

WATER DISTRICT 19
BOARD OF COMMISSIONERS MEETING
Tuesday, March 6, 2018

SPECIAL MEETING 9:00 AM

A Special Meeting of the Board of Commissioners was held in the district's board room. Those in attendance were **Commissioner President Bob Powell, Commissioners Jenny Bell and Seth Zuckerman, General Manager Jim McRae and Operations Lead Jamie Hatton.** The purpose of the Special Meeting is to continue discussion of the Comprehensive Plan and other business as necessary. The Vashon Beachcomber and The Loop were notified in advance of the Special Meeting.

AGENDA:

• **VISITOR BUSINESS**

- None scheduled

• **BOARD – ACTION REQUIRED**

- Review 2018 CIP
- At 9:10 am **General Manager McRae** opened the meeting by introducing the board to his revised comprehensive plan chapters that included our sources and the current operating conditions of our well field. There has been discussion with Landau of shutting down well #2 and rehabilitating well #4. Staff will create a maintenance plan, based on consulting from Landau, a hydrogeology firm, for the well field that is conducive with the District's need and the board's oversight. Landau has endorsed the use of CO2 treatment however; the board prefers surge and bail.
- **President Powell** brought up the specific capacities of the well and pointed out that these wells have gone from 250 gpm to 75 gpm (well #4). **Commissioner Bell** made the observation that the original pumping rate of 250 gpm was pumping at a very aggressive and unsustainable rate. The discussion progressed towards researching a more sustainable pumping rate of all of the wells and the current board preference is surge and bail rather than CO2 treatments.
- **President Powell** suggested that the District include well maintenance in the budget each budgeting cycle, and this will also work towards aiding Katie Isaksen; the District's contracted rate study specialist, in completion of the District's current rate study.
- The Board discussed the budgeting process, in conjunction with all of the projects that need to be addressed from the comprehensive plan. How the District can achieve those projects in conjunction with the current work being done on the rate study. This effort is for intelligently financing capital projects by including those costs into the rates as well as daily operations and maintenance.
- Water loss was discussed both at the sources through the recycle basins, and through main leaks as well as customer water loss due to leaks in service lines. **Commissioner Zuckerman** noted that there is a need for more conversation of this topic, but it could be done in meetings at a later date.

- **Commissioner Bell** requested a leakage presentation at the May BOC meeting and staff agreed to have it on the May meeting agenda. The CCR and WUE are due around that time and the request was seen as a reasonable expectation of staff. The board reiterated their desire to review the CCR before it goes out.
- **President Powell** stated that he would like to see revenue increases via high use customers go directly towards the CIP projects. Additionally he would like to raise the amount of money going towards capital projects from \$250,000 annually to \$400,000 annually in order to maintain a reasonable time line for replacement of aging infrastructure and problems with water quality.
- **General Manager McRae** suggested that Bank and 115th be maintained as it is, and that the cost of a main for 18 customers at over \$450,000 was in his opinion, not the best use of District funds. Ensuing discussion confirmed that the board was in agreement with this point of view, and with a few details to still be worked out the District would keep the current pressure tanks, holding tank and piping in place or something similar would be implemented for more permanent structures. The potential of an agreement may be offered for a longer term solution to the property owner where the current configuration sits. It is the hope that they will continue to allow the District to have the booster station at that site and put any main replacement project for that area further down the CIP list.
- Staff introduced the need for new and larger capacity mains on Vashon Highway between 216th and 204th to improve water quality and improve fire protection by adding fire hydrants and 12" cement lined ductile iron pipe to replace the deteriorating 6" steel lines. This area has chronic brown water events, and there are no hydrants between 206th and 216th. Also, the line on 216th between monument road and tramp harbor drive have been included and moved up to an "A" project, that line is very troublesome and costly to the District. Added to the CIP list as an "A" project is new main; from Morgan Hill tank to Monument Road. Some of this main crosses an area where there is no road is on private property, this part of the project will include a new PRV.
- **General Manager McRae** also introduced the idea of an intertie between Westside Water and Water District #19 to enhance Fire flow needs, which would be a benefit for emergency situations between both water systems. It will fall on the "B" list of the CIP.
- **President Powell** suggested grouping projects into groups of \$2,000,000-dollar chunks (i.e. Group A is appropriated \$ 2,000,000 Group B \$2,000,000 and so on). This list will be used as for decision making for how much money is appropriated to the ten-year plan.
- **President Powell** advocated that the District retain the more the capital intensive scenarios for supplying water to the District such as a pipeline crossing from Tacoma to Vashon for water supply. The Board agreed.
- Water treatment for arsenic at the Beall Well will also be included in the plan so that we do not have to use dilution as the solution which is the present scenario the District has used to mitigate the high arsenic levels in that well.
- A Well Field high capacity booster station was introduced to the board during the planning session. The purpose for an upsized booster station is to address fire flow and fire storage issues that are current concerns. A more efficient high-speed pumping solution was reviewed that would provide emergency distribution system redundancy in case of treatment plant failure. This solution will also

negate the need to add more pressure to the 490 Zone by “fast-filling” the 1.0-Million-gallon tank from the 625,000-gallon tank during emergencies

- Also discussed was installing more efficient lighting at the treatment plant, perhaps with LED lighting. Solar panels installation on the plant roof to power the lighting and send surplus energy to the grid. There was also an inquiry regarding a second out-take point on Ellisport Creek on 87th to tie into the raw water line as a potential new source of water.
- **General Manager McRae** has initiated an Energy Audit to study District usage, in light of the number of large motors and the electricity it takes to power them. The study will explore the possibilities of energy production/conservation to lower expenses.
- **Commissioner Bell** asked if we can go below the recommended 8” main size. That decision would be at the discretion of the board according to the location, and where looping is not probable. Other factors to be considered are the number of customers, availability of fire flow, and the need for hydrants, which in most cases would require an 8-inch line.
- Main replacements for Dockton, Kingsbury, 222nd, Deppman and 80th and 234th will also be included on the A list.
- **General Manager McRae** brought up the sale of Gold Beach Water; the first offer of sale will be to the HOA. The District may be asked to become their SMA for that system, but the feasibility of this would require further discussion and must ensure it provides the potential for additional income for the District, vs. Infrastructure and potential water quality issues that would come with that water system.

• **BOARD – DISCUSSION/TABLE/MORE INFORMATION**

- Comprehensive Plan – review, recommend and approve 2018 Capital Improvement Projects

• **CONCLUDE**

Meeting adjourned at 11:17 am