



General Manager's Report

Report on Water System Operations for:

Metering Period:

Billing Period:

Activity Period:

| November, 2018 | | |
|----------------|--------|-----------|
| 1-Sep-18 | -THRU- | 30-Sep-18 |
| 15-Sep-18 | -THRU- | 15-Oct-18 |
| 1-Oct-18 | -THRU- | 31-Oct-18 |

| | | | |
|-----------------------|---|----------------------------------|-------------------|
| (MG= Million Gallons) | (Mg/L= milligrams per liter) (Ug/L= micrograms per liter) | (MCL= Maximum Contaminant Level) | (cf.= Cubic Feet) |
|-----------------------|---|----------------------------------|-------------------|

| | | |
|---|-----------------|----|
| Total Water Pump From All Wells in Metering Period (TWP) | 8.3458 | MG |
| Total Water Sold in Metering Period | 7.3005 | MG |
| Total Filter Plant Backwash Water in Metering Period | 0.4215 | MG |
| Total Water Main Flushing Water in Metering Period | 0.0000 | MG |
| Total Other Authorized Water Use in Metering Period | 0.1907 | MG |
| Total Authorized Consumption in Metering Period (TAC) | 7.9127 | MG |
| Total Distribution System Leakage in Metering Period (DSL) | 0.4330 | MG |
| Percentage of DSL in Metering Period | 5.2% | % |
| 12 Month Running Total of TWP | 106.2156 | MG |
| 12 Month Running Total of TAC | 97.3171 | MG |
| 12 Month Running Total of DSL | 8.8985 | MG |
| 12 Month Average of Percentage of DSL | 7.5% | % |

| |
|-----------------|
| 2,618 |
| 102 |
| 8,001 |
| 1,756 |
| 4 |
| 5,450.00 |

| | | |
|--|---------------------------|-------------------|
| Residential Accounts | Paid Base Rates Totaling: | 108,100.00 |
| Commercial Accounts | Paid Base Rates Totaling: | 7,981.00 |
| 100 cf. Residential Consumption | at \$0.0325 per c.f. | 27,203.00 |
| 100 cf. Commercial Consumption | at \$0.0350 per c.f. | 6,673.00 |
| Fire-Flow Accounts | Paid Base Rates Totaling: | 907.00 |
| Surfside Contract + | Reimbursements = | 5,618.95 |
| | Other Income: | 5,127.00 |
| Total Amount Billed in Billing Period | | 161,609.95 |

| | |
|---|------------|
| Total Accounts Past Due in Billing Period | 290 |
| Total Number of Properties with Liens | 30 |
| Total Accounts Locked Off for being past due in Billing Period | 11 |
| Total Number of Water Main Locates Completed in Activity Period | 28 |
| Total Number of Water Quality Complaints in Activity Period | 0 |
| Total Number of Customer Service Calls in Activity Period | 46 |
| Total Number of Customer Valves Installed in Activity Period | 0 |
| Total Number of New Services Installed in Activity Period | 3 |

Water Quality Report - Microbial

Routine Coliform Bacteria

Investigative Coliform Bacteria

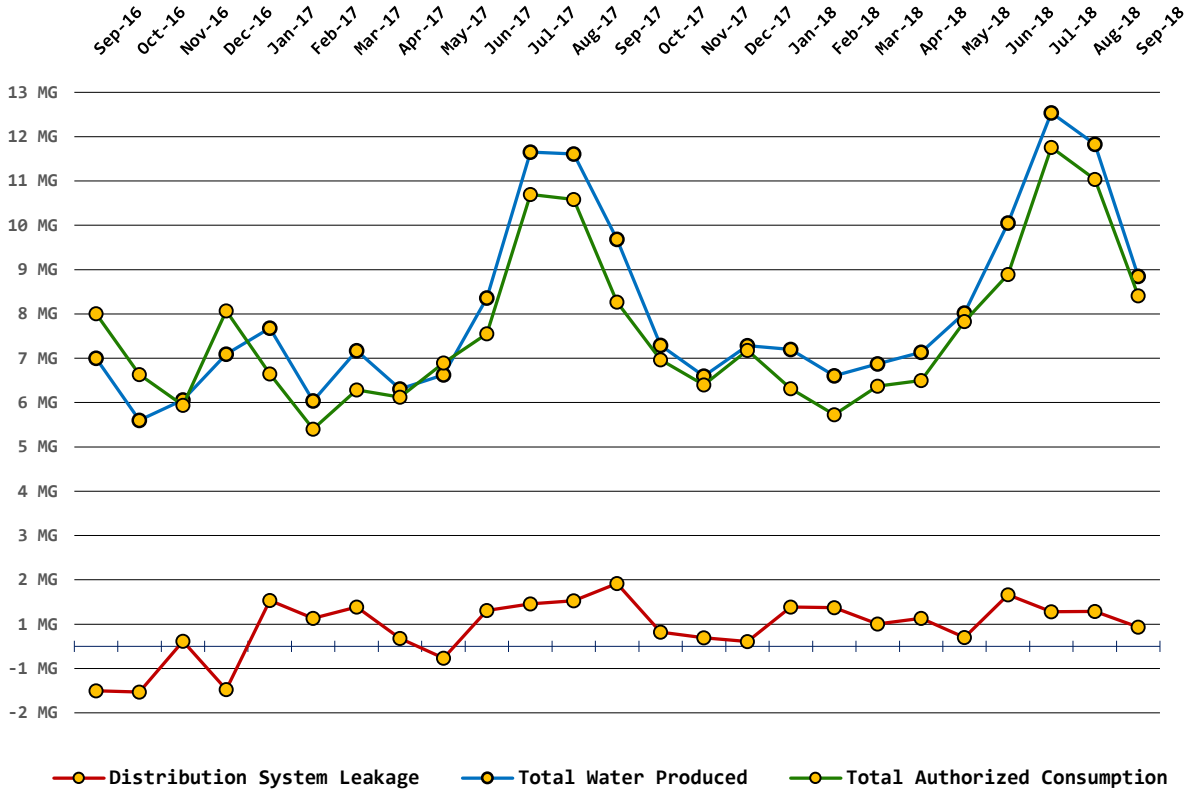
Water Quality Report - Inorganic

North Wellfield Arsenic (RAA) (MCL 10 ug/L)

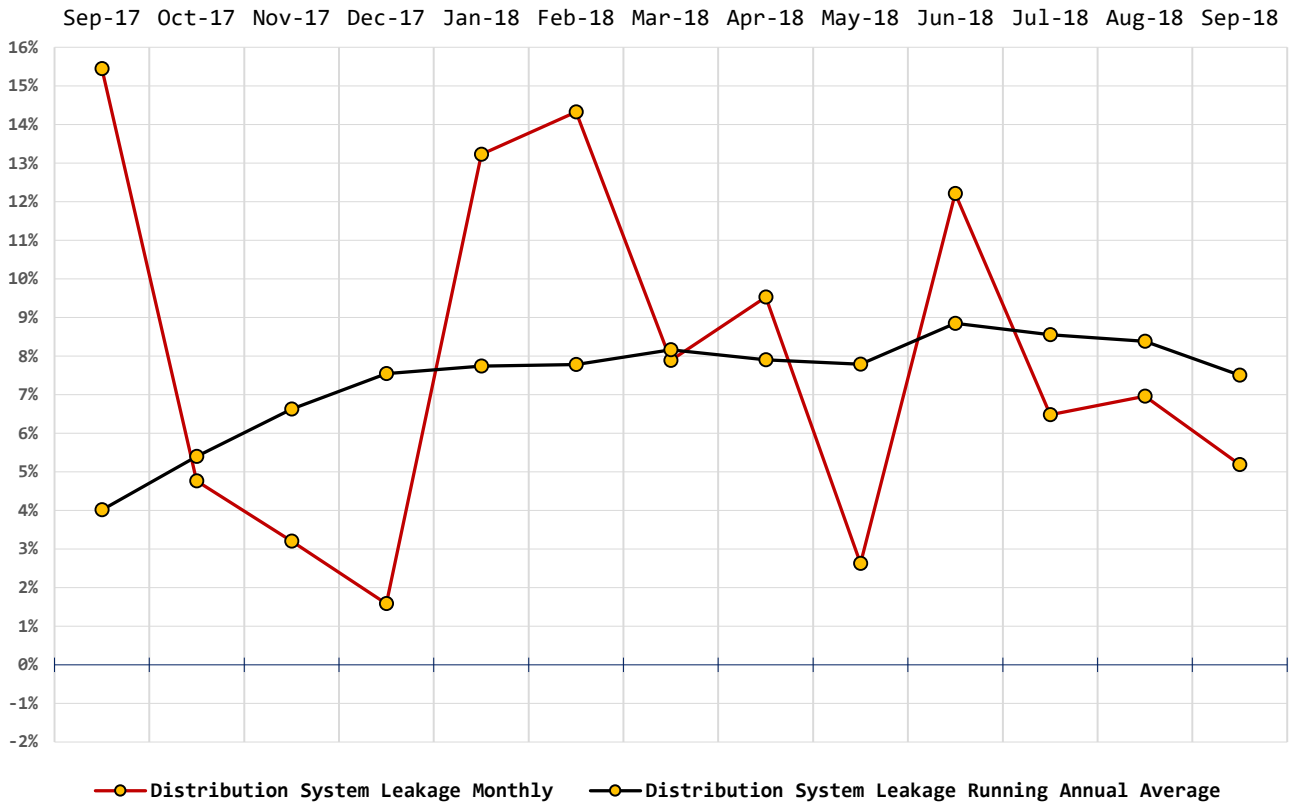
Weigardt Wellfield Arsenic (RAA) (MCL 10 ug/L)

| Good | Bad |
|------|--------|
| 8 | 0 |
| 0 | 0 |
| ug/L | Comply |
| 6.14 | Yes |
| 6.67 | Yes |

Water Use Efficiency Chart #1



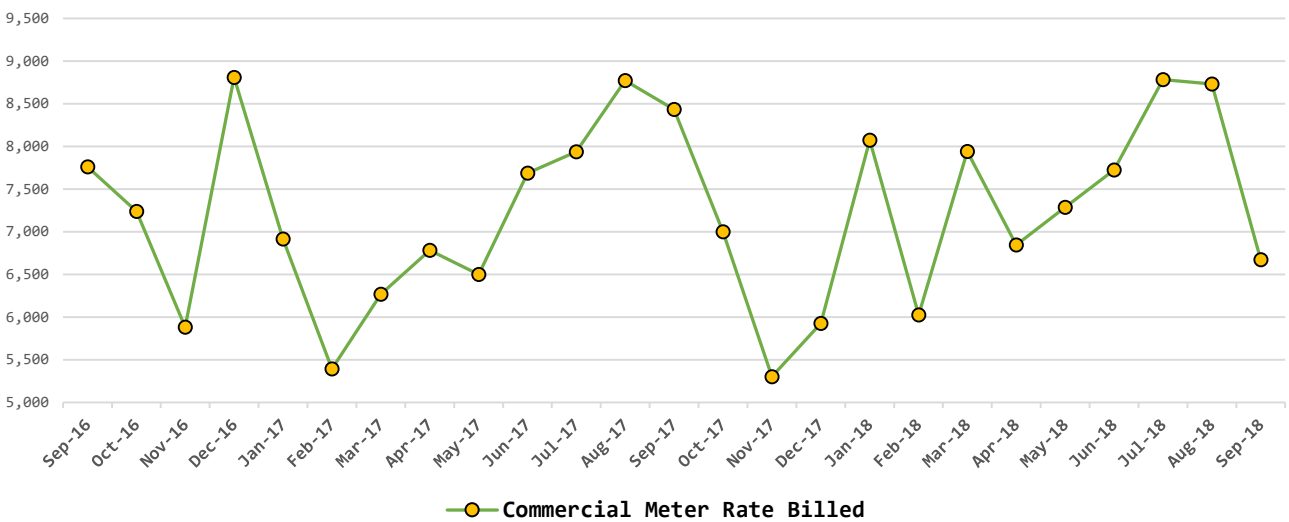
Water Use Efficiency Chart #2



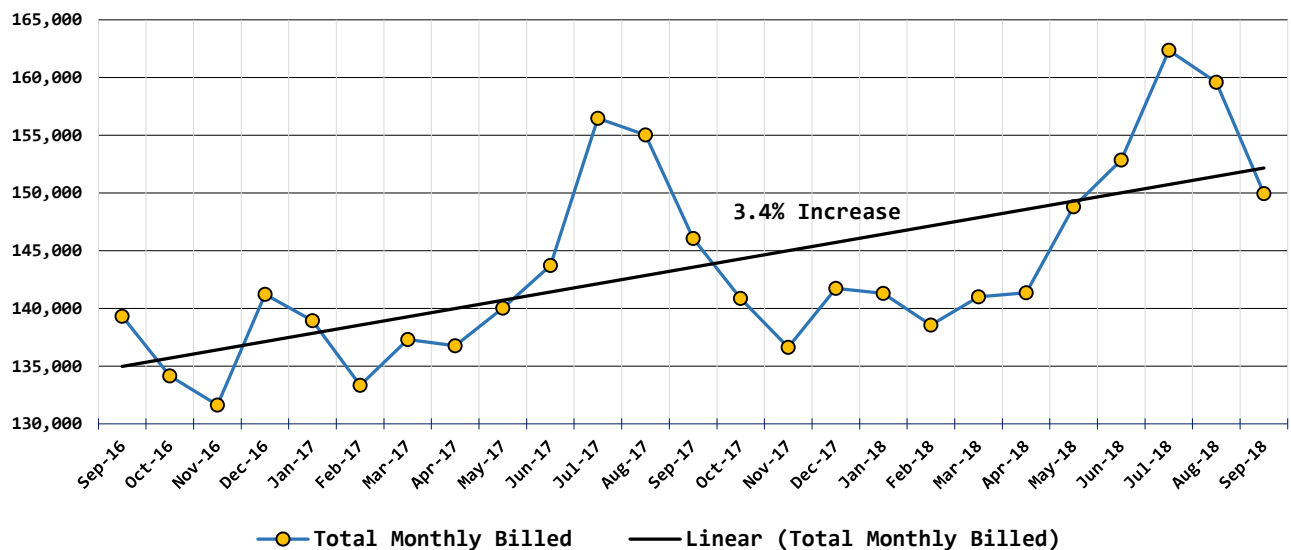
RESIDENTIAL RATES BILLED



COMMERCIAL RATES BILLED



TOTAL RATES BILLED



GENERAL MANAGER'S REPORT - NOVEMBER, 2018

DWSRF Loan Project Update

The items the District is responsible for to complete the project are:

- Calibrate new meters - Scheduled for January 2019
- The security fencing at Wiegert Wellfield is installed (see images)

2018 Capital Improvement Projects

South Wellfield Improvements - Postponed to later date

North Wellfield Improvements - Postponed to later date

Emond Easement Improvements - Work is complete (see images)

The Technology Group (TAG) has completed the work of installing the new Central Processing Unit (CPU). The CPI programing is working very well. The Crew installed the new master meter for the SWF booster skid at the same time TAG was installing the new CPI. The meter and the pumps are working together. It is a beautiful thing to behold.

Before TAG started their work, one of the SWF fire flow pumps frequency drives (VFD) failed. In March 2008 the Board authorized the general manager to install VFD's on the SWF booster skid for the fire flow pumps. The original skid did not include VFD's. The original skid was designed to start and stop the fire flow pumps with "across the line" starters and control the flow and pressure with pressure reducing and sustaining valves (PRSV). The PRSV remain on the skid and are operational. The cost of replacing one VFD will be about \$9,000 - \$12,000. I am investigating the option of using reduced voltage soft starts (RVSS) instead of VFD for the fire flow pumps. The PRSV eliminate the need for VFD. RVSS generally cost one quarter to one third the cost of a comparable VFD.



