



Making a difference...together

**SURFSIDE PARK ESTATES WATER SERVICE COMMITTEE
2014 ANNUAL GENERAL MEETING REPORT
MAY 13, 2015**

Purpose of the Annual General Meeting

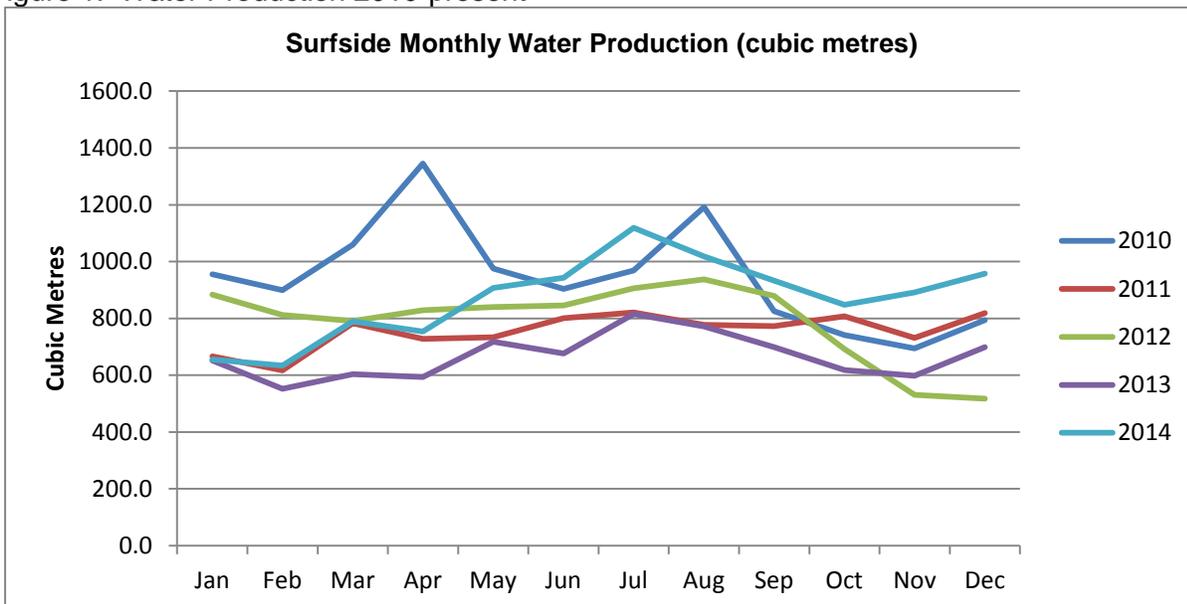
The agenda for the Annual General Meeting (AGM) is approved by the members of the committee. The purposes (and hence the agenda items) of the meeting are:

- To have the last year's AGM meeting minutes approved (by committee members), and to present reports on the work of the committee, the past year's operation, maintenance, capital upgrades and financial information of the service to the service residents and owners.
- To nominate members for appointment to the service committee; and
- To enable the public to share comments on subjects which relate to the work of the committee. The committee can identify (under "new business") issues on which it wants feedback at the meeting. Motions are not considered from the public at the AGM.

Water Usage

A total of 10,448 cubic metres (m³) of water was pumped from the Surfside well in 2014, which is 8% higher than the 5 year annual average. Well production by month is shown in Figure 1.

Figure 1. Water Production 2010-present



Operations

The Surfside water system operated reliably, for the most part, during 2014. However, in early December, it was observed that arsenic levels in the treated water suddenly and unexpectedly slightly exceeded the maximum acceptable concentration as established in the *Guidelines for Canadian Drinking Water Quality*. In consultation with Island Health Authority, a public advisory was immediately issued to the Surfside Park Estates water service community advising that although arsenic levels were slightly above acceptable levels, the water remains safe. Arsenic is a naturally occurring metalloid in soils and bedrock and is classified as being carcinogenic to humans in conjunction with long-term exposure through drinking water.

CRD Operations immediately investigated the cause and discovered that the arsenic filtering system mechanical equipment had failed, permitting some water to bypass the filtering process. Extensive mechanical repairs were performed on the filtering system. As a result of the repairs, treated water arsenic levels are below the maximum allowable concentration limit.

A summary of major maintenance work in 2014 is as follows:

- Jan - March
 - Repaired leaking clear well tank piping at the treatment plant.
 - Replaced drive motors on arsenic removal filter vessels.
 - Rebuilt chlorine injection pump and installed new chlorine injection piping.
 - Preventative maintenance performed on the Wooddale pressure regulating valves and air release/vacuum valves.
- April – June
 - Removed and replaced arsenic filter media. Shipped the spent media to the Alberta hazardous waste disposal centre.
 - Repaired water service leak at 416/418 Wood Dale Drive.
 - Repairs to the ultra violet (UV) light disinfection system (UV intensity sensor replaced).
 - Repairs to the chlorine residual analyser (new probe).
- July –Sept
 - Hydrant maintenance completed.
 - Replaced leaking pipe fitting at filter building.
- Oct. – Dec.
 - Replaced failed pressure transducer.
 - Repairs to arsenic filtering system automatic control valves.

2014 Projects

There were no specific capital projects completed in 2014 although the draft Strategic Asset Management Plan (SAMP), was issued at the end of 2013. The SAMP will be presented and discussed with the Committee at a future meeting and will serve as the basis for future capital planning.

Water Quality

Water Quality Section staff continued to coordinate sampling and monitoring the water quality at this utility. The executed Water Sampling Plan was developed based on the regulatory requirements and system specific risks. Samples were collected at regular frequencies from the raw water sources as well as from a number of stations throughout the distribution system, and were then shipped to and analysed in CRD's Water Quality Lab and in various contract labs.

Well #5, the primary source of the Surfside water system, continued to produce water that was free of indicator bacteria such as total coliforms and E. coli as well as parasites such as cryptosporidium and giardia. The median pH and raw water turbidity in 2014 were 8.5 and 0.43 NTU respectively. The raw water exhibited elevated arsenic concentrations (range between 40 and 60 µg/l) and manganese concentrations around the aesthetic objective for drinking water of 50 µg/l (as per Guidelines for Canadian Drinking Water Quality).

The treated water supplied to the customers in 2014 was generally of good quality. No total coliforms nor E. coli bacteria were found in any samples from the distribution system. The maximum allowable concentration of arsenic in drinking water (10 µg/l as per Guidelines for Canadian Drinking Water Quality) was slightly exceeded on six occasions throughout the year. At least two of these occasions were attributable to temporary malfunctioning of mechanical equipment at the treatment plant. The faulty equipment was expediently repaired by CRD Operations and an acceptable water quality leaving the treatment plant restored. A public advisory related to an arsenic exceedance was in place between December 9 and 13, 2014. As a result of this event, the CRD now maintains an inventory of spare filter media.

Chlorine residual concentrations were adequate in the treated water and varied throughout the system between 0.28 and 1.28 mg/l. Disinfection by-product concentrations remained well below the maximum allowable concentrations. A summary of the water sampling results can found on the following website: <https://www.crd.bc.ca/about/data/drinking-water-quality-reports/southern-gulf-islands-water-quality-reports/surfside-park-estates-water-quality-reports>

2014 Financial Report

The 2014 parcel tax and user charge were:

Parcel Tax: \$326.11
User Charge: \$953.30

Attached is a *Statement of Financial Activities* as prepared by CRD Finance and Corporate Services for 2014. The statement provides an overview of the revenues and expenditures for the year.

Revenues totalled \$94,977, including:

- \$33,153 of *Transfers from government* (parcel taxes)
- \$61,012 of *Sale of services* (user charges)
- \$365 of *Interest earnings*, and
- \$447 of *Other revenue* including late payment charges.

Expenses totalled \$99,113, including:

- \$5,273 of *General government services* (charges by CRD Corporate Services for accounting and billing)
- \$94,446 of *Other expenses* (comprised of borrowing charges for capital work and operating and maintenance costs), and
- (\$606) - credit *Fiscal services* (credit against cost to administer loans).

The difference between revenue and expenditures in 2014 is a net expense of \$4,136. This amount

was deducted from the surplus of \$33,707 carried forward from 2013, leaving a surplus of \$29,571 carried forward to 2015.

The 2015 operating and capital budgets recommended by the Surfside Park Estates Water Service Committee were approved by the CRD Board in March 2015. The approved budget resulted in the following fees and charges for 2014, unchanged from the previous year:

- Parcel Tax: \$326.11
- Annual User Charge: \$953.30

Water System Problems - Who to Call

To report any problems please call the Capital Regional District: **1-250-474-9630**
Or: **1-800-663-4425**

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DR/SM/CM/PD:ls

Attachments: 1