



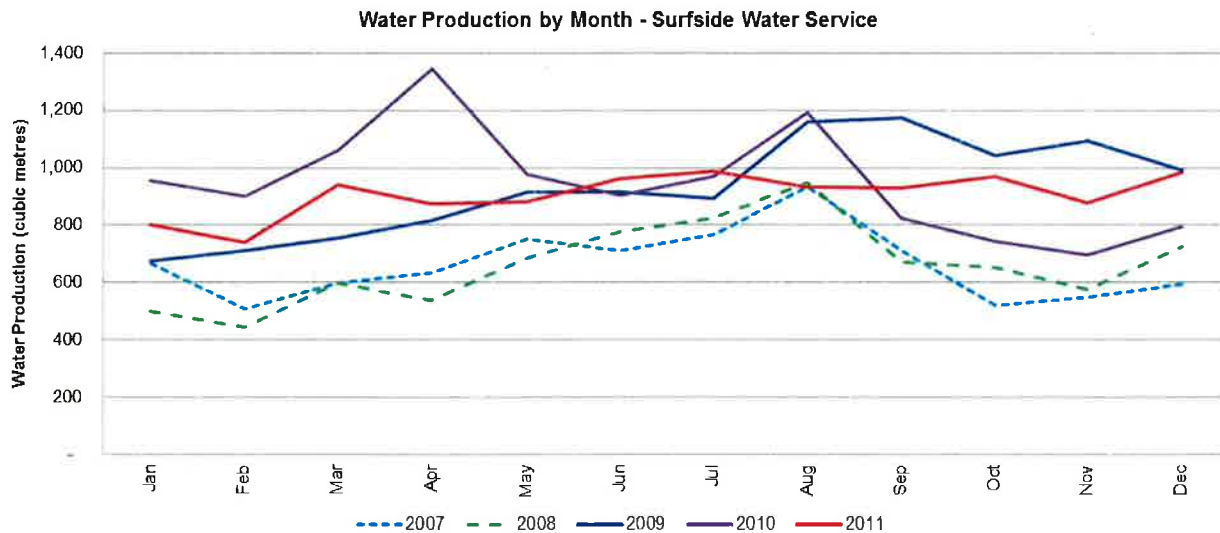
Making a difference...together

**SURFSIDE PARK ESTATES WATER SERVICE
ANNUAL REPORT
MAY 23, 2012**

Water Usage

A total of 10,879 cubic metres (m³) of water was abstracted from the Surfside well in 2011, which is 4.2% less than 2010. Well production by month is shown in Figure 1.

Figure 1. Water Production 2007-present



Operations

The Surfside water system operated reliably in 2011, with no significant problems. A detailed summary of maintenance work in 2011 and approximate costs, follows:

- Jan 12 2011
 - Heavy snow caused power outage for 18 hours.
- Jan 13 2011
 - New piston, spacers and O rings installed in both pre-filter heads.
 - Scrape and clean pipe work in PRV chamber.
- Jan 14 2011
 - Order new 2" Singer PRV for PRV chamber: \$514.00
 - Order new UV bulbs: \$248.90
- Jan 18 2011
 - New E33 arsenic media purchased: \$4,286.57 (US)
- Jan 25 2011
 - Purchased four new drive motors for pre & arsenic filter heads: \$552.92
- Feb 17 & 18 2011
 - Replace leaking pipe work and seized PVC ball valves on backwash supply line.
 - Replace inlet and outlet pressure gauges on pre-filter panel.
 - Clean out building eaves-troughs.

- Service 2" prv and 2" pressure relief valves in filter building.
- Feb 21 2011 • New Cl₂ free probe tips purchased: \$131.25
- Feb 28 2011 • Vessel A pre-filter control module lost memory. Technician from AdEdge assisted in reprogramming both vessels.
- Removed and cleaned both 2" mag meters on back of pre-filters.
- April 6 2011 • Electrician replace drive motors on both pre-filters, inspected UV unit, installed new pressure differential gauge on pre-filter, checked batteries at reservoir on solar system.
- Problems with pre-filter heads allowing water to waste when in normal operation.
- April 18 2011 • Installed original pistons in pre-filter heads with new rubber - working properly now. New pistons installed January 13, 2011 were faulty – too long, sent back to supplier for credit. Replaced faulty UV reflector shield (\$419.53), cleaned PRV station and inspected. Checked media in pre-filters – OK (free flowing).
- April 26 2011 • 2 spare drive motors purchased for arsenic filter (\$301.86).
- May 19 2011 • Semi-annual test for metals/parasites done. Removed faulty 2" flow meter to filters on back wash supply line and returned to supplier for repair (Van Isle Water); 3 new eye wash bottles put in stations, PRV station maintenance, 6" supply valve to 3" PRV in need of repair – badly rusted.
- May 21 2011 • Retest for NC at 427 Wooddale – retest OK.
- June 1 2011 • Arsenic test failed (10.6 mg/L). Retest failed on June 9, 2011 (18.6 mg/L).
- June 10 2011 • In order to address failed arsenic test, we changed 14 cu. ft of media and 200 lb of ¼" x 1/8" gravel in arsenic vessels, back washed, put in service, retested – OK (0.344 µg/L).
- Maintenance done on 5 hydrants, valves exercised, valve boxes painted and vegetation cut around hydrants and valves.
- July 27 2011 • Kill wasp nest at plant, re-build Cl₂ pump in filter building. Found leak at 287 Wooddale. Three jugs of Cl₂ and two eyewash bottles.
- Sep 15 2011 • Semi-annual metals/parasite tests done, Cl₂ delivered.
- Oct 14 2011 • Leaks at 422 Bowsprite Road and 287 Wooddale.
- Nov 10 2011 • Two 20-litre containers of gas for genset and three 20-litre containers of Cl₂ delivered. Cut grass around filter building. Remove sludge from Cl₂ day tanks in well house and filter building. Clean strainer in backwash meter.

Projects

One capital project was included in the 2011 budget: a Strategic Asset Management Plan (SAMP). This project will be completed in 2012 with the results presented to the Committee to serve as the basis for future capital planning.

There were no new service connections in 2011.

Water Quality

Water Quality Division staff are preparing the *2011 Annual Water Quality Tables for the Surfside Park Estates Drinking Water System* which will be posted on the CRD website by mid-year. These tables show the water quality data collected in 2011. Currently, there are no specific water quality issues in this drinking water system.

2011 Financial Report

Attached is a *Statement of Financial Activities* as prepared by CRD Finance and Corporate Services for 2011. The statement provides an overview of the revenues and expenditures for the year.

Revenues totalled \$93,041, including:

- \$33,153 of *Transfers from government* (parcel taxes)
- \$59,233 of *Sale of services* (user charges)
- \$118 of *Interest earnings*, and
- \$537 of *Other revenue* including late payment charges.

Expenses totalled \$76,711, including:

- \$3,850 of *General government services* (charges by CRD Corporate Services for accounting and billing)
- \$72,624 of *Other expenses* (comprised of \$25,992 of borrowing charges for capital work, and \$46,632 operating and maintenance costs), and
- \$237 of *Fiscal services* (cost to administer loans).

The difference between revenue and expenditures in 2011 was net revenue of \$16,330. This amount was added to the surplus of \$4,000 carried forward from 2010 and \$14,899 was transferred to the Reserve Fund, leaving a surplus of \$5,431 carried forward to 2012.

The 2012 operating and capital budgets recommended by the Surfside Park Estates Water Service Committee at the November 2011 budget meeting were approved by the CRD Board in March 2012. The approved budget results in the following change to fees and charges for 2012:

- Parcel Tax: No change
- Annual User Charge: Increases from \$925.53 to \$953.30

The increase in User Charges is the result of increased labour and contract rates.

The approved budget includes two capital items:

1. **PRV Replacement (2") - \$15,000:** Replacement of corroded pipework and valving in the existing structure.
2. **Strategic Asset Management Plan - \$10,000:** Completion of the 2011 SAMP, funded by the Community Works Fund (Gas Tax) at no cost to the water users. The \$10,000 will be used to reduce the original amount to be paid by water users from \$5,000 to \$2,500 and to increase the total SAMP budget by \$7,500.

Water System Problems - Who to Call

To report any event please call the Capital Regional District: **1-250-474-9630**



Tim Tanton, MPA, P.Eng.
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J.A. (Jack) Hull, MBA, P.Eng.
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Concurrence

CS:ls

Attachments: 1

CAPITAL REGIONAL DISTRICT

**WATER REVENUE FUND
Statement of Operations (Unaudited)
For the Year Ended December 31, 2011**

	Surfside Water Supply
Revenue	
Transfers from government	\$ 33,153
Sale of services	59,233
Other revenue from own sources:	
Interest earnings	118
Other revenue	537
Total revenue	93,041
Expenses	
General government services	3,850
Grants in aid	-
Other expenses	72,624
Salaries and wages	-
Fiscal services	237
Recovery	-
Total expenses	76,711
Net revenue (expenses)	16,330
Transfers to own funds:	
Capital Funds	-
Reserve Funds	14,899
Equipment Replacement Fund	-
Transfers from own funds:	
Reserve Funds	-
Annual surplus	1,431
Accumulated surplus, beginning of year	4,000
Accumulated surplus, end of year	\$ 5,431