

CITY OF NORTH SALT LAKE
CITY COUNCIL MEETING
NOVEMBER 29, 2016

FINAL

Mayor Len Arave called the meeting to order at 7:07 p.m., and welcomed those present.

PRESENT: Mayor Len Arave
Councilmember James Hood
Councilmember Matt Jensen
Councilmember Stan Porter

EXCUSED: Councilmember Brian Horrocks; Councilmember Ryan Mumford; Linda Horrocks, Deputy Recorder

STAFF PRESENT: Barry Edwards, City Manager; Ken Leetham, Assistant City Manager; Paul Ottoson, City Engineer; David Frandsen, Public Works Director; Jon Rueckert, Assistant Public Works Director; Chief Craig Black, Police Chief; David Church, City Attorney; Brent Moyes, Golf Course Director; Connie Larson, Minutes Secretary.

OTHERS PRESENT: Dal Wayment, South Davis Sewer District, Angello Gazeni, Brad Rasmussen, Dallas Stanger, Amanda Smith, Scott Rogers.

1. APPROVAL OF AND AWARDDING BID FOR EAGLERIDGE STORM DRAIN
OUTFALL REPAIR PROJECT

Paul Ottoson, City Engineer, explained at the last City Council meeting, it was discussed that this project must be designed to handle a 100-year flood. A conceptual drawing showing the design of the storm drain outfall repair project was viewed. The storm drain will be constructed of concrete, welded riprap, and stone. The storm drain will have rock with top soil that will have vegetation growing on top.

Mr. Ottoson said at the last City Council meeting, it was recommended to approve the A2 Option for \$332,000 from Allied Underground Technology. Councilmember Jensen asked if there will be a roof on the storm drain. He expressed concern about someone trying to climb inside the storm drain. Mr. Ottoson said there are six-foot sidewalls but no roof, which will make it difficult to climb.

Mayor Arave asked if anyone is interested in Alternative B. Councilmember Porter asked if it would be possible to pursue a parallel pipe at the bottom to see if it could generate electricity. Mr. Ottoson said they would explore the feasibility of installing a pipe for electricity and what it would cost. Councilmember Jensen suggested looking at alternate energy dissipation solutions.

Councilmember Jensen made a motion to award the Eagleridge Storm Drain Outfall Repair Project Alternate A2 for the price of \$332,113 to Allied Underground Technologies. Councilmember Porter seconded the motion, which was passed by unanimous roll-call vote (3-0). Mayor Arave noted that Councilmembers Horrocks and Mumford were excused from the meeting.

2. CONSIDERATION OF ORDINANCE NO. 2016-17; AN ORDINANCE UPDATING THE NORTH SALT LAKE WATER CONSERVATION PLAN

Paul Ottoson, City Engineer, explained that every five years, the State Division of Water Resources requires cities to provide an updated conservation plan that is due by the end of the year. Mayor Arave asked how much more water is needed to meet buildout. Karyn Baxter, Assistant City Engineer, explained with the introduction of the secondary water, North Salt Lake will reach capacity at buildout with the sources we currently have. North Salt Lake does not have a backup source, and there is not enough water on peak days. Currently, there is just enough water capacity to meet buildout, but the City should have a back-up source of 1,000 gallons per minute on peak days.

Councilmember Porter made a motion to adopt the Water Conservation Plan Ordinance No. 2016-17. Councilmember Jensen seconded the motion, which was passed by unanimous roll-call vote (3-0).

3. CONSIDERATION OF ORDINANCE NO. 2016-17: AN ORDINANCE AMENDING THE CITY OF NORTH SALT LAKE ZONING MAP FOR PROPERTY LOCATED GENERALLY AT 1370 WEST CENTER STREET FROM NATURAL OPEN SPACE (NOS) TO GENERAL INDUSTRIAL (MG)

Ken Leetham, Assistant City Manager, explained this request is a rezoning action for the South Davis Sewer District property from Natural Open Space (NOS) to the MG Zone, which will allow for the construction of a food resource recovery plant on the south property. The proposed plan would take liquid and other food waste, and run it through a treatment process plant where methane would be captured and treated and then released. Staff went on a site visit to two plants in San Rafael, California last week. The first plant was small that receives one truck per day. The drop off of food waste takes place in enclosed building, and food odors were not an issue outside of 50 feet from the building. The second plant was larger and captures methane to generate electrical power.

Dal Wayment, General Manager, South Davis Sewer District, explained food waste is a major environmental issue in the United States. There is 35 million tons of food waste each year, and 95 percent goes into the landfills, which produces methane and hydrogen sulfuric gases. In the last ten to 15 years, there has been a significant movement in waste water treatment business driven by the EPA and water treatment plants. Along the Wasatch Front, there is 2.3 million people, which produce one ton of solid waste a year, and 20 percent is food waste. The proposed project will convert 110,000 tons of food waste for animal feed, industrial uses, and composting.

Mr. Wayment displayed a chart showing the process of how food waste is processed. This process can generate electricity with food waste; produce natural gas; generate bio-based agriculture land application; and produce commercial fertilizer that can be marketed. The proposed facility would be behind the current building to the west. This operation would receive grease, food processing waste, and bottle waste. Under current conditions, the food waste is going to landfills which produces 528,000 tons of carbon dioxide. The carbon dioxide would be reduced by 90 percent to 50,000 tons under the new process. Air quality benefits to the environment is it reduces ammonia, reduces methane, captures the carbon dioxide for growing algae, and produces water suitable for reuse, and uses no potable water in the process.

Councilmember Jensen asked if water goes through a filter to kill the algae in the process. Mr. Wayment explained the water goes through an ultrafilter of .5 microns, so there is zero suspended solids. The water is clean, and can be used for everything except for drinking. This process captures 4,500 acre feet of water a year for the City that can be used for industry, the golf course, and other watering needs. Mayor Arave stated the water from Weber Basin area is severely over allocated.

Benefits to the district and community are:

- Improved bio solids utilization options.
- Becomes energy neutral.
- Prevents the release of methane in the environment.
- Diverts waste from landfills, which extends the life of the landfill.
- Reduces emissions and creates biogas for a city the size of Bountiful. Center Street will be widened to Redwood Road, and rebuilt into a three-lane road with a wide turn lane. UDOT study shows 200 vehicle trips per day on Center Street, many of which are large trucks.

Benefits to North Salt Lake:

- North Salt Lake has the lowest sewer rates in the State.
- Last sewer increase was 28 years ago.
- Better odor control for the existing facility.
- Reclaimed waste water for irrigation and industrial needs.
- Improved air quality.

Councilmember Jensen reported he went on the field trip to the treatment plants in California. He believes there are great benefits to the State and the environment, but the cost is increased traffic and odor issues. He said there are no odors 20 feet or more away from the building, but he could smell diesel fuel from the trucks. The North Salt Lake plant will have better technology than the plants that were visited, and most residents will not see an impact. Councilmember Jensen visited the North Davis Sewer Plant on Antelope Drive, and he said the outside drying beds had the strongest odors, which odors would be eliminated by the new process.

Mr. Wayment said they have two campaigns in spring and fall, which will haul 150-200 truckloads in a two week period. The Legacy Charter School administrators support the project. At the Planning Commission meeting, the three administrators attended the meeting and spoke in favor of the project. Mr. Wayment stated the Governor's Office of Renewable Energy is supportive of this project, along with the Davis County Health Department and the Salt Lake County Health Department.

Councilmember Porter displayed a chart showing the cycle of converting food waste into renewable energy. Councilmember Hood reported the administrators are supportive of the plant, but parents of children who attend the Legacy Charter School are concerned because the school is close to the plant, and will generate more traffic. He asked why the new plant is not being placed at the north plant. Mr. Wayment explained the south plant has a Quester high pressure gas main just south of the gate, and the Kern River Pipeline is one-half mile away that provides the two major gas sources. Power is an important issue, and there is a large substation near the south plant, which makes power cheaper. The north plant would require \$500,000 to install gas lines under the Legacy Highway from the Kern River Pipeline. The access is better for the trucks at the south plant, as they cannot use the Legacy Highway. When the Sewer District was created in 1959, there were five small communities that were spread out with the Cudahy Packing Plant near the south plant. When the plants expanded in the early 1990's the capacity was doubled, with most of the capacity at the north plant. Looking to the future, the day may come when a new plant may have to be built. Another issue is the nature preserve at the north end.

At 8:05 p.m., Mayor Arave opened the public hearing for comments.

Dallas Stanger has lived in Foxboro for ten years. Prior to this, he lived in West Bountiful for 32 years. He is concerned about the cost from tax dollars to enhance Center Street in North Salt Lake, and the amount of traffic that would be generated. He believes the north facility has great access, and it is not near residential or industrial areas. Dal Wayment said the problem is putting in the natural gas line. The other facility has two large natural gas lines that would require running gas lines to the facility. There is expansion room at the north plant, and it is not next to residential, industrial, and a school. Mr. Stanger expressed concern about the large trucks that travel on Center Street.

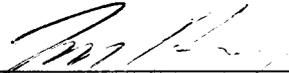
Mayor Arave explained the Center Street upgrades were planned before the sewer plant proposal, and Center Street needed to be upgraded with the new industrial park being constructed. The proposed facility at the south plant will reduce odors and generate additional water in areas that are useable for the City.

At 8:11 p.m., Mayor Arave closed the public hearing.

Councilmember Hood made a motion to continue this discussion until the next City Council meeting. Councilmember Jensen seconded the motion, which was passed by unanimous roll-call vote (3-0).

4. ADJOURN

At 8:16 p.m., Councilmember Jensen made a motion to adjourn.



Mayor



Secretary