

**LEAVENWORTH WATER DEPARTMENT**

**MINUTES OF A MEETING OF  
THE BOARD OF DIRECTORS**

HELD ON AUGUST 12, 2013

A regular meeting of the Board of Directors of the Leavenworth Water Department was held at 5:00 PM on Monday August 12, 2013 at the Leavenworth Water Department located at 601 Cherokee, Leavenworth, Kansas 66048.

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**ATTENDANCE**

**Directors in Attendance**

Michael Bogner, Chairman  
Greg Kaaz, Vice Chairman  
Richard Gervasini, Secretary  
Teresa Wood, Assistant Secretary  
Howard Kirk, Member, Member

**Directors Absent (Excused)**

**Staff in Attendance**

John Kaufman, Department Manager  
Lesia Hegeman, Finance Manager  
Kayla Manning, Staff Engineer  
Jeff Arnold, Water Treatments Plants Manager  
James Adams, North Plant Superintendent  
Gary Simanowitz, South Plant Superintendent  
Dennis Baragary, Sr., Water Distribution Manager  
Patrick Garrett, Jr., Water Distribution Supervisor

**Others in Attendance**

Scott Miller, Leavenworth City Manager

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**CALL TO ORDER**

Chairman Bogner called the meeting to order at 5:07 PM.

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**ROLL CALL, ANNOUNCEMENT  
OF QUARUM**

Chairman Bogner noted that a quorum was present.

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**REQUESTS, COMMENTS,  
PETITIONS BY MEMBER OF  
THE PUBLIC**

None

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**BOARD MEMBER ITEMS  
OUTSIDE OF EXECUTIVE  
SESSION**

*Director Kaaz:* Request public accessibility to the administration building for anyone to attend the Board meetings. John Kaufman reported that plans are being developed to construct a handicap ramp with hand rails for public access to the east side entrance of the building.

**CONSIDERATION OF NEW BANK CHECKING ACCOUNT SIGNATURE CARDS, BANK RESOLUTION FOR CHECK SIGNING, AND ELIMINATION OF SIGNATURE STAMPS**

Upon motion of Director Kaaz, seconded by Director Gervasini, and unanimously adopted, it was ....

**RESOLUTION (No. 14234)**, that the Board approved the new checking account signature cards, and the Country Club Bank resolution for check signing privileges. All Board members are authorized to sign, with the exception of Teresa Wood. Use of signature stamps for check signing is no longer authorized.

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**APPROVE MINUTES OF JULY 22, 2013**

Upon motion of Director Kaaz, seconded by Director Gervasini, and Director Bogner abstaining, it was adopted ...

**RESOLUTION (No. 14235)**, that the minutes of July 22, 2013 Board meeting are hereby approved.

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**CONSIDERATION OF CONSENT AGENDA FOR:**

Upon motion of Director Kaaz, seconded by Director Kirk, and unanimously adopted, it was....

- A. PAYROLL DISBURSEMENT**
- B. PAYMENT OF CLAIMS**
- C. UPDATED SCHEDULE OF EVENTS**

**RESOLVED (No. 14236)**, that the Board approved:

- A. The payroll for the period ending August 15, 2013 amounting to gross pay of \$78,770.44 (composed of the following withholdings and deduction) Federal Income Tax - \$8,085.76; FICA - \$5,772.76; State Tax - \$2,681.88; KPERS - \$3,382.00; Insurance - \$2,308.14; United Way - \$98.75; Eq-Flex - \$2,898.32; PEDC - \$2,954.83; Garnishment - \$755.00; Rent - \$217.50; Misc - \$47.50 and Direct Deposit \$49,568.00, and including the following overtime amounts: Distribution – 28 hours @ \$878.94; North Plant 21 hours @ \$588.80; South Plant 45.50 hours @ \$1,399.49 be approved and disbursements made from the Revenue Fund for their respective amounts.
  - B. The Regular Claims \$181,467.62; Special Claims \$207,939.62, and the Special/Special Claims as follows: Walmart \$503.69; AT&T \$170.46; Richard Allen Cultural Center \$1,000.00; CNS \$2,981.96; Water Protection Fee \$14,769.35 and checks be drawn on the Revenue Fund for their respective amounts.
  - C. The Updated Schedule of Events noting the annual State conference of AWWA will be held in Wichita from August 27<sup>th</sup> to 29<sup>th</sup>.
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**CONSIDERATION OF REQUEST BY CITY OF LEAVENWORTH TO INCREASE COST SHARE OF SHAWNEE STREET RECONSTRUCTION PROJECT**

Upon motion from Director Wood, seconded by Director Kirk, with Director Kaaz abstaining, it was adopted ....

**RESOLUTION (No. 14237)**, that the Board approved to rescind the previous offer to pay the City \$68,035.90, 40% of the total bid cost to reconstruct Shawnee Street between 4<sup>th</sup> and 5<sup>th</sup> Streets. The Street was damaged by recent main breaks and Mr. Scott Miller, City Manager asked the Board to reconsider the cost share percentage. The Board agreed to

pay \$100,000.00 after the project is finished and provided that the Water Department is released from all future liability to repair the street as a result of the main breaks.

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**CONSIDERATION OF  
CONSTRUCTION  
EASEMENT AGREEMENT WITH  
SOUTHERN STAR CENTRAL  
GAS PIPELINE, INC**

Upon motion from Director Kaaz, seconded by Director Gervasini, and unanimously adopted, it was ....

**RESOLUTION (No. 14238)**, that the Board approved the construction easement agreement on the North Plant property with Southern Star Gas for \$1.00. In addition, Southern Star will reimburse the Water Department for the cost of the Black & Veatch engineering study of \$38,100.00 and pay \$1,500.00 for use of the North Plant property for the construction work. Proceeds for the construction easement (\$1,501.00) are to be allocated to the Tower Fund.

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**CONSIDERATION OF  
PERMANENT EASEMENT  
AGREEMENT WITH SOUTHERN  
STAR CENTRAL GAS PIPELINE,  
INC**

Upon motion from Director Kirk, seconded by Director Kaaz, and unanimously adopted, it was ....

**RESOLUTION (No. 14239)**, that the Board approved a permanent easement agreement with Southern Star Gas for \$13,693.75. The new agreement would abandon its blanket easement, to allow the Water Department to install new or replacement water mains across the easement, and construct a pipeline beneath the Missouri River. Proceeds for the permanent easement are to be allocated to the Tower Fund.

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**CONSIDERATION OF  
PERMANENT EASEMENT  
AGREEMENT WITH WESTAR  
ENERGY, INC**

Upon motion from Director Kirk, seconded by Director Wood, and unanimously adopted, it was ....

**RESOLUTION (No. 14240)**, that the Board approved a permanent easement with Westar for two land parcels, 10 foot wide along the eastern edge of Westar Property on 2<sup>nd</sup> Avenue. The Board requested that the easement agreement be reviewed by attorney Mike Crow.

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**CONSIDERATION OF  
CONTRACT EXTENSION TO  
BLASER EXCAVATING FOR  
THE DISPOSAL OF LIME  
RESIDUALS**

Upon motion from Director Wood, seconded by Director Gervasini, and unanimously adopted, it was ...

**RESOLUTION (No. 14241)**, that the Board approved an extension of the existing contract with Blaser Excavating for lime residual disposal at a unit cost of \$14.00 per cubic yard. The approximate total cost is \$70,000.00

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**PRESENTATION & DISCUSSION  
OF 2014 DRAFT OPERATING  
AND MAINTENTENCE BUDGET**

**Overview**

Key elements of the 2014 budget are in preparation and will be discussed during the board meeting. The budget needs to be approved by early September so that the 2014 rates can be developed for passage by October 1<sup>st</sup>.

Over the past five years, Water Department has gone through significant changes. Many of those changes may affect the Water Department's budget in the years ahead. We have always been a lean organization, but we are becoming more efficient with better technology, and we have some expensive projects on the horizon, particularly in terms of infrastructure replacement and enhancements. There are also new and unique challenges concerning the Missouri River, which is our primary source of water. We are enhancing our commitment to customer service, and we are improving our relationship with a variety of organizations throughout the state. These changes are marking an important and challenging time for the Water Department's employees, customers, and neighbors.

In the second half of 2013, the Leavenworth Waterworks Board may want to consider a strategic plan, which describes our vision for securing the Water Department's future as the best and most reliable water utility in Leavenworth County. The plan could provide a long-term guidance for our thinking and practices. The Water Department is working on several initiatives designed to achieve this vision within five desired outcomes:

<i>Customer:</i>	Satisfied and supportive customers.
<i>Financial:</i>	A financially strong and stable organization.
<i>Organizational:</i>	An effective, efficient and strategically driven organization.
<i>Sustainability:</i>	Increase water sales by acquiring new customers outside of the city.
<i>External:</i>	Strategically effective relationships and reputation.

The strategic plan's initiatives will take years to implement, and some will continue in perpetuity. Many projects such as the sale of water to south Leavenworth County and Platte County, Missouri have been in the works for years, while others may be direct outcomes of the strategic plan. There are several key strategic plan initiatives we should work on in 2014:

- 1. Improved Customer Service** – In 2014, the Water Department should develop and implement a plan to offer new online services including initiation of service, billing, bill paying, and service termination. Online customers should see Start Water Service, Stop Water Service, Transfer Water Service, Change Account Information, E-Statements, Request a Service Call, Request an Extension for Paying a Bill, E-Statement FAQs, Set Up Recurring Payments, and Payment Option tabs. These new services will likely reduce the need for customers to visit the Water Department office for these services, improve customer service efficiency, and provide greater opportunity for certain administrative staff to provide better customer service in other areas of need.
- 2. Infrastructure Betterments** – In the coming years, the Water Department will spend millions of dollars on both horizontal and vertical infrastructure improvements. If we are going to ask ratepayers to pay for that infrastructure, we have to be as efficient as possible and focus revenue and employees on exactly the right processes and projects, at the right time, and in the right amount. This will involve aggressive use of our new GIS system and other planning tools. We will spend 2014 beginning to implement this approach with water main

replacements using the most appropriate and cost-effective technologies, 100% radio read metering, and by improving our customer service as described above. Improvements in SCADA systems and pumping efficiency will also be pursued.

3. **Budget Development** – Currently, the Board approves a budget for the following year, but management must return to the Board for approval when they want to use that budgeted money throughout the year. Much of the Board’s time is spent approving items one at a time during Board meetings. In the future, the Board may want to be more involved in creating the budget, rather than approving expenditures after the budget has been approved. This would free up the Board to tackle more policy issues during Board meetings. It also means that employees will not waste time getting started on important projects as long as the projects have been approved in the budgetary process the year before. Only variances to the budget would have to go before the Board for approval. Clearly, a new process like this will require some work – both to ensure a solid budget-development mechanism and to have adequate controls in place to make sure the budget is being carried out as approved. It also may require a few hardware and software system upgrades.
4. **Employer of the Future** – Several of our employees will be eligible to retire in the next few years. In order to be the best utility in Leavenworth County, we will need to attract, hire, train and sustain the employees that will get us there. We need to be thoughtful in making sure we invest in our employees with training, benefits and pay structures that will allow us to hire and keep those employees. That will allow us to resist political pressure to reduce pay and benefits, institute furlough days and otherwise penalize employees simply because we are a quasi-municipal governmental agency. Employer of the Future is a way of thinking about all the many facets of becoming the best workplace possible in order to attract and keep the best employees.
5. **Compensation Change** – In 2012, the Waterworks Board approved a change to the Water Department’s compensation format. Instead of giving employees raises based on a step system, the Board authorized a pay-for-performance system, in which employees’ pay increases will depend on available payroll budget and individual performance evaluation ratings, among other factors. The new evaluation system will be introduced in late 2013.
6. **Missouri River Degradation** – Since the late 1940s, the Missouri River bottom from Kansas City, Missouri up to near St. Joseph, Missouri has eroded significantly due to channelization of the river and installation of various hydraulic structures in the river to promote commercial barge traffic and protect flood-control levees. Some bottom degradation may also be due to sand and gravel mining operations. Degradation has caused the river stage at Leavenworth to drop more than 8 feet. The Corps of Engineers is forecasting that the river degradation will

continue unless significant measures are taken to arrest the problem. At the present time the Corps is not authorized by Congress to stop the channel-bottom erosion. Using a calibrated model of the Missouri River, the Corps has predicted that the River will continue to erode an additional 15 feet at Leavenworth over the next several years. Such erosion would render the Water Department's river intake unusable unless significant structural modifications are made to ensure a reliable supply of raw water from the river. River degradation will also lower the water table in the alluvial aquifer next to the river thereby reducing aquifer storage, reducing the yield from Water Department's wells, and increasing pumping costs. The Water Department will work with the Mid-America Regional Council (MARC), the Missouri River Public Water Supply Association (MRPWSA), State of Kansas, and the Corps to address the problem. In 2014, the Water Department will also conduct a study to determine the feasibility and cost of constructing a nominal 10-MGD radial collector well next to the Missouri River to divert ground water from the alluvial aquifer next to and beneath the river to ensure a sustainable supply raw water and to resolve water-quality concerns with the river in light of new and proposed water quality regulations. The cost for the feasibility study will be nearly \$400,000.

7. **Disposal of Lime Residuals** – The Water Department reduces the hardness of its water at its treatment plants by lime softening. This treatment processes produces a residual sludge that is the chemical equivalent of limestone and water. From the North Plant, lime residuals have been discharged into the Missouri River since 1948 with no adverse impacts to the Missouri River or aquatic life. An NPDES permit application for the discharge has been on file with the Kansas Department of Health and Environment for several years; but like other water treatment plants along the Missouri River, the agency has taken no action on the permit application. In the future, the Environmental Protection Agency (EPA) Region VII may require new stringent discharge standards for the disposal of lime residuals into the Missouri River. Working through MRPWSA, the Water Department will monitor this matter closely because the cost to dispose of the lime residuals in a landfill would be very significant.

From the South Plant, lime residuals are piped and stored in lime sludge ponds, and are periodically removed and transported to farm land for use as a soil amendment. The Water Department plans to use nearby property recently purchased by the Water Department for permanent disposal of lime residuals produced at the South Plant. Plans will be developed to begin permanent disposal of lime residuals in the 2<sup>nd</sup> half of 2014, pending a cost comparison between the status quo and permanent on-site disposal.

8. **Increase Water Sales** – The Water Department will continue to look for ways to reduce operating and maintenance costs, but will also look for opportunities to acquire new customers and increase wholesale market share in Leavenworth County.

Opportunities to sell water wholesale east across the Missouri River will also be explored in consideration of the Water Department's excess treatment and conveyance capacity. There remains significant opportunity for the City of Leavenworth to increase its population based on available land. However, the population is not forecast to grow in the foreseeable future. Additional revenue necessary to fund crucial infrastructure projects must come from new customers and not just increased water rates.

9. **Emergency Preparedness** – The Water Department must have a reliable source of supply, treatment system, and delivery system at all times. Weather events in recent years showed us that the Water Department is vulnerable to supply, treatment, and delivery interruptions. In 2014, the Water Department should investigate the feasibility and cost of constructing an emergency interconnection with WaterOne at the Walcott Treatment Plant versus investing in backup power generation.
10. **Master Plan** – The Water Department should develop a master plan that would be a comprehensive study of the water source(s), storage, treatment, delivery systems, and customer base. A master plan should:
  - a. Evaluate the existing water system and provide recommendations regarding how the Water Department should prepare for the future;
  - b. Include a review of applicable laws and regulations, planning assumptions, water use, finances, organizational structure, and workforce;
  - c. Prioritize capital improvement projects;
  - d. Include hydraulic distribution system modeling, determine hydraulic and treatment capacity of the plants, identify deficiencies in treatment and delivery systems, estimate and rank capital needs, and evaluate staffing and administration operations; and
  - e. Conform to the Water Department's business plan model and priority-based budgeting process.

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**CONSIDERATION OF NEW EMPLOYEE MANUAL**

The Board tabled consideration of the new employee manual pending further Board review and comment.

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**DISCUSSION OF FINANCIAL INVESTMENT POLICY**

Lesia Hegeman gave an overview presentation of the Board's investment policy and governing state statutes.

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**ADMINISTRATION REPORT**

**Human Relations Update**

1. **South Plant Operator Position.** Four of five candidates were interviewed for the South Plant Operator Position. The fifth candidate did not appear for the interview. The best candidate, Ms. Lisa Kanoy, was offered the position. She accepted our employment offer and will start on Sunday, September 1<sup>st</sup>.
2. **South Plant Assistant Superintendent Position.** Only one candidate, Lead Operator Neil Seichepine, applied for the position being vacated by retiring Mike Dominick. Neil will begin transitioning into the position beginning on September 1<sup>st</sup>.
3. **Other HR Tasks.** There is nothing new to report at this time.

**Software and Computers**

There is nothing new to report at this time.

**Draft Procurement Policy and Procedures**

There is nothing new to report at this time.

**PROJECTS UPDATE**

**Water Diversion and Treatment Projects**

**1. Southern Star Gas Line Installation**

Final draft report was completed by Black and Veatch. Proposed lease agreements for construction and operation of the pipelines is being reviewed with legal counsel.

**2. Well Cleaning RFP**

An RFP was prepared to clean Wells No. 3A, 5, and 7. A pre-bid meeting is scheduled for August 22<sup>nd</sup> and bids will be due on August 30<sup>th</sup>.

**3. Lime Residuals Disposal**

BG Consultants was asked to prepare a cost estimate to determine the probable cost difference between maintaining the status quo of storing the lime residuals in sludge ponds and periodically hauling the material to agricultural land as a soil amendment versus local permanent disposal of the residuals in constructed mono-fill pits.

There is nothing new to report at this time on the following water diversion and treatment projects:

- *South Plant VFD Study – 2014 CIP*
- *Backup Generators versus Emergency Connection – 2014 CIP*
- *Radial Collector Well Feasibility Study – 2014 CIP*
- *North Plant Head Gate Installation – scheduled during the fall shutdown of the plant.*

**Water Distribution Projects**

**1. Shawnee Street Main Replacement**

Following completion of the main extension for the new Animal Control Facility, Water Department crews will begin the next

section of main replacement on Shawnee Street beginning at a point midway between 2<sup>nd</sup> and 3<sup>rd</sup> Streets and extending eastward to 2<sup>nd</sup> Street. When the current section is finished, replacement of the water main will continue along Shawnee eastward to Esplanade and along Esplanade south to Delaware Street.

**2. Stove Factory Lofts Water Mains and Hydrants**

A tee will be installed at the planned water main service tap beneath 2<sup>nd</sup> Street. The water main is 10-inch cast iron pipe. The tee will enable easy access to the main from both the east and west sides of the 10-in line, because future redevelopment of the property on the west side of 2<sup>nd</sup> Street is planned by the project developer, Foutch Brothers.

Fire protection plans were recently received from the developer. Replacement of a dormant fire hydrant on an old 4-inch cast iron service line at the southeast corner of the building complex was discussed with the Fire Department. Replacing the 4-inch line with a large 8-inch main is possible, but contaminated soil south of the property needs to be avoided. Soil sampling and testing will be needed along the pipeline route if the 4-inch line is replaced. To establish a circulating feed of fire-flow water around the new residential apartment buildings, a new water main would have to be extended north and south along the east side of the building complex.

**3. Radio-Read Meter Installations**

Installation of new radio read meters is continuing.

**4. GIS and Field Devices**

A planning session with Kim Andrews (an ESRI civil engineer) is being re-scheduled to discuss options for field use. The GIS system will play an important role in developing an asset management plan for the water distribution system.

There is nothing new to report at this time on the following water distribution projects:

- *16th Street (from Santa Fe to Thornton Street)(Combine with 17th and Thornton)*
- *17<sup>th</sup> and Thornton 6-Inch Water Main (planned for the fall)*
- *Delaware Street (from 13<sup>th</sup> Street to 16<sup>th</sup> Street)*
- *16<sup>th</sup> and Choctaw Water Main*
- *3<sup>rd</sup> Street at Three Mile Creek*
- *KDOT Facility (16490 Springdale Road)*
- *Miami Street (from 8<sup>th</sup> Street to 10<sup>th</sup> Street)*
- *Franklin Street (from Ohio to Kansas)*
- *VA Water Main Connections and Metering*
- *Shop Area Security Fence and Gates (pending new FEMA flood map)*

**City of Leavenworth Projects**

**1. City Animal Control Facility**

Water line installation began and remains in progress with interruptions due largely to recent rain storms, water service line relocations on Limit Street, and main breaks. About 100 feet of 8-inch ductile iron pipe has been laid to date. Laboratory analysis of soil samples collected from test pits along the pipeline alignment show the presence of cadmium, lead, and motor oil in the landfill area. Representatives of Kansas Gas (aka: One Oak) met with Water Department staff to discuss the feasibility of excavating a common utility trench and sharing the cost of the construction and street restoration work. Agreement was reached to share the cost 50:50.

2. **2<sup>nd</sup> Avenue and Limit Street Bridge Replacement and Road Realignment**

An easement was negotiated with Westar Energy, Inc. to install a 12-inch water transmission line as part of the City's bridge and street realign project. The City's cut and fill plans prepared by TranSystems Corporation are being reviewed by Kayla Manning for potential conflicts with the planned water line construction work. Water line installation work by horizontal directional drilling is scheduled to begin the week of August 12<sup>th</sup>.

3. **City Sidewalk and Street Overlay Projects**

Some valve adjustments may be required along 10<sup>th</sup> Street between Michigan and Vilas in support of the City's street overlay project work. Part of a ductile iron water main was relocated at 10<sup>th</sup> and Quincy Streets to make room for a new sanitary sewer manhole over an existing sewer line.

4. **Fairfield Inn (Marriot-4<sup>th</sup> and Metropolitan)**

Representatives of the hotel developer met with the Water Department and Fire Department to discuss revising the water supply plan to reduce the developer's cost. Because, the hotel utility room was moved to the north side of the planned building, the developer requested that the combined domestic/fire service line to the hotel come south from a 16-inch ductile iron water main located along the south side of Metropolitan Ave (a plan originally proposed by the Water Department at the inception of the project.). A private fire hydrant is to be relocated to the northeast side of the building. A new 8-inch water service line connection to the new main constructed for the hotel project along 4<sup>th</sup> Street at the developer's request and at considerable cost will likely not be used for the project, according to the developer. The cost for this work will have to be recouped by adding it to the tap fee as a system development charge. A proposed restaurant site at the northeast corner of the property may or may not be developed. Nevertheless, the developer was requested to propose a water supply plan for this site in conjunction with a new water utility plan of the hotel site for approval by the City and Water Department.

There is nothing new to report at this time on the following City projects:

- 2<sup>nd</sup> Street Bridge Replacement

- Stormwater Repairs and Improvements - 5<sup>th</sup> Ave and Prospect (design plans are expected in the fall which will be reviewed for infrastructure conflicts)
- Stormwater Repairs and Improvements – 18<sup>th</sup> Street North of Spruce (design plans are expected in the fall which will be reviewed for infrastructure conflicts)
- Ottawa 12<sup>th</sup> to 13<sup>th</sup> (settlement issues are to be addressed)
- Ottawa Street 13<sup>th</sup> Terr to 17<sup>th</sup> St (Total reconstruction, 2014)
- Hampton Inn – 4<sup>th</sup> and Choctaw
- Marion and Girard (utility relocates expected where located over collapsed arch)
- 4<sup>th</sup> and Poplar Geometric Improvements (estimate 2015)

**GENERAL MANAGER'S  
REPORT**

**Government Affairs**

*Meeting on River Degradation.* I will attend an all-day meeting at the Mid-America Regional Council on August 23<sup>rd</sup> with the Corps of Engineers to discuss forecast degradation of the Missouri River.

*AWWA Kansas Section Conference.* The AWWA Kansas Section Conference will be held in Wichita from August 27<sup>th</sup> to 28<sup>th</sup>. I plan to attend the conference.

**Community Relations**

*Shawnee Street Repair.* City Manager Mr. Scott Miller will attend the board meeting to discuss restoration of Shawnee Street between 4<sup>th</sup> and 5<sup>th</sup> Street.

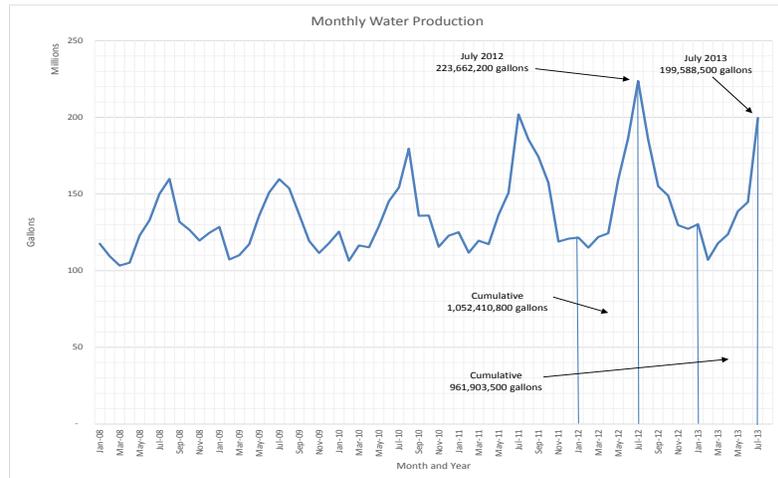
*Southern Star Gas Pipeline Maintenance.* During the week of August 13<sup>th</sup>, Southern Star Gas Company plans to excavate to its existing natural gas pipelines at the North Plant to perform maintenance work.

*Security Cameras for Administration Office.* One bid was received from a local contractor to install security cameras at the administration office. Additional bids are being sought.

*Handicap Ramp for East Entrance.* Staff met with Kersten Concrete and representatives of the City Public Works Department to discuss the construction of a handicap ramp and hand rails for the east entrance of the administration building. The Board wants to make this entrance more accessible to the public for board meetings. Bids will be sought from Kersten and other small local contractors for the project. The City agreed to forego the permitting process if the Water Department would replace the old delivery dock ramp at the street with a standard concrete curb. The ramp and railings would comply with current ADA requirements.

## Legislation and Regulation Update

*Discharge of Lime Residuals into the Missouri River.* The Water Department received the attached letter from the Environmental Protection Agency to the Missouri River Public Water Supply Association (MRPWSA) concerning NPDES permits for the discharge of lime residuals into the Missouri River. A meeting among the MRPWSA membership to discuss this letter and other matters is anticipated.



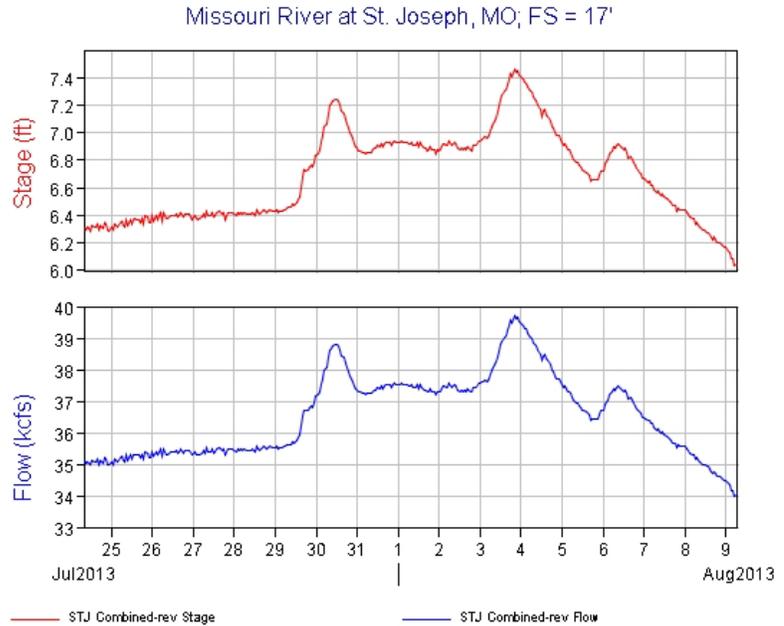
## Water Treatment Plant Operations

During the month of July, 2013, 199,588,500 gallons were pumped into the water-distribution system from both treatment plants. Demand ranged from about 3.77 MDG to nearly 8.25 MGD and averaged about 6.44 MGD. The total volume of treated water pumped into the water distribution system from both water treatment plants from January 1<sup>st</sup> through July 31<sup>st</sup> of 2013 was 961,903,500 gallons, or nearly 4.54 MGD average for the 212-day period. The cumulative volume pumped over the same period in 2012 (a severe drought year) was more than 1.052 billion gallons. This compares with the eleven-year average cumulative flow over the same six-month period of 948,476,850 gallons.

- a. **North Plant:** During the month of July, the North Plant produced 94,549,000 gallons and met about 47% of the total system demand by producing from 1.95 to 4.59 MGD and averaging about 3.05 MGD for the period.
- b. **South Plant:** During the month of July, the South Plant produced 105,039,500 gallons and met about 53% of the total system demand by producing from 1.89 to 3.83 MGD and averaging about 3.39 MGD for the period.

Staff was directed to have Douglas Pump Service, Inc. repair the South Plant high-service pump No. 3 at a cost of \$13,037.00 and to repair the backwash pump at a cost of \$6,506.50, as described in the attachments. Douglas Pump Service, Inc. normally services and repairs the pumps at the treatment plants, booster pump station, and wells.

The flow in the Missouri River at Leavenworth on August 9<sup>th</sup> was continuing to decline from recent rains to about 34k cfs, as measured at St. Joseph, Missouri. Since the current discharge from Gavins Point Dam is about 20.0k cfs, then most of the remaining flow (14.0k cfs) at Leavenworth is from any recent rainfall and tributary flow into the Missouri River Basin below Gavins Point Dam and above Leavenworth.



**Water Distribution Operations**

Since the previous Board meeting on July 22, 2013 the following water-distribution activities occurred:

- a. New Water-Service Connections: none
- b. Service Kills, Relocations or Repairs: one at 5<sup>th</sup> Ave. and Ohio that feeds a water line in an alley
- c. Valves and Fire Hydrants (new and replacements): none
- d. Waterline Breaks: four including a break in a 1.25-inch copper line at 12<sup>th</sup> and Kickapoo St.

2-in (3)	4-in (0)	6-in (0)	8-in (0)	10-in (0)	12-inch (0)
Madison & Quincy, 2970 Goddard Cr., and 1424 Franklin	none	none	none	none	none

- e. Service Renewals without Main Replacements: none
- a. Service Transfers to New Replacement Mains: none
- f. Radio-Read Installations: none
- g. Large Meter Replacements: none
- h. Meter Relocations: none

i. Main Replacements: none

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**ADJOURNMENT**

There being no further business to come before the Board, Vice Chairman Kaaz adjourned the meeting.

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Approved \_\_\_\_\_ 2013

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Michael Bogner, Chairman

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Richard Gervasini, Secretary