



## AGENDA

### Water, Sewer, and Solid Waste Committee

May 13, 2014

5:30 p.m. (or immediately after City Council Agenda Session)  
City Hall – Room 326

Committee: Chairman Mark Kinion; Aldermen Sarah Marsh, Martin Schoppmeyer, Alan Long

Copy to: Mayor Lioneld Jordan; Sondra Smith, Don Marr, Paul Becker, Lindsley Smith, Jeremy Pate, Chris Brown, Lynn Hyke, Peggy Bell, CH2M Hill

From: Tim Nyander, Interim Director for Water & Sewer Functions

**1. Call to Order**

**2. Roll Call**

**3. Approval of Minutes**

**4. Approval of Meeting Agenda**

**5. Old Business**

**6. New Business**

#### **Agenda Items Requiring Committee Approval**

- a. **Kessler Mountain Water Main:** A resolution awarding an Engineering Contract to Garver, LLC in an amount not to exceed \$105,600 for preliminary and final design and related services for the Kessler Mountain Water Main Improvements Project.

The Kessler Mountain Water Tanks are fed by a single 30" waterline that connects to the tanks on the north side from Finger Road. The tanks are at the end of this 30" line which means that there is only a single feed to the tanks. An additional water line connection to the system is needed to provide a loop for these tanks that will strengthen the system as well as provide a back-up feed to the tanks if the 30" main is down for maintenance. A route for this water line has been established through the proposed Regional Park Project which is on the south east side of Kessler Mountain. With the addition of this water line, the Regional Park will also have access to provide domestic and fire flows to the park development. The project includes approximately 6,500 linear feet of new 24 inch ductile iron water main from the Kessler Mountain elevated water storage tanks to Cato Springs Road.

Under this contract, Garver, LLC will provide preliminary and final design and related services for preliminary and final design and related services for the Kessler Mountain Water Main Improvements Project. Garver, LLC will also provide property surveys, legal

descriptions for easements to be acquired and related services to support property acquisition by the City. The contract amount will not exceed \$105,600.00

**STAFF REQUESTS THIS BE FORWARDED TO THE CITY COUNCIL FOR APPROVAL.**

**Other Business**

- b. **Greenland Gravity Sewer Improvements:** Bids are now being accepted until May 30, 2014 for the replacement of approximately 4,600 feet of existing 10-inch gravity sewer line with 15-inch and 18-inch gravity sewer line using open-cut and approximately 4,400 feet of existing 6-inch and 8-inch gravity sewer line using 8-inch inch pipe bursting methods.

**7. Reports**

**a. Capital Project Update**

Number	Project Description	Contractor	Cost	% Complete
1	Noland WWTF Rolling Doors	Center Point Contractors	\$64,500	0%
2	SE Fayetteville/Elkins Outfall CIPP Part 2	Suncoast Infrastructure	\$76,995.00	0%
3	Noland WWTF Rain Garden	BWD Grant	Up to \$10,000	95%
4	West Side WWTF Rain Garden	BWD Grant	Up to \$5,000	95%
5	W/S Operations Center Rain Garden	BWD Grant	Up to \$2,800	90%
6	White River Streambank Restoration	Design WCRC	\$ 577,221	In Design ETA 2015
7	Razorback Rd W/S Relocations	Fochtman Enterprise	\$ 711,834	95%
8	Water Line Relocation West Fork Bridge	Goodwin & Goodwin	\$ 1,262,647	95%
9	Swr Rehab-Cured in Place Pipe City Wide	Insituform	\$ 330,000	0%
10	South Mountain Pump Station Rehab	Design/Const In-House	\$ 200,000	75%
11	Water Transmission Line Easements	McClelland Engrs	Prelim Surveys	Completed

**b. White River Use Attainability Analysis (UAA)**

The team is currently preparing a series of documents that detail potential mineral limit calculations based on the proposed Regulation # 2 which was recently submitted to EPA for review and theoretical approval. These calculations will form a basis from which additional discussions may be held with ADEQ in what is hoped to be the near future. No formal action will likely be undertaken until we receive some indication from EPA regarding their disposition toward the recently submitted regulation.

**c. Lake Sequoyah Sediment Removal Project**

The US Army Corps of Engineers responded to our latest revised permit application package with a written document that indicates their opinion that a Section 404 Permit will not be required for the Lake Sequoyah Sediment Removal Project as long as the

intentions stated in the application are met. This document frees us to take the next steps in this long process which include working with the City's internal permitting process, finalizing a plan to coordinate the use of the property with the neighboring landowner, and making final arrangements with ADEQ for short term authorization to conduct the construction and sediment removal activities. We have already begun the discussions of how to take these next steps and will make every effort to move the project forward. Much of the remaining months of 2014 are expected to be devoted to obtaining these final additional permits and authorizations.

#### **d.Illinois River Phosphorus**

- **The Arkansas Oklahoma** joint stressor-response study committee met on April 18, 2014 to review the draft work plan submitted by Ryan King of Baylor University. A brief summary of the work plan objectives is included here:

#### **Study Framework**

The Baylor work plan is necessarily focused on a few key elements of the Second Statement of Joint Principles and Actions, p.2, Mandatory Study Components:

*"to determine the Total Phosphorus threshold response level....at which any statistically significant shift occurs in*

1. algal species composition OR

2. algal biomass production

*...resulting in undesirable*

1. aesthetic OR

2. water quality

*...conditions in the Designated Scenic Rivers."*

Further, the Baylor study will be: *"completed in accordance with.....*

1. U.S. EPA Rapid Bioassessment Protocols

2. EPA Guidance on QA/QC

3. Using Stressor-Response Relationships to Derive Numeric Nutrient Criteria *and shall include....*

4. *a sampling population....adequate to determine the frequency and duration of the numeric criterion....and*

5. *limited to streams or rivers within the same EPA ecoregion and comparable to the streams in the designated Scenic River watersheds."*

- **Illinois River Phosphorus EPA Total Maximum Daily Load (TMDL)** process is theoretically still moving, although we have no confirmed update to the previous schedule issued by EPA. The following schedule for TMDL-related activities is still the latest information we have been given:

<b><u>Milestone</u></b>	<b><u>Timeline</u></b>
Calibration/Validation Modeling	March 2014
Peer Review of the modeling	May 2014
Sensitivity Analyses of the Modeling	May 2014
Uncertainty Analyses of the Modeling	June 2014
Load Reduction Scenarios Modeling	July 2014
Draft TMDLs Development	Dec. 2014

- e. **Water/Sewer Ordinance** Article III – Discharge and Pretreatment Regulations within the Water and Sewer Chapter was updated with inputs from the City Attorney office and sent to ADEQ for their review. No formal response has been forthcoming thus far, other than a verbal indication that we should not expect a formal reply for a while. When this response arrives, we would either respond to any questions/comments from ADEQ or to recommend taking the ordinance forward. A copy of the revised ordinance is attached for your information. NO CHANGE
- f. **West Fork Sewer Connection** plans and the draft contract are being developed. We have received a preliminary report from RJD, who is developing our Wastewater Master Plan, regarding West Fork's flows. Staff is working to reconcile the flow data to identify design requirements for the West Fork lines and impacts on Fayetteville's system. We continue to work with McClelland Consulting Engineers, West Fork's consultant. NO CHANGE

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**8. Informational**

A presentation from BlueInGreen on ozone disinfection of wastewater effluent.

**9. Attachments**

- a. Kessler Water Main -Engineering Agreement

**10. Adjourn**

Next Water, Sewer, Solid Waste Committee meets on Tuesday, June 10, 2014, 5:30 p.m., room 326