

Hildale City/Town of Colorado City Work Session

25 South Central St., Colorado City, Arizona 86021

Friday, April 8, 2016 – Work Session

Present:

Hildale City Mayor: Philip Barlow

Colorado City Mayor: Joseph Allred

Hildale City Council Members:

Colorado City Council Members: Ralph Johnson, Sr; & Jeffery Jessop

Planning Commission Members:

Hildale City Recorder: Raymond C. Barlow

Colorado City Clerk: Vance Barlow

Hildale City Treasurer: Richard J. Barlow

Colorado City Manager: David Darger

Hildale / Colorado City Utility Board Members: Berklee Holm, Sr.; Sterling Jessop, Jr.; Patrick Johnson, & Moroni Johnson

Staff: Michelle L. Chatwin, Victor Johnson, Justin Barlow, Weston Barlow & Heber White

Presenter: Russell Funk & Derek Anderson with Sunrise Engineering

Public: Terence Cooke, Anthony Holm, Lucas Holm, Perry Holm, Jesse Barlow, Lehi David Darger

#1 Call to order: 5:06 PM

Mayor Allred called the meeting to order.

#2 Prayer

Ralph Johnson offered prayer.

#3 Water Source Master Planning & Hydrogeologic Study Presentation

Russell Funk with Sunrise Engineering introduced Derek Anderson who gave the majority of the presentation. Mr. Anderson went over the background and purpose of the hydrologic study. There are three sources of groundwater: Navajo Sandstone Aquifer, Alluvial Aquifer, and Shinarump Aquifer. The water need presents the necessity to develop additional water. A land section was presented that showed the aquifers. The Navajo Sandstone Aquifer flows generally to the south. It manifests itself through the springs. It is recharged by the Alluvial Aquifer. The Alluvial Aquifer runs along Short Creek. It flows to the southwest. It is recharged from Short Creek and unused irrigation water. Shinarump Aquifer is a confined aquifer. It generally flows to the northwest. It is recharged from the south. About a year ago a well pumping study was done. The data was used in the groundwater model that was developed. The well pumping did not greatly influence other wells. Once the data was collected, a model was created to project into the future. There was a question raised pertaining to the accuracy of the conservation efforts in the future. Mr. Anderson explained that this model is only to educate what will happen if people do conserve. His conclusion explained that groundwater is the key resource and additional water will be needed to handle projected growth. Recommendations included developing artificial recharge projects, consider other water sources, continue monitoring, and develop water sources.

Mr. Funk talked about other resource topics. Considering the benefits of retaining storm water and injecting it into the aquifer showed that it was not cost effective or beneficial. A better option would be catchment ponds that could retain and recharge the aquifers naturally. However, the aquifer can only hold so much water, then it flows away. Another option would be to put in deep wells, but they are very costly, water quality is a concern, and there is no guarantee that the production would be helpful. Wastewater reuse was another option considered, but the evaluation showed that the salinity in the wastewater is too high, there are few treatment options available, and little benefit could be achieved. Installing an irrigation system would be an option, but would be costly. Another concern was voiced regarding the unrealistic nature of the conservation efforts in the future. There was a lot of discussion regarding water conservation.

With no other business, meeting was adjourned at 6:41 P.M.

I verify that a copy of the notice and agenda was delivered to the Mayor and City Council members and posted at the City Hall, 320 E. Newel Avenue, Hildale, Utah and sent to the Utah State Public Meeting Notice coordinator.

Minutes were approved at the City Council Meeting on May 17, 2016.

Raymond C. Barlow

Raymond C. Barlow, City Recorder

