



Making a difference....together

GANGES SEWER LOCAL SERVICE COMMISSION

Notice of Annual General Meeting on **November 29, 2013 at 1pm**

Portlock Park Portable Meeting Room, 145 Vesuvius Bay Road, Salt Spring Island, BC

T. Toynbee (Chair)
G. Utter

L. Pepin
W. McIntyre

R. Scotvold

J. Sprague

AGENDA

1. Approval of Agenda
2. Chair's Report
3. Annual Report
4. Election of Officers
5. New Business
6. Adjournment

To ensure quorum, advise Tracey Shaver 250.537-4448 if you cannot attend.



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**GANGES SEWER SERVICE
ANNUAL REPORT
FRIDAY, NOVEMBER 29, 2013**

Operations

With few exceptions, the Ganges wastewater collection system and treatment plant continues to operate reliably. Major events and activities included:

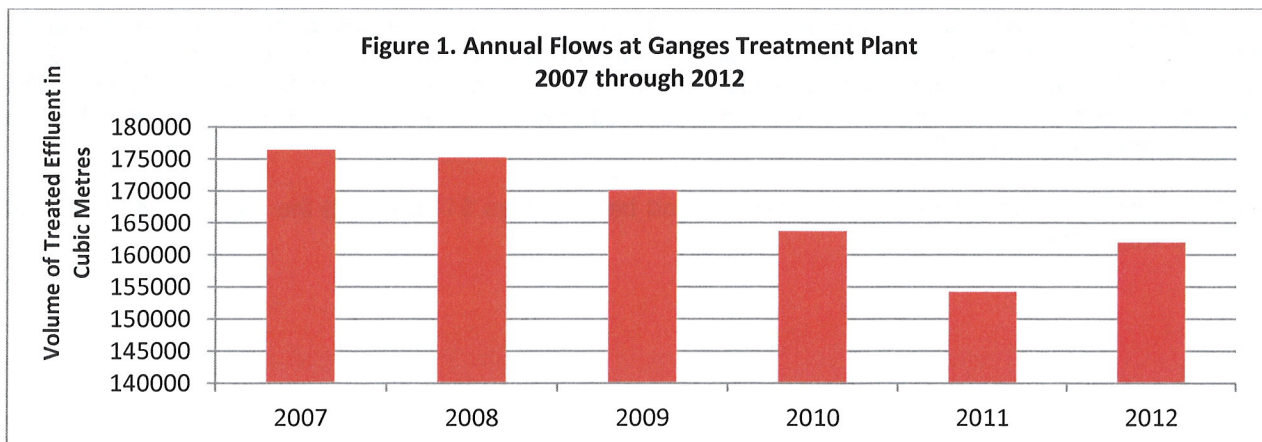
2012:

- Replace volute and impeller on sludge return pump (MBR)
- Replace controls for new generator controller
- Replace generator micro-processor
- Modify pump base to relocate motor (process pumps mis-alignment)
- Replace spare VFD (Variable Frequency Drive on standby pump)
- Install influent pump and rebuild spare
- Replace intercooler tube (compressor)
- Replace Stop Float in Effluent Wetwell
- Repair Air Dryer circuit
- Replace failed equalization tank pump motor.

2013 to date:

- Repairs to equalization tank including new O/F pipe and submersible pump
- Repairs to influent pump
- Replace mud valve
- Repair MBR (membrane bio-reactor) pressure switch
- Repair sludge recirculating pumps
- Repair pump #1 at Manson pump station.

The 2012 flow through Ganges Pollution Control Center increased approximately 5% from the previous year however, as a longer term trend, flows have decreased by 14.4% since 2007, despite growth in the community. Decreased flow is largely influenced by the continuing trend of decreasing potable water consumption related to indoor water use. The use of high efficiency appliances and low flow fixtures, in-house construction, and renovation is resulting in lower wastewater volumes. Wastewater flows at the plant continue to be influenced by inflow and infiltration (I&I) during wet weather and seasonal increases in population and commercial activity. Total annual flows through the Ganges treatment plant are shown in Figure 1.



The Ganges Wastewater Treatment Plant is regulated under the Province's Municipal Sewage Regulation. The Ganges Wastewater Treatment Plant was in compliance with the registration criteria between January 2012 and December 2012 and sampled flows were consistent with the previous two years for all parameters. None of the samples exceeded the maximum allowable concentrations for flow, Total Suspended Solids (TSS), Carbonaceous Biological Oxygen Demand (CBOD) or fecal coliform. Overall, the treatment process removed approximately 99% of the TSS and fecal coliform bacteria from the influent.

356,341 Imperial Gallons (1,620 m³) of sludge waste was trucked and disposed of at the Salt Spring Island Liquid Waste Disposal facility at Burgoyne Bay at a cost of \$135,409, not including hauling costs by the contracted service provider.

Capital Plan

The following projects were undertaken in 2011 and continued through 2012:

- Asset Condition Evaluation and Engineering Study – the study was completed in 2011 and outlines a condition assessment of the existing system equipment, system capacity, and a 20 year capital program.
- Replace UV System – the new UV equipment was received in 2011 and required Capital Regional District (CRD) resources to resolve electrical and commissioning deficiencies. The UV unit is now operating as intended and all supplier issues have been successfully resolved.

2012 Financial Report

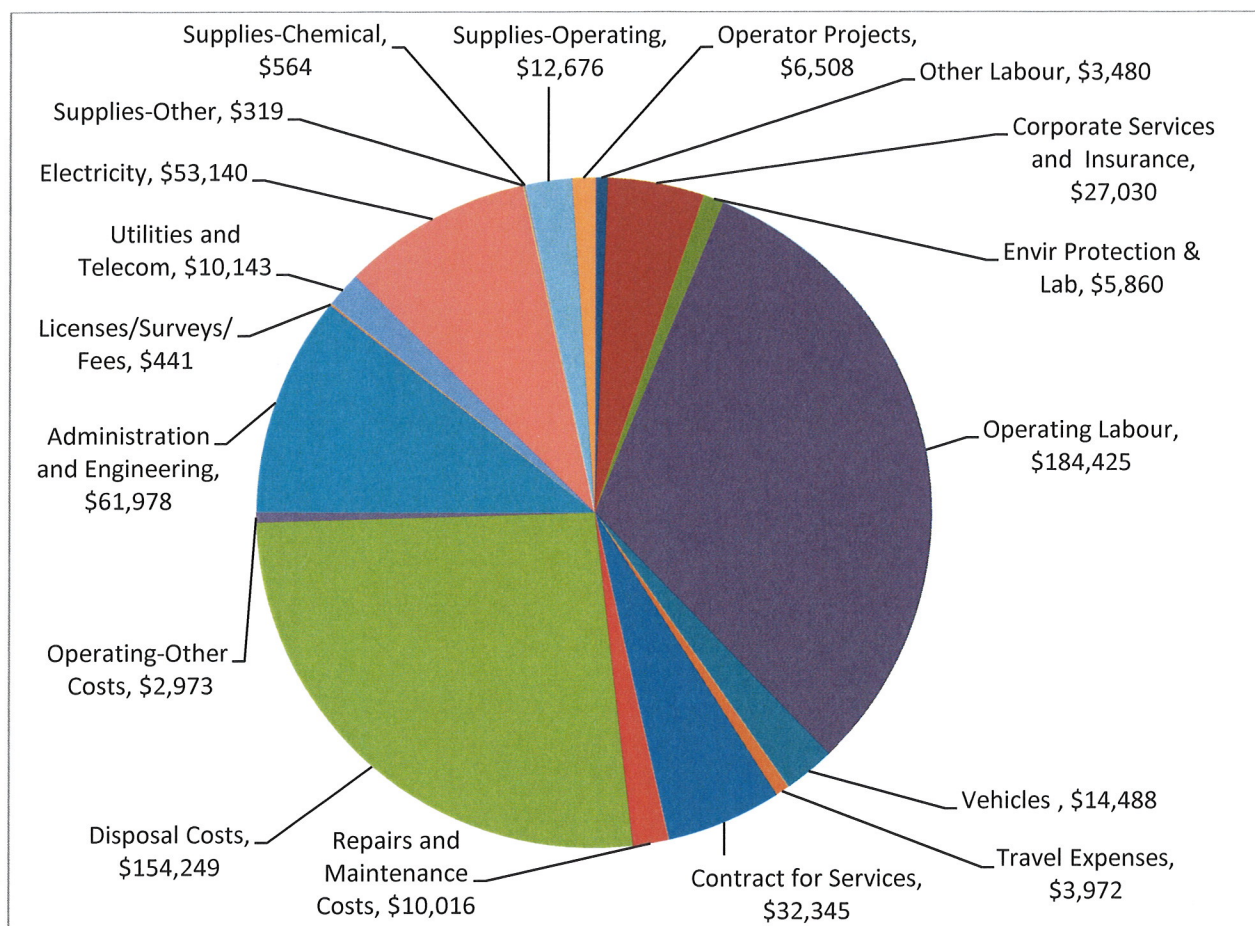
Attached is a copy of the Statement of Financial Activities as prepared by CRD Finance and Corporate Services for the year 2012. The statement provides an overview of the revenues and expenditures for the year. Revenues are generated primarily through parcel taxes and user fees (fixed and variable based on water use), and small amounts for interest on savings and miscellaneous revenue such as late payment charges.

Expenditures include all costs to administer the service. General government services are charges levied by CRD Corporate Services for the financial processing of the budget and collection of fees and charges. Other includes all expenses needed for the operation of the service including all CRD labour costs for day to day operations, CRD service personnel hours performing maintenance and repairs, chemicals, electricity, water testing costs, maintenance parts allowances for electrical and mechanical equipment, rental or equipment as necessary and allowances for technical and staff support to the committee, and for the payment of debt. The difference between revenue and expense is added to any surplus or deficit carried forward from the prior year. The surplus or deficit balance after any transfers is carried to the following year.

The Ganges 2012 revenue of \$584,428 included \$533,687 from user charges, \$45,757 from parcel taxes and \$4,984 from interest earned, late fees and grants in lieu of taxes. The total expenditures for 2012 were \$584,611, under the budgeted expenditure by \$3,137 but creating an operating deficit of \$183. The net result at the 2012 year end, including the \$6,059 surplus carried into 2012 from 2011, was a \$5,876 surplus carried forward to 2013.

At 2012 year end, the Ganges capital reserve fund balance was \$11,563 and the capital purchase fund balance was \$78,457.

2012 ACTUAL OPERATING EXPENDITURES - \$584,611



Wastewater System Problems – Who to Call:

To report any event or to leave a message regarding the Ganges wastewater system, call:

CRD local operator (Ganges Wastewater Treatment Plant): 250-537-4314
CRD emergency call centre: 1-250-474-9630


Ted Robbins, BSc, CTEch
General Manager, Integrated Water Services

GP/TR:mm
Attachment: 1