

NOTICE AND AGENDA

Notice is hereby given that the City Council of the City of Santaquin will hold a City Council Meeting on Wednesday, February 03, 2016 in the Council Chambers, 45 West 100 South, at 6:30 pm.

1. **ROLL CALL**
2. **PLEDGE OF ALLEGIANCE**
3. **INVOCATION/INSPIRATIONAL THOUGHT**
4. **DECLARATION OF ANY CONFLICT OF INTEREST**
5. **CONSENT AGENDA**
 - a. Minutes:
 1. January 20, 2015
 - b. Bills:
 1. \$382,366.74
6. **PUBLIC FORUM, BID OPENINGS, AWARDS, AND APPOINTMENTS**

Public Forum is held to a 30-minute maximum with each speaker given no more than 5 minutes each. If more than 6 Speakers, time will be adjusted accordingly to meet the 30 minute requirement
7. **FORMAL PUBLIC HEARING**
8. **UNFINISHED BUSINESS**
9. **BUSINESS LICENSES**
10. **NEW BUSINESS**
 - a. Presentation by Mt. Nebo Water Agency – Brent Ventura – Horrocks Engineers
 - b. Discussion and Possible Action with Regard to New Public Works Building Change Order #2
11. **INTRODUCTIONS AND ADOPTION OF ORDINANCES AND RESOLUTIONS**
 - a. Resolution 02-01-2016 "A Resolution Modifying the Consolidated Fee Schedule"
12. **CONVENE OF THE COMMUNITY DEVELOPMENT BOARD**
13. **CONVENE OF THE SPECIAL SERVICE DISTRICT FOR ROADS MAINTENANCE**
14. **CONVENE OF THE LOCAL BUILDING AUTHORITY OF SANTAQUIN CITY**
15. **PETITIONS AND COMMUNICATIONS**
16. **WORK SESSION**
 - a. Continued Planning and Discussion Regarding The 2016-2017 Fiscal Year Budget
17. **REPORTS OF OFFICERS, STAFF, BOARDS, AND COMMITTEES**
 - a. City Manager Reeves
 - b. Assistant City Manager Marker
18. **REPORTS BY MAYOR AND COUNCIL MEMBERS**
 - a. Mayor Hunsaker
 - b. Council Members
19. **EXECUTIVE SESSION** (May be called to discuss the character, professional competence, or physical or mental health of an individual)
20. **EXECUTIVE SESSION** (May be called to discuss the pending or reasonably imminent litigation, and/or purchase, exchange, or lease of real property)
21. **ADJOURNMENT**

If you are planning to attend this Public Meeting and, due to a disability, need assistance in understanding or participating in the meeting, please notify the City ten or more hours in advance and we will, within reason, provide what assistance may be required.

CERTIFICATE OF MAILING/POSTING

The undersigned duly appointed City Recorder for the municipality of Santaquin City hereby certifies that a copy of the foregoing Notice and Agenda was e-mailed to the Payson Chronicle, Payson, UT, 84651, posted in 3 places; City Center, Post Office and Zions Bank as well as posted on the State of Utah's Public Website.

BY: 
Susan B. Farnsworth, City Recorder

® Amendment to the agenda

**MINUTES OF A CITY COUNCIL MEETING
HELD IN THE COUNCIL CHAMBERS
FEBRUARY 3, 2016**

The meeting was called to order by Mayor Kirk Hunsaker at 6:30 p.m. Council Members attending: Keith Broadhead, David Hathaway, Mandy Jeffs, Nick Miller and Marianne Stevenson.

Others present: City Manager Ben Reeves, Assistant City Manager Dennis Marker, Police Chief Rod Hurst, City Recorder Susan Farnsworth, Fire Chief Stephen Olson, City Treasurer Shannon Hoffmann, Police Officer Wes Robinson, Alison Bernards, Aaron Cook, Carter Cook, Tyler McMullin, Brian Draper, Carol Draper, Brian Draper, Karina Fischer, Lou Glamas, Chris Hansen, Cori Krukiewicz, Ryan Lind, William McMullin, Chris McMullin, Karen Mortensen, Kris Shields, Maurice Shields, Brenda Shupe, Hannah Trevort, Andrea Urban, Brent Ventura and other unidentified individuals.

PLEDGE OF ALLEGIANCE

Alison Bernards led the Pledge of Allegiance.

INVOCATION/INSPIRATIONAL THOUGHT

Karina Fischer offered an invocation.

DECLARATION OF ANY CONFLICT OF INTEREST

No conflict of interest was declared.

CONSENT AGENDA

Minutes:

January 20, 2016

Bills:

\$382,366.74

Council Member Miller made a motion to approve the Consent Agenda. Council Member Jeffs seconded the motion. The vote was as follows:

Council Member Broadhead	Aye
Council Member Hathaway	Aye
Council Member Jeffs	Aye
Council Member Miller	Aye
Council Member Stevenson	Aye

The vote to approve the consent agenda was unanimous.

PUBLIC FORUM, BID OPENINGS, AWARDS, AND APPOINTMENTS

Karina Fischer, the emergency room director at Mountain Star Hospital, introduced Kris Shields, the hospital's trauma coordinator. Ms. Shields related the events of December 8, 2015, when Carol Draper collapsed during a senior citizen activity. Several responders, using CPR and the AED defibrillator, were able to restart her heart. Ms. Shields said Ms. Draper is alive today due to quick thinkers and the response team. The hospital gave awards to William McMullin, Karl Draper, Alison Bernards, Cori Krukiewicz and Wes Robinson. Police Officer Robinson also received a 'Heart Saver Hero' award from the American Heart Association. Carol Draper expressed her gratitude to all those who had worked together on her behalf. Brian Draper, Carol's husband, also expressed his appreciation.

Public Forum, continued:

Anna Trevort addressed the Council. Ms. Trevort asked if the decision on whether to increase the Ms. Santaquin scholarship budget had been made, as an announcement could be made at the February 4 opening social. The budget has not yet been set, but council consensus indicated the increase, to \$2500 for Miss Santaquin, \$1500 for the first attendant and 1200 for the second attendant, would be made. Ms. Trevort said she would be able to determine the number of contestants after the opening social.

Recreation Coordinator Amy Johnson introduced Laurel Kase, the new events assistant. Ms. Kase said she had lived in Santaquin for two months and was excited to be able to plan and organize community events. Future plans include breakfast with the Easter Bunny, Orchard Days, bringing back the Light Parade and other events that have fallen through the cracks. Ms. Kase said she felt community events brought people together. Ms. Johnson said she would appreciate volunteer help with the breakfast, to be held March 26. The Council welcomed Ms. Kase to the City.

FORMAL PUBLIC HEARING

No Formal Public Hearings were scheduled.

UNFINISHED BUSINESS

No unfinished business was discussed

BUSINESS LICENSES

The following new business licenses were issued following all required applications and inspections:

- Power House Glass, Karen Henry, 315 East Main Street, Auto Glass repair
- Vivint Solar, Jacob Allred, Door to Door Solicitor for Solar Panels

NEW BUSINESS

Mt. Nebo Water Agency

Brent Ventura gave a joint electronic presentation regarding the Mt. Nebo Water Agency (see Attachment A) with Board Member Tyler Coon. Mr. Ventura said he is employed by Horrocks Engineers, who were hired to do phase one of a water study for the agency. Mr. Coon said the agency is less than two years old, and essentially served southern Utah County. As an interlocal agency, all members must be public entities. Their established mission is to protect and preserve water. Their first act was to initiate a water study, coalescing all past studies. Mr. Ventura praised the reuse of water in Santaquin through the waste water treatment facility. He said they had prepared the scope of work and anticipated costs for phase two of the water study.

Council Member Broadhead asked what the difference was between SUVMWA and this agency. Mr. Coon said a smaller group than SUVMWA was desired to initiate planning in a more effective way. Chris Hansen, a representative of the Central Utah Water Project (CUP), said SUVMWA still has a contractual obligation for water delivery to south Utah County. He said the CUP felt it was important to be part of the water agency, not trying to drive the ship but to help out. Mr. Coon said he was also meeting with Goshen and Genola to invite them to participate. This group was formed to do what SUVMWA is not able to.

Mt. Nebo Water Agency, continued:

Mr. Coon said the agency would like to get broader participation in phase 2, which they plan to begin in the spring, and invited the City to participate. He said there was an annual assessment for participation, with small fees for clerical staff, legal counsel and a financial advisor, as well as splitting the cost for projects. They estimated the cost to Santaquin for participating in phase 2 of the study would be between \$8,000 and \$15,000. He expressed his hope that in the future resources could be shared if one city came up short of water. A meeting of the agency will be held in the Salem City Offices on February 22, at 7:30 a.m.

Council Member Broadhead said SUVMWA had done the same study in the beginning. Mr. Ventura said this study will take the results further, creating a master plan for the area, with a capital facilities plan to get water from Point A to Point B. Council Member Broadhead said he would like to get City Engineer Norm Beagley's perspective on the study, as the City did not need to spend money on what was already known. After further discussion on SUVMWA, the CUP and the Mt. Nebo Water Agency funding and goals, including possible future interaction with the City, staff was directed to have Mr. Beagley look at the technical aspect, obtain information on actual costs to participate in the Mt. Nebo phase 2 study and provide a recommendation to the Council.

Public Works Building Change Order #2

Ben Reeves said during the Council retreat a discussion was held concerning providing footings for future expansion of office space in the new public works building, two additional offices and a bathroom in bay area. The contractor's estimated cost is \$53,898 dollars, with a 21 day extension. This item was temporarily tabled while Mr. Reeves contacted Mr. Beagley regarding a question on the cost for the architectural work.

INTRODUCTIONS AND ADOPTION OF ORDINANCES AND RESOLUTIONS

Resolution 02-01-2016 "A Resolution Modifying the Consolidated Fee Schedule"

Ben Reeves said some concerns had been expressed by citizens on the \$50 fee for opting out of the recycling program. The cost in employee time for the opt-outs is minimal. Employees collect the data, schedule with Republic Services to pick up the can, and when they are notified the can is picked up, the billing is changed. Republic charges the customer \$75 if the can is missing. The higher the participation in the program, the lower the cost for everyone, so the City would like to encourage customers to use the recycling program.

Mayor Hunsaker said the idea of the fee was to incentivize customers to stay in the program. Mr. Reeves said some residents complained they did not have a chance to opt-out in the beginning, and the Council determined there should be an opt-out period every year. The City sent out schedule magnets to all recycling customers with a notice about the opt-out period. If enough customers drop out, it will increase the cost for everyone else. Approximately 50% of new customers choose to take part in the recycling, so the number of customers in the program is staying about the same. Ms. Hoffman said new utility customers were less likely to sign up when told about the \$50 opt out fee.

Tipping fees were discussed. Mr. Reeves said he will have the figures on the tipping fee reduction for the next Council meeting. The City is not earning anything on the recyclables, but tipping fees have been reduced.

Resolution 02-01-2016, continued:

Additional fees were discussed, including charging more for a second can and charging a City fee if the recycling can was missing. Council Member Miller asked if the opt-out period would ever be done away with. Mr. Reeves said it was advantageous for citizens to know they could opt-out if they wanted to. Council Member Broadhead suggested that a log be kept of letters to the City.

Council Member Miller made a motion to adopt Resolution 02-01-2016, "A Resolution Modifying the Consolidated Fee Schedule" and directed staff to post the information on the website and advertise it as they see fit. Council Member Stevenson seconded the motion. The vote was as follows:

Council Member Broadhead	Aye
Council Member Hathaway	Aye
Council Member Jeffs	Nay
Council Member Miller	Aye
Council Member Stevenson	Aye

The vote to adopt Resolution 02-01-2016 passed by a 4 to 1 vote.

Business of the Month

Lou Glamas, a representative from the Payson/Santaquin Chamber of Commerce, presented the business of the month award to Maurice Shields. Mr. Shields expressed his appreciation for the honor. Mr. Glamas told the Council the Chamber of Commerce installation banquet would be held February 26 at the Payson Veteran's home.

CONVENE OF THE COMMUNITY DEVELOPMENT BOARD

No Community Development Board business was discussed.

CONVENE OF THE SPECIAL SERVICE DISTRICT FOR ROADS MAINTENANCE

No Special Service District business was discussed.

CONVENE OF THE LOCAL BUILDING AUTHORITY OF SANTAQUIN CITY

No Local Building Authority business was discussed.

PETITIONS AND COMMUNICATIONS

No Petitions or Communications were addressed.

WORK SESSION – 2016-2017 Fiscal Year Budget

Ben Reeves asked the Council when the utility fee capital fund should be created and what type of public process was desired. Council Member Miller said the Council should be as informative as possible. Revenue for the fund will come from a one dollar increase to the base rates for water, sewer and pressurized irrigation. The difference between a base rate increase and a usage fee was clarified.

2016-2017 Fiscal Year Budget, continued:

Council Member Broadhead suggested the increase should be put in place before water usage begins to go up for the summer. Holding a public hearing was discussed. A budget amendment requires a public hearing, so a public hearing for this increase could be done at the same time.

After some discussion, Council consensus held that the funds be restricted in use for the remainder of the fiscal year, and the new fund designated at the beginning of the 16-17 fiscal year. A public hearing will be held at the next Council meeting to adjust the fee schedule for the increase.

Mr. Marker said the aesthetic components were one aspect of the Summit Ridge Parkway that needed to be looked at. He presented pictures of different roadways, including Denver, Thornton, Westminster, Provo, Sandy, West Valley, Wasatch Boulevard and Lehi Pioneer Crossing. Possibilities include a median, individual street lights on the shoulder or two-arm central street lights, grass, flowers and/or trees and shrubs. 24' of pavement could be done now, with the remainder in phases. An extensive discussion took place regarding desired features, intersections, water conservation and access to the future business park. Following the discussion, Council consensus held that 30 feet of road be paved in the first phase, and a median, trails and lights on the shoulders of the road be incorporated later.

Mr. Reeves said he had met with the school district regarding the possibility of adding drop offs at Santaquin Elementary. The feeling of the elementary school principal and the district was that putting in 500 West would serve the school's needs better, as it would facilitate movement around the school, spread traffic out, and provide more parking for the ball fields. The district would either provide an easement so vehicles could get to the rodeo grounds, or dedicate the land to the City. If the cost is shared by the district and the City, rough numbers indicate the City's cost will be approximately \$162,626. Changes to 30 South were discussed, including whose financial responsibility it would be. Mr. Reeves said he had not discussed 30 South with the district. The school indicated it would like to get rid of the ball field. Council Member Broadhead said in the original agreement the school agreed to maintain the ball field. Possible configurations for the drop-offs were discussed.

Mr. Marker said he had received a phone call from a realtor who wanted to know if the City was interested in selling the ball fields by Orchard Hills Elementary School to enable an LDS Stake Center to be constructed there. The long range plan has been to expand the area into a softball quad. The LDS Church is looking for about four acres of ground. Council consensus held that other areas seemed to be a better fit, and unless the buyers wanted to provide another piece of ground with a softball quad, the land should not be sold.

Mr. Marker said once an Agricultural protection area is established, the area is reviewed every 20 years. A section of the Cherry Hills farm, from 450 North to 200 North, is under review by the County at this time. The General Plan shows this area as agricultural, and the orchard is still actively operating. Mr. Marker asked if there were any concerns to share with the County during the review. Commission consensus held there were no issues in renewing the Ag protection area designation.

REPORTS OF OFFICERS, STAFF, BOARDS, AND COMMITTEES

City Manager

City Manager Ben Reeves said Payson City is working on a project for a transmission line. The first phase comes from the east, loops around the railroad tracks at 12400 South, skirting Santaquin's city limits. SESD already has power lines running down the road, and Payson may just use their poles. As this location will most likely have a future interchange, there is some concern about anticipating the right-of-way width. Kenyon Farley had originally asked for Ag protection in this area, but the County did not allow the protection where Payson City had proposed the transmission lines would go.

Mr. Reeves said he had met with Dominion/Questar Gas, who indicated they would like to have the new gas line come through the future 200 north in the grocery store development. They will come down 100 North if necessary. He said it has been beneficial in the past to facilitate discussions between people by inviting both parties to the City. As Ridley's has not yet approached the Smiths regarding their property, Mr. Reeves asked the Council if he could invite the two parties in for a discussion, and leave them alone together to work out details. Although the Council felt this was something that the two parties should take care of themselves, permission was given to Mr. Reeves to contact them and facilitate a discussion. Council Member Miller noted it was a good idea to eliminate as many obstacles to the grocery store as possible.

Mr. Marker said Questar is looking at some property for a station, and it will be necessary to move the current easement to facilitate this. Mr. Marker said a public hearing will be scheduled for the next Council Meeting so this property can be surplus as per previous Council direction.

Public Works Building Change Order #2, continued:

Mr. Reeves said Mr. Beagley had indicated the architectural fees for the change were not included in the change order. The original agreement will have to be reviewed to determine what architectural fees can be charged.

Council Member Broadhead made a motion to accept the Public Works Building Change Order #2. Council Member Miller seconded the motion. The vote was as follows:

Council Member Broadhead	Aye
Council Member Hathaway	Aye
Council Member Jeffs	Aye
Council Member Miller	Aye
Council Member Stevenson	Aye

The vote to accept the Public Works Building Change Order #2 passed unanimously.

REPORTS BY MAYOR AND COUNCIL MEMBERS

Council Members

Council Member Broadhead asked if the budget could be adopted one department at a time, not the whole budget at once. Mr. Reeves said that would be very complicated, and it was better to deal with one line at a time earlier, before the budget was adopted.

Mayor Hunsaker

Mayor Hunsaker said a 'Bills and Bagels' meeting would be held from 7 to 9 a.m. at the Nebo School district building on Saturday, March 1. Local legislators will be there.

EXECUTIVE SESSION (May be called to discuss the character, professional competence, or physical or mental health of an individual)

No executive session to discuss the character, professional competence, or physical or mental health of an individual was held.

EXECUTIVE SESSION (May be called to discuss the pending or reasonably imminent litigation, and/or purchase, exchange, or lease of real property)

No Executive Session to discuss the pending or reasonably imminent litigation, and/or purchase, exchange, or lease of real property was held.

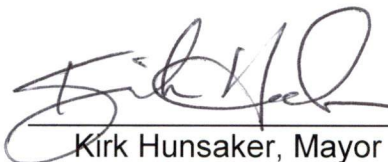
ADJOURNMENT

At 9:42 p.m. Council Member Miller moved to adjourn. Council Member Stevenson seconded the motion. The vote was as follows:

Council Member Broadhead	Aye
Council Member Hathaway	Aye
Council Member Jeffs	Aye
Council Member Miller	Aye
Council Member Stevenson	Aye

The vote to adjourn was unanimous.

Approved on February 17, 2016


Kirk Hunsaker, Mayor
Linda Midgley, Deputy City Recorder



- Interlocal agency
- Founding members:
 - Utah County
 - Payson City
 - Salem City
 - Spanish Fork City
 - Central Utah Water Conservancy District
 - Goshen Valley Local District
- Represented through contract:
 - Strawberry High Line Canal Company

MNWA Purposes

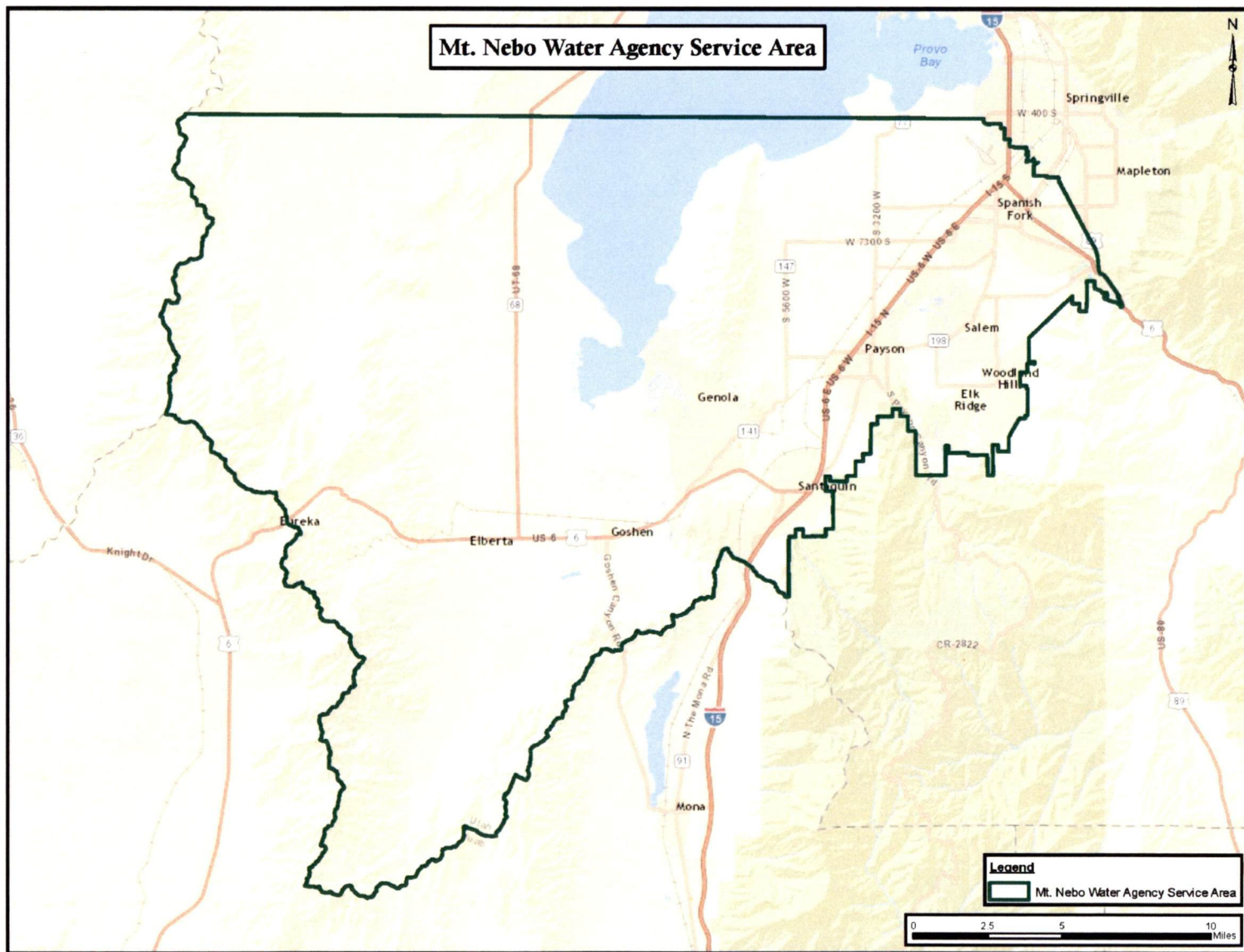
Section 3 of the Interlocal Agreement states:

A. The purposes of the Agency are to:

1. **plan**, design, develop, construct, own and/or sponsor Projects and related Facilities;
2. operate, administer, manage, repair and replace the same, as necessary;
3. facilitate the transfer and distribution of Agricultural Water and Municipal Water to its Members and to Non-Member Contracting Entities for delivery to their respective customers, shareholders, and contracting parties;
4. enjoy economies of scale and other benefits made possible through the joint and cooperative action of the Members; and
5. prepare, update, and implement an Agricultural Water preservation plan for agricultural areas in the Agency Service Area.

MNWA Mission

Mt. Nebo Water Agency works to protect and preserve precious water resources for the benefit of present and future agricultural, residential, municipal, and industrial users, and to plan for water supplies needed to sustain population growth and economic expansion within the Agency boundaries.



Water Supply Study

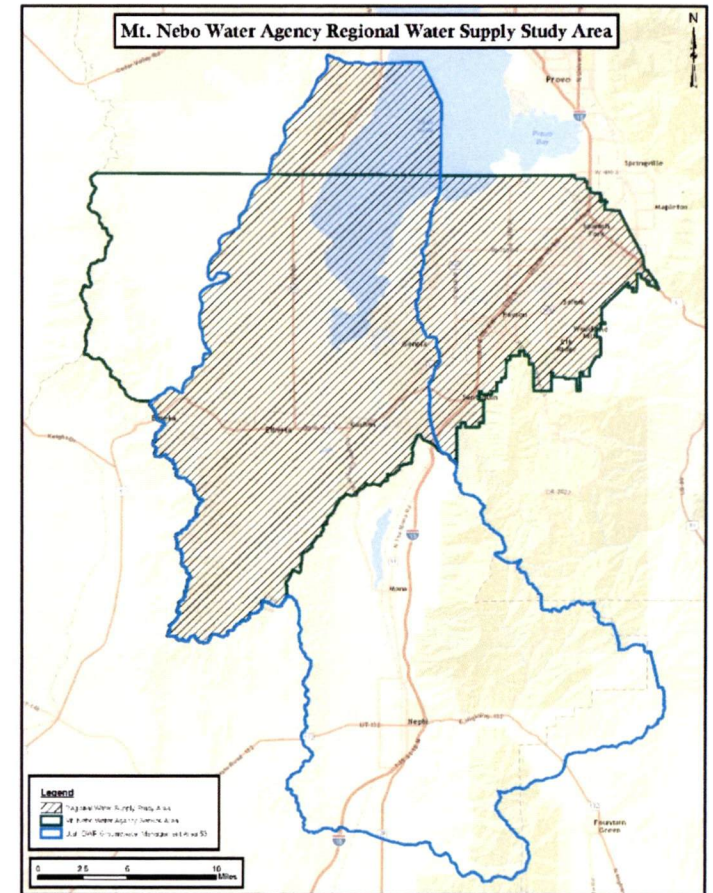
Project water demands through 2055

- Agricultural
- Potable/Secondary

Identify and quantify sources

- Groundwater
- Utah Lake & tributaries
- Project Water
- Mona Reservoir & tributaries
- Development-generated water
- Aquifer recharge

Recommend approach to protecting and developing supplies



Study Phases

- Phase I—Background Review
 - Review existing studies
 - Identify gaps
 - Prepare scope for Phase II
- Phase II—Water Supply Study
 - Project water demands
 - Identify & quantify resources
 - Recommend approach to developing and protecting supplies

Regional Water Supply Study – Phase 1

Mt Nebo Water Agency

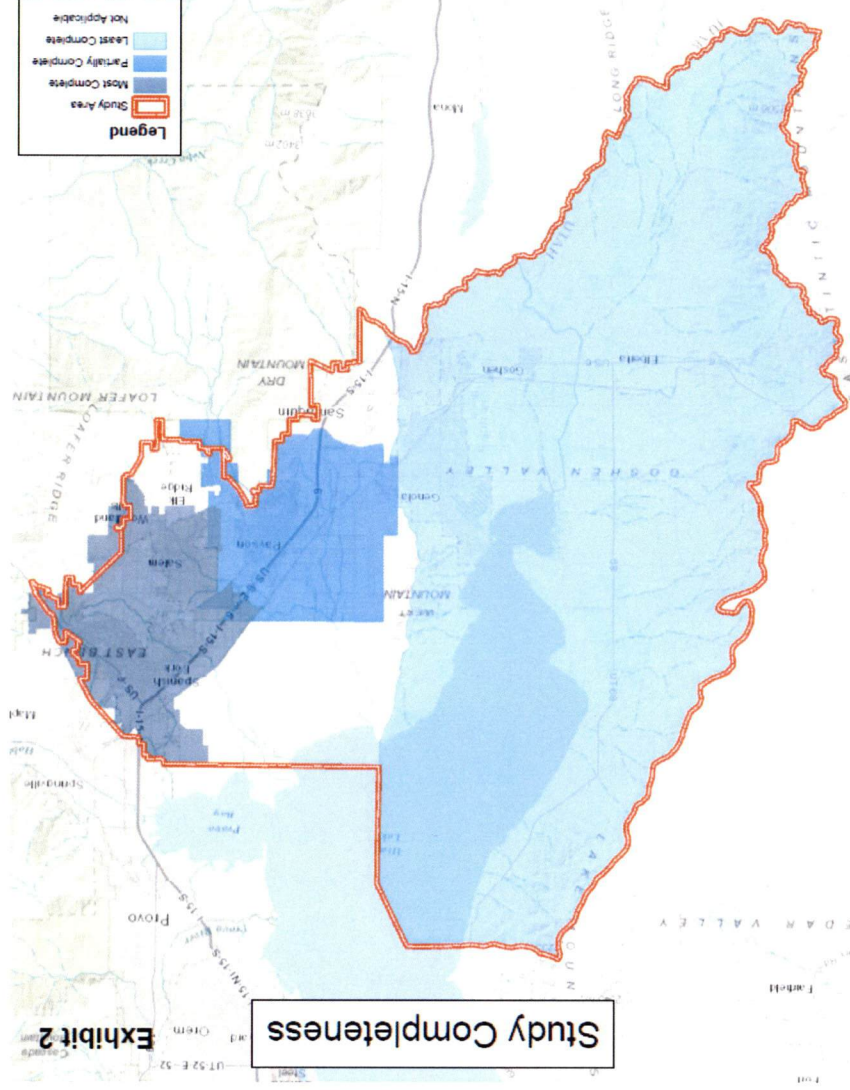
Task 1

- Identify, organize and analyze previously prepared studies affecting the study area.

Exhibit 1

Mt Nebo Water Agency Study Data Summary																			
Study	Date	Owner	Prepared By	Description	EXISTING			Study Cost	Cost per Sq Mi	Cost per Resident	Cost per 1,000 gal	Projected Average Growth Rate	Zoning Plan	Projected Build-out	FUTURE NEEDS				
					Area Covered (sq mi)	Population Covered	Water Demand Covered (Acre Ft)								Water Rights Demand (Acre-Ft)	Water Use Demand (1,000 gal)	Water Storage Demand (Acre-Ft)	Available Water Resources (Acre-Ft)	Water Delivery System (million \$)
1 Payson South West Specific Area Plan	Aug 2015	Payson City	Blu Line Design	Prepare economic forecasts, zoning plans and infrastructure plans for South West Payson area	1.60	12,951		\$75,000	\$46,875.00	\$5.79			X						
2 Payson Water/Sewer/Power Master Plan	Jan 2015	Payson City	Horrocks Engineers	Master Plan/Capital Facilities Plan/Impact Fee Analysis for Payson City Culinary Water/Secondary Water/Sewer	8.69	18,881		\$55,764	\$6,417.03	\$2.95		4.65%	X	60,200					
3 Goshen Valley Water Budget Proposal	2015	Utah Division of Water Rights	UDWR & UGS	Proposal for a study to produce a revised groundwater budget in the Goshen Valley	ONGOING													30,000	
4 Table 2.1--Payson Build-out Population Projections from Power Capital Facilities Plan	April 2014	Payson City	Horrocks Engineers	Build-out ag, residential, office, commercial, and industrial growth projections	8.69	18,881		see item #2						60,200					
5 Utah Lake Basin--Planning for the Future	June 2014	Utah Division of Water Resources	Utah Division of Water Resources	Water supply plan for Utah Lake drainage basin, including demands and supplies	3,039.06	547,940	161,484					2.40%		1,514,630	320,670	Goshen Projections Inadequate	3,200,000		
6 Wasatch Front 2050--Market-Driven Growth Scenario	Mar 7, 2014	Envision Utah	RCLCo	2050 population growth projections for Weber, Davis, Salt Lake, and Utah Counties	4 Counties							1.90%		3,740,624	NO WATER DATA				
7 Evaluation of the Groundwater Flow Model for Southern Utah and Goshen Valleys, Utah. Updated to Conditions through 2011, with New Projections and Groundwater Management Simulations	2013	US Dept. of Interior, USGS	Lynette E. Brooks, USGS	Description of USGS model changes for southern Utah Valley and Goshen Valley	390.00	112,000	48,000								86,000				
8 Payson Reservoir Feasibility Study	Jan 2013	Payson City	Jones and DeMille Engineering	Feasibility study for proposed Payson Canyon reservoir			3,128											10,011	
9 Southern Utah Valley Municipal Water Association Groundwater Recharge Feasibility Study	Nov 2013	SUVMWA	Caldwell Richards Sorensen	Comprehensive water management strategy for SUVMWA members		112,801	31,027	\$400,000		\$3.55	\$0.04			316,700	78,045				
10 Spanish Fork Drinking Water System Master Plan	2012	Spanish Fork City	Hansen Allen & Luce	Culinary Water Master Plan	15.37	34,691	16,080	\$65,000	\$5,530.25	\$2.45	\$0.02			115,971	37,230		51		
11 Spanish Fork Pressurized Irrigation System Master Plan	2012	Spanish Fork City	Hansen Allen & Luce	Pressurized Irrigation Master Plan	15.37	34,691	23,820	\$130,000	\$8,458.04	\$3.75	\$0.02			115,971	52,704		91		
12 Spanish Fork Wastewater Master Plan	2012	Spanish Fork City	Bowen Collins	Sewer Master Plan	15.37	34,691		\$80,000	\$5,204.94	\$2.31				115,971					
13 Spanish Fork Storm Drainage Master Plan	2012	Spanish Fork City	Bowen Collins	Storm Drain Impact Fee Facilities Plan	15.37	34,691		\$65,000	\$5,530.25	\$2.45				115,971					
14 Salem City Secondary Water Impact Fee Facilities Plan (1/3 of this study)	2012	Salem City	Horrocks Engineers	Pressurized Irrigation Impact Fee Facilities Plan	10.19	6,665		\$5,000	\$490.68	\$0.75		4.37%		31,015					
15 Growth and Market Opportunity Analysis for Payson, UT	April 28, 2011	Payson City	RCLCo	Growth projections for Payson, Utah	8.69	18,881								60,200	NO WATER DATA				
16 Goshen Valley Specific Area Plan of Utah County, Utah	Undated (approx. 2009)	Utah County	Utah County	A plan for the economic development of Goshen Valley, including development projections	93.75	1,152								150,000-250,000	NO WATER DATA				
17 GIS Surface and Ground Water Model	May 2003	SUVMWA	Hansen Allen & Luce	GIS Model											MODEL NOT WORKING				
18 Water Rights Analysis Future Demands and Needs Inventory	March 1996	SUVWA	JUB Engineers	Water rights analysis of all SUVWA cities	133.70										204,496	NO CONCLUSION			
19 Water-Supply Planning Report for Southern Utah Valley Municipal Water Association	June 1996	SUVMWA	Carl H. Carpenter, P.E.	Quantify present and future water supplies, forecast future demands, etc.		47,530	22,001							63,400	18,680				
20 Hydrology and Simulation of Ground-Water Flow in Southern Utah and Goshen Valleys, Utah	1995	Utah Department of Natural Resources	L.E. Brooks & B.J. Stolp, USGS	Groundwater budget study for southern Utah & Goshen Valleys	301.56	44,624									Modeled @ 200% INCREASE				
21 Salem City Drinking Water IFPP	2012	Salem City	Sunrise	Drinking Water Impact fee facilities Plan	8.972	2,675		\$5,000		\$0.56	\$0.01	4.37%		76,000	1,284.93		4.2		
22 Salem City Waste Water IFPP	2012	Salem City	Sunrise	Sewer Impact Fee Facilities Plan	8.972			\$5,000		\$0.56		4.37%		76,000					
23 Salem 40 Year Plan		Salem City	Sunrise		8.972			\$5,000		\$0.56									
24 Ground-Water Sensitivity and Vulnerability to Pesticides	2002	Utah Department of Agriculture and Food and UGS	Ivan D Sanderson, Mike Lowe, Manae Wallace and Jason L. Kneedy	Ground-Water Sensitivity and Vulnerability to Pesticides		368,536								446,000	NO DEMAND				

Interactive Study Area Map (ISAM)



Task 2

- Identify additional work that needs to be performed to create a complete study. Prepare a Scope of Work for Phase 2.

Proposed Phase 2 Scope of Work

Exhibit 4

Mt Nebo Water Agency Regional Water Supply Study Proposed Phase 2 Scope of Work

Task 1 - Administration

Coordination – Coordinate with project stakeholders and other agencies including project kickoff, data collection, technical committee progress meetings, and agency staff discussions.

Administration – Perform all project budgeting, scheduling, resource allocating, reporting, staff coordination and project management.

Task 2 – Demographics

Document Governor's Office (Demographic & Economic Analysis) 2060

Projections: Provide breakout projections for each agency and unincorporated areas within the study area.

Review and Analyze 2060 Projections: Analyze projected growth in Goshen Valley.

Coordinate with the Governor's Office regarding the Goshen Valley Area. The DEA is currently preparing new projections. Coordinate with MAG (who projects Utah Valley area population growth) to incorporate new projections for Goshen Valley.

Estimate 2060 and Build-out Projections for the study area. Prepare an exhibit illustrating service boundaries of each agency and their respective populations. Illustrate any areas that are not anticipated to be populated.

Update the GIS database and mapping with Demographic Data

Task 3 – Define Water Needs

Volume (acre feet) – Estimate the volume of water necessary to provide sufficient water to each agency and unincorporated areas in the study area at 2060 conditions. Use data from existing studies for all areas outside of Goshen Valley. Prepare additional projections for Goshen Valley.

Municipal and Industrial – Provide a breakdown of M&I volume needs in terms of culinary and secondary water.

Agriculture – Provide a breakdown of agriculture volume needs per agency and unincorporated area.

Flows (gpm) – Estimate flows required on an average day for the study area in each agency and unincorporated area at 2060 conditions.

Task 3

- Assist Mt Nebo in identifying the value of work that each member agency has already contributed in the form of previously completed studies

Agency Participation Table

Exhibit 3

Agency	Master Plan (current/future water needs defined)		Capital Facilities Plan (Infrastructure planned to meet future needs)		Long Range Plan (40 Year Plan or Build-out planning)		Value	Previous Contribution
Spanish Fork	x		x		x		Spanish Fork has planned well for its future by preparing plans that define its future water needs, planning projects to meet its short range needs and outlining a 40 year plan. It has spent \$215,000 on water studies and a total of \$380,000 on related plans.	\$215,000
Salem	x		x		x		Salem has planned well for its short term water needs. It has prepared both a master plan and capital facilities plan. It is currently preparing a 40 Year Plan. It has spent \$20,000 on recent water master plans, capital facilities plans and a 40 year plan.	\$20,000
Payson	x		x				Payson has planned well for its short term water needs. It has prepared both a master plan and capital facilities plan. But the long term plan is not well defined. Payson has spent \$131,000 (approximately 50% water related) on recent related master plans, capital facilities plans and specific area plans.	\$65,500
Utah County*	x						Utah County does not have a master plan or capital facilities plan for any of its unincorporated areas or its small water systems. It does not have a long range plan for its service area.	\$0
Goshen Valley Local District*	x						Goshen Valley Local District was recently formed and has not yet prepared its own master plan, capital facilities plan or long range plan for its service area.	\$0
Central Utah WCD**	x						Central Utah Water Conservancy District has project specific plans to meet the 5 goals of its original charter. The original goals are essentially complete and the District is currently working on service area master planning.	\$0
High Line Canal Company							The High Line Canal Company is a unique member of the agency in that they are water providers and could assist in meeting future needs. However, their companies do not have the same water planning needs as the other member agencies.	\$0

* Where Utah County and Goshen Valley Local District do not have their own master plans, existing plans have identified current use and future water needs. However, the County is illustrated as light blue because its current use and future needs are well defined in existing studies.

** CUWCD is currently working on service area master plans. In the past, due to the nature of the District, it has only had specific project related plans. However, the District is illustrated as light blue because the current use and future needs of the area it serves are well defined in existing studies.

***This cost estimate is based on the scope of work recommended for Phase 2 that was prepared as a part of Phase 1. See Exhibit 4.

Phase 2 Conceptual Fee Estimate

Mt. Nebo Water Agency Regional Water Supply Study - Phase 2 Conceptual Fee Estimate November 9, 2015										
Task	Cost	Hours	Project Manager	QC/QA	Principal Engineer	Engineer	Engineer in Training	GIS Specialist	PI Specialist	Clerical
Task 1 - Administration										
Coordination	\$12,416	96	48			32	16			
Administration	\$10,912	72	56			16				
Task 2 - Demographics										
Document Governor's Office Projections	\$1,330	15	1			4	10			
Review and Analyze 2060 Projections	\$2,964	34	2			8	24			
Coordinate with Governor's Office	\$2,396	16	12			4				
Estimate 2060 and Build-out Projections	\$3,772	42	2			16	24			
Update the GIS with Demographic Data	\$1,766	19	1			4	2	12		
Task 3 - Define Water Needs										
Define Volume, Flow and Storage Needs	\$6,100	64	4	4		16	40			
Update the GIS with Water Needs Data	\$3,266	37	1			4	8	24		
Task 4 - Inventory Existing Facilities										
Summarize Existing Facilities	\$10,784	124	4			40	80			
Update the GIS with Existing Facilities Data	\$3,582	41	1			8	16	16		
Task 5 - Identify and Analyze Water Resources										
Identify Rights, Canals, Rivers, Lakes, etc.	\$32,704	292	24	8	60	80	120			
Analyze Water Resources	\$38,384	336	48	12	40	140	96			
Update GIS with Water Resources Analysis	\$7,608	76	12			16	16	32		
Task 6 - Define Capital Facilities Plan										
Define Projects	\$15,404	148	16	4	16	32	80			
Define Necessary Infrastructure	\$13,384	144	8		8	40	88			
Identify Stakeholders	\$7,862	105	1			16	40		16	32
Prepare Conceptual Schedule	\$5,106	58	4	2		4	48			
Prepare Conceptual Cost Estimates	\$8,310	82	8	2	8	16	48			
Update the GIS with Capital Projects Data	\$5,472	60	4			8	16	32		
Task 7 - Prepare Final Report										
Prepare Final Document	\$28,064	288	16	16	8	96	140			12
Task 8 - Stakeholder Involvement										
Prepare for and Attend Public Meetings	\$12,648	132	16			16	24	16	60	
	\$234,234	2,281	289	48	140	616	936	132	76	44

Direct Costs: \$6,500
Contingency (15%) \$36,110
Project Total: \$276,844
Use: \$280,000