



SPRINGVILLE UTILITY ADVISORY BOARD
ELECTRIC OPERATIONS CENTER
MULTI-PURPOSE ROOM
777 NORTH 425 WEST, SPRINGVILLE UTAH

FEBRUARY 14, 2024 - 6:30 A.M.

Monthly Utility Board meeting, held in the Electric Operations Center Multi-Purpose Room. 777 N 425 W Springville, UT 84663. Convened at 6:30 a.m.

Board Members Present:

Calvin Crandall, Bryan Boshell, Carl Burrows, Rollin Hotchkiss, Travis Ball, Nile Hatch

Staff and Council Members Present:

Brad Stapley, Public Works Director, Councilman Logan Millsap, Tyson Bartlett, Jason Riding, Jake Nostrom, Brandon Graham, Mike Pool, and Bruce Riddle, Finance Director.

Approval of Agenda:

The agenda was unanimously approved as distributed.

Approval of Minutes:

The minutes of the previous meeting were unanimously approved as distributed.

New Business:

Public Works Storm Water Master Plan Update: Presented by Jake Nostrom

The Public Works Water Department and the Springville Irrigation Company have worked together to create a new Master Plan. This plan's use has been outlined in the General Plan.

Public Works is planning for growth, and determining what upsizing will be needed whenever development occurs. This will require looking at zoning to determine what development types will be most likely occurring in the future.



There will be a review of all system-wide data, to determine and define the needs for growth following the Impact Facility Plan. This plan should be updated every few years, with a complete plan completed every five years.

There are concerns that need to be addressed, such as deciding if our fees are in line with current costs. These fees are directly correlated to capital projects and impact fees.

The board raised a question - how does Public Works figure in snowfall into the impact? Brad Stapley shared that Public Works takes into account looking at the mountain areas, as none of the City's storm drains are sized to handle runoff. To accommodate runoff, the City would have to dramatically increase the size of current storm water pipes. The City does not take into account the slopes of the mountains or runoff when developing storm water master plans.

Bruce Riddle asked, how did the lake level affect the system? And who controls the release of water into the Jordan River? Brad explained that 300 million gallons of water were released per day. Utah Lake is at a compromise level. This is concerning for development along the west side of the valley.

Jake Nostrom shared a General Plan Land Use Map, showing all zones. He also shared a master plan use map, which showed the same categories. Jake also shared a Basins and Waterways map. This showed different sizes and locations for each basin in the area. This map showed the board how Hobble Creek, Dry Creek and Spring Creek are used for drainage.

Jake Nostrom further explained to the board the existing level of service here in the City. There are different levels of service for 10, 25, and 100 year storm events. The City is designed to handle all 10 year storms. The 25 year storms are designed to be handled in the basins, and 100 year storms are designed to stay in the right of way and out of personal property. Brad Stapley noted that water in the street during 100 year storm events is ok. Houses are required by City code to be higher than the back of the curb. Some modifications have been made so as not to impact older homes, which sit lower or level to the street.

Councilman Millsap asked if the City is concerned about changing weather patterns that could impact the system. Jake Nostrom noted that the City uses a modified form of the farmer fletcher system. Brad Stapley explained that dealing with these floods can be



incredibly expensive. Board member Rollin Hotchkiss further explained to the board that changing weather patterns have not yet made it into new manuals. Few studies have indicated how best to adjust to changing weather patterns.

Jake Nostrom explained to the board that the City can either detain or convey storm water. There is a continuing discussion of release rates, and how much property should be used to detain storm water. A 3 hour, 10 year storm gives 1.16 inches of water. Regional detention facilities are better than having many private ponds. Multi use detention ponds are a good option in residential communities.

Jake Nostrom showed the board a map of existing deficiencies in the City. Not all deficiencies require capital improvements, and therefore don't necessarily warrant action. The deficiency areas are spots that Public Works is watching during every storm event. As situations warrant, action is taken. Runoff coefficients don't change much, as the East side of Springville is now mostly built out.

Jake Nostrom then showed the board a map of current capital improvement projects. Rollin Hotchkiss asked if there have been any surprises that have been discovered during these projects. Jake told the board that this is a collaborative effort, where we examine past master plans, and work together to identify problem areas. Councilman Millsap asked if the master plan takes into account the changes coming with the 1600 South interchange, as well as the Tintic railroad line. Jake Nostrom and Brad Stapley both explained that they were working closely with UDOT for the expanded roadway.

Jake Nostrom finished the presentation with a capital project summary, which included current project costs. Many of these projects will be offset by impact fees. The City will need to charge developers appropriate impact fees. These numbers will need to be adjusted, and he is hoping that this is doable politically. Brad Stapley argued that an impact fee increase should be doable, as he has done comparisons with neighboring municipalities. If development doesn't pay for the impact, Springville residents will have to absorb the cost. This is something that the board needs to think about as Public Works comes back with cost estimates.

REPORTS

Power Rate Revenue Report - Presented by Mike Pool (Power Department)

Water Rate Revenue Report - Presented by Jake Nostrom (Public Works)

Power Resource Cost Report - Presented by Mike Pool (Power Department)



Adjournment

The meeting was adjourned at 7:34 a.m.

Minutes submitted by Rachel Orme, Public Works Executive Assistant