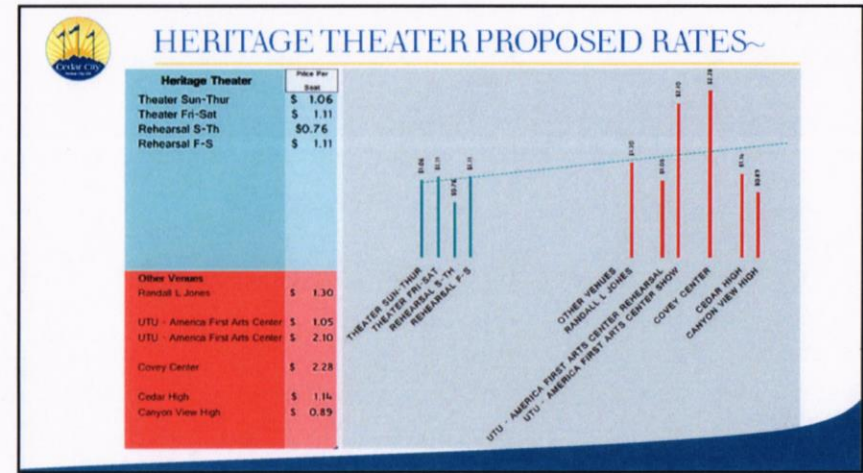
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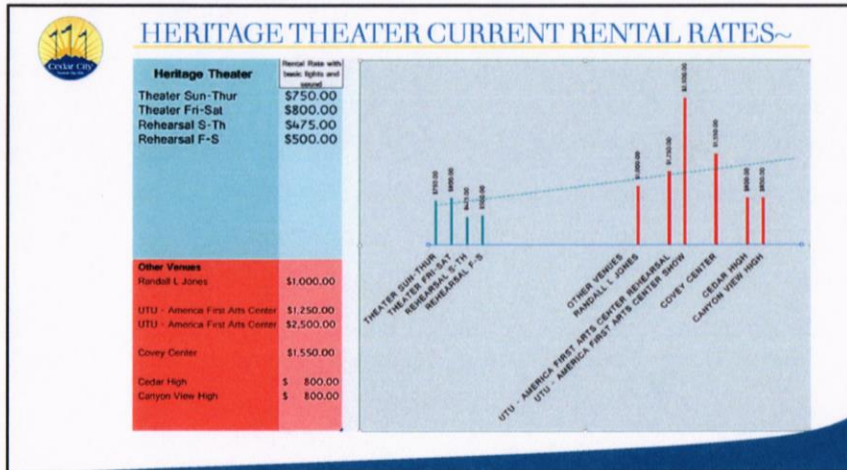




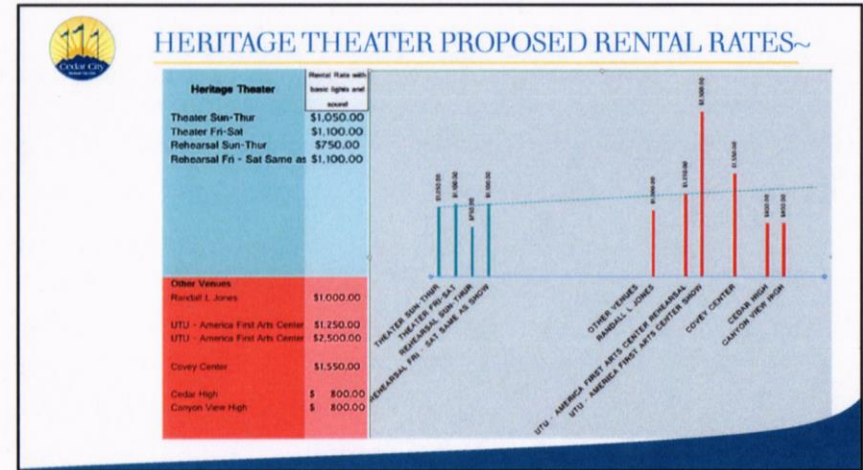
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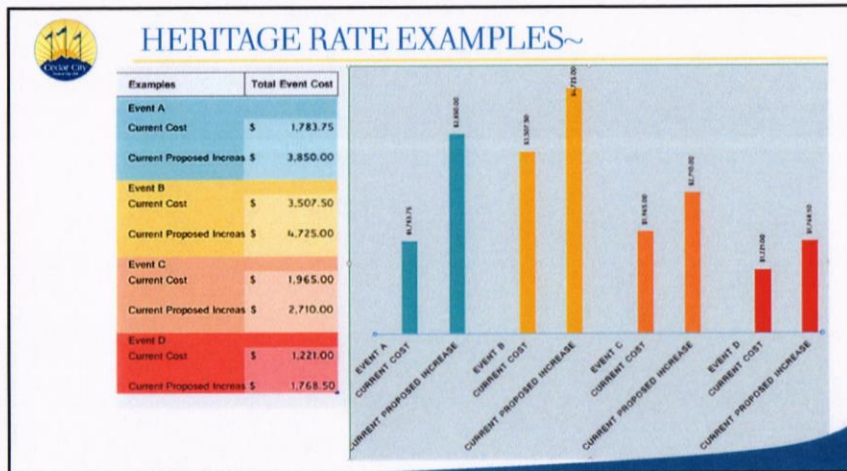
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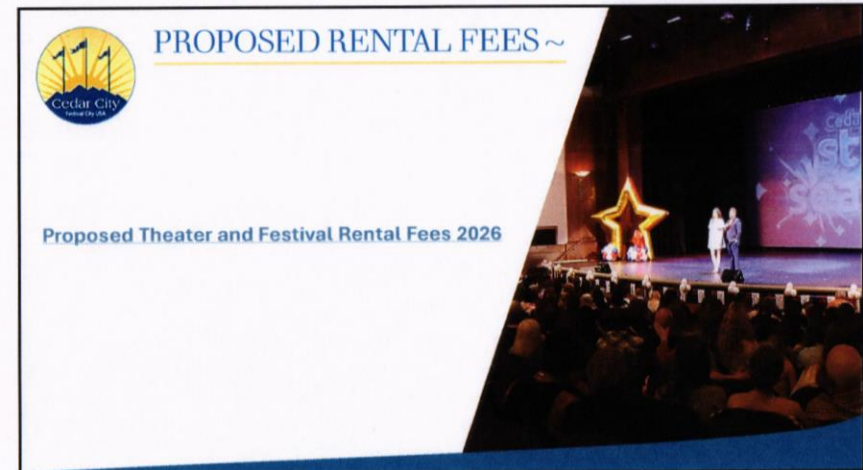
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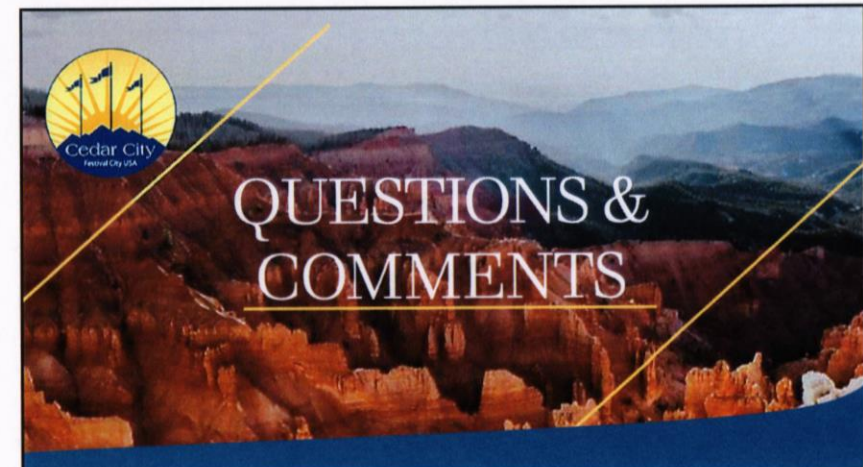
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12

HERITAGE THEATER AND FESTIVAL HALL

\$100 non-refundable deposit credited toward rental charges for each event booked in Festival Hall. Deposit is not refunded upon cancellation.

Rental	Description	Time Block	Current Fee	Proposed Fee
Equipment	Computer/Laptop	Per Day	\$ 35.00	\$ 35
Festival Hall				
	Single Conference Room	Fri-Sat 4HR	\$ 82.50	\$ 200
		Fri-Sat 12HR	\$ 165.00	\$ 400
		Sun-Thu 4HR	\$ 75.00	\$ 175
		Sun-Thu 12HR	\$ 150.00	\$ 350
	Double Conference Room	Fri-Sat 4HR	\$ 150.00	\$ 325
		Fri-Sat 12HR	\$ 300.00	\$ 650
		Sun-Thu 4HR	\$ 137.50	\$ 300
		Sun-Thu 12HR	\$ 275.00	\$ 600
	The Explorers Conference Center	Fri-Sat 4HR	\$ 300.00	\$ 600
		Fri-Sat 12HR	\$ 600.00	\$ 1,200
		Sun-Thu 4HR	\$ 275.00	\$ 575
		Sun-Thu 12HR	\$ 550.00	\$ 1,150
	Multi-Use	Fri-Sat	\$ 1,290.00	\$ 1,500
		Sun-Thu	\$ 585.00	\$ 1,250
	Meeting Room 1	Fri-Sat 4HR	\$ 115.00	\$ 225
		Fri-Sat 12HR	\$ 230.00	\$ 450
		Sun-Thu 4HR	\$ 100.00	\$ 200
		Sun-Thu 12HR	\$ 200.00	\$ 400
	Meeting Room 2-5	Fri-Sat 4HR	\$ 50.00	\$ 100
		Fri-Sat 12HR	\$ 100.00	\$ 200
		Sun-Thu 4HR	\$ 45.00	\$ 95
		Sun-Thu 12HR	\$ 90.00	\$ 175
	Meeting Room 6	Fri-Sat 4HR	\$ 70.00	\$ 150
		Fri-Sat 12HR	\$ 140.00	\$ 300
		Sun-Thu 4HR	\$ 65.00	\$ 125
		Sun-Thu 12HR	\$ 130.00	\$ 250
	Meeting Rooms 1-6 (open/combined)	Fri-Sat 4HR	\$ 375.00	\$ 750
		Fri-Sat 12HR	\$ 750.00	\$ 1,500
		Sun-Thu 4HR	\$ 340.00	\$ 725
		Sun-Thu 12HR	\$ 680.00	\$ 1,450
	Meeting Room 7	Fri-Sat 4HR	\$ 225.00	\$ 450
		Fri-Sat 12HR	\$ 450.00	\$ 900
		Sun-Thu 4HR	\$ 200.00	\$ 425

		Sun-Thu 12HR	\$	400.00	\$	850
	Tower Room/Commission Room	Fri-Sat 4HR	\$	55.00	\$	125
		Fri-Sat 12HR	\$	110.00	\$	250
		Sun-Thu 4HR	\$	50.00	\$	100
		Sun-Thu 12HR	\$	100.00	\$	200
	Kitchen -- Use				\$	50
	Setup / Labor	Per Event			\$	50
		Per Event	\$	50.00	\$	75
	After Hours (outside typical office hours)					
Heritage Theater	Hogan Outdoor Stage	w/o Lights/Sound			\$	25
		w/ Lights/Sound			\$	50
	Grand Lobby	Fri-Sat 4HR	\$	300.00	\$	650
		Fri-Sat 12HR	\$	600.00	\$	1,300
		Sun-Thu 4HR	\$	275.00	\$	600
		Sun-Thu 12HR	\$	550.00	\$	1,200
	Exhibit Space	Per Day			\$	200
	986 Seat Theater (incl. same-day setup / rehearsal)	Fri-Sat Per Show	\$	600.00	\$	800
		Sun-Thu Per Show	\$	550.00	\$	450
	Additional Rehearsal Time	Per Hour			\$	100
	Rehearsal Only	Fri-Sat Per Day	\$	300.00	\$	800
		Sun-Thu Per Day	\$	275.00	\$	450
	Technician / Stagehand Labor	Per Unit Per Day	\$	100.00	\$	150
Ticketing	Box Office (provided by Center)	Per Show			\$	25

All rates are subject to the adopted rental rate administration policy

Non-Profit groups receive a 25% discount on Room Rental Rates Sunday - Thursday