



Davidson Water, Inc.



*Quality
on Tap*

Davidson Water Inc.

2010 NEWSLETTER

Quality on Tap

New Water Plant

Twenty Million dollar USDA Loan Approved for Davidson Water Plant Improvements

Allen Hart, Area Specialist, with the United States Department of Agriculture recently announced that Davidson Water, Inc. has been approved for a twenty million dollar forty year low interest loan. This loan will be used to make major improvements to our water plant facility and increase our current capacity of 20 million gallons a day to 30 million gallons a day. The improvements will help assure an adequate water supply during periods of drought and provide quality water that meets current and future regulations. The following are improvements to be made.

▶ **New 100 Million Gallon Reservoir**

With the addition of the new reservoir we will have over 160 million gallons of off stream storage. The water from the river will be sequenced through our reservoirs to obtain the longest detention time and thus more consistent water quality to the water plant. If the river becomes contaminated we can utilize the new reservoirs for several days while contaminants pass by and then be able to refill the reservoirs by having excess capacity with our river pumps. The additional reservoir capacity

and the excess river pumping capacity will also enable us to use electrical power during off peak times saving us money and helping our electrical supplier meet their peak demands.

▶ **New River Intake and Pump Station**

This intake will be made into a lower point in the Yadkin River, five to seven feet lower than our existing intakes. The intake will have four 42" lines with Johnson screens coming into a wet-well with a capacity of 60 mgd. The pumps pulling out of the wet-well can pump up to 50 mgd with capability to expand to 60 mgd. These pumps can pump directly to the higher elevated reservoirs or directly to the plant if all the reservoirs had to be taken out of service.

▶ **New 40 mgd Flash Mix**

This structure will be utilized by our existing plant and our new plant to better mix chemicals.

▶ **Site Piping**

Most of the piping will consist of 30", 36", 42" and 48" ductile iron piping giving us capacity for future growth.

continued ▶

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NEW In-Ground Lawn Irrigation Systems

Separate Meter Required

NEW in-ground lawn irrigation systems are required to be served by a separate meter. These new systems will have to be inspected by Davidson Water, Inc. personnel to insure the proper backflow prevention assembly has been installed. All backflow prevention assemblies **MUST** be tested annually. Visit www.davidsonwater.com for more information on installation requirements.

New Water Plant continued...

▶ **New 10 mgd Super Pulsator Clarifier**

The 10 mgd capacity can be easily expanded to 15 mgd if needed in the future.

▶ **New 10 mgd Conventional Filters**

These filters will have sand rock and anthracite coal. We will be able to utilize air to keep the media clean along with backwashing. These filters would meet the current specifications to provide up to 15 mgd if needed.

▶ **New 30 mgd GAC Contactor**

The GAC (Granular Activated Carbon Contactors) can be used when needed with the old plant and the new plant. Anytime the water quality becomes a concern, water from either plant can be diverted through the GAC Contactors to ensure the highest quality water.

▶ **5 Million Gallon Clearwell**

This additional clearwell will give us a total of 9 million gallons of storage at the plant. This will provide for excellent chlorine contact time to prevent contaminants. The added capacity will help us continue to provide water if the plant has to be shut down for repair.

▶ **Sludge Handling**

A new 80 foot diameter thickener will be added to better control our sludge handling and our decant water back to the river.

▶ **Bulk Chemical Storage and Feed System**

Having the ability to store larger quantities of chemicals will reduce cost and ensure having chemicals on hand.

▶ **Instrumentation and SCADA**

The analytical equipment, flow meters and monitoring will be technologically advanced and capable of helping to make more efficient and intuitive decisions regarding plant operations.

▶ **Electrical**

The electrical system will have redundant feeds. The existing generators will be able to handle the additional loads allowing for emergency back-up and load managing to keep costs down.

▶ **Finished Water Pump Station**

Additional pumping capacity will ensure we will be able to get the water from the plants into the distribution system.

We are excited that we can utilize long term low interest money to better serve our customers now and in the future. Construction has already started on the river intake and reservoir. The total project is scheduled to be completed by May 2013.

Online Web Services

Davidson Water, Inc. offers electronic billing (E-bill) to our customers. When you switch to E-bill you will receive your regular monthly bill on the normal billing date by email notification. You can then log on to our website at www.davidsonwater.com and immediately view your bill. Simply call our office to get signed up. Our customers can also take advantage of paying online with a credit or debit card for no additional charge at www.davidsonwater.com. This online service through our official website is a quick and easy way to assure your bill is paid in a timely manner. When you use our official website you can be confident your payment will be received by us within one business day. Payment websites such as www.chargesmart.com will sometimes come up when you use a search engine to find Davidson Water, Inc. These websites charge a fee to use their services to pay your bill. Paying through your bank's website is normally a free service; however, using any online form of payment besides our website can take up to a week, sometimes longer, to receive the actual payment.

ALL Lawn Irrigation Systems

All lawn irrigation systems connected to the Davidson Water, Inc. system are required to have a backflow preventer installed. Backflow preventers have internal seals, springs, and moving parts that are subject to fouling, wear, or fatigue and MUST be tested annually to insure they are functioning properly. Visit www.davidsonwater.com for more information on backflow prevention and a list of approved testers.



Water Rate Increase

Effective Bill Date January 1, 2011

For more than 40 years Davidson Water, Inc. has provided extraordinary water quality to our customers and we look forward to meeting the demands of our customers for another 40 years and beyond. To meet these demands we are continually upgrading the system and expanding our capacity to insure our customers have access to adequate, safe, and reliable water. Davidson Water, Inc. is committed to delivering Quality on Tap at the lowest possible cost to our members. A rate increase effective on January 1, 2011 will be necessary to continue this commitment.

- This increase will be less than \$1.00 per month for the average residential home
- The average family water bill will be approximately \$22.00 a month
- The increase for customers using 2,000 gallons per month or less will be only **\$0.50 per month** or **\$6.00 per year**.

Rates and Service Charges

Effective Bill Date January 1, 2011

0—2,000	\$10.50
2,001—10,000	\$3.90
10,001—50,000	\$4.50
OVER 50,000	\$3.90

*Rate per thousand gallons except for minimum

How to use the rate schedule

The minimum monthly bill is \$10.50 and includes usage up to 2,000 gallons. If a customer uses 6,000 gallons the first 2,000 is still \$10.50 and the remaining 4,000 gallons will cost \$3.90 per thousand. (4 x \$3.90 = \$15.60). If you add this to the minimum the total bill for 6,000 gallons will be \$25.60 (\$15.60 + \$10.50 = \$25.60)

Structured Minimum Bills

¾ in. Meter	0-2,000 Gallons	\$10.50
1 in. Meter	0-5,000 Gallons	\$22.20
1½ in. Meter	0-10,000 Gallons	\$41.70
2 in. Meter	0-20,000 Gallons	\$86.70
3 in. Meter	0-50,000 Gallons	\$221.70
4 in. Meter	0-75,000 Gallons	\$319.20
6 in. Meter	0-150,000 Gallons	\$611.70
8 in. Meter	0-250,000 Gallons	\$1,001.70

Connection Fee Increase

Effective January 1, 2011

Davidson Water, Inc. is increasing the cost of new connections effective January 1, 2011. Connection fees not only pay for materials and installation costs in making new taps, but also help to pay for improvements to our water system in order to provide the additional capacity needed for these new connections.

Connection Fees

¾ in. Tap	\$1,550
1 in. Tap	\$3,350
1½ in. Tap	\$6,050
2 in. Tap	\$8,050

*All new accounts require a separate \$50.00 membership fee. This amount is included in the connection fees above

Service Charges

Phone Payment Convenience Fee	\$2.00
New Service Turn On Same Day (Before 4:00pm on a Business Day)	\$25.00
Return Check Fee	\$25.00