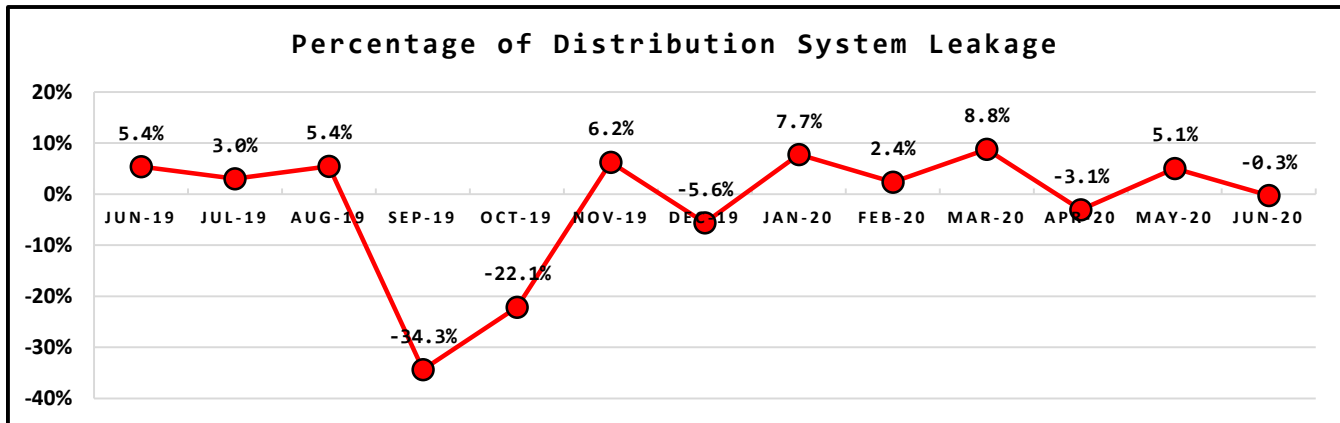
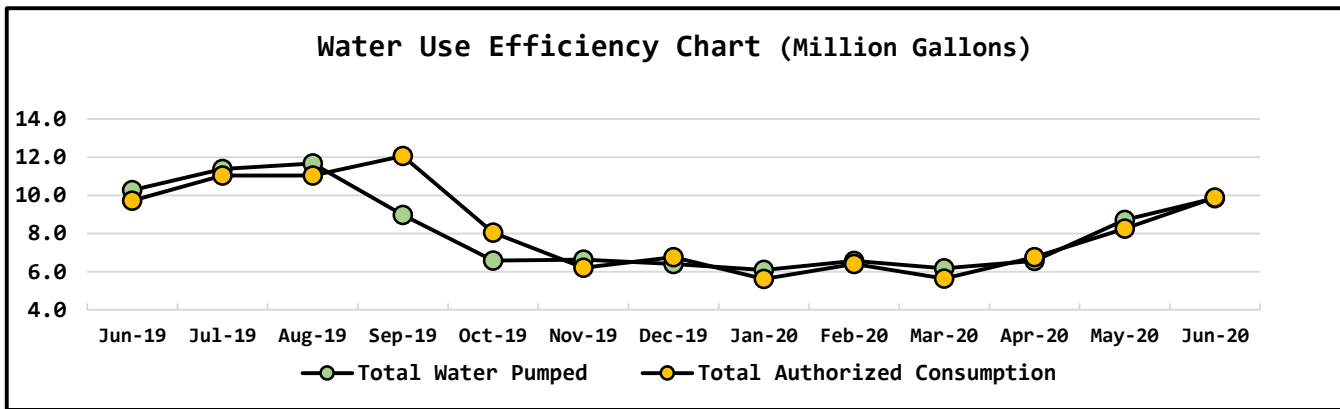


# NORTH BEACH WATER DISTRICT GENERAL MANAGERS REPORT

FOR  
July-2020

| Metering Period               | Water Production                    |
|-------------------------------|-------------------------------------|
| June 1, 2020 to June 30, 2020 | NWF Master Meter <b>5.0915</b> mg   |
|                               | SWF Master Meter <b>4.7644</b> mg   |
|                               | Total Water Pumped <b>9.8559</b> mg |

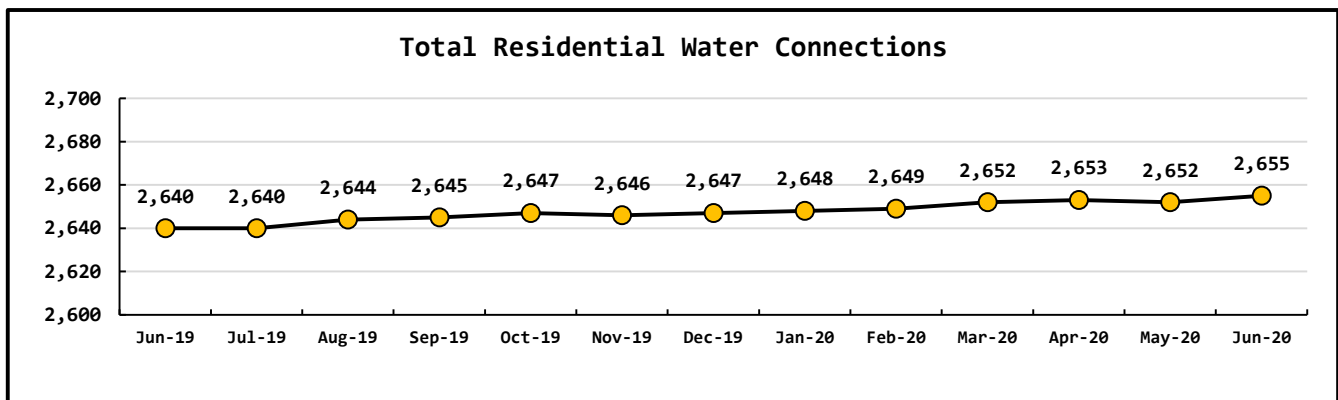
| Metering Period               | Water Consumption                             |
|-------------------------------|---|
| June 1, 2020 to June 30, 2020 | Total Water Sold <b>7.6140</b> mg             |
|                               | NWF Backwash <b>0.2019</b> mg                 |
|                               | SWF Backwash <b>0.8417</b> mg                 |
|                               | Distribution Flushing <b>1.2242</b> mg        |
|                               | Total Authorized Consumption <b>9.8818</b> mg |
|                               | Distribution Leakage <b>-0.0259</b> mg        |
|                               | Percent of DSL <b>-0.3%</b> %                 |

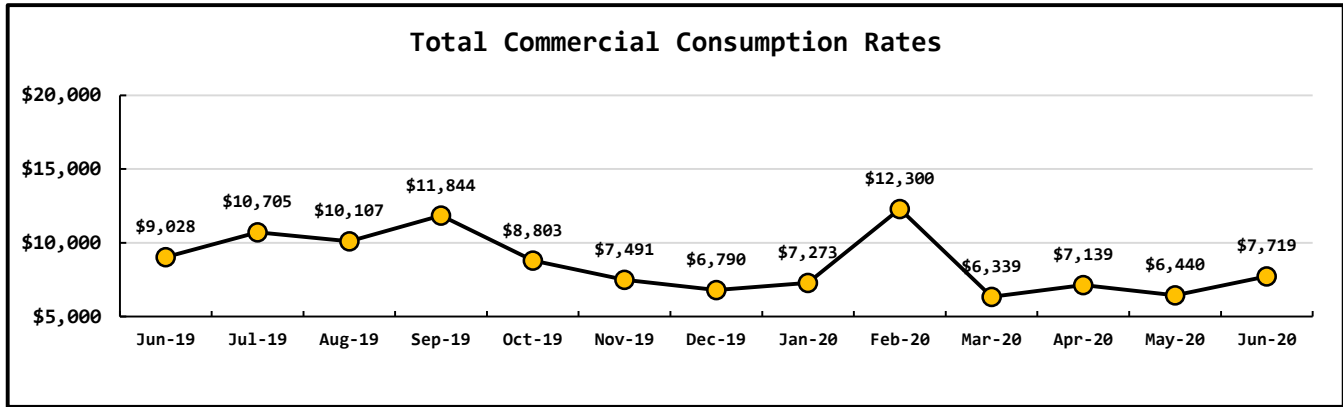
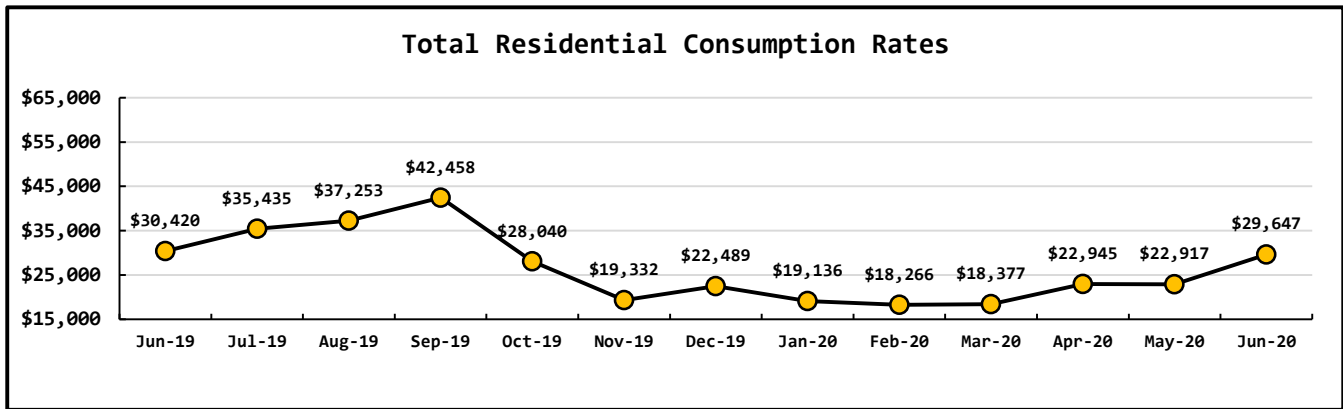
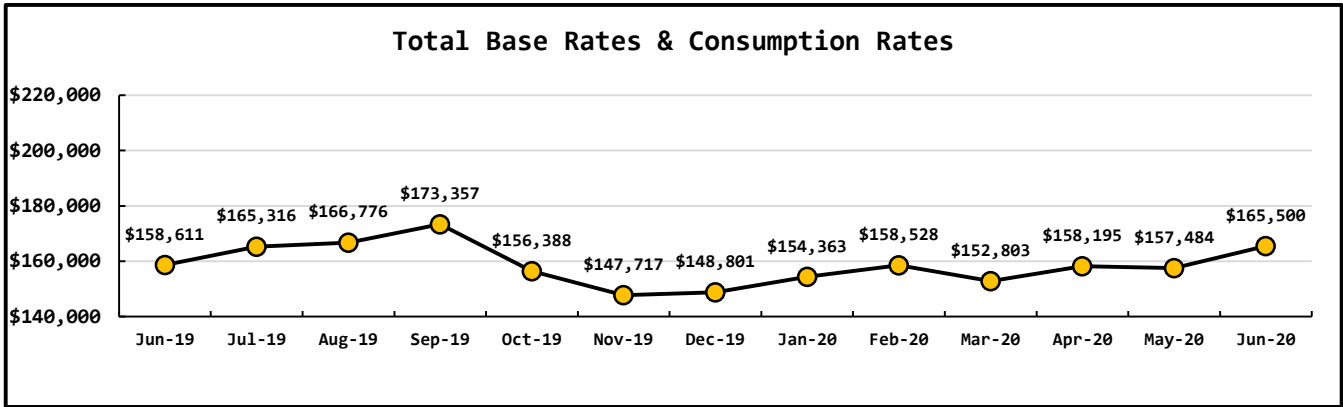


| Data Period | Booster System Data             |       |            |
|-------------|---------------------------------|-------|------------|
| June, 2020  | North Wellfield Booster High    | 1,118 | <i>gpm</i> |
|             | North Wellfield Booster Low     | 0     | <i>gpm</i> |
|             | North Wellfield Booster Average | 117   | <i>gpm</i> |
|             | South Wellfield Booster High    | 1,547 | <i>gpm</i> |
|             | South Wellfield Booster Low     | 0     | <i>gpm</i> |
|             | South Wellfield Booster Average | 117   | <i>gpm</i> |
|             | North Wellfield Booster High    | 75    | <i>psi</i> |
|             | North Wellfield Booster Low     | 10    | <i>psi</i> |
|             | North Wellfield Booster Average | 60    | <i>psi</i> |
|             | South Wellfield Booster High    | 76    | <i>psi</i> |
|             | South Wellfield Booster Low     | 0     | <i>psi</i> |
|             | South Wellfield Booster Average | 61    | <i>psi</i> |

| Data Period | Well Field Data       |        |           |
|-------------|-----------------------|--------|-----------|
| June, 2020  | North Wellfield Total | 5.0915 | <i>mg</i> |
|             | South Wellfield Total | 4.7644 | <i>mg</i> |

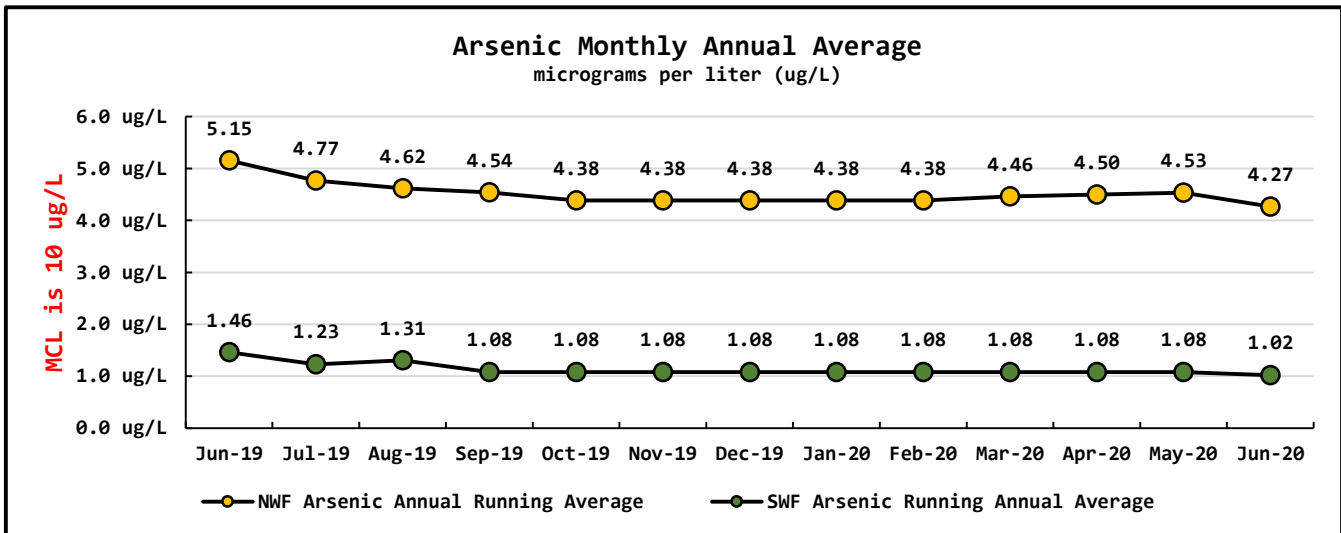
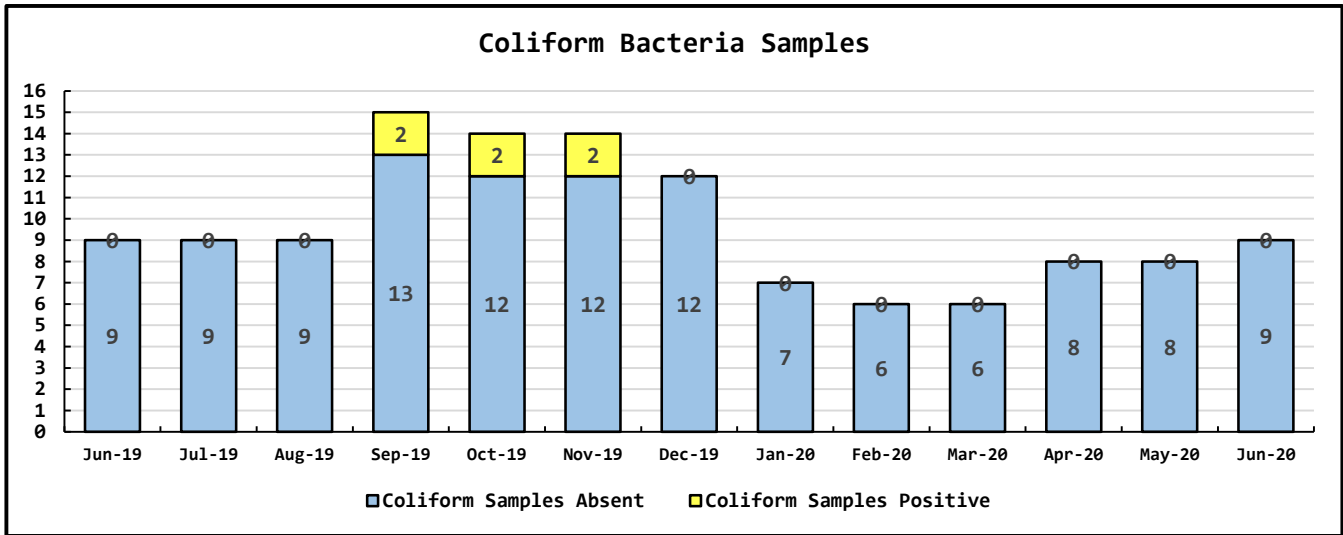
| Data Period | Accounts Data        |       |                         |                         |       |    |
|-------------|----------------------|-------|-------------------------|-------------------------|-------|----|
| June, 2020  |                      |       | Residential Base Rate   | 119,464                 | \$    |    |
|             |                      |       | Residential Consumption | 29,647                  | \$    |    |
|             |                      |       | Commercial Base Rate    | 8,670                   | \$    |    |
|             | Residential Accounts | 2,655 | <i>ea</i>               | Commercial Consumption  | 7,719 | \$ |
|             | Commercial Accounts  | 100   | <i>ea</i>               | Fire Flow Rate          | 1,108 | \$ |
|             | Fire Flow Accounts   | 4     | <i>ea</i>               | Backflow Assembly Rates | 188   | \$ |
|             | Backflow Accounts    | 27    | <i>ea</i>               | Surfside Contract       | 0     | \$ |
|             |                      |       | Surfside Reimbursement  | 0                       | \$    |    |
|             |                      |       | Other Fees & Charges    | 870                     | \$    |    |
|             |                      |       | Total                   | 167,666                 | \$    |    |





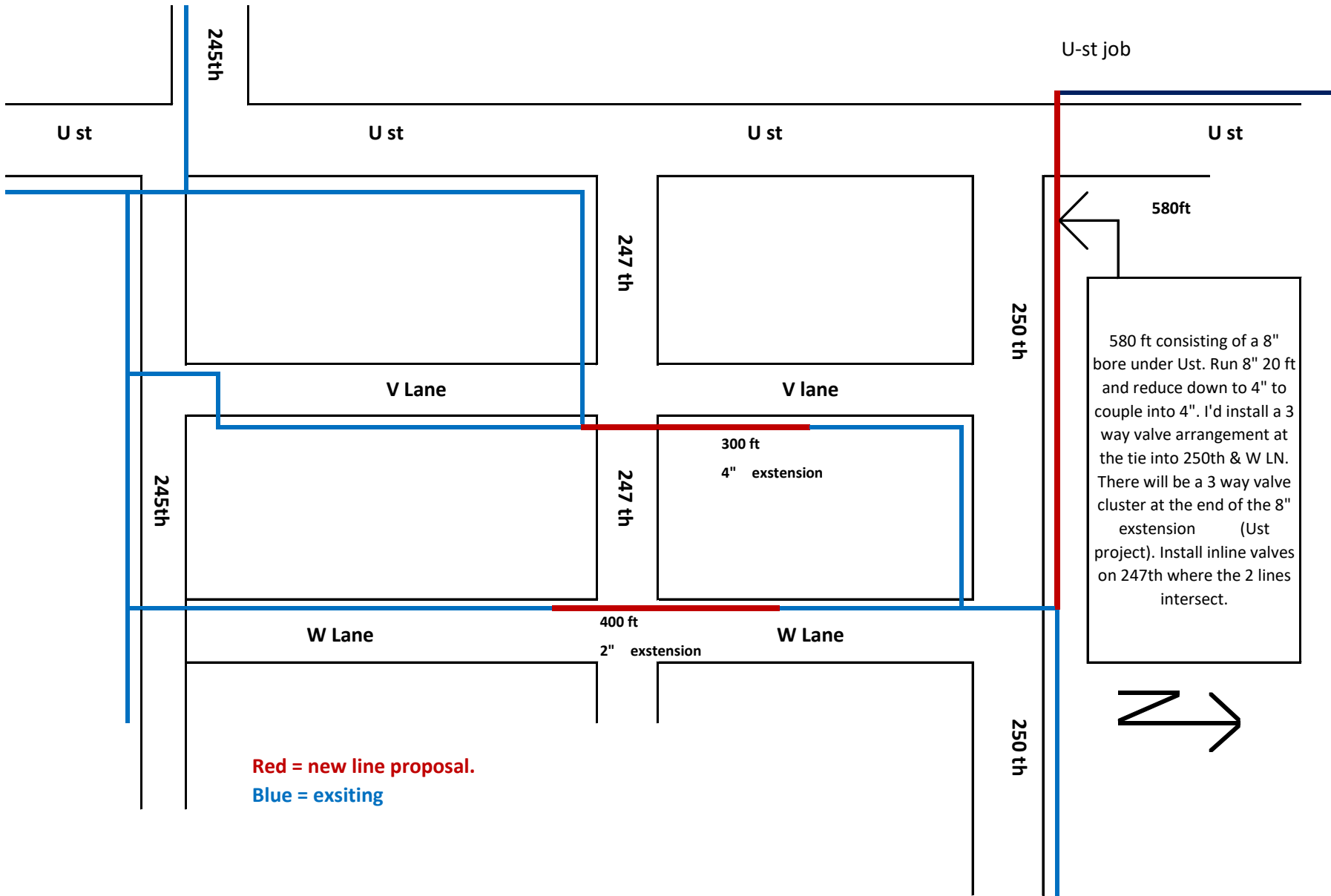
| Data Period | Operations Data           |     |    |
|-------------|---------------------------|-----|----|
| June, 2020  | Past Due Accounts         | 258 | ea |
|             | Properties with Liens     | 28  | ea |
|             | Accounts Locked Off       | 0   | ea |
|             | Water Main Locates        | 31  | ea |
|             | Water Quality Complaints  | 0   | ea |
|             | Customer Service Calls    | 67  | ea |
|             | Customer Valves Installed | 0   | ea |
|             | New Services Installed    | 1   | ea |

| Data Period | Water Quality Data                 |      |             |
|-------------|------------------------------------|------|-------------|
| June, 2020  | Coliform Samples Collected         | 9    | <i>ea</i>   |
|             | Coliform Samples Absent            | 9    | <i>ea</i>   |
|             | Coliform Samples Positive          | 0    | <i>ea</i>   |
|             | Coliform Sample Positive E. coli   | 0    | <i>ea</i>   |
|             | NWF Arsenic Annual Running Average | 4.27 | <i>ug/L</i> |
|             | SWF Arsenic Running Annual Average | 1.02 | <i>ug/L</i> |



## June 2020 Managers Report:

- We finished our flushing of the distribution system. We will be flushing at least twice a year with the addition of Chlorine to help keep the taste & odor complaints down.
- Installed the auto flush valve at the end of the mainline on HWY 103 at 181<sup>st</sup> which has proven to help keep the chlorine residual up around .30 ppm. Not too high nor is it too low.
- Other installs of auto flush valves that need addressed are - The end of Birch for now. 1 piece at a time. We will build our own from now on, so we keep the cost down. To build and cover we are at \$950.00 instead of \$2,400.00
- Other loop feed lines that I have been looking into that I see needs to be done. Please see attachment.
- Out for prices currently.
- We have had 3 main breaks this month. They were on 245<sup>th</sup>, 274<sup>th</sup>, & 255<sup>th</sup>. There has been talk between Dennis and myself about the functionality of the pressure reducing valve. I have read in past records here that at one time it was installed in the vertical position and was reinstalled in the horizontal position which it should be. The pressures are still exceeding what we need it to do. Observed at the time we flushed the system. This is a touchy piece of equipment that needs constant observance and maintenance. Had the Reps from SINGER (PRV) Maintenance here and we are now awaiting their feedback.
- Moved 2 waterlines for the county during there drainage project on 270<sup>th</sup>.
- We have had the Port of Peninsula and Golden Sands commit to contracts to do maintenance of the reduced pressure backflow assemblies. June 30<sup>th</sup> at 10:00pm we arrived at Golden Sands to repair a leaking valve. We worked at night so the impact of no water would be low to residents. Tom, the maintenance person, was very impressed about our quality of workmanship. We installed a new RP at the Port of Peninsula. Both assemblies passed testing and are functioning properly.
- Backflow testing has been completed. It was discovered during meter reading that there have been 5 occurrences of backflow. We are working with customers to get testable dual check valve assemblies installed.
- Gray & Osborne were here to do a walkthrough of both NWF & SWF chlorination systems. Sent Joe the paperwork he required and awaiting his feedback. At the time of inspection, he stated that everything looked correct and in place.
- NWF- Lost #3 pump on Friday July 10th. After taking it apart found the impeller was destroyed. We had another pump and the crew worked to get it installed and running by 4:40pm that evening. Talked with Joe at G&O, Bob with Pump Tech, & Bill.
- Joe stated that it was from the use of chlorine. Bob said air. Bill said air. I agree with Bob & Bill. The impeller had pitting in it which is caused by Cavitation (air). I did order another replacement for the one that went down. It will be here by 10<sup>th</sup> of August. We are preparing to disassemble the (2) 25 Hp pumps to see what condition they are in. Awaiting rebuild kits to arrive. When they show up, we will take them apart.
- We have hired two new employees:
  - Emily Mortensen – Administrative Associate to replace Angela Blakely who has decided to move back to Hawaii. Emily was hired on July 6<sup>th</sup>.
  - Austin Benson – Water Service Worker 3 – Start date is August 3<sup>rd</sup>.



580 ft consisting of a 8" bore under Ust. Run 8" 20 ft and reduce down to 4" to couple into 4". I'd install a 3 way valve arrangement at the tie into 250th & W LN. There will be a 3 way valve cluster at the end of the 8" extension (Ust project). Install inline valves on 247th where the 2 lines intersect.

Red = new line proposal.  
 Blue = existing