

The Ely Times Declaration of Publication

The Ely Times

And Shadrach Michaels

declares and says that he is the Record Clerk of **The Ely Times**, a weekly Newspaper, published in Ely, White Pine County, Nevada; that he has charge of and knows the advertising appearing in said newspaper, of which a copy is hereunto attached, was first published in said newspaper in its issue dated:

8-02-2019

8-09-2019

the date of the last publication being in the issue of:

8-16-2019

Under penalty of perjury, I declare that The foregoing is true and correct.

Dated:

8-19-2019

Signed:

Shadrach Michaels

STATEMENT:

<u>Date:</u>	<u>Amount:</u>
8-19-19	378.-

**The Ely Times**  
P.O. Box 150820  
Ely, Nevada 89315  
(7750 289-4491)

**INVITATION TO BID**

NOTICE IS HEREBY GIVEN that the City of Ely, County of White Pine, State of Nevada, is hereby accepting bids to lease and to jointly develop the Georgetown Ranch, located in Ely, Nevada of approximately 1980 acres, access to water is limited.

**The term of the lease shall be in five-year increments, with the successful bidder taking possession of the Georgetown Ranch on October 1, 2020.** The City will not grant a lease longer than five-year intervals, but bidders may propose a longer term, which will be considered by the Municipal Utilities Board and the City Council during the bid award.

**Bid specification requirements are as follows:**

The proposed lease area can generally be found in APN 010-27-016 and 010-42-006 and covers the majority of the Georgetown, but not all of the Georgetown due to other lease agreements or usage by the City.

In addition to the Georgetown Ranch, there is also a BLM Grazing Permit known as the Georgetown Allotment connected to this lease and the Lessee will be required to submit the required paperwork and payment to the BLM to utilize the Georgetown allotment. Lessee must provide proof to the City of payment to the BLM for the Allotment annually. A copy of the Resolution may be obtained from City Hall, 501 Mill Street, Ely, NV 89301.

The successful Lessee shall identify the improvements they will make during the term of the lease agreement, their proposed lease rate for each year of the lease, an agreement to include a cost of living increase for each year of the lease, the term of the lease requested and how the Lessee intends to utilize and develop the Leased Property. There is no minimum bid. Oral bids will not be allowed before the lease is awarded.

Copies of the Resolution may be found at the doors or bulletin boards of City Hall located at 501 Mill Street, White Pine County Library located at 950 Campton Street, White Pine County Courthouse located at 801 Clark Street, the U.S. Post Office located at 2600 Bristlecone Avenue and the White Pine County Sheriff's Office located at 1785 Great Basin Boulevard.

Bids are to be enclosed in a sealed envelope clearly marked, "GEORGETOWN LEASE" and deposited with Jennifer Lee, City Clerk, City of Ely, 501 Mill Street, Ely, NV 89301 no later than Friday, August 29, 2019 at 3:00 pm. **EMAIL BIDS WILL NOT BE ACCEPTED.**

Bids will be opened on Thursday, September 12, 2019 at or shortly after 8:00 am by the Ely Municipal Utilities Board which will make a recommendation on awarding the bid to the Ely City Council which has the final decision making authority and shall award the lease on September 12, 2019 at or shortly after 5:00 pm on Thursday, September 12, 2019.

The Ely Municipal Utilities Board and the Ely City Council meeting will be held at the Volunteer Fire Hall, 499 Mill Street, Ely, NV 89301. The successful bidder will be notified by the City Clerk on September 13, 2019 either by email or regular mail. Bidders mailing their bids assume the risk of late delivery.

The City of Ely reserves the right to reject any and all bids.

**THIS LEGAL NOTICE SUPERSEDES PRIOR NOTICES TO AWARD THE GEORGETOWN LEASE.**



**ELY**

**CITY OF**

501 Mill Street Ely, Nevada 89301  
City Hall (775) 289-2430  
Fax (775) 289-1463

Date: September 6th, 2019

To: Mayor Robertson  
City Council Members  
Utility Board Members

From: Thomas Lawrence-Landfill Leadman

Subject: Landfill monthly report

During the month of August we did daily operations as usual. Class I year to date total tons 4,555.54. Year to date daily average for Class I 19.38 tons. Class III year to date total tons 5,545.32. Year to date daily average 23.59 tons. Landfill crew is hauling dirt daily from Class III expansion area to use as cover dirt for household and Class III. Compactor rebuild is coming along well. The compactor should be back on site this month. Completed service on 938H loader(20,414 hrs). Service completed on D8N dozer (23,275 hrs). Oil samples were done on both machines and all were in the acceptable range. Collected quarterly water samples and were sent in to Wetlabs. Routine maintenance and service completed on equipment and vehicles as needed. All equipment is up and running.

## Report Criteria:

Customer.Alert message = "LIEN"

Account Balance	Name	Service Address	Alert Message
1,803.46	ACP 1	2 FIRST ST /RUTH	LIEN
3,822.72	ALLEN, JESSICA & WICKS, JAMIE	1536 E 2748 N ST	LIEN
2,052.08	AMES STEVAN	37 SECOND ST	LIEN
796.86	ANDERSON FRED	450 & 460 ELY AVE	LIEN
2,213.48	ANDERSON, GERALD & DEAN	005-073-04/CHERRY CREEK	LIEN
1,043.76	AVILA NETZAHUALCOYTL	008-260-05/BIDA RANCH/CHERRY CR	LIEN
191.20	BACKUS CATHIE G	1511 W 365th N	LIEN
132.18	BAINBRIDGE CHARLES J	1215 MILL ST	LIEN
1,803.46	BARKER VICTORIA	10 & 12 NORTH FOURTH ST	LIEN
1,803.46	BARKER VICTORIA	2 AVE F	LIEN
1,803.46	BARKER VICTORIA	291 NORTH MAIN	LIEN
1,803.46	BARKER VICTORIA	31 AVE B	LIEN
821.44	BIDA SAM	2160 CRAWFORD	LIEN
751.24	BLISS RICHARD	40 KEYSTONE ST	LIEN
2,371.52	BRAGG HOLLIE	5 AVE B	LIEN
1,318.93	CHACHAS, GEORGE C	490 HIGH ST	LIEN
2,292.11	CISCAR JESSE	16 AVE I	LIEN
78.21	COMMERCIAL CLUB	1 MAIN ST*	LIEN
14,747.67	COOPER & SONS CONST	2987 W HWY 50/5 MILES WEST ON U.	LIEN
4,631.26	COOPER DANNY	1369 AVE D	LIEN
1,103.83	CRAIG LAWRENCE H	05-086-03/ ONELL/ CHERRY CREEK	LIEN
10,892.93	CUNDICK KENNETH	44 KEYSTONE ST	LIEN
299.26	DAILEY CHRIS	3 AVE D	LIEN
8,316.06	DALY MARK	8400 NORTH SR 892	LIEN
2,978.62	DARLING CHAUNTELL	311 N MAIN ST	LIEN
825.87	DELUCIA MARY L	14275 EAST 323 SOUTH STREET	LIEN
2,027.65	DORRIS LAURA M	89 WEST 1ST SOUTH	LIEN
1,076.16	DUNN CHARLES & PATRICE	17 MAHOGANY ST	LIEN
991.69	ELDRIDGE SHARLENE	582 NORTH US HWY 93	LIEN
847.33	EREKSON ANTOINETT	126 S MAIN ST	LIEN
7,338.19	EREKSON DEEANNA	25 E 7TH N *	LIEN
5,083.28	FACKRELL W RALPH	67 N 1ST EAST ST	LIEN
900.43	FITZNER BRYAN	952 HIGH ST	LIEN
1,375.83	FRY ALVIN H	5 MAHAGONY ST	LIEN
2,712.75	GAULT MARY	22 FIRST ST / RUTH	LIEN
532.93	GORTAT H W JR	05-074-02/CHERRY CREEK	LIEN
9,010.70	GUBBINE JAMES J JR	16 THIRD ST	LIEN
2,328.17	GUNDERSON CAROL	58 FOURTH ST	LIEN
1,211.39	HALL TERRI	32 FIRST ST / RUTH	LIEN
579.08	Halstead, Timothy W & Madeline J	212 S MAIN ST	LIEN
613.58	HARDY KEITH AND KARL	13 JUNIPER ST	LIEN
3,410.14	HARRISON ROBERT	8 AVE A	LIEN
893.24	HESTER TROY	414 ELY ST	LIEN
729.81	HIBBS WILLIAMS G	12 AVE D	LIEN
8,473.24	HILL GARY & MICHELLE	2551 NORTH 21ST WEST ST	LIEN
524.68	HINES STEPHEN M	21 JUNIPER ST	LIEN
5,306.23	HOFFMAN JOYCE-W CREEK TRADIN	8050 S 71ST E ST	LIEN
1,710.68	HOLLINGSWORTH HAL & JENNIFER	20 AVE G	LIEN
1,742.73	HOPEWELL HEATHER	23 AVE F	LIEN
747.57	HOWES MARY	16 CEDAR ST	LIEN
1,718.45	HUMPHERY RICK & KATHY	39 SUNSHINE ST	LIEN
2,525.37	IRLBECK TSUNeko	6075 EAST 2973RD NORTH ST	LIEN
894.24	JENSEN KYLE	49 FIRST ST	LIEN
.00	JOHNSTON DENNIS & BELINDA	35 KEYSTONE ST	LIEN
3,894.62	JONES, RALPH	5 NORTH SIXTH ST	LIEN

Account Balance	Name	Service Address	Alert Message
4,484.68	KOCUREK KRISTIN	8 NORTHFORTH ST / CLUB HOUSE	LIEN
1,318.90	LAIL LAWRENCE R	40 SUNSHINE ST	LIEN
3,308.28	LAIL, LAWRENCE & C DECARBONEL	3733 NORTH HWY 93/50 CLUB	LIEN
3,314.91	LAZAR RENEE	4 AVE E	LIEN
558.91	LEE JEAN	488 STEVENS AVE	LIEN
.00	LILLY, JEREMY F	295 ELY AVE/CENTRAL ELY SCHOOL	LIEN
1,849.25	LUCIENTES MICHAEL	1325 AVENUE C	LIEN
9,166.51	LYMAN LYLE AND PHYLLIS	22 SIXTH ST	LIEN
3,406.19	LYMAN LYLE O	64 NORTH THIRD ST	LIEN
361.21	MALCOLM GERALD R	1 PINE ST	LIEN
7,541.03	MARRUJO, KENNETH/PETE'S DRIVE I	1155 E AULTMAN ST/PETE'S DRIVE IN	LIEN
2,567.43	MASINI JOSEPH & MISTY	110 W 9TH N	LIEN
5,849.86	MATHEWS LEONARD GUY	10 DALY ST	LIEN
729.81	MCKENZIE RODRIC D	64 N MAIN	LIEN
9,178.96	MCLEAN NORA	8 AVE C	LIEN
3,557.31	MELLOS DEMETRIOS ET AL	4 FIFTH ST	LIEN
8,559.62	MILLER KRISTOPHER & JESSICA	6 AVE C	LIEN
1,159.14	MILLER SARAH	2490 NORTH SR 490	LIEN
3,901.57	MITCHELL DOROTHY JUNE TRUST	6 EAST ST	LIEN
3,072.11	MONTGOMERY JANE	25 SIXTH ST	LIEN
2,774.47	MORIAH ENTERPRISES INC	35 AVE R	LIEN
4,144.53	MORRIS MARIE	10 FOURTH ST/MARIE'S CAFE	LIEN
3,683.58	MOSHER BYRAN T	8 AVE J	LIEN
.00	MULLER, JON L & KATHERINE	398 MILL ST/ Dojo	LIEN
843.92	Nicolls, David	554 STEVENS AVE	LIEN
.00	OLESON JAMES	450 OGDEN AVE	LIEN
426.83	PALCZEWSKI BILL S	2983 NORTH 9TH WEST ST	LIEN
911.68	PARMLEY SHERYL	30 AVE B	LIEN
557.57	PAY BRUCE & JODEAN	13 AVE F #1	LIEN
2,925.90	PEARCE JESSICA	236 FAY AVE#2	LIEN
1,725.66	PEHRSON, NEAL E	4 PINE ST	LIEN
2,248.25	POPE ROBERT	646 STEVENS AVE	LIEN
2,836.10	PRATT ROBERT N	11 AVE C	LIEN
2,836.11	PRATT ROBERT N	13 AVE K	LIEN
2,836.10	PRATT ROBERT N	15 AVE K	LIEN
29.73-	REID FRANK	65 N MAIN ST	LIEN
1,013.49	REYNOSO JOSE	47 SUNSHINE ST	LIEN
.00	RIMINGTON ANNIE RAE	2 AVE D	LIEN
1,479.05	SAMPLE LARRY & LINDA	310 S Silen Avenue	LIEN
6,582.71	SANKOVICH LORI	26 THIRD ST	LIEN
.00	SCHEMP DARLA	34 SUNSHINE ST	LIEN
963.35	Simplistic Solutions LLC	22 MAIN ST	LIEN
5,724.71	SORENSEN MARY	48 KEYSTONE ST #1	LIEN
9,908.10	STEVENS JAMES	158 W WHITE RIVER RD	LIEN
827.72	STEWART LARRY & KIMBERLY	6 MAIN ST/TOWN STORE/RUTH	LIEN
16,348.49	TOWN & COUNTRY ANNEX	710 AVE G	LIEN
1,720.80	TRUJILLO SCOTT	19 AVE H	LIEN
4,330.01	V.I.T.A.L.	1 A NORTH FIRST ST	LIEN
2,289.34	WALKER CHRIS	2 B FIRST ST	LIEN
508.12	WETZEL JON	1381 MILL ST	LIEN
13.39	WILCOX JOYCE	2 A FIRST ST	LIEN
800.27	WILLIAMS MARY LYNN	8 AVE E	LIEN
1,478.75	WILLIS STEVE	60 NORTH FOURTH ST	LIEN
9,322.18	WINTERS WARD	28 KEYSTONE ST	LIEN
1,317.96	WRIGHT RENAYE	355 S Silen Ave.	LIEN

Grand Totals:

307,133.78

Report Criteria:

Customer.Alert message = "LIEN RELEASED"

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Name	Service Address	Alert Message
CHILSON ERIC & AMBER	10 AVE F	LIEN RELEASED
HARRISON KEVA	11 KEYSTONE ST	LIEN RELEASED
LINNELL NORMAN	2 A NORTH SECOND ST	LIEN RELEASED
Grand Totals:		3

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Date: 9/4/2019

To: City of Ely

City of Ely: Water and Wastewater Systems

From: Raul Naranjo, Water, Wastewater DRC, and Laboratory Director

Subject: Water System and Wastewater Treatment Plant – Observations and Recommendations

I visited the facilities on August 9<sup>th</sup>, 15<sup>th</sup>, and 29<sup>th</sup>.

## **1. Laboratory**

- a) Monthly audit, an internal review of all Quality Control Systems as outlined in the Lab Quality Assurance Plan (QAP). Review of all laboratory supporting documents, Lab Logbooks for discrepancies, laboratory procedures.
- b) QAP and Laboratory Safety plan needs to be updated, with the hiring of two new operators and the purchase of the most recent Standard Methods book. The manuals need to be updated to reflect the new changes. I will be working on that and should be done with the manuals by my next visit. We will review and train on any changes as required.

I also need to add two procedures for quality control. Quanti-Cult, this test is required to be run quarterly on the sample bottles and media used for the coliform water test. It ensures that we are running the test correctly. It is a three-part test, and the results should give us an E-coli positive, a Total positive and a negative result. The second is Coliform bottle sterility test. This test is done to confirm that the sample bottles are not contaminated.

I will update the QAP in the next couple of weeks.

## **2. Sewer Plant Observations**

- a) We discussed plant operations, and the plant is operating good level, as far as process treatment. Shannan is made a couple of adjustments to lower the TSS (Total Suspended Solids) in the aeration basin. TSS consists of Organics, Inorganics, and microorganisms. By making adjustments we are trying to find the optimal levels for the best treatment.
- b) Sewer lift station “the vault” on N. Industrial Way, they were having issues with it not pumping. The pumps work automatically with a system of floats;

once the water level reaches a certain level it triggers a float switch, and a pump will turn on. I believe that the floats are being affected by grease and debris; these items impair the proper operation of the floats. A vac-truck has been scheduled to go out and clean out the lift station.

- c) On August 8, 19 there was a sewer over on a manhole on Industrial Way behind the BLM building. The spill was cleaned, disinfected, and reported to the state as required. I believe the malfunction of the lift station contributed to the spill.
- d) Mario, Shannan and I, did a complete walk around at the plant. We went over safety, inspections, walkthrough, maintenance, repairs, upgrades, electrical, mechanical, PLC controls, SCADA and treatment process. This gave us a better understanding of where the plant operation and what issues we need to address first.
- e) I helped Mario and Shannan install the new polymer mixing unit. This is a much-needed upgrade, and the new unit is much smaller and easier to operate. The polymer is used in the last phase of the treatment process. It is added to the sludge for dewatering. It coagulates the sludge to aid in the removal of water. This new unit replaces an outdated and very complicated unit.
- f) On August 21<sup>st</sup>, we had an inspection of the treatment plant by NDEP. The inspection covered all aspects of the treatment process. We have not received the official inspection report as of today. But they didn't cite any major deficiencies.  
One issue that we do have to address is the use of Effluent water at the Georgetown ranch. We have to follow NAC445A.2752, Mark Kaminski with NDEP, stated that signs warning of reclaimed water use needed to be placed along the perimeter fence. My question to you is who is responsible for putting up these signs, the City's or the ranch. I await your instructions to proceed. If there are other issues called out when we receive the inspection report, I will keep you posted.
- g) On August 29<sup>th</sup> Mark Taylor with SKM was out to the plant to work on some electrical and programming issues we were having.  
The items he worked on are: RAS (Return Activated Sludge) meter, this meter was installed about a year ago, but it was never ran. We turned it on, and it was not working correctly, it hadn't been calibrated. Now its calibrated and reading correctly.

Sludge pump, one of the two WAS (Waste Activated Sludge) pumps were not working in auto. He found an issue in the programming and now it's working in auto. Another part of the wasting was the timing and controlling how we wasted. The timer in the programming was set up in a way not easy to control, and he programmed it different this way; it will allow us to waste differently. Polymer mixer, when Mario and did the installation we did not wire the control wires to the unit. With the controls, we can run it in auto and not on hand. This will let it turn on automatically when the centrifuge starts to run. SCADA, PLC and computers, he went over all these systems and addressed some of the problems we were having. From adjusting the time to the SCADA program on the lab computer.

## **Recommendations**

These are areas of concern that I recommend being addressed in a very near future. I understand that some of these items can be complicated to complete, but I feel that they are things that cannot be prolonged more than we have to. All of these concerns are solely for the better operation of the plant and sewer system.

- a) SCADA and computer upgrade, the computers at the plant are very outdated, and their operating systems are no longer supported by the manufacturer. They no longer provide security updates for these computers, which could put them at risk. Upgrading the SCADA program would be of great benefit for the operators; it would give them the better capability to control the process. It would also give us the capability to monitor all the equipment, and it would notify us of any malfunctions. Supervisory Control and Data Acquisition (SCADA) this program is currently on Carl's computer; his computer takes ten minutes or more to boot up. We can easily replace his computer for less than \$1000, and I believe that this an essential work tool that needs to be replaced as soon as possible.

Main PLC, the main PLC receives data from most of the equipment in the treatment plant process. It displays various parameters (flows, levels, and timers); these are displayed in a screen where the operators can make determinations and make adjustments if necessary. This panel is very outdated, and it is very difficult to make adjustments.

I have asked Mark with SKM, to give us a quote for the upgrade of the PLC and a SCADA program that would work for our plant. I will forward that info when I receive it.

- b) Solids screens (bar screens), they are older technology and pose a biohazard to the operators. We should try to eliminate the exposure of infections to the operators.

Newer technology equipment is easier to operate and maintain. It would also eliminate more of the heavy solids that come into the plant and would greatly reduce problems in the process stream.

- c) The Emergency Response Plan for the treatment plant needs to be updated; I will work with Shannan to upgrade it and turn it to the state.
- d) The lift station is building up solids and is preventing the operation of the floats. We should have it cleaned out at least once a year, we should have it vacuumed out and cleaned to remove all the grease. Also, at the lift station, the access hatches are rusted out and are fall hazard to the operators. We need to look at replacing these hatches.

### **3. Water System**

- a) We reviewed the sampling requirements for the system to ensure that we were up to date on testing and reports. Everything seems to be caught up; unfortunately we need three more samples on the Terrace Well, the testing will commence in July, and we need to take a sample monthly for three months. Carl has done some of the yearly samplings on the wells and the distribution system.
- b) On August 15<sup>th</sup>, water department operators, BJ (Basin Engineer) and myself ran a water use simulation on the water tanks. The main purpose of this was to see how much water was being used during a typical summer week, which would give us a good indication of high-water use. We turned off all the wells and water supply to the tanks. We made observations of how much water was used out of every tank and how to better operate the wells in town to supply the needed water. I believe that BJ is working on a summary report. This exercise is one step in the overall water operations plan. It gave us a better understanding of the system and gave everybody a better understanding of how the system is laid out. I don't think we have operators that know how the system runs without RW-6 and RW-7. It was good training for all of us.
- c) Everything looks clean, and in order, they have done an excellent job of maintaining the water sites.
- d) RW-6, the pump was pulled out by the mine and is no longer in operation. I have spoken with Margie Evans with NDEP and let her know that we are not going to be able to test this well. We need to write her a letter stating what the situation is

and what the future plans are for this well. I told her that we are not abandoning the well at this time.

Update; Jennifer has written Margie a letter addressing the RW-6 well.

- e) Water Conservation Plan, an update of the water conservation plan needs to be submitted to the state.

**Recommendations:** Proceed with the training and evaluation of the water system operation plan. Evaluate and test the water system SCADA.

This is only a very brief explanation of some of the items that I think need attention. If you would like a more in-depth explanation, please contact me at any time.

**I would like to state that the people and companies I have recommended have only a working relationship with me and I will not benefit in any way from them getting work from the city.**

**I would also like to extend an invitation to all council, board members, and office personnel to tour the facilities.**

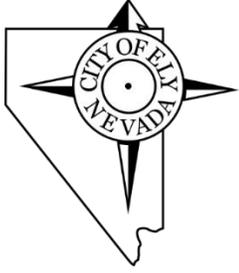
Please feel free to contact me at any time if you have any questions.

Thank you,

Raul Naranjo  
DRC Water and Wastewater Systems  
City of Ely

Cell: 801-440-2790

Email: [tripnsd@gmail.com](mailto:tripnsd@gmail.com)



# CITY OF ELY

501 Mill Street Ely, Nevada 89301  
City Hall (775) 289-2430  
Fax (775) 289-1463

# CANCELLED

**DUE TO LACK OF QUORUM**

**GEORGETOWN RANCH BIDS WILL BE OPENED**

**AT 8:00 A.M. IN THE OCTOBER 10, 2019**

**MUNICIPAL UTILITIES BOARD MEETING**

**ELY MUNICIPAL UTILITIES BOARD  
REGULAR MEETING  
AGENDA**

**PLEASE NOTE: THE BOARD MEMBERS MAY ADDRESS AGENDA ITEMS OUT OF SEQUENCE, COMBINE TWO OR MORE AGENDA ITEMS FOR CONSIDERATION, REMOVE AN ITEM OR DELAY DISCUSSION AT ANY TIME TO ACCOMMODATE PERSONS APPEARING BEFORE THE BOARD OR TO AID IN THE EFFICIENCY AND EFFECTIVENESS OF THE MEETINGS.**

**September 12, 2019 8:00 a.m. – Ely Volunteer Fire Hall - 499 Mill Street - Ely, Nevada.**

**1. OPENING ACTIVITIES:**

MEETING CALLED TO ORDER  
PLEDGE OF ALLEGIANCE  
ROLL CALL

**2. PUBLIC COMMENT:** Comments not exceeding three (3) minutes in length will be accepted from the general public in attendance. If any are made, there may be discussion upon those comments. No vote, decision, or action may be taken upon matters raised under this item until it is formally placed on the agenda. **Comments during Discussion Items will be accepted from the General public.** “Section 7.05, of the Nevada Open Meeting Law Manual indicates that the Public Body may prohibit comment if the content of the comments is a topic that is not relevant to or within the authority of the Public Body or if the content of the comments is willfully disruptive of the meeting by being irrelevant, repetitious, slanderous, offensive, inflammatory, irrational or amounting to personal attacks or interfering with the rights of other speakers”.

**3. ITEMS FOR DISCUSSION/ POSSIBLE ACTION OF THE UTILITY BOARD.**

**A. CONSENT AGENDA** (These items may be approved in one motion by the Board as its first action of business under For Discussion/Possible Action items.) Approval of the Consent Agenda approves each of these items. Board Members may remove any item from the Consent Agenda by notifying the Board Chair.

**MOTION:** Move to approve the Consent Agenda item 3A-1 Minutes.

Moved by: \_\_\_\_\_ Second by: \_\_\_\_\_ Vote: \_\_\_\_\_

1. Discussion/For Possible Action –Minutes.
  - July 11, 2019
  - August 8, 2019

**PUBLIC COMMENT**

**B. OLD BUSINESS**

1. Board Members –*Robinson Nevada Mining Company (RNMC)* representative – Discussion/For Possible Action – Update to the Utility Board on the *Robinson Nevada* Development, Ruth Pit Development and water mitigation efforts within the City of Ely.

**PUBLIC COMMENT**

**C. NEW BUSINESS**

1. Board Members – City Clerk Lee – [Discussion/For Possible Action](#) – Opening of Georgetown Ranch lease bids and recommendation of bid award to City Council.
2. Board Members – City Engineer Almberg – Discussion/For Possible Action – Recommendation of Approval of Grant of Easement and Grant of Construction Easement Agreement between the City of Ely and Robert Scherrer and Sharlene Stewart, Joint Tenants with right of Survivorship.
3. Mayor Robertson – Discussion/For Possible Action – Recommendation of Approval of request by Mary Sorenson to waive Landfill metal disposal fees for a park clean up in the town of Ruth.
4. Board Members – City Clerk Lee – Discussion/For Possible Action – Recommendation to approve the Nevada Department of Transportation’s request to waive landfill disposal and water construction fees for Phase I of the Ely Roadway Rehabilitation Project.
5. Board Members – Public Works Supervisor Cracraft – [Discussion/For Possible Action](#) – Recommendation to purchase a PLC upgrade for approximately \$32,259.74 and a SCADA subscription, \$75.00 per month, for the Waste Water Treatment Plant.
6. Board Members – City Clerk Lee – [Discussion/For Possible Action](#) – Recommendation of approval of City of Ely Water Conservation Plan Update draft, to be submitted to the Nevada Division of Water Resources for final approval.

**4. CITY DEPARTMENT REPORTS**

- **BOARD MEMBERS**
- **COUNCILMAN CARSON**
- **CITY PUBLIC WORKS SUPERVISOR**
- [CITY WATER OPERATOR](#)
- [CITY WATER/SEWER LEADMAN](#)
- [CITY LANDFILL LEADMAN](#)
- **CITY CLERK**
- **CITY ATTORNEY**
  - ❖ [Liens](#)
- **CITY TREASURER**
- **CITY ENGINEER**

**5. PUBLIC COMMENT:** Comments not exceeding three (3) minutes in length will be accepted from the general public in attendance. If any are made, there may be discussion upon those comments. No vote, decision, or action may be taken upon matters raised under this item until it is formally placed on the agenda. "Section 7.05, of the Nevada Open Meeting Law Manual indicates that the Public Body may prohibit comment if the content of the comments is a topic that is not relevant to or within the authority of the Public Body or if the content of the comments is willfully disruptive of the meeting by being irrelevant, repetitious, slanderous, offensive, inflammatory, irrational or amounting to personal attacks or interfering with the rights of other speakers".

**6. ADJOURNMENT: THIS MEETING MAY BE ADJOURNED BY APPROPRIATE MOTION OF THE MUNICIPAL UTILITY BOARD.**

\*\* Open session – Action/Discussion – Personnel\*\*

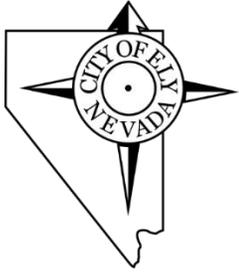
The meeting may be closed by appropriate motion for the purpose of discussion on any matter allowed under N.R.S. 241.031 and 241.033, (1) nothing contained in this chapter prevents a public body from holding a closed meeting to consider the character, alleged misconduct, professional competence or physical or mental health of a person/employee. (2) A public body may close a meeting upon a motion, which specifies the nature of the business to be considered. (3) This chapter does not: (a) Apply to judicial proceedings. (b) Prevent the removal of any person who willfully disrupts a meeting to the extent that its orderly conduct is made impractical. (c) Prevent the exclusion of witnesses from a public or private meeting during the examination of another witness. (d) Require that any meeting be closed to the public. (e) Permit a closed meeting for the discussion of the appointment of any person to public office or as a member of a public body. (4) The exception provided by this section, and electronic communication, must not be used to circumvent the spirit or letter of this chapter in order to discuss or act upon a matter over which the public body has supervision, control, jurisdiction or advisory powers.

In accordance with Federal civil rights law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, the USDA, its Agencies, offices and employees, and institutions participating in or administering USDA programs are prohibited from discriminating based on race, color, national origin, religion, sex, gender identity (including gender expression), sexual orientation, disability, age, marital status, family/parental status, income derived from a public assistance program, political beliefs, or reprisal or retaliation for prior civil rights activity, in any program or activity conducted or funded by USDA (not all bases apply to all programs). Remedies and complaint filing deadlines vary by program or incident. Persons with disabilities who require alternative means of communication for program information (e.g., Braille, large print, audiotope, American Sign Language, etc.) should contact the responsible Agency or USDA's TARGET Center at (202) 720-2600 (voice and TTY) or contact USDA through the Federal Relay Service at (800) 877-8339. Additionally, program information may be made available in languages other than English. To file a program discrimination complaint, complete the USDA Program Discrimination Complaint Form, AD-3027, found online at <http://www.ascr.usda.gov/complaintfilingcust.html> and at any USDA office or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632-9992. Submit your completed form or letter to USDA by: Mail: U.S. Department of Agriculture, Office of the Assistant Secretary for Civil Rights, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410; Fax: (202) 690-7442; or Email: [program.intake@usda.gov](mailto:program.intake@usda.gov).

For access to the public packet, contact the City Clerk at 501 Mill Street, Ely, Nevada 89301 or call (775) 289-2430; all packet material is posted in the agenda's hyperlinks or under "Minutes" /"Other" on the City's website at <http://www.elycity.com/>

I, Jennifer Lee, City Clerk, did cause to be posted on **September 10, 2019 at 8:00 a.m.** five (5) notices of the Ely Municipal Utilities Board **CANCELLED** Agenda in said City of Ely to wit: Posted at the doors or bulletin boards of City Hall located at 501 Mill Street, White Pine County Library located at 950 Campton Street, White Pine County Courthouse located at 801 Clark Street, the U.S. Post Office located at 2600 Bristlecone Avenue and the White Pine County Sheriff's Office located at 1785 Great Basin Boulevard. The meeting notice is also posted on the City of Ely's website at <http://www.elycity.com> and the State of Nevada Public Notices website at <http://notice.nv.gov>.

  
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# CITY OF ELY

501 Mill Street Ely, Nevada 89301

City Hall (775) 289-2430

Fax (775) 289-1463

**Date:** September 6, 2019  
**To:** Mayor Robertson  
City Council Members  
Utilities Board Members  
**From:** Carl Siemer  
**Subject:** Monthly Report – **August Water & Sewer**

## DIGS

- 820 Ave. N
- 7<sup>th</sup> & Morley
- WPHS

## SEWER RODDING

- Washington Federal
- Industrial Park
- Bristlecone Apartments
- 15<sup>th</sup> & Ely

## MAINS

- None

## WELLS:

- RW-7 running about 2,600-2,700 GPM
- 17<sup>TH</sup> & M well running at 1,400 GPM
- 10<sup>th</sup> & M well: Refurbishment is ongoing. Currently the well will run at 53 Hz and 980 GPM to the concrete tank. 48.50 Hz/950 GPM to the lower section (Court House tank).

## MISC:

- Monthly coliform samples complete
- Monthly meter reads complete
- Still working on NDOT locates for the Aultman job
- Lead/Copper Rule is complete
- Non-Payment shut offs complete

# **CITY OF ELY**

## **Water Conservation Plan**

**October 10, 2019**

**City of Ely  
501 Mill Street  
Ely, NV 89301 (775)-289-2430**

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## **I. Introduction**

- A. The water supply in Nevada is a precious commodity and plays an important role in determining Nevada's future. Nevada is one of the driest states in the nation as well as one of the fastest-growing ones. Nevada's future, both from an economical and quality of life view, depends heavily upon the wise management of the water supply.
- B. Groundwater, in general, provides about 40 percent of the total water supply used in Nevada. In some areas, groundwater provides the entire water supply. Groundwater usage may vary considerably from year-to-year as it is sometimes pumped to supplement surface water sources.
- C. Water use in Nevada can be classified as:
1. Domestic (household, both indoor and outdoor) – Met by public supply or private supply (e.g., wells).
  2. Commercial (businesses) – Met by public supply or private supply (e.g., non-community systems).
  3. Industrial (manufacturing/construction) – Met by public supply or private supply (e.g. non-community systems).
  4. Thermolectric (electric/fossil fuel/geothermal power generation) – Met by public supply in a minor fraction.
  5. Mining (mining processes) – Supply source varies widely from operation to operation and is dependent upon the mineral being recovered and the recovery process employed.
  6. Irrigation (land use) – Met by self-supplied or supplied by irrigation companies or districts.
  7. Livestock (farm needs) – Supply source varies.
- D. While all classifications of water usages have shown an increase over the years, it has historically been irrigation water use which has accounted for the majority of the water use in Nevada.
- E. It has been estimated that domestic water use accounts for less than 15 percent of the water used in Nevada, but this is expected to rise to nearly 25 percent as the population increases (based upon existing water use patterns and conservation measures). It is expected that Nevada's population will become increasingly concentrated in its primary urban areas of Las Vegas (Clark County), Reno/Sparks (Washoe County) and Carson City, with varied spillover effects on neighboring counties.

- F. It is vitally important that all residents understand the fundamental science of water, how it is managed in the state, and the issues affecting its management. Water education must become a priority and must include education of children as they are our future.
- G. Because Nevada does not have a comprehensive state-wide conservation program, it is reliant upon the individual water suppliers for developing their own conservation programs. In 1991, Nevada enacted a law requiring the adoption of conservations plans by water suppliers. Minimum standards for plumbing fixtures were adopted in 1991 (Assembly Bill 359) by Nevada and in 1992 minimum flow standards for plumbing fixtures were adopted by the federal government (National Energy and Policy Conservation Act).
- H. Conservation is an essential part of ensuring adequate water supply as it is no longer feasible to develop new sources. It has proven to be a cost-effective way to reduce demands and/or to extend a given water supply. It can easily be pursued by all water users regardless of the water system type. Key to evaluating the program's effectiveness is the water use measurement (through meters and other measurement devices). Various conservation measures can be put into place, and the achievement of the goals set with these measures is vital to combating the expected increase in water usage.
- I. This plan is available for inspection during normal business hours at City Hall, 501 Mill Street, Ely, Nevada as well as on the City of Ely's website at [www.elycity.com](http://www.elycity.com).
- J. This is the original Water Conservation Plan for the City of Ely's Municipal Water system, other than the drought plan previously submitted to the State as mandated which limited outside watering from May to October of each year to even and odd-numbered days and time of day authorized for watering.
- K. In accordance with NRS 540.131, this plan will be reviewed from time-to-time to reflect changes and must be updated every five (5) years to comply with NRS 540.131 and NRS 540.141. The next update of this plan is to be on, or before, June 30, 2024, by the Municipal Utilities Board, the Planning Commission and the City Council in a public meeting as required by NRS 241A, as amended from time to time.

## **II. Statutory Requirements**

- A. This water conservation plan was prepared by the City of Ely Planning Commission, City of Ely Municipal Utilities Board, the City Water Operator, the City Engineer, the City of Ely Municipal Water Department and the Ely City Council in accordance with Nevada Revised Statute (NRS) 540. As outlined in NRS 540.141, the provisions of this plan must include:

B. General Provisions:

1. The supplier must provide an opportunity for any interested person, to submit written views and recommendations on the plan.
2. The plan must be reviewed by the Division of Water Resources after its submission and approved for compliance with regulations before it is adopted by the supplier of water. To be approved, a plan must be based on the climate and living conditions of the service area and comply with the requirements of the regulations.
3. The plan and any revisions must be available for inspection by members of the public during office hours of the supplier.
4. The plan may be revised from time to time to reflect the changing needs and conditions of the service area.
5. The supplier must update the plan and submit for approval every 5 years and comply with the requirements of this NRS 540.131 and NRS 540.141.
6. The City Council, as the governing body of the city, shall:
  - a. Adopt any ordinances necessary to carry out a plan of water conservation adopted which applies to property within its jurisdiction;
  - b. Establish a schedule of fines for the violation of any ordinances adopted; and
  - c. Hire such employees as it deems necessary to enforce the provisions of any ordinances it adopts pursuant to the plan.

C. Required Provisions of Water Conservation Plan:

1. Methods of public education:
  - a. Increase public awareness of the limited supply of water in this State and the need to conserve water.

- b. Encourage reduction in the size of lawns and encourage the use of plants that are adapted to arid and semiarid climates.
    - c. Specific conservation measures required to meet the needs of the service area.
  2. The management of water to:
    - a. Identify and reduce leakage in water supplies, inaccuracies in water meters and high pressure in water supplies, and
    - b. Where applicable, increase the reuse of effluent.
  3. A contingency plan for drought conditions that ensures a supply of potable water.
  4. A schedule for carrying out the plan.
  5. A plan for how the supplier of water will progress towards the installation of meters on all connections.
  6. Standards for water efficiency for new development.
  7. Tiered rate structures for the pricing of water to promote the conservation of water, including, without limitation, an estimate of the manner in which the tiered rate structure will impact the consumptive use of water.
  8. Watering restrictions based on the time of day and the day of the week.
  9. Measures to evaluate the effectiveness of the plan or joint plan.
  10. For each conservation measure specified in the plan or joint plan, an estimate of the amount of water that will be conserved each year as a result of the adoption of the plan stated in terms of gallons of water saved annually.

### **III. System Description**

- A. Ely Municipal Water system is a publicly owned water system, servicing residential, commercial and industrial water system and has a current water operation permit, NV0000038. As of March 1, 2019, the Ely Municipal Water system serves water to 2383 residential water customers and 214 business customers in its service area. Of these water users, 2169 are currently billed on a flat rate basis. The service area boundaries are

the incorporated city limits and certain housing sub-divisions and the industrial complex located in the unincorporated White Pine County and cover approximately five square miles. The service area's terrain is a combination of hills and flat areas.

- B. The estimated population served in 2018 was 4149 people based upon the census from the state of Nevada. Ely Municipal Water system estimates that its customer base will decrease by -2.8% on a yearly basis through 2020. The State of Nevada, through its State Water Plan, estimates the population decrease for White Pine County through 2020 to be -0.2 % annually.
- C. The water supply is from six groundwater wells which are located within the which is located within the Steptoe Valley Basin. There is a total of six (6) wells supplying the system and a total of five (5) storage tanks. Each of these is identified in the tables below (Table 1 and Table 2).

Table 1 – Source of Supply

Well No.	Depth (ft)	Production (gpm)
RW-7P	1003	2,700
Terrace	607	500
North Street	225	700
Golf Course	670	800
10 <sup>th</sup> and M	405	800
17 <sup>th</sup> and M	300	1,350

Table 2 – Storage Tanks

Storage Tank Name	Volume (gallons)
Ward Tank	500,000
South Tank	1,000,000
Concrete Tank	2,000,000
Courthouse Tank 1	1,500,000
Courthouse Tank 2	1,000,000
North Tank	1,500,000

- D. Ely Municipal Water system has been granted water rights in the total amount of 13.366.65 Acre Feet Annually. The current water rights are listed in the table below (Table 3).

Table 3 – Water Rights

Permit No.	Well No. & Name	Rate of Diversion (max, CFS)	Annual Use (AFA)
45168	North Street	1.5	167.75
45169	10 <sup>th</sup> and M	1.15	166.49
45170	10 <sup>th</sup> and M	1.15	166.49
60665	17 <sup>th</sup> and M	3	2171.92
78698	Golf Course	3.68	2664
78699	Terrace	3.68	2664
79837	RW-6P	0.5	362
79839	RW-6P	5.25	2389.23
79841	RW-7P	5.75	2612.77
87608T	Gun Range	0.018	2

The City of Ely Water system is currently not using RW-6P; the water level has gone below the pump. There are no plans to abandon the well as of now; it will be on standby.

- E. Water is pumped via wells, or booster pumps to the storage tanks. The water is not treated but chlorinated in the storage tanks to ensure minimum standards for potable water is maintained. Our distribution mains vary in size from 4” to 20”. The water system is monitored using a SCADA operating system.
- F. Ely Municipal Water system requires, at a minimum, a D-III operator. The City currently contracts with Raul Naranjo as its Direct Responsible on Charge (DRC). Mr. Naranjo is the designated operator for the water and sewer systems. He lives in Wendover, Nevada but keeps in contact with the employees of the water system and does site visits every two weeks.
- G. The water system operator is required to perform monitoring and testing of water quality as directed by the state of Nevada Environmental Protection Agency and includes, monthly, quarterly, and annual testing. Ely Municipal Water system does not currently have any outstanding water quality issues.
- H. The last sanitary survey performed by the Nevada Department of Environmental Protection (NDEP) was completed on September 13, 2018, and shows thirteen (13) deficiencies with the system which have all been addressed. A copy of action items can be obtained by requesting a copy at the city office.

- I. Ely Municipal Water system currently charges a flat rate for residential water, metered rates for industrial and business uses. It does not currently have a tiered rate usage fee.

Residents are billed a flat rate of \$22.66 per month with a capital improvement surcharge of \$10.30 per month. Unincorporated White Pine County residents are billed a flat rate of \$30.21 per month, with a capital improvement surcharge of \$13.73. These rates will increase 3% for the next couple of years, after which the city will reevaluate water rates.

Non-metered residential City of Ely customers is charged an additional \$0.23 per 100 square feet of outside landscape water usage as a surcharge, with a \$0.10 capital improvement surcharge. White Pine County customers are charged an additional \$0.08 per 100 square feet of outside landscape water usage as a surcharge, with a \$0.03 capital improvement surcharge.

City of Ely based commercial and metered customers are billed a flat rate of \$22.00 per month for the first 15,000 gallons of water used, with an additional \$10.00 capital improvement charge per month. For each one thousand gallons of water usage per month in excess of the 15,000 gallons, the commercial and metered customers are charged an additional \$0.75 per thousand gallons used. White Pine County customers are charged \$29.33 for the first 15,000 gallons of water used, with an additional \$13.33 for capital improvement charge per month. For each one thousand gallons of water usage per month in excess of the 15,000 gallons, the commercial and metered customers are charged an additional \$0.25 per thousand gallons.

All effluent discharge leaving the City of Ely wastewater treatment plant is used on the land application site reuse fields and used to flood irrigate the Georgetown Ranch for use in growing alfalfa. All excess water not used for irrigation is discharged from the Georgetown Ranch to the surface disposal site, rapid infiltration basins.

Current water rates were established in 2019 by Resolution No. 2019-05 of the City Council.

#### **IV. Plan Provisions**

- A. In accordance with NRS 540.131, this plan will be reviewed from time-to-time to reflect changes and must be updated every five (5) years to comply with NRS 540.131 and NRS 540.141. The next update of this plan is to be on, or before, June 30, 2024.
- B. Ely Municipal Water system will assign a staff member to oversee the conservation efforts and this staff member will be responsible for the implementation of conservation programs, monitoring of water use, and will review /revise the conservation plan when needed.

- C. In an effort to promote voluntary conservation and aid in Nevada’s future, Ely Municipal Water system will enact the voluntary conservation measures found in the *Conservation Measures* section. When more stringent measures are needed, the Ely Municipal Water system will enact the measures found in the *Contingency Measures* section. All measures can be found in Appendix A.
- D. As required by NRS 540.141, the water conservation plan must include the following provisions:
- a. Public Education
  - b. Conservation Measures
  - c. Water Management
  - d. Contingency Plan
  - e. Schedule
  - f. Evaluation Measures
  - g. Conservation Estimates

Each provision is discussed below.

E. Public Education

Public education is a key for cooperation with conservation efforts, so funding for public education is crucial. Ely Municipal Water system recognizes this and will establish a conservation education program and corresponding budget.

It is the goal of Ely Municipal Water system to increase public awareness to conserve water, encourage a reduction in lawn sizes, encourage the use of climate-appropriate plants, encourage the use of drip irrigation, and encourage conscious decisions for water use.

The conservation education program includes education materials such as bill inserts, pamphlets, flyers, and posters. New customers will be provided these materials when service is established while existing customers will receive these materials periodically through bill inserts or direct mail. Educational pamphlets will be provided to all customers upon request and should include an explanation of all costs involved in supplying drinking water and demonstrate how the water conservation practices will provide water users with long-term savings. Education materials should also encourage the reduction of lawn sizes, use of drip irrigation, use of climate-appropriate plants, and conservation tips and techniques (see Appendix B).

Customers should also be able to read and understand their water bills. Bills should be informative, going beyond the basic billing information. Bills should include comparisons to previous bills and tips on water conservation that can help customers make informed choices about their water usage. Bill inserts can also include this information.

Ely Municipal Water system would participate in public outreach opportunities such as Earth Day, provide information at a variety of school programs, participate at workshops for plumbers/suppliers/builders, and could provide incentives for conservation efforts (e.g., plumbing retrofit rebates, water conservation landscaping rebates, etc.).

Ely Municipal Water system could also establish a water conservation advisory committee that would involve the public in the conservation process and provide feedback to the system concerning its efforts, thus fostering support for conservation in the community.

F. Conservation Measures:

1. In an effort to promote conservation and voluntarily conserve water, Ely Municipal Water system is adopting water-use regulations to promote water conservation during non-emergency situations. These regulations include the following non-essential water use:
  - a. Use of water which results in flooding or run-off in gutters, waterways, patios, driveway, or streets.
  - b. Use of water for washing cars, buses, boats, trailers or other vehicles without a positive shut-off nozzle on the outlet end of the hose.
  - c. Use of water through a hose for washing buildings, structures, sidewalks, walkways, driveways, patios, parking lots, or other hard-surfaced areas in a manner which results in excessive run-off or waste.
  - d. Use of water for watering streets with trucks, except for initial wash-down for construction purposes (if street sweeping is not feasible), or to protect the health and safety of the public.
  - e. Use of water for construction purposes, such as consolidation of backfill, dust control, or other uses unless no other source of water or another method can be used.
  - f. Use of water for more than minimal landscaping in connection with any new construction.
  - g. Pursuant to City Code 10-2-15 (E) residential use of water for outside plants, lawn, landscape, and turf areas with even-numbered addresses watering on even-numbered days and odd-numbered addresses
2. Use of water through any connection when Ely Municipal Water system has notified the customer in writing to repair a broken or defective plumbing, sprinkler, watering or irrigation system and the customer has failed to make such repairs within five (5) calendar days after receipt of such notice.

watering on odd-numbered days beginning May 1 until September 30 of each calendar year between the hours of 5:00 am to 10:00 am and 5:00 pm to 10:00 pm. Pursuant to City Code 10-2-15 (F) commercial enterprises and businesses with water meters installed are not currently subject to the aforementioned watering restrictions.

- h. Use of water for watering outside plants and turf areas using a handheld hose without a positive shut-off valve.
- i. Use of water for decorative fountains or the filling or topping off of decorative lakes or ponds. Exceptions are made for those decorative fountains, lakes, or ponds which utilize recycled water.
- j. Use of water for the filling or refilling of swimming pools.
- k. Service of water by any restaurant except upon the request of the patron.
- l. In the event these conservation measures are insufficient to control the water shortage, Ely Municipal Water system may implement the mandatory measures discussed in the *Contingency Plan* section below.
- m. Ely Municipal Water system also promotes the development of water conserving principles into the planning, development, and management of new landscape projects such as public parks, building grounds, and golf courses. Customers are encouraged to consult with the local nursery or perform an internet search on the availability of water conservation plants and how to renovate existing landscapes. Customers are also encouraged to evaluate irrigation management systems using metering, timing, and water sensing devices.
- n. Ely Municipal Water system provides the following incentives for conservation. At present, it is not viable to offer any water conservation incentives. However, in the future, the City of Ely may consider implementing a tiered or multiple water rate structures for residential customers to reward low water customers.

G. Water Management:

- 1. Ely Municipal Water system monitors and records water levels at all water storage sites, monitoring is done by the City of Ely's SCADA System.
- 2. Due to the remote location of the City of Ely and lack of similar water systems in the immediate area, and no connection or ability to interconnect systems with the Ruth/McGill Water and Sewer GID, there are no interlocal agreements for the provision of water in the event of a catastrophic failure. However, the City of Ely Water system works with the Ruth/McGill Water and Sewer GID, as well as,

local plumbing contractors to obtain necessary parts in the event the City needs parts immediately that it does not have on hand. The City then orders the needed parts and replaces the parts with the system or contract that provided such assistance.

3. Ely Municipal Water system does not currently monitor unaccounted for water losses because customers are not metered, and there is no comparison to be made between production and customer usage. The Ely Municipal Water system does monitor production monthly and makes year-to-year comparisons.
4. Ely Municipal Water system does not currently have a formal leak detection program. Leaks are detected when notice is provided to the City by the users of the water system. All large leaks are repaired immediately and small leaks (less than 1 gallon per minute) are repaired as time permits and are usually scheduled for repair based upon the severity of the leak.
5. Metered Service: All customers whose premises are not used primarily as a residence shall be a metered service. All meters will be tested prior to installation, and no meter will be installed, which registers more than a two percent (2%) error rate.
6. A capital improvement plan is in place, is currently being funded through rates, and there are plans to replace distribution lines at their anticipated useful life. Lines that historically require an above-average number of repairs will be prioritized for earlier replacement.
7. The Ely Municipal Water system distribution system consists of seven (7) pressure zones, pressure- isolated by pressure reducing control valves. The system design is such that water pressure is in the range of 40 to 90 pounds per square inch throughout the system.
8. Ely Municipal Water system does have a system for reusing of effluent. Effluent is treated by the City of Ely's Wastewater Treatment plant and is then released into the Georgetown lease area where the water is used to irrigate leased farm land.

H. Standards for water efficiency for new development:

The City of Ely and the portions of unincorporated White Pine County served by the Ely Municipal Water system has adopted the current version of the National Plumbing Code and updates that code when the state of Nevada adopts a newer version pursuant to Title 9, Chapter 2, and applies to structures which are renovated, as well as, all new construction. The City of Ely's Building Official, who is also the Building Official for White Pine County, checks new construction, renovation, and expansions within the City and unincorporated County served by the Ely Municipal Water system to ensure

compliance with this ordinance. The Ely Municipal Water system's policy is to adhere to the planning points spelled out for new systems in NAC 445A.66735.

NAC 445A.66735 New systems: Capacity for development and treatment of water. ([NRS 445A.860](#))

1. A supplier of water for a new public water system shall ensure that, except as otherwise justified by an engineer and approved by the Division or the appropriate district board of health pursuant to subsection 2, the public water system's capacity for the development and treatment of water, whether surface water or groundwater, or both, is sufficient to provide, when the demand for water in the area of service of the system is:
  - (a) Not more than 100 residential equivalents, at least 2 gallons per minute per residential equivalent for metered systems and 2.5 gallons per minute per residential equivalent for unmetered systems.
  - (b) More than 100 but not more than 250 residential equivalents, at least 1.5 gallons per minute per residential equivalent for metered systems and 2 gallons per minute per residential equivalent for unmetered systems.
  - (c) More than 250 but not more than 500 residential equivalents, at least 1.2 gallons per minute per residential equivalent for metered systems and 1.7 gallons per minute per residential equivalent for unmetered systems.
  - (d) More than 500 residential equivalents, at least 1 gallon per minute per residential equivalent for metered systems and 1.5 gallons per minute per residential equivalent for unmetered systems.
2. The Division or the appropriate district board of health may, after evaluation on a case-by-case basis, revise the minimum requirements set forth in subsection 1 when an area of service involves unique circumstances or applications of water, including an area of service that contains mines or large residential lots or has extraordinary industrial, institutional, commercial or other nonresidential needs.

I. Contingency Plan:

1. The objective of the contingency plan would be to manage the available resources to ensure the continued supply of potable water during periods of drought or extended drought.
2. It is envisioned that voluntary conservation will be sufficient to ensure an adequate supply of water and reduce water usage. However, if a sustained

drought is encountered, it may be necessary to implement mandatory restrictions in order to ensure an adequate supply of water to meet essential needs.

3. Ely Municipal Water system's plans for drought response would be three (3) stages of drought response: (1) warning stage, (2) alert stage, and (3) emergency stage. ***THIS IS BASED UPON THE STATE OF NEVADA DROUGHT RESPONSE.*** The stages are described as follows:
  - a. In Stage 1, the warning stage, Ely Municipal Water system would increase monitoring of its water supplies and would begin creating public awareness of the water supply situation and the need to conserve. Conservation measures at this stage would be voluntary. Retrofit kits (low-flow faucet aerators, low-flow showerheads, leak detection tablets, and replacement flapper valves) can be made available, or at cost, and can be actively distributed, if needed.
  - b. In Stage 2, the alert stage, Ely Municipal Water system would call for wide-based community support to achieve conservation, limit the use of fire hydrants to fire protection uses (by requiring effluent for construction and dust control purposes), implement water use restrictions, and impose penalties for ignoring the restrictions. Conservation measures at this stage would be mandatory and violations would incur fines.
  - c. In Stage 3, the emergency stage, Ely Municipal Water system would declare a drought and water shortage emergency, would enforce water use restrictions, impose fines for violations, implement the allocation of water (rationing) and impose higher fees for water usage. Media relations would be activated in order to inform the customers, and monetary assistance may need to be secured in an effort to mitigate the effects of the drought (e.g., federal funding assistance). Conservation measures at this stage would be mandatory, rationing would be imposed, violations would incur fines, and over-use would be penalized by higher rates.
  - d. When a drought is declared over, voluntary conservation measures (see ***Conservation Measures*** section) will be reinstated, and water supplies would continue to be monitored.

J. Schedule:

1. All of the provisions listed are not currently in place and are actively working to achieve results.

K. Evaluation Measurements:

1. Because individual customers are not currently metered, it is impossible to determine the effectiveness of each plan element on an individual customer basis. However, Ely Municipal Water system can evaluate the effectiveness of each plan element from the perspective of the whole system. In that regard, as a plan element is activated (e.g. mailing literature or declaring a drought stage), production figures will be compared to same-month historical data to estimate the plan element's effectiveness. This information will be utilized as a basis for any future water conservation plan revision and plan elements.
2. If there is a decrease in production as a result of a particular measure/incentive, that measure/incentive can be expanded or improved upon, if possible. If it is discovered that a particular measure/incentive is ineffective, it will be discontinued, and a new one can then be implemented to take its place.
3. Once the metering program is completely instituted, then an audit comparing water production with metered amounts will be performed prior to the implementation of measures/incentives. Additional audits will then be done every year thereafter. Results from the initial audit will be compared with those of the subsequent annual audits in order to determine the effectiveness of the measures/incentives.
4. As a plan element is activated (e.g., mailing literature or declaring a drought stage), production figures will be compared to same-month historical data to estimate the plan element's effectiveness. This information will be utilized as a basis for any future water conservation plan revision and plan elements.
5. Usage amounts measured will include summer use, average use per connection, and per capita use. If there is a decrease in usage as a result of a particular measure/incentive, that measure/incentive can be expanded or improved upon, if possible. If it is discovered that a particular measure/incentive is ineffective, it will be discontinued, and a new one can then be implemented to take its place.
6. In addition to changes resulting from audits, updates, and modifications to conservation measures/incentives there will be changes made to meet changing conditions (e.g. customer growth and demand, changing use, new technologies, etc.).

L. Conservation Estimates:

1. It is estimated that metering alone will be the major driver of conservation, by raising awareness of individual account use. Metering alone, without a rate structure change, but with the public education elements, can be expected to provide a 10 % reduction in water use.

2. During the Stage 1 phase of the conservation plan, it is estimated that conservation measures could be expected to provide a 5-10 % reduction in water use or 24 gpcpd.
3. During the Stage 2 phase of the conservation plan, it is estimated that conservation measures could be expected to provide a 10-15 % reduction in water use or 40 gpcpd.
4. During the Stage 3 phase of the conservation plan, it is estimated that conservation measures could be expected to provide a 15-30 % reduction in water use or 70 gpcpd.
5. The estimated water savings for various end-user efforts can be found in Appendix C.

M. Rate Analysis:

1. Tiered rate structures for the pricing of water to promote the conservation of water, including, without limitation, an estimate of the manner in which the tiered rate structure will impact the consumptive use of water.
2. The charging of variable rates for the use of water has sometimes been shown to encourage conservation of water, but not in all systems. Oftentimes the end-user will continue to pay increasing block rates out of necessity for the water used. The use of variable water rates needs to be evaluated on a case-by-case basis.
3. At this time, the Ely Municipal Water system does not anticipate any further water conservation savings due to a change in the rate structure. Ely Municipal Water system will continue to monitor the water usage and will re-visit this issue each time rates are reviewed. If so warranted, a change in rates will occur, and this conservation plan will be updated to reflect the new rates.

## **APPENDICES**

## **APPENDIX A**

### **CONSERVATION MEASURES**

#### **I. Stage 1 – Warning Stage**

1. Ely Municipal Water system would increase monitoring of water supplies.
2. Ely Municipal Water system would begin creating public awareness of the water supply situation and the need to conserve.
3. Ely Municipal Water system would inform customers of voluntary conservation measures (non-essential water uses, listed below).
  - a. Use of water through any connection when Ely Municipal Water system has notified the customer in writing to repair a broken or defective plumbing, sprinkler, watering or irrigation system and the customer has failed to make such repairs within 5 days after receipt of such notice.
  - b. Use of water which results in flooding or run-off in gutters, waterways, patios, driveway, or streets.
  - c. Use of water for washing aircraft, cars, buses, boats, trailers or other vehicles without a positive shut-off nozzle on the outlet end of the hose. Exceptions include washing vehicles at commercial or fleet vehicle washing facilities operated at fixed locations where equipment using water is properly maintained to avoid wasteful use.

- d. Use of water through a hose for washing buildings, structures, sidewalks, walkways, driveways, patios, parking lots, tennis courts, or other hard-surfaced areas in a manner which results in an excessive run-off or waste.
  - e. Use of water for watering streets with trucks, except for initial wash-down for construction purposes (if street sweeping is not feasible), or to protect the health and safety of the public.
  - f. Use of water for construction purposes, such as consolidation of backfill, dust control, or other uses unless no other source of water or another method can be used.
  - g. Use of water for more than minimal landscaping in connection with any new construction.
  - h. Pursuant to City Code 10-2-15 (E) residential use of water for outside plants, lawn, landscape, and turf areas with even-numbered addresses watering on even-numbered days and odd-numbered addresses watering on odd-numbered days beginning May 1 until September 30 of each calendar year between the hours of 5:00 am to 10:00 am and 5:00 pm to 10:00 pm. Pursuant to City Code 10-2-15 (F) commercial enterprises and businesses with water meters installed are not currently subject to the aforementioned watering restrictions.
  - i. Use of water for watering outside plants and turf areas using a handheld hose without a positive shut-off valve.
  - j. Use of water for decorative fountains or the filling or topping off of decorative lakes or ponds. Exceptions are made for those decorative fountains, lakes, or ponds which utilize recycled water.
  - k. Use of water for the filling or refilling of swimming pools.
  - l. Service of water by any restaurant except upon the request of the patron.
4. Ely Municipal Water system would provide customers with retrofit kits either at cost or free.

**II. Stage 2 – Alert Stage**

- 1. Ely Municipal Water system would set conservation goals and call for community wide support to achieve those goals.

2. Ely Municipal Water system would inform customers of mandatory conservation measures (non-essential water uses, listed in Stage 1 are now mandatory).
3. Ely Municipal Water system would inform customers of penalties if mandatory conservation measures are not observed (penalties are listed below).
4. Ely Municipal Water system would inform customers of mandatory conservation water fees.
5. Ely Municipal Water system limits the use of fire hydrants to fire protection uses only.
6. Ely Municipal Water system would provide customers with retrofit kits either at cost or free.
7. Pursuant to City Code 10-2-16, penalties for violation of mandatory conservation measures are:
  - a. First offense: Written warning issued by the city administrator, sent to the property owner.
  - b. Second offense: A civil fine, payable to the city of Ely, in the amount of fifty dollars (\$50.00).
  - c. Third offense: A misdemeanor with a minimum fine of one hundred fifty dollars (\$150.00), plus court costs and fees.
  - d. Fourth offense: A misdemeanor with a minimum fine of five hundred dollars (\$500.00), plus court costs and fees.
  - e. Fifth offense – turn-off of water services.
  - f. Offenses for separate water use restriction violations will each start at the warning stage (1<sup>st</sup> violation), and the penalties for the offenses are in addition to the regular rate schedule charges.
8. Stage 2 water rates would include an additional monthly water usage fee of or another such fee as deemed necessary.
9. Stage 2 water rates would be times the normal quantity rate, or as deemed necessary.

10. A flow restrictor can be installed if the customer is non-responsive after the 1<sup>st</sup> violation. The flow restrictor shall not restrict water delivery by greater than 50% of normal flow and shall provide the premise with a minimum of 7500 gallons/month. The flow restrictor may be removed only by the utility, only after a 30-day period has elapsed and only upon payment of the appropriate removal charge of:

a.	<u>Connection Size</u>	<u>Removal Charge</u>
	5/8-inch to 1-inch	\$25.00
	1-1/2-inch to 2-inch	\$50.00
	3-inch and larger	Actual Cost

- b. If, after the removal of the flow restrictor, any non-essential or unauthorized use of water shall continue, another flow restrictor may be installed and shall remain in place until water supply conditions warrant its removal and the appropriate charge for removal has been paid.

### III. Stage 3 – Emergency Stage

1. Ely Municipal Water system would declare a drought and water shortage emergency and use media relations to supplement efforts to keep customers informed.
2. Ely Municipal Water system would set rationing benchmarks for each customer class.
3. Ely Municipal Water system would inform customers of prohibited water uses (non-essential water uses, listed in Stage 1 are now prohibited).
4. Ely Municipal Water system would inform customers of penalties if prohibited measures are not observed (penalties are listed below).
5. Ely Municipal Water system would inform customers of rationing water fees.
6. Ely Municipal Water system would limit the use of fire hydrants to fire protection uses only.
7. Ely Municipal Water system would provide customers with retrofit kits either at cost or free.

8. Ely Municipal Water system would seek monetary assistance in an effort to mitigate the drought (e.g., federal funding).
9. Offenses for separate water use restriction violations will each start at the warning stage (1<sup>st</sup> violation), and the penalties for the offenses are in addition to the regular rate schedule charges.
10. Stage 3 water rates would include an additional monthly water usage fee as deemed necessary.
11. Stage 3 water rates can be structured to be greater than normal quantity rates at times of emergencies.
12. The City of Ely may enforce penalties for violation of prohibited water use measures, as deemed necessary by the governing board. Examples of these penalties could be: Pursuant to City Code 10-2-16:
- a. 1<sup>st</sup> violation – written warning.
  - b. 2<sup>nd</sup> violation – \$500.00 civil fine, added to the water bill
  - c. 3<sup>rd</sup> violation – turn-off of water services.
13. The City of Ely may install a flow restrictor if the customer is not-responsive after the 1<sup>st</sup> violation. The flow restrictor shall not restrict water delivery by greater than 50% of the normal flow and shall provide the premises with a minimum of 7500 gallons per month.

The flow restrictor may be removed only by the City of Ely, only after a 30-day period has elapsed and only upon payment of the appropriate removal charge as deemed necessary by the governing board. Examples of these removal charges could be:

<u>Connection Size</u>	<u>Removal Charge</u>
5/8-inch to 1-inch	\$25.00
1-1/2-inch to 2-inch	\$50.00
3-inch and larger	Actual Cost

If, after the removal of the flow restrictor, any non-essential or unauthorized use of water shall continue, another flow restrictor may be installed and shall remain in place until water supply conditions warrant its removal and the appropriate charge for removal has been paid.

14. If any customer seeks a variance from the provisions of Stage 3, then that customer shall notify Ely Municipal Water system in writing, explaining in detail

the reason for such a variation. Ely Municipal Water system shall respond to each request.

**APPENDIX B**  
**PUBLIC EDUCATION MATERIALS**

## **I. Public Education Materials:**

1. There are several publications available for use at U.S. EPA website for general distribution (currently located at <http://epa.gov/watersense/pubs/index.htm#ideas>).

These publications include such topics as:

- Simple Steps to Save Water,
- Ideas for Residences,
- Ideas for Commercial,
- Using Water Wisely In the Home,
- Outdoor Water Use in the US,
- Toilet Flush Facts,
- Watering Can Be Efficient,
- Irrigation Timers for the Homeowner, and
- Water Efficient Landscaping,

2. These publications can be utilized until Ely Municipal Water system develops system-specific publications.

3. There is also numerous website that provides tips for conserving water. One of these is: <http://www.wateruseitwisely.com/100-ways-to-conserve/index.php>. Customers can be directed to this website for tips to conserve water.

4. Specific tips for landscaping that can be provided to the customers are listed below. During drought conditions, outdoor watering restrictions may be imposed, and therefore, some of the following tips will not apply.

## **II. Tips for Landscaping**

1. Watering:

- a. Detect and repair all leaks in irrigation systems.
- b. Use properly treated wastewater for irrigation where available.
- c. Water the lawn or garden during the coolest part of the day (early morning is best). Do not water on windy days.
- d. Water trees and shrubs, which have deep root systems, longer and less frequently than shallow-rooted plants which require smaller amounts of water more often. Check with the local nursery for advice on the amount and frequency of watering needed in your area.
- e. Set sprinklers to water the lawn or garden only—not the street or sidewalk.

- f. Use soaker hoses and trickle irrigation systems.
- g. Install moisture sensors on sprinkler systems.

2. Planting:

- a. Have your soil tested for nutrient content and add organic matter if needed. Good soil absorbs and retains water better.
- b. Minimize turf areas and use native grasses.
- c. Use native plants in your landscape—they require less care and water than ornamental varieties.
- d. Add compost or peat moss to soil to improve its water-holding capacity.

3. Maintaining:

- a. Use mulch around shrubs and garden plants to reduce evaporation from the soil surface and cut down on weed growth.
- b. Remove thatch and aerate turf to encourage the movement of water to the zone.
- c. Raise your lawnmower cutting height to cut grass no shorter than three inches—longer grass blades encourages deeper roots, help shade soil, cut down on evaporation, and inhibit weed growth.
- d. Minimize or eliminate fertilizing, which requires additional watering, and promotes new growth, which will also need additional watering.

root

4. Ornamental Water Features:

- a. Do not install or use ornamental water features unless they recycle the water. Use signs to indicate that water is recycled. Do not operate during a drought.

**APPENDIX C**  
**END-USER WATER SAVINGS**

**I. Here are just a few of the end-user water savings that could be realized:**

**1. Leaky Faucets**

**Issue:** Leaky faucets that drip at the rate of one drip per second can waste more than 3,000 gallons of water each year.

**Fix:** If you're unsure whether you have a leak, read your water meter before and after a two-hour period when no water is being used. If the meter does not read exactly the same, you probably have a leak.

**2. Leaky Toilets**

**Issue:** A leaky toilet can waste about 200 gallons of water every day.

**Fix:** To tell if your toilet has a leak, place a drop of food coloring in the tank; if the color shows in the bowl without flushing, you have a leak.

**3. Showering**

**Issue:** A full bathtub requires about 70 gallons of water while taking a five-minute shower uses 10 to 25 gallons.

**Fix:** If you take a bath, stopper the drain immediately and adjust the temperature as you fill the tub.

**4. Brushing Teeth Wisely**

**Issue:** The average bathroom faucet flows at a rate of two gallons per minute.

**Fix:** Turning off the tap while brushing your teeth in the morning and at bedtime can save up to 8 gallons of water per day, which equals 240 gallons a month!

**5. Watering Wisely**

**Issue:** The typical single-family suburban household uses at least 30 percent of their water outdoors for irrigation. Some experts estimate that more than 50 percent of landscape water use goes to waste due to evaporation or runoff caused by overwatering.

**Fix:** Drip irrigation systems use between 20 to 50 percent less water than conventional in-ground sprinkler systems. They are also much more efficient than conventional sprinklers because no water is lost to wind, runoff, and evaporation. If the in-ground system uses 100,000 gallons annually, you could potentially save more than 200,000 gallons over the

lifetime of a drip irrigation system should you choose to install it. That adds up to savings of at least \$1,150!

6. **Washing Wisely**

**Issue:** The average washing machine uses about 41 gallons of water per load.

**Fix:** High-efficiency washing machines use less than 28 gallons of water per load. To achieve even greater savings, wash only full loads of laundry or use the appropriate load size selection on the washing machine.

7. **Flushing Wisely**

**Issue:** If your toilet is from 1992 or earlier, you probably have an inefficient model that uses at least 3.5 gallons per flush.

**Fix:** New and improved high-efficiency models use less than 1.3 gallons per flush—that's at least 60 percent less than their older, less efficient counterparts. Compared to a 3.5 gallons per flush toilet, a WaterSense labeled toilet could save a family of four more than \$90 annually on their water bill, and \$2,000 over the lifetime of the toilet.

8. **Dish Washing Wisely**

**Issue:** Running dishwasher partial full and pre-rinsing dishes before loading the dishwasher.

**Fix:** Run the dishwasher only when it's full and use the rinse-and-hold dishwasher feature until you're ready to run a full load. Pre-rinsing dishes does not improve cleaning and skipping this step can save you as much as 20 gallons per load, or 6,500 gallons per year. New water-saver dishwashers use only about 4 gallons per wash.

9. **Estimated water savings from EPA Water Conservation Guidelines 1998:**

Appendix B, Table B-1

Type	Estimated Usage (gpcpd)	Conservation Usage (gpcpd)	Savings (gpcpd)	Savings (%)
Toilet	18.3	10.4	7.9	43 %
Clothes Washers	14.9	10.5	4.4	30 %
Showers	12.2	10.0	2.2	18 %
Faucets	10.3	10.0	.3	3 %
Leaks	6.6	1.5	5.1	77 %

10. **Benchmarks from selected conservation measures from EPA Water Conservation Guidelines 1998:**

Appendix B, Table B-4

<b>Category</b>	<b>Measure</b>	<b>Reduction of End Use (% or gpcpd)</b>
Universal metering	Connection metering	20 %
	Sub metering	20 – 40 %
Costing and pricing	10% increase in residential prices	2 – 4 %
	10% increase in non-residential prices	5 – 8 %
	Increasing-block rate	5 %
Information and education	Public education and behavior changes	2 – 5 %
End-use audits	General industrial water conservation	10 – 20 %
	Outdoor residential use	5 – 10 %
	Large landscape water audit	10 – 20 %
Retrofits	Toilet tank displacement devices (for toilets using > 3.5 gallons/flush)	2 – 3 gpcpd
	Toilet retrofit	8 – 14 gpcpd
	Showerhead retrofit (aerator)	4 gpcpd
	Faucet retrofit (aerator)	5 gpcpd
	Fixture leak repair	0.5 gpcpd
	Governmental building (indoors)	5 %
Pressure management	Pressure reduction, system	3 – 6 % of total production
	Pressure-reducing valves, residential	5 – 30%
Outdoor water use efficiency	Low water-use plants	7.5 %
	Lawn watering guides	15 – 20 %
	Large landscape management	10 – 25%
	Irrigation timer	10 gpcpd
Replacements and promotions	Toilet replacement, residential	16 – 20 gpcpd
	Toilet replacement, commercial	16 – 20 gpcpd
	Showerhead replacement	8.1 gpcpd
	Faucet replacement	6.4 gpcpd
	Clothes washers, residential	4 – 12 gpcpd
	Dishwashers, residential	1 gpcpd
	Hot water demand units	10 gpcpd
Water-use regulation	Landscape requirements for new developments	10 – 20 % in the sector
	Greywater reuse, residential	20 – 30 gpcpd

## Jennifer Lee

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**From:** raul naranjo <tripnsd@gmail.com>  
**Sent:** Friday, September 6, 2019 10:24 AM  
**To:** JenniferLee; Mike Cracraft; Shannan  
**Subject:** Fwd: Ely SCADA Upgrade Pricing

----- Forwarded message -----

**From:** raul naranjo <tripnsd@gmail.com>  
**Date:** Fri, Sep 6, 2019 at 10:24 AM  
**Subject:** Re: Ely SCADA Upgrade Pricing  
**To:** Mark Taylor <mark.taylor@skmeng.com>

Thanks Mark, I'll forward this to the City.

On Fri, Sep 6, 2019 at 10:19 AM Mark Taylor <mark.taylor@skmeng.com> wrote:

Raul,

I've hashed this thing out with Mark J, and I am not finding a way that makes any sense to keep this around \$15k as we had hoped. The PLC and touch screen are no longer sold or available and they need to be updated. I don't want to give them a cloud SCADA without some kind of local screen. I don't see any way to make a new SCADA system and keep that equipment. The existing conduit that goes over to the garage is just too small for any kind of fiber run, so we are going to have to do a radio or trench. It is too long of a run for copper ethernet cable. So I am proposing a cloud SCADA system that just swaps out the main PLC (although we can do some basic monitoring on the centrifuge). We would add the influent flow meter, and you would also be able to see anything you see now, as well as have alarm notification, automatic reports, trending and visualization on the cloud. I would also install a screen (replacing the old existing one on the PLC panel) that would let you see everything just as you see it on the internet (even if internet is down). You would not have trending or alarm call outs from the local screen. To keep costs down, we would do a point to point radio link from the two buildings (installation is included).

Here are the numbers:

Task 1 - Main PLC Hardware	\$6,909.74
Task 2 - Touch Screen Hardware/Licensing	\$4,200.00
Task 3 - Ethernet Radios, VPN, IO Device for Flow Hardware	\$3,100.00
Task 4 - PLC and HMI Programming	\$10,450.00
Task 5 - Startup and Installation	\$7,600.00
<b>Total</b>	<b>\$32,259.74</b>

The SCADA Clouds hosting fee is \$75/month

Let me know what questions you have, or if you think I should spell this out differently. If you are OK with everything, let me know, and I will write it all up in a formal contract and proposal and email it to you.

Thanks,

Mark Taylor – Controls Engineer

SKM Engineering

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