

NEPHI CITY

WATER MANAGEMENT & CONSERVATION PLAN

UPDATED APRIL 2021



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NEPHI CITY
WATER MANAGEMENT AND CONSERVATION PLAN UPDATE – 2020

TABLE OF CONTENTS

1.0	INTRODUCTION	1
2.0	BACKGROUND INFORMATION	1
2.1	CULINARY WATER CONNECTIONS.....	2
3.0	EXISTING RESOURCES.....	3
3.1	EXISTING WATER RIGHTS	3
3.2	EQUIVALENT RESIDENTIAL CONNECTION(S) (ERC)	3
3.3	WATER METERING SITUATION.....	3
3.4	WATER LOSS CONTROL	3
4.0	CURRENT AND FUTURE WATER USE	4
4.1	POPULATION PROJECTION.....	4
4.2	WATER RIGHT	4
4.3	WATER SOURCE	4
4.4	WATER USAGE.....	6
4.5	CULINARY WATER RATE STRUCTURE.....	7
5.0	WATER PROBLEMS, CONSERVATION GOALS, AND SOLUTIONS.....	8
5.1	PROBLEMS IDENTIFIED.....	8
5.2	CONSERVATION GOALS AND SOLUTIONS	8
5.3	EDUCATION PROGRAM INFORMATION	9
6.0	CULINARY WATER CONSERVATION CONTINGENCY PLAN	10
7.0	IMPLEMENTATION OF WATER CONSERVATION PLAN.....	11
8.0	PERIODIC EVALUATION	12

NEPHI CITY
WATER MANAGEMENT AND CONSERVATION PLAN UPDATE – 2020

1.0 INTRODUCTION

In response to the continual growth that the state of Utah has seen statewide, citizens and leaders of Nephi City have become increasingly concerned about the future cost and/or availability of a finite supply of water. Similar concerns have been demonstrated by the state legislature as shown by the Water Conservation Plan Act (House Bill 71) passed and revised in the 2004 legislative session (Section 73-10-32 Utah Code Annotated). This document constitutes the water conservation plan for Nephi City. It is intended to address the concerns of both Nephi City and the State of Utah while in compliance with the State of Utah Water Conservation Plan Act.

2.0 BACKGROUND INFORMATION

Located in Juab County, Nephi City had a 2010 population of 5,879. The 2020 population grew to an estimated 6,645. This equates to an average growth rate of 1.23% per year for the last 10 years.

Nephi City leaders, both political and staff, have always regarded the water needs of citizens as a top priority. As a result, a well-maintained and efficiently operated water system provides citizens with water where and when it is needed. The water system service area is shown in figure 2.1.

Nephi City has experienced a period of steady growth, with significant growth over the past five years. The water system is being updated and is currently in its third year of construction. Overall it is in good shape, and as new development comes to Nephi City, the system will be able to meet the increased demands.

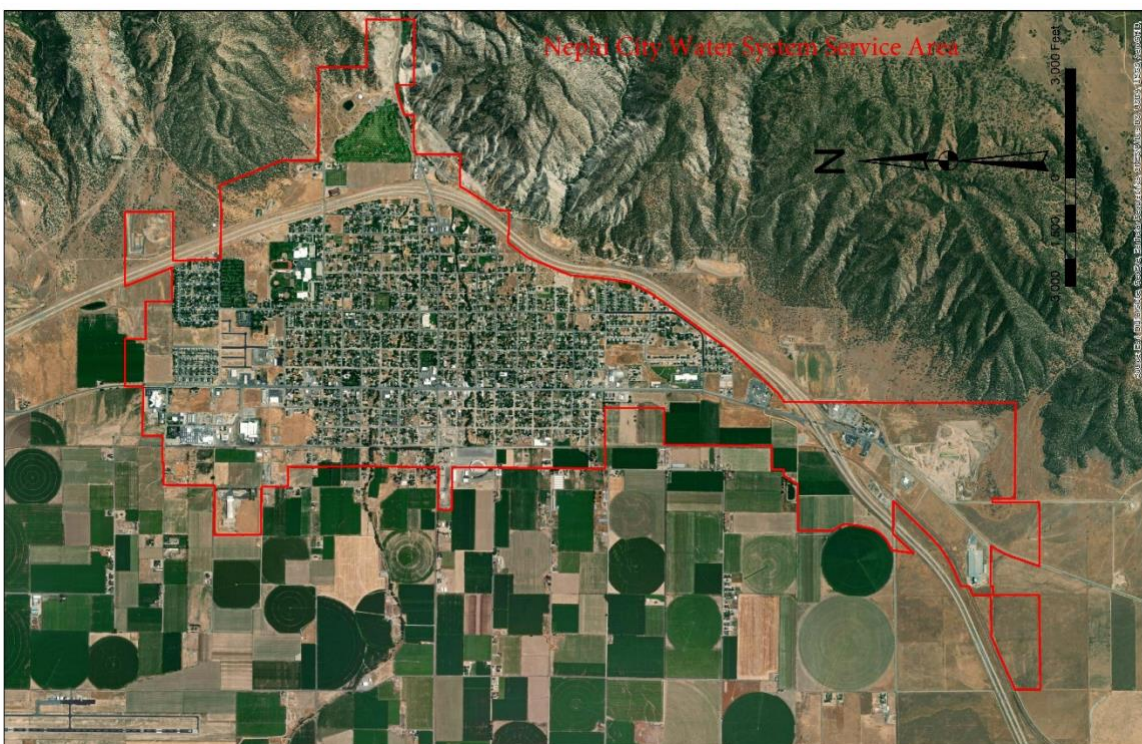


Figure 2-1 Nephi City Water System Supply Area

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2.1 Culinary Water Connections

Table 2-1 summarizes Nephi City’s culinary water system connections:

Table 2-1	
Nephi City Culinary Water Connections	
Residential	2,241
Commercial	151
Industrial	2
Institutional	72
Total	2,466

The institutional connections include supplying water to a golf course and various parks and cemeteries for outdoor watering purposes.

It should be noted that a pressurized irrigation system is available to approximately 700 connections in the City. This system is owned and operated by the Nephi Irrigation Company, and is not affiliated with Nephi City. However, Nephi City does have an agreement in place with the Irrigation Company to trade water from their respective sources so as to give the City more potable spring culinary water while the Irrigation Company uses the City well water for irrigation. The pressurized irrigation system is not anticipated to add additional connections to its system, so all future growth will rely on the City culinary system for outdoor water needs.

NEPHI CITY WATER MANAGEMENT AND CONSERVATION PLAN UPDATE – 2020
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3.0 EXISTING RESOURCES

3.1 Existing Water Rights

Nephi City currently owns 17,021.97 ac-ft of municipal water right, as summarized in Table 3-1.

Table 3-1
Existing Nephi City Culinary Water Rights

Water Right No.	Source	Amount (ac-ft)
53-00	Marsh Spring	562.42
53-2	Rowley's Spring	83.00
53-35	Monument Springs 1,2,3	488.68
53-53	Underground, Airport well	57.92
53-63	Underground	2,628.04
53-64	Industrial Waste	200.00
53-65	Underground & Bradley Spring	4,343.87
53-80	Bradley Spring Water	1092.48
53-87	Underground	3,062.42
53-88	Underground	3,663.33
53-1516	Underground	839.82
Total:		17,021.97

Nephi City has six sources of supply to its culinary water system. These sources are two springs and four wells. The two springs have an average combined flow of approximately 2050 gpm. The four wells are equipped to pump a combined 9,400 gpm. However, currently, one of these wells is used for pumping water to the irrigation company as part of the previously described water exchange.

3.2 Equivalent Residential Connection(s) (ERC)

A residential connection represents 1 ERC. All other connections will be equated to ERC based upon winter water usage. Calculations for projected water right included in Appendix B are based on ERC's rather than connections.

3.3 Water Metering Situation

Currently, Nephi City uses automated meter reading (AMR) technology for its water meters. Meters are read on a monthly basis, and faulty meters are replaced as needed.

3.4 Water Loss Control

Tracking and reducing water loss is very important to Nephi City. We use our system of source meters, located at the springs and wells, and residential meters to keep track of how much water is being lost

NEPHI CITY
WATER MANAGEMENT AND CONSERVATION PLAN UPDATE – 2020

through leaks and unmetered uses each month. Because the residential meters are equipped with AMR technology the city can often detect when and where leaks occur. The city takes a proactive approach every time a leak is located. The city has a maintenance crew that has the responsibility of finding and fixing leaks as quickly as possible, as well as informing residents of apparent leaks based on meter readings.

4.0 CURRENT AND FUTURE WATER USE

4.1 Population Projection

The Governor's Office of Planning and Budget estimates an Average Annual Rate of Change (Growth Rate) of 1.60% annually. Using a more conservative rate of 2.75%, the population is projected to be:

Table 4-1
Population Projections

<u>Year</u>	<u>Population</u>
2020	6,645
2030	8,716
2040	11,432
2050	14,995
2060	19,668

See Appendix A for more detailed population and connection data.

4.2 Water Right

According to culinary water right calculations, Nephi City currently requires 4,311 ac-ft of culinary water. According to the projected growth, it is estimated that the City will need approximately 6,936 ac-ft of water in 2040, and approximately 11,944 ac-ft of water in 2060. Refer to the Current and Projected Water Right Data in Appendix B.

As previously noted, Nephi City currently owns 17,022 ac-ft of municipal water right which is planned for use in the culinary system (see Table 3.1). Some of this water is currently listed with the State Division of Water Rights as winter only water, and some is listed as summer only water. Refer to the 40-year water rights master plan to see what the breakdown of each of these water right categories is. If the actual growth rate varies from the projection then the water rights requirement will increase or decrease. The need for water rights should be evaluated on a regular basis to account for changes in growth rate.

4.3 Water Source

Nephi City is supplied by a combination of springs and wells as shown in Table 4-3 on the following page.

NEPHI CITY
WATER MANAGEMENT AND CONSERVATION PLAN UPDATE – 2020

Table 4-3
Nephi City Sources

Name	Rate (gpm)
Upper & Lower Marsh Springs	600
Upper & Lower Bradley Springs	1,300
Equipment Shed Well	2,400
Jones Well (2,400 gpm)	1,100
Airport Well	0
Firehouse Well	3,500
Worwood Well	1,100
Total	10,000

The water quality of Nephi City's wells and springs is generally good. The water from the mountain springs (Upper & Lower Marsh Springs and Upper & Lower Bradley Springs) is the main source of water for the system. The Equipment Shed Well can be pumped at 2,400 gpm, and currently operates for approximately 14 hours per day during summer months. The Jones Well and Firehouse Well are used to supplement the irrigation company under a trade agreement for use of Bradley Springs in the summer months, and is therefore not accounted for under the culinary supply data. Overflow from the usable spring sources is also used to supplement the irrigation system during summer months.

The following graph shows the City's reliable supply for the next 40 years compared to the amount of water the city will use with its current use and its goal use. As can be seen from the graph, if the city reduces the gpcd by 10% in 20 years and 25% in 40 years they will lower their use by approximately 2,000 ac-ft by 2060. The supply shown on the graph is the cities current supply use from all sources. Most of these sources are not being used at their full potential. As Nephi City grows it will draw more from the individual sources. The city will also look for new available sources as the need arises.

NEPHI CITY
WATER MANAGEMENT AND CONSERVATION PLAN UPDATE – 2020

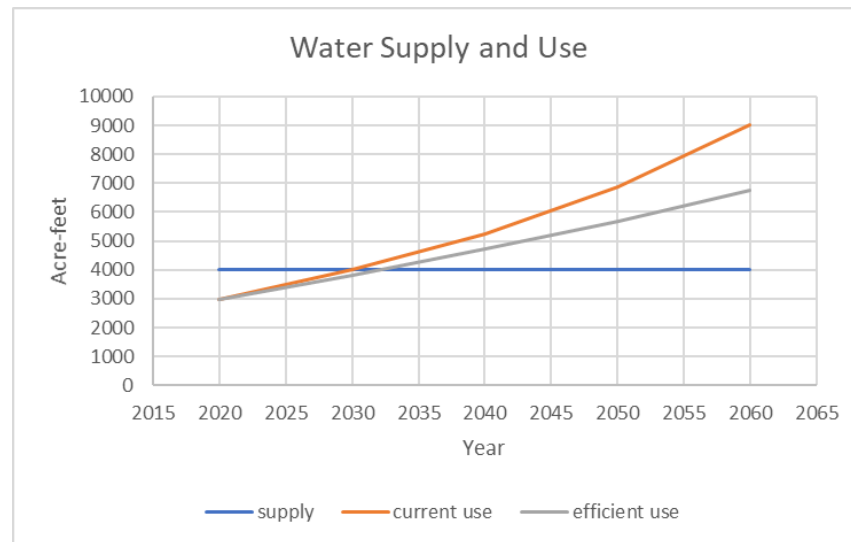


Figure 4-3
Nephi City Water Supply and Use

4.4 Water Usage

Table 4-4 summarizes the 2020 water usage in Nephi City by classification and usage in gallons per capita per day (gpcd). (The gpcd is based on a population of 6,645 and is calculated by dividing this number into the total usage and again dividing by 365 days.) As of 2020 our water usage was 181 gpcd for residential and 399 gpcd total. It should be noted there is a significant amount of water in Nephi City that is used for industrial and commercial use that largely benefits a population outside of Nephi City. However, the amount of commercial and industrial water usage will continue to impact the city's gpcd.

Table 4-4
2020 Water Usage by Classification (gpcd)

	Culinary	Secondary	Total
Residential	181	0	181
Commercial	42	0	42
Industrial	20	0	20
Institutional	48	108	156
Total	291	108	399

As can be seen in Figure 4-4 the city has data for both culinary and secondary water usage for the last four years. Before that time there is no data for secondary water available. It should also be noted that there was no data available for culinary water from 2010 to 2014. Since data for both culinary and secondary has been available four years ago the gpcd has risen almost every year.

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WATER MANAGEMENT AND CONSERVATION PLAN UPDATE – 2020

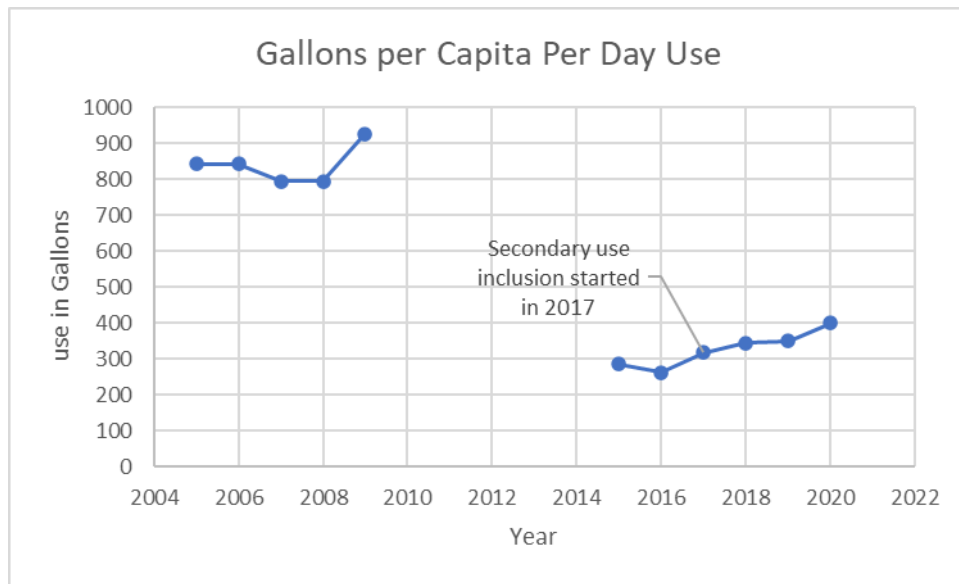


Figure 4-4
Nephi GPCD Efficiency Progress From 2005-2020

4.5 Culinary Water Rate Structure

Nephi City's current culinary water rate structure is provided in Table 4-5 below.

Table 4-5
Nephi City Culinary Water Rate Schedule

Base Rate		
Meter Type	Meter Size	Base Rate/Meter Size
Residential	1" Meter (residential)	\$ 24.11
Commercial and Industrial	1.5" Meter	\$ 48.55
	2" Meter	\$ 77.66
	3" Meter	\$ 155.33
	4" Meter	\$ 242.70
	6" Meter	\$ 485.41
Overage Rate		
Tier	Gallons	Cost/Thousand Gallons
1	0-5,000	\$ 0.62
2	5,001-10,000	\$ 0.72
3	10,001-15,000	\$ 0.82
4	15,001-20,000	\$ 0.93
5	20,001-50,000	\$ 1.03
6	50,001-1,000,000	\$ 1.13
7	1,000,001-5,000,000	\$ 0.52
8	> 5,000,000	\$ 0.62

5.0 WATER PROBLEMS, CONSERVATION GOALS, AND SOLUTIONS

5.1 Problems Identified

- Currently Nephi City is using 337 gallons of water per capita per day for its residential and park watering. The commercial and industrial water usage pushes the overall number to 399 gallons of water per capita per day. Water conservation by all classification of users will certainly help reduce the overall per capita usage.
- Although education efforts have been made through periodic mailing of conservation information and a tiered rate structure, the general public may lack an understanding of landscaping water requirements and efficient water use habits and practices. Water users may not know how much water is required to maintain healthy landscaped areas and how to, consistently, use water efficiently outdoors. Most water use practices, whether for indoor use or irrigation are often based on convenience rather than plant needs and water supply considerations.
- Efficiency of water use practices on City-owned property could also be improved.

5.2 Conservation Goals and Solutions

In light of the problems identified above, the following conservation goal is set. Nephi City will make efforts to reduce its residential and park per capita water usage by 10% over the next 20 years and 25% over the next 40 years. This goal will be measured on a 5 year basis. A 25% reduction in per capita water usage would reduce the projected acre feet of water needed in 2060 from 11,944 ac-ft down to 9,023 ac-ft. In order to meet its goal, the City will;

1. Continue the ongoing public education program. Nephi City will support state and local water education programs in local schools. It is expected that as time passes young adult citizens that have been continuously exposed to statewide “Slow the Flow” advertising during their youth will be more aware of the need to conserve water, and act accordingly.

Nephi City will also continue to send inexpensive periodic public education flyers. It is believed that if people are continuously exposed to water conservation messages, they will improve their water conservation habits.

2. Maintain a financially stable water system with conservation in mind. Continue to monitor and track the rates charged to ensure that the City’s system is operated responsibly. The City has adopted overage tiers for all connections in an effort to discourage excessive use.
3. Plan system improvements with conservation in mind. New system improvements undertaken by Nephi City should be looked at from a conservation standpoint and whether or not the improvements will encourage conservation.

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4. Continue efforts to improve City property irrigation efficiency. Improved irrigation practices and water efficient landscapes can enhance the beauty of the City. When landscapes are upgraded, the City will make an effort to make them more water efficient. This will set an example of conservation for citizens, and reduce the total amount of water used by the City.
5. Commercial and Industrial Water Conservation. The City will also continue to monitor conservation from the commercial and industrial connections in the future. The City Water Conservation Coordinator will monitor water usage by the biggest customers and meet with them to discuss any water conservation actions that can be implemented. It is important to bear in mind that the City's General Plan is to continue to promote commercial and industrial growth into the future. The City will be careful not to discourage commercial and industrial growth based solely on the impact that it might have to the per capita water usage.
6. Monitor use patterns to detect leaks. Nephi City uses triggers in its billing software that automatically alert staff personnel when current use exceeds previous trends and average use. The City will continue this effort and work to enhance its effectiveness as software is upgraded.
7. Refine and enforce ordinances that prohibit general waste of water and set time of day watering restrictions. General waste of water is any practice that allows the water to run in one place over an extended period of time. Use of water for irrigation during the hottest parts of the day is restricted during hours determined by the City Council. Penalties for violations are established by the Council in line with State guidelines. (See Appendix D for current City Codes/Ordinances)
8. Establish emergency water conservation contingency plans. The water conservation contingency plan for implementation due to severe drought or other system supply shortages is outlined in section 6.0 Culinary Water Conservation Contingency Plan.
9. Water Rates. In the event that educational conservation measures do not reduce the amount of water used, the overage rates have been established in a tiered fashion that helps to encourage conservation.
10. Water Conservation Coordinator. The designated Water Conservation Coordinator for Nephi City will be the Water Department Superintendent.

5.3 Education Program Information

The following information on efficient outdoor and indoor water use is available to the citizens of Nephi at the office and will be disseminated periodically as a one-page conservation mailing (See Appendix E).

Efficient Outdoor Water Use:

- Water landscape only as much as required by the type of landscape, and the specific weather patterns of your area, including cutting back on watering times in the spring and fall.

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- Do not water during daylight hours on hot, sunny, and/or windy days. You may actually end up doing more harm than good to your landscape, as well as wasting a significant amount of water.
- Sweep sidewalks and driveways instead of using the hose to clean them off.
- Wash your car from a bucket of soapy (biodegradable) water and rinse while parked on or near the grass or landscape so that all the water running off goes to beneficial use instead of running down the gutter to waste.
- Check for and repair leaks in all pipes, hoses, faucets, couplings, valves, etc. Verify there are no leaks by turning everything off and checking your water meter to see if it is still running. Some underground leaks may not be visible due to draining off into gravel zones, or traveling outside your property.
- Use mulch around trees and shrubs, as well as in your garden, to retain as much moisture as possible. Areas with drip systems will use much less water, particularly during hot, dry, and windy conditions.
- Keep your lawn well-trimmed and all other landscaped areas free of weeds to reduce overall water needs of your yard.

Efficient Indoor Water Use:

- About two-thirds of the total water used in a household is used in the bathroom. Concentrate on reducing your bathroom water use. Following are suggestions for this specific area:
 - Do not use your toilet as a wastebasket. Put all tissues, wrappers, diapers, cigarette butts, etc. in the trashcan.
 - Check the toilet for leaks. Is the water level in the tank too high? Put a few drops of food coloring in the tank. If the bowl water becomes colored without flushing, there is a leak.
 - If you do not have a low volume flush toilet, put a plastic bottle full of sand and water in the tank to reduce the amount of water used per flush. However, be careful not to conserve to the point of having to flush twice to make the toilet work. Also, be sure the containers used do not interfere with the flushing mechanism.

6.0 CULINARY WATER CONSERVATION CONTINGENCY PLAN

The following water conservation contingency plan is adopted as part of this plan:

Level 1 – Normal Years – In this condition there is currently plenty of culinary water available for normal purposes.

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- Eliminate landscape watering between the hours of 10 am and 6 pm.
- Encourage voluntary public water conservation measures.
- Mail information on conservation measures, which can be used outside as well as inside.

Level 2 - 75% of Normal Required Supply – In this condition, it is difficult to keep the water tanks full during the daylight hours if people are using culinary water for outdoor purposes.

- Reduce or eliminate watering of City property.
- Educate the public about the water supply shortage and request cooperation using local public service radio announcements and local newspapers.
- Enact emergency rate increase to all overage tiers.
- Enact mandatory public conservation measures.
- Enforce outside watering restrictions, including watering times and quantities.

Level 3 - 50% or Less of Normal Required Supply – In this condition, it is difficult to maintain tank levels during the full 24-hour day.

- Warn the public about water supply shortage and request continued cooperation using local public service radio announcements, local newspapers advertisements, and posted public flyers.
- Enact emergency rate increase to significantly increase all overage tiers.
- Strictly enforce all conservation policies with stiff fines for non-compliance.
- Physically restrict water supplies to (in order of priority):
 1. All outside irrigation systems.
 2. Parks and other non-essential support facilities.
 3. Commercial users, restricting the largest, non-animal life-support users first.
 4. Residential areas
 5. Commercial animal life-support users.
 6. Any other non-life-support areas, insuring water supplies to hospitals, hospices, and all other health care facilities, and other health and safety facilities.

7.0 IMPLEMENTATION OF WATER CONSERVATION PLAN

This water conservation plan shall be adopted by the Nephi City Council. A water conservation committee shall be established for Nephi City, and the committee membership shall be appointed by the City Council. The water conservation committee shall have responsibility to coordinate the water conservation program goals for the City, to coordinate and enhance the education program, and to make quarterly reports to the Council. All committee members, council members, City staff, and members of the general public have the duty and responsibility to report general waste of water and to conserve water wherever possible.

As stated in section 5.2 above, the City will set a goal to conserve 10% over the next 20 years and 25% over the next 50 years.

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8.0 PERIODIC EVALUATION

This Water Management and Conservation Plan shall be updated and resubmitted to the Division of Water Resources as required to meet changing needs or in 2015 in accordance with the requirements of State Law. The ordaining ordinance is attached as Appendix E.

APPENDIX A

POPULATION AND CONNECTION DATA

Appendix A - Population and Connection Data

Population Data:

Census Year	Census Data		
1970	2699	Growth Rate from 1970 to 1980	2.21%
1980	3285	Growth Rate from 1980 to 1990	0.75%
1990	3515	Growth Rate from 1990 to 2000	3.36%
2000	4733	Growth Rate from 2000 to 2010	2.44%
2010	5879	Growth Rate from 2010 to 2020	1.23%
2020	6645	Growth Rate from 1970 to 2020	1.82%

Population Growth Rate Used for Planning

Residential	2.75%
Commercial	2.00%
Industrial	5.00%
2020 Estimated Population	6645
2020 Connections	2466

Year	Population	Connection Projections				ERC Projections			
		Est. Res. Conn.	Est. Com. Conn.	Est. Ind. Conn.	Est. Total Conn.	Est. Res. Conn.	Est. Com. Conn.	Est. Ind. Conn.	Est. Total Conn.
2020	6645	2241	151	2	2394	2241	463	834	3538
2021	6828	2303	154	2	2459	2303	472	876	3651
2022	7016	2366	157	2	2525	2366	482	919	3767
2023	7208	2431	160	2	2594	2431	491	965	3888
2024	7407	2498	163	2	2664	2498	501	1014	4013
2025	7610	2567	167	3	2736	2567	511	1064	4142
2026	7820	2637	170	3	2810	2637	522	1118	4276
2027	8035	2710	173	3	2886	2710	532	1174	4415
2028	8256	2784	177	3	2964	2784	543	1232	4559
2029	8483	2861	180	3	3044	2861	553	1294	4708
2030	8716	2939	184	3	3127	2939	565	1358	4862
2031	8956	3020	188	3	3211	3020	576	1426	5022
2032	9202	3103	192	4	3298	3103	587	1498	5188
2033	9455	3189	195	4	3388	3189	599	1573	5360
2034	9715	3276	199	4	3480	3276	611	1651	5539
2035	9982	3366	203	4	3574	3366	623	1734	5724
2036	10257	3459	207	4	3671	3459	636	1821	5915
2037	10539	3554	211	5	3770	3554	648	1912	6114
2038	10828	3652	216	5	3872	3652	661	2007	6320
2039	11126	3752	220	5	3977	3752	675	2107	6534
2040	11432	3855	224	5	4085	3855	688	2213	6756
2041	11747	3962	229	6	4196	3962	702	2323	6987
2042	12070	4070	233	6	4310	4070	716	2440	7226
2043	12402	4182	238	6	4427	4182	730	2562	7474
2044	12743	4297	243	6	4547	4297	745	2690	7732
2045	13093	4416	248	7	4670	4416	760	2824	8000
2046	13453	4537	253	7	4797	4537	775	2965	8277
2047	13823	4662	258	7	4927	4662	790	3114	8566
2048	14203	4790	263	8	5061	4790	806	3269	8866
2049	14594	4922	268	8	5198	4922	822	3433	9177
2050	14995	5057	274	9	5339	5057	839	3604	9500
2051	15407	5196	279	9	5484	5196	856	3785	9836
2052	15831	5339	285	10	5633	5339	873	3974	10186
2053	16267	5486	290	10	5786	5486	890	4173	10549
2054	16714	5637	296	11	5943	5637	908	4381	10926
2055	17174	5792	302	11	6105	5792	926	4600	11318
2056	17646	5951	308	12	6271	5951	945	4830	11726
2057	18131	6115	314	12	6441	6115	964	5072	12150
2058	18630	6283	320	13	6616	6283	983	5325	12591
2059	19142	6456	327	13	6796	6456	1003	5592	13050
2060	19668	6633	333	14	6981	6633	1023	5871	13527
2061	20209	6815	340	15	7170	6815	1043	6165	14023

* Figures are rounded to the nearest whole number at projected annual rate of growth except for the 2004 population which is the Federal Census population

ERC Calculations

(1) 1 Residential Connection (400 Gal/Day)	=	12,000 Gal/Month	=	1 ERC
(2) 1 Commercial Connection - Winter/base use	=	36,789 Gal/Month	=	3.1 ERC
(3) 1 Industrial Connection - Year Round	=	5,000,000 Gal/Month	=	417 ERC

APPENDIX B

CURRENT AND PROJECTED WATER RIGHT DATA

Appendix B - Current Water Right Data

2. Water Rights

A. Existing Water Right

<u>W.R.</u>	<u>Source</u>		Amount of Right		
			ac-ft	cfs	gpm
53-00	Marsh Spring	=	562.42	0.78	348.42
53-2	Rowely's Spring	=	83	0.11	51.42
53-35	Monument Springs 1, 2, 3	=	488.68	0.67	302.74
53-53	Underground, Airport Well	=	57.92	0.08	35.88
53-63	Underground	=	2628.04	3.63	1628.07
53-64	Industrial Waste	=	200	0.28	123.90
53-65	Underground & Bradley Spring	=	4343.87	6.00	2691.03
53-80	Bradley Spring Water	=	1092.48	1.51	676.79
53-87	Underground	=	3062.42	4.23	1897.17
53-88	Underground	=	3663.33	5.06	2269.43
53-1516	Underground	=	839.82	1.16	520.27
		Total	=	17,021.98	23.50 10,545.12

B. Existing Required Water Rights

Residential Use:

Indoor

$$2241 \text{ ERC's X } \frac{400 \text{ gallons X } 365 \text{ days X } 1 \text{ ac-ft}}{\text{ERC day } 1 \text{ year } 325851 \text{ gallons}} = 1,004 \text{ ac-ft}$$

Outdoor

$$1541 \text{ ERC's X } \frac{1 \text{ irr. Acre X } 1.87 \text{ ac-ft/yr X } 1 \text{ eff.}}{5 \text{ Conn.'s irr.-acre/year } 0.7} = 823 \text{ ac-ft}$$

Commercial Use:

$$463 \text{ ERC's X } \frac{400 \text{ gallons X } 365 \text{ days X } 1 \text{ ac-ft}}{\text{ERC day } 1 \text{ year } 325851 \text{ gallons}} = 207 \text{ ac-ft}$$

Commercial Outdoor:

$$463 \text{ ERC's X } \frac{46200 \text{ gallons X } 6 \text{ months X } 1 \text{ ac-ft}}{\text{ERC month } 1 \text{ year } 325851 \text{ gallons}} = 394 \text{ ac-ft}$$

Industrial Use:

$$834 \text{ ERC's X } \frac{400 \text{ gallons X } 365 \text{ days X } 1 \text{ ac-ft}}{\text{ERC day } 1 \text{ year } 325851 \text{ gallons}} = 374 \text{ ac-ft}$$

Parks and Cemetery Use:

$$\frac{40 \text{ irr. Acre X } 2.47 \text{ ac-ft/yr X } 1 \text{ eff.}}{\text{irr.-acre/year } 0.7} = 141 \text{ ac-ft}$$

Golf Course Use:

$$\frac{53 \text{ irr. Acre X } 4.1 \text{ ac-ft/yr X } 1 \text{ eff.}}{\text{irr.-acre/year } 0.7} = 310 \text{ ac-ft}$$

Leased Water to Irrigation Company:

$$= 1,057 \text{ ac-ft}$$

Total Required Water Right

$$4,311 \text{ ac-ft}$$

Estimated Existing Water Right Surplus

$$12,711 \text{ ac-ft}$$

Note: 1/5 Acre = Assumed average irrigated acre per lot with a 70% sprinkler efficiency.

Note: The number of existing ERCs for outdoor use is approximately 700 irrigation customers

Note: The rate 2.47 ac-ft/yr is assumed for Parks and Cemetery. The same rate is the actual usage for the Golf Course, based on usage data.

Appendix B - 20 Year Projected Water Right Data

2. Water Rights

A. Existing Water Right

W.R.	Source		Amount of Right		
			ac-ft	cfs	gpm
53-00	Marsh Spring	=	562.42	0.78	348.42
53-2	Rowely's Spring	=	83	0.11	51.42
53-35	Monument Springs 1, 2, 3	=	488.68	0.67	302.74
53-53	Underground, Airport Well	=	57.92	0.08	35.88
53-63	Underground	=	2628.04	3.63	1628.07
53-64	Industrial Waste	=	200	0.28	123.90
53-65	Underground & Bradley Spring	=	4343.87	6.00	2691.03
53-80	Bradley Spring Water	=	1092.48	1.51	676.79
53-87	Underground	=	3062.42	4.23	1897.17
53-88	Underground	=	3663.33	5.06	2269.43
53-1516	Underground	=	839.82	1.16	520.27
		Total	=	17,021.98	23.50 10,545.12

B. Existing Required Water Rights

Residential Use:

Indoor

3855 ERC's X	400 gallons X	365 days X	1 ac-ft	=	1,727 ac-ft
			ERC day	1 year	325851 gallons

Outdoor

3155 ERC's X	1 irr. Acre X	1.87 ac-ft/yr X	1 eff.	=	1,686 ac-ft
			5 Conn.'s irr.-acre/year	0.7	

Commercial Use:

688 ERC's X	400 gallons X	365 days X	1 ac-ft	=	308 ac-ft
			ERC day	1 year	325851 gallons

Commercial Outdoor:

688 ERC's X	46200 gallons X	6 months X	1 ac-ft	=	585 ac-ft
			ERC month	1 year	325851 gallons

Industrial Use:

2213 ERC's X	400 gallons X	365 days X	1 ac-ft	=	991 ac-ft
			ERC day	1 year	325851 gallons

Parks and Cemetery Use:

65 irr. Acre X	2.47 ac-ft/yr X	1 eff.	=	229 ac-ft
		irr.-acre/year	0.7	

Golf Course Use:

60 irr. Acre X	4.1 ac-ft/yr X	1 eff.	=	351 ac-ft
		irr.-acre/year	0.7	

Leased Water to Irrigation Company:

= 1,057 ac-ft

Total Required Water Right

6,936 ac-ft

Estimated Existing Water Right Surplus

10,086 ac-ft

Note: 1/5 Acre = Assumed average irrigated acre per lot with a 70% sprinkler efficiency.

Note: The number of existing ERCs for outdoor use is approximately 700 irrigation customers

Note: The rate 2.47 ac-ft/yr is assumed for Parks and Cemetery. The same rate is the actual usage for the Golf Course, based on usage data.

Appendix B - 40 Year Projected Water Right Data

2. Water Rights

A. Existing Water Right

<u>W.R.</u>	<u>Source</u>		Amount of Right		
			ac-ft	cfs	gpm
53-00	Marsh Spring	=	562.42	0.78	348.42
53-2	Rowely's Spring	=	83	0.11	51.42
53-35	Monument Springs 1, 2, 3	=	488.68	0.67	302.74
53-53	Underground, Airport Well	=	57.92	0.08	35.88
53-63	Underground	=	2628.04	3.63	1628.07
53-64	Industrial Waste	=	200	0.28	123.90
53-65	Underground & Bradley Spring	=	4343.87	6.00	2691.03
53-80	Bradley Spring Water	=	1092.48	1.51	676.79
53-87	Underground	=	3062.42	4.23	1897.17
53-88	Underground	=	3663.33	5.06	2269.43
53-1516	Underground	=	839.82	1.16	520.27
		Total	=	17,021.98	23.50 10,545.12

B. Existing Required Water Rights

Residential Use:

Indoor

$$6633 \text{ ERC's X } \frac{400 \text{ gallons X } 365 \text{ days X } 1 \text{ ac-ft}}{\text{ERC day } 1 \text{ year } 325851 \text{ gallons}} = 2,972 \text{ ac-ft}$$

Outdoor

$$5933 \text{ ERC's X } \frac{1 \text{ irr. Acre X } 1.87 \text{ ac-ft/yr X } 1 \text{ eff.}}{5 \text{ Conn.'s irr.-acre/year } 0.7} = 3,170 \text{ ac-ft}$$

Commercial Use:

$$1023 \text{ ERC's X } \frac{400 \text{ gallons X } 365 \text{ days X } 1 \text{ ac-ft}}{\text{ERC day } 1 \text{ year } 325851 \text{ gallons}} = 458 \text{ ac-ft}$$

Commercial Outdoor:

$$1023 \text{ ERC's X } \frac{46200 \text{ gallons X } 6 \text{ months X } 1 \text{ ac-ft}}{\text{ERC month } 1 \text{ year } 325851 \text{ gallons}} = 870 \text{ ac-ft}$$

Industrial Use:

$$5871 \text{ ERC's X } \frac{400 \text{ gallons X } 365 \text{ days X } 1 \text{ ac-ft}}{\text{ERC day } 1 \text{ year } 325851 \text{ gallons}} = 2,631 \text{ ac-ft}$$

Parks and Cemetery Use:

$$\frac{90 \text{ irr. Acre X } 2.47 \text{ ac-ft/yr X } 1 \text{ eff.}}{\text{irr.-acre/year } 0.7} = 318 \text{ ac-ft}$$

Golf Course Use:

$$\frac{80 \text{ irr. Acre X } 4.1 \text{ ac-ft/yr X } 1 \text{ eff.}}{\text{irr.-acre/year } 0.7} = 469 \text{ ac-ft}$$

Leased Water to Irrigation Company:

$$= 1,057 \text{ ac-ft}$$

Total Required Water Right

11,944 ac-ft

Estimated Existing Water Right Surplus

5,078 ac-ft

Note: 1/5 Acre = Assumed average irrigated acre per lot with a 70% sprinkler efficiency.

Note: The number of existing ERCs for outdoor use is approximately 700 irrigation customers

Note: The rate 2.47 ac-ft/yr is assumed for Parks and Cemetery. The same rate is the actual usage for the Golf Course, based on usage data.

APPENDIX C

CULINARY WATER USAGE

Appendix C - Culinary Water Usage

Current Year Metered Water Data - Nephi City	
Classification	Total
Residential Use	439,719,363
Commercial Use	101,493,986
Industrial Use	48,889,250
Institutional Use	115,817,651
Totals	705,920,250

Residential Irrigation Estimated:

$$\begin{array}{rclclclcl}
 700 \text{ ERC's X} & & 1 \text{ irr. Acre X} & 1.87 \text{ ac-ft/yr X} & 1 \text{ eff.} & = & 374 \text{ ac-ft} & = & 121,868,274 \text{ gallons} \\
 & & 5 \text{ Conn.'s irr.-acre/year} & & 0.7 & & & &
 \end{array}$$

Parks and Cemetery Estimated:

$$\begin{array}{rclclclcl}
 & & 40 \text{ irr. Acre X} & 2.47 \text{ ac-ft/yr X} & 1 \text{ eff.} & = & 141 \text{ ac-ft} & = & 45,991,541 \text{ gallons} \\
 & & \text{irr.-acre/year} & & 0.7 & & & &
 \end{array}$$

APPENDIX D

NEPHI CITY WATER CODES/ORDINANCES

Section 8-1-17: WASTE OF WATER

8-1A-2: PROHIBITED HOURS SPECIFIED

8-1-17: WASTE OF WATER:

- A. Prohibited Acts: It shall be unlawful for any water user to:
1. Waste water.
 2. Allow it to be wasted by stops, taps, valves, leaky joints or pipes, or to allow tanks or watering troughs to leak or overflow.
 3. Wastefully run water from hydrants, faucets or stops, or through basins, water closets, urinals, sinks or other apparatus.
 4. Use the water for purposes other than for those which he has applied, or to use water in violation of the rules and regulations for controlling the water supply. (1979 Code § 14-128)
- B. Refer to City Council: Users of water from the city water system shall not permit water to continue to run wastefully and without due efforts to conserve water. If, in the judgment of the superintendent, or of any of the officers of the city, a user of city water engages in practices which result in the needless waste of water and continues to do so after reasonable notice to discontinue wastefulness has been given, the superintendent or any officer may refer the matter to the city council.
- C. Termination of Service; Meeting: The city council may thereupon consider terminating the right of the individual to use culinary water. If it elects to consider the matter of termination, it shall give notice to the water user of the intention to terminate his water connection at least five (5) days prior to the meeting of the city council at which termination of water service is to be considered. The notice shall inform him of the time and place of the meeting and the charges which led to the consideration of the termination.
- D. Appearance by Water User: A water user whose right to utilize city water is being reviewed shall have opportunity to appear with or without counsel and present the reasons why his water service should not be discontinued.
- E. Determination: After due hearing, the city council may arrive at a determination. If the determination is to discontinue the wasteful water user's service connection, the city council shall notify him of the decision and of the period during which the service will remain discontinued. (1979 Code § 14-135)

8-1A-2: PROHIBITED HOURS SPECIFIED:

Sprinkler irrigation of public or private land and plants with water from the city pressurized secondary water system and the city culinary water is prohibited between the hours of ten o'clock (10:00) A.M. and six o'clock (6:00) P.M. (Ord. 5-7-02, 5-7-2002, eff. 5-20-2002)

APPENDIX E

NEPHI CITY WATER CONSERVATION MESSAGE

NEPHI CITY WATER CONSERVATION MESSAGE

EFFICIENT OUTDOOR WATER USE:

- Water landscape only as much as required by the type of landscape, and the specific weather patterns of our area, including cutting back on watering times in the spring and fall.
- Do not water on hot, sunny, and/or windy days. You may actually end up doing more harm than good to your landscape, as well as wasting a significant amount of water.
- Sweep sidewalks and driveways instead of using the hose to clean them off.
- Wash your car from a bucket of soapy (biodegradable) water and rinse while parked on or near the grass or landscape so that all the water running off goes to beneficial use instead of running to waste.
- Check for and repair leaks in all pipes, hoses, faucets, couplings, valves, etc. Verify there are no leaks by turning everything off and checking your water meter to see if it is still running. Some underground leaks may not be visible on the surface.
- Use mulch around trees and shrubs, as well as in your garden to retain as much moisture as possible. Where practical, areas with drip systems will use much less water, particularly during hot, dry and windy conditions.
- Keep your lawn well-trimmed and all other landscaped areas free of weeds to reduce overall water needs of your yard.

EFFICIENT INDOOR WATER USE:

- About two-thirds of the total water used in a household is used in the bathroom. Concentrate on reducing your bathroom use. Following are suggestions for this specific area:
- Do not use your toilet as a wastebasket. Put all tissues, wrappers, diapers, cigarette butts, etc. in the trashcan.
- Check the toilet for leaks. Is the water level too high? Put a few drops of food coloring in the tank. If the bowl water becomes colored without flushing, there is a leak.
- If you do not have a low volume flush toilet, put a plastic bottle full of sand and water to reduce the amount of water used per flush. However, be careful not to over conserve to the point of having to flush twice to make the toilet work. Also, be sure the containers used do not interfere with the flushing mechanism.

APPENDIX F

WATER MANAGEMENT AND CONSERVATION PLAN ORDAINING ORDINANCE

ORDINANCE NO. 01-18-22

**AN ORDINANCE AMENDING PROVISION OF THE NEPHI CITY MUNICIPAL CODE
PERTAINING TO THE ADOPTION OF A WATER CONSERVATION PLAN**

Section 1 - Preamble

A. WHEREAS, Nephi City operates a culinary water system; and

B. WHEREAS, the City Council understands the need to use water in a more efficient manner to allow for future sustained growth of the community.

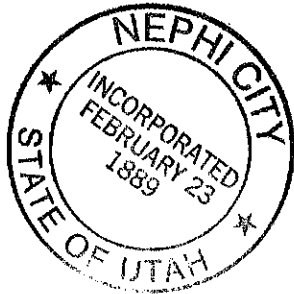
Section 2 - Ordaining Clause

NOW, THEREFORE, IT IS ORDAINED BY THE CITY COUNCIL OF NEPHI CITY,
UTAH:

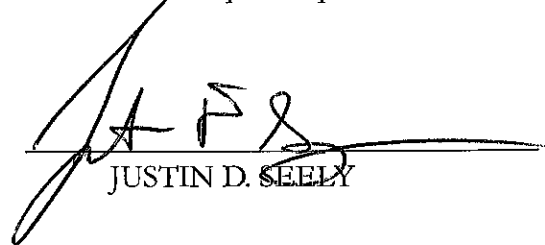
Section 8-1-21 of the Nephi City Municipal Code is hereby to read as follows:

Section 3 - Water Conservation Plan

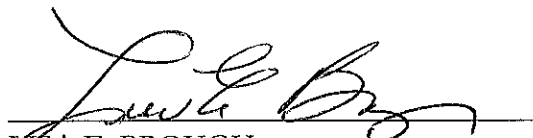
The Water Conservation Plan of Nephi City, adopted by motion of the Nephi City Council on the 17th day of November, 2015 and revised during the month of November, 2021 is hereby readopted effective this 18th day of January, 2022. The plan will be amended not less than every five years, or as required by the State of Utah, and will continue to play a vital role in the future development of Nephi City, Utah.



NEPHI CITY
A Municipal Corporation


JUSTIN D. SEELY

ATTEST:


LISA E. BROUGH
City Recorder

Entity: Nephi

Body: Nephi City Council

Subject:	Ordinances
Notice Title:	Notice of Ordinance
Meeting Location:	21 E 100 N Nephi UT 84648
Event Date & Time:	January 18, 2022 January 18, 2022 01:00 PM
Description/Agenda:	<p>The Nephi City Council adopted the following Ordinance on 1-18-2022 at the regular council meeting.</p> <p>ORDINANCE NO. 01-18-22</p> <p>AN ORDINANCE AMENDING PROVISION OF THE NEPHI CITY MUNICIPAL CODE PERTAINING TO THE ADOPTION OF A WATER CONSERVATION PLAN</p> <p>Section 1 - Preamble</p> <p>A. WHEREAS, Nephi City operates a culinary water system; and</p> <p>B. WHEREAS, the City Council understands the need to use water in a more efficient manner to allow for future sustained growth of the community.</p> <p>Section 2 - Ordaining Clause</p> <p>NOW, THEREFORE, IT IS ORDAINED BY THE CITY COUNCIL OF NEPHI CITY, UTAH:</p> <p>Section 8-1-21 of the Nephi City Municipal Code is hereby to read as follows:</p> <p>Section 3 - Water Conservation Plan</p> <p>The Water Conservation Plan of Nephi City, adopted by motion of the Nephi City Council on the 17th day of November, 2015 and revised during the month of November, 2021 is hereby readopted effective this 18th day of January, 2022. The plan will be amended not less than every five years, or as required by the State of Utah, and will continue to play a vital role in the future development of Nephi City, Utah.</p>

NEPHI CITY

A Municipal Corporation

JUSTIN D. SEELY**Notice of Special Accommodations:**

In compliance with the Americans with Disabilities Act, individuals needing special accommodations (including auxiliary communicative aids and services) during this meeting should notify Lisa Brough at 435-623-0822. RAMPS ARE AVAILABLE FOR USE ON THE NORTH ENTRANCE OF 21 EAST 100 NORTH

Notice of Electronic or telephone participation:

NA

Other information:**Contact Information:**

Lisa Brough
(435)623-0822
lisabrough@nephi.utah.gov

Posted on:

January 24, 2022 08:46 AM

Last edited on:

January 24, 2022 08:46 AM

Printed from Utah's Public Notice Website (<http://pmn.utah.gov/>)

Entity: Nephi

Body: Nephi City Council

Subject:	Public Meetings
Notice Title:	Nephi City Council Agenda
Meeting Location:	21 East 100 North Nephi UT 84648
Event Date & Time:	January 18, 2022 January 18, 2022 07:00 PM
Description/Agenda:	Welcome to City Council Meeting Prayer Pledge of Allegiance City Council Vacancy Selection Oath of Office 'Know your Force' Presentation Consent Agenda Approval of Minutes - Regular Meeting 1-4-22 Work Session 1-11-22 Approval of Claims Burial Rights Approval of Business Licenses Public Comment Planning Items: Cedar Ridge Phases 2 & 3 Appointment of Gale Bryan as City Treasurer Resolution 01-18-2022 - PTIF Authorization Resolution 01-18-22-A - Parameters Resolution - Sales Tax Bond Set date for Bond Public Hearing Ordinance 01-18-2022 - Water Conservation Plan Adoption Water Management and Conservation Plan Administration Updates

City Council Updates

Motion to convene into Executive Session -
Discussion of the character and competence of an
individual, collective bargaining, litigation, real
property, water shares, security systems, investigative
proceedings, deliberations, information regarding trade
secrets, procurement process.

Work Session Items
Hiring Committee-Office Specialist
Police Staffing
Miscellaneous Topics

Adjourn

Notice of Special Accommodations:	In compliance with the Americans with Disabilities Act, individuals needing special accommodations (including auxiliary communicative aids and services) during this meeting should notify Lisa Brough at 435-623-0822. RAMPS ARE AVAILABLE FOR USE ON THE NORTH ENTRANCE OF 21 EAST 100 NORTH
Notice of Electronic or telephone participation:	NA
Other information:	
Contact Information:	Lisa Brough (435)623-0822 lisabrough@nephi.utah.gov
Posted on:	January 17, 2022 02:26 PM
Last edited on:	January 17, 2022 02:46 PM

Printed from Utah's Public Notice Website (<http://pmn.utah.gov/>)

NEPHI CITY
COUNCIL MEETING MINUTES
January 18, 2022

The Nephi City Council met in regular session in the council chambers of city hall located at 21 East 100 North at 7:00 p.m. Tuesday, January 18, 2022.

Those present were:

Mayor	Justin D. Seely
Council Member	Nathan Memmott
Council Member	Larry Ostler
Council Member	Jeramie Callaway
Council Member	Skip Worwood
Council Member	John D. Parady
City Administrator	Seth Atkinson
City Attorney	Kasey L. Wright
City Recorder	Lisa E. Brough

Guests: Myrna Trauntvein (Press), Donald W. Ball, Shirl Nichols, Dianne Nichols, Cory Thomson, Alicia Thomson, John Ford, Carolyn Ford, Blaine Malquist, Michael Morgan, Shari Cowan, John Bradley, Brent Arns, Jeanne Lewis, Robert Painter, April Parady, Amanda Livingston, Cathy Adams, James Adams, Gale Bryan, RJ Bryan, Terry Cook, Johathan Jimenez, Scott Lowry, Jace Peterson, Clint Painter, Ruth Bonzo.

Mayor Justin Seely opened the meeting and welcomed all present.

PRAYER: Councilor Jeramie Callaway

PLEDGE OF ALLEGIANCE: Amanda Livingston, Owner of Livingston Photography

JOHN D. PARADY APPOINTED TO THE CITY COUNCIL:

Mayor Justin Seely reviewed with those present the procedure of selecting the new council member. He said that each councilor will write the name of the person they wanted to fill the vacancy on a piece of paper and then he would read them aloud. If there happened to be a tie, he would break the tie. City Attorney Kasey Wright gave some clarification of the law that stated there needed to be a majority vote of three votes.

Mayor Seely asked the council if they would like to make any remarks before the vote. Councilor Ostler thanked all the people that applied for the council position. He said any one o the applicants could do a great job. Councilor Worwood hoped that each of the applicants would stay involved in city government. Councilor Memmott mentioned how impressed he was with all the volunteerism that is rendered in our community . Councilor Callaway commended all the applicants for serving and having the desire to volunteer in our community.

Each Councilor voted and before Mayor Seely read the vote he thanked all the applicants and encouraged each of them to consider running for council in the future and to keep volunteering in the community He then read a list of possible opportunities to serve in the community such as the planning commission, the library board, parade and Christmas event committees, recreation programs, election judges, Miss Nephi committee etc. Mayor Seely then read the votes aloud as follows:

Councilor Callaway:	JD Parady
Councilor Memmott:	JD Parady
Councilor Ostler:	JD Parady
Councilor Worwood	JD Parady

Mayor Seely officially appointed JD Parady as the new council member. City Recorder Lisa E. Brough administered the Oath of Office to Mr. Parady and he took his seat up front and Mr. Parady commented that many people had encouraged him to run for council and he had enjoyed attending the city council meetings the past few years and was thankful for the opportunity to serve.

KNOW YOUR FORCE PRESENTATION:

Scott Lowry and Jonathan Jimenez presented to the council a summary of their product, Know Your Force. They explained that Know Your Force helps connect police departments to their community. By using On-the -Stop surveys, frontline officers can gather and record immediate feedback from each citizen interaction. After a stop the patrol officer will hand the citizen a card with information to allow them to give feedback about the officer and their experience. Mr. Lowry handed out a flyer that showed community feedback that had been gathered already about several Nephi City police officers. The feedback was positive. The cost of the service will be \$1400.00 per year.

CONSENT AGENDA APPROVED:

Councilor Memmott moved to approve the consent agenda which included the approval of the minutes for the regular council meeting 1-4-22, work session held on 1-1-22, a list of claims on the warrant register dated 1-18-22. Councilor Ostler seconded the motion. The motion passed on a unanimous vote.

BUSINESS LICENSE APPROVED:

Councilor Worwood moved to approve the business license application for Laurel Grove Assisted Living (owner change) and Ruck Up Mechanics. Councilor Callaway seconded the motion. The motion passed on a unanimous vote.

City Recorder Lisa Brough remembered that there was another home occupation business license application that had been through the public hearing process by the Planning Commission and needed the approval of the council. Councilor Worwood moved to approve the business license for Britelite Teeth Whitening. Councilor Ostler seconded the motion. The motion passed on a unanimous vote.

NO PUBLIC COMMENT

CEDAR RIDGE PHASE 2 & 3 PLANNED UNIT DEVELOPMENT FINAL PLAT APPROVED:

Mr. Atkinson updated the council that in the spring of 2021, the Planning Commission approved the vicinity and preliminary design of the 2nd and 3rd phases of the Cedar Ridge development. At that time, the City Council entered into a development agreement with the owners which would allow for the development of infrastructure for phases 2 & 3 regardless of whether the owners finished the development before a deadline of September 30, 2022.

The owners of Cedar Ridge have now submitted plans for final approval of Phases 2 & 3 and appear to be able to meet the deadline from the development agreement. The latter phases have been reviewed by the staff to ensure that the requirements of the new Planned Unit Development code are met, while still maintaining the previous ordinance requirements, such as open space, applicable to Phase 1. From this review, requirements for parking, landscaping, setbacks, amenities, bonus density, open space, and infrastructure have been met. A final review was held last week by the Development Review Committee. Final adjustments were sent to the owner's engineer for corrections to be completed by last Friday.

The proposed development shows five (5) units for Plat B in the northwest corner of the development and then thirty-seven (37) lots for Plat C developing to the east and south portions of the property. The new phases will also contain amenities like a pickleball court, a pavilion, a playground, and RV parking. Additional visitor parking will be included as part of these additional phases. Mr. Atkinson added that there may be a reimbursement district for 600 South if the developer chooses to create one.

Councilor Memmott moved to approve the final plat for Phase 2 & 4 for the Cedar Ridge PUD. Councilor Callaway seconded the motion. The motion passed on a unanimous vote.

GALE BRYAN APPOINTED AS CITY TREASURER:

Due to the vacancy created by the resignation of Travis Worwood as Nephi City Treasurer, Mayor Seely announced his recommendation to appoint Gale Bryan as the new Nephi City Treasurer.

Councilor Worwood moved to approve the appointment. Councilor Ostler seconded the motion. The motion passed on a unanimous vote.

City Recorder Lisa Brough administered the Oath of Office to Gale Bryan. Ms. Bryan thanked the council for the opportunity to serve as Treasurer.

PTIF RESOLUTION 01-18-2022 ADOPTED:

Mr. Atkinson explained to the council the need to pass a resolution to add Gale Bryan as a user and to have access the PTIF accounts and to delete Travis Worwood from having access to the accounts. Councilor Memmott moved to adopt the Public Entity Resolution 01-18-2022. Councilor Worwood seconded the motion. The motion passed on a unanimous vote.

PARAMETER RESOLUTION 01-18-2022-A-SALES TAX REVENUE BONDS FOR THE HIVE PROJECT:

Mr. Atkinson reviewed with the council that on December 21st, the City Council passed a reimbursement resolution for a proposed sales tax bond that will provide funding for The Hive Recreation Center. The parameters resolution presented was designed to set limits on bond terms and allow for some market fluctuations. The terms in the parameter's resolution are "not to exceed" amounts and are not actual terms of the bond. In earlier meetings the staff had spoken about a separate resolution that would be considered later when the bond terms had been proposed by a financial institution. This separate resolution is incorporated in the proposed parameters resolution. One reason for this is to shorten the time frame on closing for the bond. Interest rates are showing an upward trend due to inflationary pressures. Shortening the time frame for a bond closing would decrease the risk of large interest rate changes.

The parameters resolution grants authority to a "pricing committee", consisting of the Mayor, the Mayor Pro Tem, and the City Administrator, to approve the final terms of the bond and close on the bond with no further City Council action. It also authorizes the Mayor and City Recorder to sign on those final bond terms once approved by the pricing committee.

The parameters are set at a not to exceed amount of \$3.5 million which will provide adequate capacity for a bond that staff believes would be approximately \$3.2 million. This final price would include the original amount that was pledged by the City Council, the gap funding to finish the project, and an amount for the purchase of the bishop's storehouse. In further discussions with the school district, they have indicated that they would like to purchase the bishop's storehouse for eventual classroom space. However, they would like to use the current issuance of the city's bond to minimize issuance costs for The Hive project. They have agreed to cover the additional cost of debt service for the purchase of the storehouse and allow the facility to be used for storage until classroom spaces are needed. Once that occurs, they have agreed to donate land near the Hive for the construction of a storage facility and to build the storage facility in an effort to achieve a balanced sharing of costs for the project. These terms will eventually be incorporated into the master agreement between the two agencies that will govern The Hive.

Another parameter set in the resolution is a not-to-exceed interest rate of 7%. Although this seems high based on current rates because the city will most likely use a bank placement for this bond, a longer-term approach will be needed when issuing this debt. Most banks do not lend beyond a 10–15-year period, at which time there is typically a refinancing for another term. Since the city will be looking for a 20-year term, there will most likely be a need for a re-pricing at the 10- or 15-year mark. By having a higher not-to-exceed interest rate, it may allow for a more attractive rate up front and signal that risk is reduced for the lender. If market rates were truly at the 7% mark in the future, the city would most likely refinance the remaining 5 years of the bond internally and would have a few years to prepare for this option.

Mr. Atkinson added that if the parameters resolution was adopted, a public hearing for the bond could be scheduled for February 15, 2022, and the bond closing could happen on March 1, 2022.

Councilor Memmott expressed his concern about moving forward without a master agreement with the school district. He said the arrangements are getting very complicated and that it is time for the agreement with the school district to be finalized.

Councilor Worwood moved to adopt the parameters resolution 1-18-2022-A. Councilor Ostler seconded the motion. The motion passed on a unanimous vote.

ORDINANCE 1-18-2022 WATER CONSERVATION PLAN ADOPTED:

Mr. Atkinson reviewed with the council that the state requires the city to modify its Water Conservation Plan every few years. He presented a copy of the plan for the council to review. Mr. Atkinson stated that demand for water is seasonal and that in the past the city's distribution system

couldn't keep up with demand in the summer months. The culinary water project that has just been completed has added 3 million gallons of water storage and now the city will be able to keep up with demand. The council discussed ways to educate the public about water conservation methods.

Councilor Ostler moved to adopt Ordinance 01-18-2022: AN ORDINANCE AMENDING PROVISION OF THE NEPI CITY MUNICIPAL CODE PERTINING TO THE ADOPTION OF A WATER CONSERVATION PLAN. Councilor Parady seconded the motion. The motion passed on a unanimous vote.

CITY ADMINISTRATOR AND CITY COUNCIL UPDATES:

Mayor Seely encouraged those present to continue coming to council meetings.

Councilor Ostler reported that the Miss Nephi Committee had held the first parent/contestant meeting and so far, only three girls were interested in participating.

Noting no need for an executive session, the council took a brief break and convened into the work session portion of the meeting.

WORK SESSION:

1. Mayor Seely asked who would be interested in sitting on the hiring committee for the Office Specialist II position. Councilor Ostler and Councilor Parady agreed to be on the hiring committee.
2. Chief of Police Morgan and Sergeant Jace Peterson addressed the council for the need of additional staffing for the police department. They reported that when fully staffed, the department can handle 24/hour coverage with 8 our shifts. A couple of officers have been unable to be available for full active duty due to medical reasons. They reported that it has become very difficult to cover the shifts and compounding the problem is that current personnel policies require employees to take extra hours during shifts as compensatory time that must be used up by April 1st of each year. Using accrued compensatory time is near impossible when the department is short-staffed. Mr. Atkinson suggested allowing the Chief to use \$38,000 in surplus finds from the current fiscal year for overtime shifts and funding reserve officers at a slightly higher rate of pay. Chief Morgan asked the council to be thinking about longer-term solutions to help with the staffing issues in the police department. The council agreed to allow the Chief to use the funds at his own discretion for a short-term solution.
3. Councilor Ostler moved to adjourn the meeting. Councilor Worwood seconded the motion. The motion passed on a unanimous vote.

Meeting adjourned at 9:20 p.m.

Justin D. Seely, Mayor

ATTEST:

Lisa E. Brough, City Recorder