

City of Rigby
Council Work Meeting Minutes
January 31, 2012

A special work meeting had been called and announced in the January 17, 2012 regular council meeting. The agenda had been properly posted as required by Idaho Code.

The meeting was opened at 7:00PM.

Councilmember in attendance were:

Mayor Smith; Councilman Day; Councilman Blackburn; Councilman Simonson;
Councilman Maloney; Councilwoman Hinckley; and Councilman Zimmermann
Also present: Chief Keith Hammon, Clerk David Swager

The Mayor opened the work meeting and stated the agenda for the meeting was:

- Hear an alternative regarding the 3rd West sewer lift station.
- Define the goals and objectives of the council in which they will schedule a series of *open town hall meetings* which will be held at a later date.
- Water Project loan funding.

In attendance to discuss the agenda items were: Nick Charles and Mike Jaglowski from Keller & Associates; Ted Hendricks from ECIPDA; and Willie Teuscher from DEQ.

Hear an alternative regarding the 3rd West sewer lift station.

Mike Jaglowski came forward and explained the reason for the rejection of the bids previously received on the 3rd West sewer lift station. Since that time, Keller's has received a copy of the "as built" drawings and the "original design" plans. The original design had designed two 85 hp pumps and a third 5 hp pump. The as built plans only had the two 85 hp pumps. In reviewing both plans it was determined having the three pumps would offer a better capacity and efficiency with which to operate the sewer lift station.

Jaglowski explained that presently the single 85hp pump is capable of pumping from zero flow to 2000 plus gallons per minute. The higher capacity flow occurs with high flow, roughly 4-5 months out of the year. The rest of the time average flow is under 300 gallons per minute. With the 85hp operating at the lower flow, the efficiency achieved is around 18%. The second 85 hp pump is installed as a backup and is needed per DEQ standards.

If a smaller 5hp pump were to be installed as shown in the original design it is estimated the efficiency of only using the 5 hp pump would be around 60%.

Jaglowski outlined 5 potential benefits of having 3 pumps versus the current 2 pumps:

1. Improved efficiency overall from 18% to 80%.
2. Jaglowski estimated the savings achieved in operating costs would run around \$3,500 to \$5,000 per year based on current power charges.
3. Extended design life.
4. Three pumps would give greater range of flow.
5. Installing no-clog pumps. Currently only 1 of the 85hp pumps is a no clog pump.

Jaglowksi indicated the change in design from the two pumps to installing a third and smaller pump would increase the base bid from \$162,000 to \$320,300.

Jaglowksi indicated the existing system is at the end of its design life. The pumps were installed around 10- 11 years ago. The pumps have an estimated life cycle of round 12-15 years. Some pumps he has seen are still working with 20 plus years of service. Life cycle of a pump is dependent on the amount of dirty water and other material that is sent through the sewer.

Jaglowksi also listed added changes to the lift station not in the previous bid: Changing out the VFD controllers on the existing two pumps; installing a new lower capacity pump with VFD controller; rehab the existing pump without the no clog grinder with a no clog feature; upgrade all the controllers with current state of the art electronics.

The reason to change out the existing controllers and VFD drivers was that they are brand specific to the system. Without a change in controller and VFD drivers, the city would be limited to a single supplier. Changing would allow possibly three suppliers to compete in price.

The council questioned Jaglowksi extensively on cost-benefits; rate of pay back on operating cost savings vs. cost of replacement; and options regarding size of pumps.

Council inquired if smaller horse power pumps could be used instead of the 85 hp pumps. Jaglowksi indicated based on the 2.7 million gallons per day flow 85 hp would be needed. Teuscher commented that the 85 hp pumps were the largest he has seen. Usually the pumps he has seen are around 55-65 hp. He also commented the three pumps may be able to all tie in together wherein during peak flows all three pumps would be pumping. Jaglowksi responded about the emergency backup pump if all three were pumping what the state code required about redundancy in the system. Both Jaglowksi and Teuscher will review state code on this issue.

Council commented that if smaller pumps were installed, would not the cost of having the controllers and VFD driver also be at a lower estimate than with the 85 hp. Jaglowksi and Teuscher were in agreement.

Jaglowksi indicated during high flows the systems pumps 2.7 million gallons per day. The council made inquiry as to what the expected flow would be once the sewer collection system is repaired and replaced under the current project. Jaglowksi was unable to answer the question due to unknown factors: amount of other leaks coming from lines not being repaired/replaced and the level of sub water that will occur – whether it will be a low or high sub water year.

Willie Teuscher from DEQ commented the DEQ loan could remain open pending completion of the sewer collection project wherein the city could better analyze the estimated flow and amount of infiltration.

The council requested Keller's to provide the council with cost estimates of the expected remaining life on the existing 3rd West lift station and the expected costs to maintain and replace.

Being no further questions from the council the Mayor indicated the next topic would be a discussion on the water project.

Water Project loan funding.

Willie Teuscher from DEQ commented to the council on of the reasons the city had received a high rating on the water loan was its shortage of being able to meet expected water use. Of the two items presented in the water study was the installation of water meters and/or the installation of additional storage with booster pumps. In his discussion with Keller's it appeared the city may be moving away from the installation of water meters. If in fact this was the case, then the water study needed to be resubmitted for review. Adding irrigation water as a water conservation measure would achieve water savings but from what he has reviewed not of a significant amount to offset the savings that could be obtained with metering. It had been his experience metering saves 30-35% in water usage. The city needs to follow the 4 projects identified in the study.

Councilmembers became concerned with Mr. Teuscher statements and directed a series of questions to Ted Hendricks. Councilman Day commented that during the discussion prior to the vote to proceed with judicial review, if the city could take all or none of the loan.

Ted Hendricks commented that was still the case. However, if the city decided not to proceed with either meters or additional storage capacity then the city would need to resubmit an application with DEQ or another lender that would fund the improvements wanting to be done.

Teuscher indicated that would be correct. Without meters would probably be rated lower in "green energy" points than it had received on its original application and award.

Councilman Day indicated that he had been mislead in that he was opposed with meters at the beginning but he favored correcting the lines identified as needing to be replaced but if that was not allowed then he was opposed with proceeding.

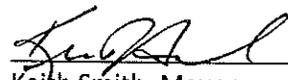
Having no further questions from the council, the Mayor thanked the participates and Jaglowski, Charles, Hendricks and Teuscher exited the meeting.

Town Hall Meetings:

Councilwoman Hinckley commented that given the discussion from the water project funding the need for future town hall meetings was not needed at this time.

Given Mayor's and council concurrence, the meeting ended at 9:40PM.

City of Rigby



Keith Smith, Mayor

ATTEST:



David Swager, Clerk