



## ENGINEERING & ENVIRONMENTAL SERVICES COMMITTEE

WEDNESDAY, SEPTEMBER 23, 2009 - 3:30 P.M.

CVRD BOARDROOM, 175 INGRAM STREET

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### AGENDA

	<u>PAGES</u>
1. <u>APPROVAL OF AGENDA:</u>	i – ii
2. <u>ADOPTION OF MINUTES:</u> M1 Minutes of August 26, 2009	1 - 5
3. <u>BUSINESS ARISING FROM THE MINUTES:</u>	
4. <u>DELEGATIONS:</u> No delegations	
5. <u>REPORTS</u>	
R1 CVRD Bylaw No. 3322 – amending Bylaw No. 2020 – Landclearing Management Regulation Bylaw, 2009.	6 – 8
R2 Staff Report regarding implementation of Bylaw No. 2020.	9 – 10
R3 Staff report providing information regarding sewer system line breaks.	11
R4 Staff report regarding Cowichan Estuary Environmental Management Plan.	12
R5 Staff report regarding short term borrowing for Budget 575 – Engineering and Environmental Services Control Budget.	13
R6 2009 Review of Utility Budgets	14 – 17
R7 2009 Review of Recycling and Waste Management Budgets.	18
R8 Staff Report regarding withdrawal of funds from Capital Reserve.	19
	.../2

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6. **INFORMATION:**

- IN1 Draft letter to the Provincial Government regarding international export of garbage and landfill waste. 20 - 21

7. **NEW BUSINESS:**

8. **CLOSED SESSION** - No closed session items.

9. **NEXT MEETING:** October 28, 2009

10. **ADJOURNMENT:**

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**Distribution:**

Director Cossey, Chair  
Director Haywood, Vice-Chair  
Director Dorey  
Director Duncan  
Director Giles  
Director Harrison  
Director Kuhn

**As Well As:**

Director Iannidinardo, Electoral Area D  
Director Kent, City of Duncan  
Director Marcotte, Electoral Area H  
Director Morrison, Electoral Area F  
Warren Jones, Administrator  
Brian Dennison, General Manager, Engineering & Environmental Services  
Bob McDonald, Manager, Recycling & Waste Diversion  
Dave Leitch, AScT., Manager, Water Management  
Kate Miller, Manager, Regional Environmental Policy  
Mark Kueber, Treasurer

**Agenda Cover Only:**

Directors Hutchins, McGonigle, Seymour, Walker  
Tom Anderson, General Manager, Planning & Development  
Joe Barry, Corporate Secretary

**The Full Agenda Package is available on-line at: <http://cvrd.bc.ca/Archive.asp?AMID=50>**

**M1**  
Minutes of the regular meeting of the Engineering & Environmental Services Committee held in the CVRD Boardroom, 175 Ingram Street, Duncan, on August 26, 2009 at 3:30 p.m.

**PRESENT:** Director Cossey, Chair  
Director Haywood, Vice-Chair  
Directors Dorey, Duncan, Giles, Harrison, Iannidinardo, Kent, Kuhn, Morrison

**ALSO** W. Jones, CAO  
K. Miller, A/Manager, Engineering & Environment

**PRESENT:** D. Leitch, ASCT., Manager, Water Management  
B. McDonald, Manager, Recycling & Waste Management  
H. Huffman, Environmental Technologist  
Lia Sampson, Environmental Assistant  
J. Bath, Recording Secretary

**APPROVAL  
OF AGENDA**

Items NB 1, NB2 and NB 3 were added to the agenda.

It was moved and seconded that the agenda be approved as amended.

**MOTION CARRIED**

**ADOPTION  
OF MINUTES**

It was moved and seconded that the minutes of the July 22, 2009 regular Engineering & Environmental Services Committee meeting be adopted.

**MOTION CARRIED**

**BUSINESS ARISING  
OUT OF MINUTES**

Director Giles referred to Item R5, asking staff if enforcement of Bylaw 2020 was going to commence immediately? The Manager, Recycling & Waste Management, replied that enforcement would immediately follow development of information materials for the Fall.

**DELEGATIONS**

No delegations

**REPORTS**

**R1**

A staff report providing a Kerry Village Water System Service Establishment Amendment Bylaw was considered.

It was moved and seconded that it be recommended to the Board:

1. That the *Certificate of Sufficiency*, confirming that sufficient petitions requesting inclusion into the Kerry Village Sewer System Service Area be received.
2. That the boundaries of the Kerry Village Water System area be amended to include "Section 1, Range 8, Shawnigan

*District, Except That Part In Plan 2485, VIP78819 and VIP79958".*

3. That "CVRD Bylaw No. 3298 – Kerry Village Water System Service Amendment Bylaw, 2009", be forwarded to the Board for consideration of three readings and adoption.

**MOTION CARRIED**

**R2**

A staff report was considered providing a Kerry Village Sewer System Service Establishment Amendment Bylaw.

**It was moved and seconded that it be recommended to the Board:**

1. That the *Certificate of Sufficiency*, confirming that sufficient petitions requesting inclusion into the Kerry Village Sewer System Service Area be received.
2. That the boundaries of the Kerry Village Sewer System area be amended to include "*Section 1, Range 8, Shawnigan District, except That Part in Plan 2485, VIP78819 and VIP79958*".
3. That "CVRD Bylaw No. 3299 – Kerry Village Sewer System Service Amendment Bylaw, 2009", be forwarded to the Board for consideration of three readings and adoption.

**MOTION CARRIED**

**R3**

A request for extension to the Sentinel Ridge Sewer System service area was considered.

**It was moved and seconded that it be recommended to the Board:**

1. That the *Certificate of Sufficiency*, confirming that sufficient petitions requesting inclusion into the Sentinel Ridge Sewer System Service Area be received.
2. That the boundaries of the Sentinel Ridge Sewer System area NOT be amended to include "*Lot A, District Lot 101, Plan VIP 76899, Malahat District*".

**MOTION CARRIED**

**R4**

A staff report providing Bald Mountain Water, Sewer and Drainage Management Bylaws was considered.

**It was moved and seconded that the following bylaws be forwarded to the Board for consideration of three readings and adoption:**

1. CVRD Bylaw No. 3244 – Bald Mountain Sewer System Management Bylaw, 2009
2. CVRD Bylaw No. 3245 – Bald Mountain Water System Management Bylaw, 2009
3. CVRD Bylaw No. 3304 – Bald Mountain Drainage System Management Bylaw, 2009.

**MOTION CARRIED**

R5

A staff report was considered, which presented an amendment to Bylaw 3099 – Lambourn Estates Water System Management Bylaw, 2008.

It was moved and seconded that it be recommended that Cowichan Valley Regional District Bylaw No. 3319 –Lambourn Estates Water System Management Amendment Bylaw, 2009, amending Schedule B – Metered Water Rates and Charges, be forwarded to the Board for consideration of three readings and adoption.

**MOTION CARRIED**

R6

A staff report providing Brulette Place Sewer System Service Establishment and Loan Authorization Bylaws was considered.

It was moved and seconded that it be recommended to the Board:

1. That the *Certificate of Sufficiency*, confirming that sufficient petitions requesting establishment of a Sewer System Service Area and authorizing the borrowing of up to \$265,000.00, be received.
2. That Service Establishment and Loan Authorization bylaws be prepared and forwarded to the Board for consideration of three readings, and following provincial approval, adoption.
3. That, following adoption of the service establishment and loan authorization bylaws, a Capital Reserve Fund Establishment Bylaw and a Parcel Tax Roll Bylaw be prepared for the Brulette Place Sewer System and further that these bylaws forwarded to the Board for consideration of three readings and adoption.

**MOTION CARRIED**

R7

A staff report requesting direction on regulation of backyard burning issues within CVRD electoral areas was considered.

Discussion took place regarding phasing in regulations surrounding backyard burning, parcel sizes, the issue of enforcement, and toxic waste being burned in backyard burning barrels.

It was moved and seconded that a backyard burning regulation bylaw be prepared, which would apply to all small hand-piled fires; not regulated under CVRD Bylaw No. 2020 – Landclearing Management Regulation Bylaw, 2009; and further would incorporate a phased in approach, and regulate the following:

1. Fire size
2. Permissible property size
3. Burn season window
4. Materials burned
5. Method of burning

and further that this direction be presented to local Fire Chiefs at their September 2009 meeting.

**MOTION CARRIED**

Director Haywood asked that his opposition be noted in the minutes.

**NEW BUSINESS**

**NB1**

A staff report was considered regarding an expansion to the Kerry Village Water System service area.

It was moved and seconded that it be recommended to the Board:

1. That the *Certificate of Sufficiency*, confirming that sufficient petitions requesting inclusion into the Kerry Village Water System Service Area be received.
2. That the boundaries of the Kerry Village Water System area be amended to include "Lot 1, Section 1, Range 8, Shawnigan District, Plan VIP79958".
3. That "CVRD Bylaw No. 2491 – Kerry Village Water System Service Establishment Bylaw, 2004", be further amended to include Lot 1, and be forwarded to the Board for consideration of three readings and adoption.

**MOTION CARRIED**

**NB2**

A staff report was considered regarding an expansion to the Kerry Village Sewer System service area.

It was moved and seconded that it be recommended to the Board:

1. That the *Certificate of Sufficiency*, confirming that sufficient petitions requesting inclusion into the Kerry Village Sewer System Service Area be received.
2. That the boundaries of the Kerry Village Sewer System area be amended to include "Lot 1, Section 1, Range 8, Shawnigan District, Plan VIP79958".
3. That "CVRD Bylaw No. 2489 – Kerry Village Sewer System Service Establishment Bylaw, 2004", be further amended to include Lot 1, and be forwarded to the Board for consideration of three readings and adoption.

**MOTION CARRIED**

**NB3**

Staff were asked to look into government regulations regarding the issue of geothermal units being set up in waters off of Mill Bay and surrounding areas.

**RESOLVE INTO  
IN CAMERA  
4:35 p.m.**

It was moved and seconded that the meeting be closed to the public in accordance with the Community Charter, Part 4, Division 3, Sections 90 (1) (j).

**MOTION CARRIED**

RISE FROM  
IN CAMERA  
4:44 p.m.

It was moved and seconded that the Committee rise without report.

**MOTION CARRIED**

**ADJOURNMENT**

It was moved and seconded that the meeting be adjourned.

**MOTION CARRIED**

The meeting adjourned at 4:45 pm

\_\_\_\_\_  
Chair

\_\_\_\_\_  
Recording Secretary

Dated: \_\_\_\_\_



C·V·R·D

**R1**

## STAFF REPORT

### ENGINEERING & ENVIRONMENTAL SERVICES COMMITTEE MEETING OF SEPTEMBER 23, 2009

**DATE:** August 31, 2009 **FILE NO:** 2020

**FROM:** Harmony Huffman, Environmental Technologist

**SUBJECT:** Bylaw No. 3322 - Amending Bylaw to Bylaw No. 2020 – Landclearing Management Regulation Bylaw.

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**Recommendation:** That Cowichan Valley Regional District Bylaw No. 3322 - Landclearing Management Regulation Amendment Bylaw, 2009 be forwarded to the Board for consideration of three readings and adoption.

**Purpose:** To update CVRD Bylaw No. 2020 - Landclearing Management Regulation Bylaw, 2009.

**Financial Implications:** not applicable

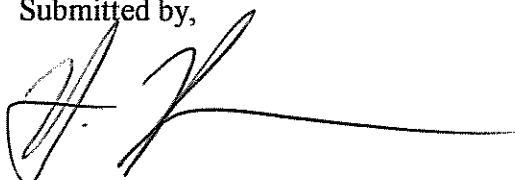
**Interdepartmental/Agency Implications:** not applicable

**Background:** CVRD Bylaw No. 2020 – Landclearing Management Regulation Bylaw was adopted by the Board on 12 August 2009.

**Discussion:** CVRD Bylaw No. 2020 requires two minor updates of a housekeeping nature. The first change corrects Section 3 - *Application* of the Bylaw by adding Electoral Area G to the list of applicable areas. The Thetis Island Improvement District remains exempt from the Bylaw.

The second change updates the definition of ***Fire Chief*** to include “their authorized designate”, thereby authorizing fire department members acting as incident commanders to act under this Bylaw.

Submitted by,



Harmony Huffman  
Environmental Technologist

Approved by:



Brian Demison, General Manager,  
Engineering and Environmental Services

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## COWICHAN VALLEY REGIONAL DISTRICT

### BYLAW NO. 3322

#### A Bylaw to Amend Bylaw No. 2020 Landclearing Management Regulation Bylaw.

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**WHEREAS** the Board of Directors of the Cowichan Valley Regional District established the regulation of landclearing debris pursuant to Bylaw No. 2020, cited as "CVRD Bylaw No. 2020 – Landclearing Management Regulation Bylaw, 2009";

**AND WHEREAS** the Board deems it desirable and expedient to update the definition and application sections of Bylaw 2020;

**NOW THEREFORE** the Board of Directors of the Cowichan Valley Regional District, in open meeting assembled, enacts as follows:

#### 1. CITATION

This Bylaw may be cited for all purposes as "**CVRD Bylaw No. 3322 – Landclearing Management Regulation Amendment Bylaw, 2009**".

#### 2. AMENDMENT

- a) That under SECTION 2 – DEFINITIONS, the definition for "***Fire Chief***" be deleted in its entirety and replaced with the following:

**"Fire Chief"** means the highest ranking person in charge of the fire department in the jurisdiction where the ***Open Burning*** is occurring, or their authorized designate;

- b) That under SECTION 3 – APPLICATION, Item 3.1 be deleted in its entirety and replaced with the following:

- 1) This bylaw applies to the Cowichan Valley Regional District Electoral Areas: A - Mill Bay/Malahat; B - Shawnigan Lake; C - Cobble Hill; D - Cowichan Bay; E - Cowichan Station/Sahtlam/Glenora; F - Cowichan Lake South-Skutz Falls; G - Saltair/Gulf Islands; H - North Oyster Diamond and I - Youbou/Meade Creek; except - that part of Electoral Area G located within the boundaries of the Thetis Island Improvement District.

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READ A FIRST TIME this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

READ A SECOND TIME this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

READ A THIRD TIME this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

ADOPTED this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Chairperson

\_\_\_\_\_  
Corporate Secretary

**R2**

**ENGINEERING & ENVIRONMENTAL SERVICES COMMITTEE MEETING  
OF SEPTEMBER 23, 2009**

**DATE:** 15 September 2009 **FILE NO:** Bylaw 2020  
**FROM:** Kathleen Milward, Environmental Technologist  
**SUBJECT:** CVRD Bylaw No. 2020 – Landclearing Management Regulation Bylaw, 2009  
Public Education Strategy

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**Recommendation:** For information purposes only.

**Purpose:** To provide the Committee with a report on the public education strategy for Bylaw No. 2020.

**Financial Implications:** Not applicable

**Interdepartmental/Agency Implications:** Recycling and Solid Waste Management staff will liaise with enforcement officials, and Development Services staff, to ensure that property developers and target audiences are fully informed of the newly implemented open burning regulations.

**Background:** Open burning has traditionally been the main method employed to manage landclearing debris in the Cowichan Valley. The recent introduction of Bylaw No. 2020 marks a significant departure from historical landclearing management practices, by requiring that all landclearing debris that is machine-piled, or of a Category 3 size, be chipped, reused onsite, or burned only in an air curtain burner. As this Bylaw represents such a shift in management practises, and because only a limited number of air curtain burners currently exist in the Valley, an effective public education strategy will be a key part of ensuring compliance with the newly introduced Bylaw No. 2020.

**Discussion:** An important part of this campaign will be to reach the segments of the local population that typically engage in open burning. However, expanding upon the target audience to also include the broader population will contribute to higher levels of awareness regarding open burning. This knowledge base will coordinate nicely with possible future backyard burning regulations.

This campaign will be implemented immediately with full enforcement beginning in January. Although it will continue to be developed over the coming months, vital elements will include:

**1. Literature:**

- **Formal Letter Mail-Out** to stakeholders/concerned parties advising of regulation change (Developers, Landclearing Companies: Excavators/Contractors, AC Burner Owners, Grinder Owners, Account holders at Bings, Fire Chiefs). This informative letter will kick start the education campaign by ensuring that those directly affected are apprised of the changes.

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- **Educational Brochure** succinctly summarizing the "Landclearing Burning Ban Now in Effect for CVRD Electoral Areas." This brochure will also briefly touch on the reasons for the implementation of these measures, in addition to the various alternatives that can be employed. It will be attached to relevant CVRD documents such as development permits and subdivision applications; be on display in several CVRD departments (such as Engineering and Environment and Protective Services) and regional recreation centers; be promoted and distributed at local environmental fairs/ forums; and be distributed to other municipalities for information purposes.
- **Informational Poster** outlining the new Bylaw 2020 open burning regulations. Poster to be developed and distributed to local community groups and other interested parties.

## 2. Media:

- **Local TV** (Shaw Cable) will be contacted by CVRD Engineering and Environment staff regarding Bylaw 2020, to get the message out regarding the landclearing burning ban for CVRD electoral areas.
- **Radio Jingles** to be developed for play on SunFM regarding open burning for upcoming fall burn season, alerting public of change in regulation.
- **Newspaper Advertisement** in the form of an informational bulletin stating the regulation change.

## 3. Website:

- **Newsflash** to be posted on CVRD Engineering and Environment section regarding the ban on open burning and outlining the new regulations. The CVRD website will be a valuable tool for spreading the message without incurring associated advertising costs.
- **Bylaw No. 2020** posted on website in regulations section.
- **Downloadable Education Pieces** such as the aforementioned brochure and poster available for printing for public use/ education; the intent being that residents will be able to use these materials to inform neighbours of the harmful effects of open burning, and new regulations affecting open burning.

Such mass marketing will hopefully provide a broader knowledge base for the general public, and also render possible future air pollution regulation changes, such as the banning of backyard burning, easier to digest. Increased awareness of the CVRD approach to landclearing debris management may also encourage consistency in future regulation amongst local governments.

Submitted by,

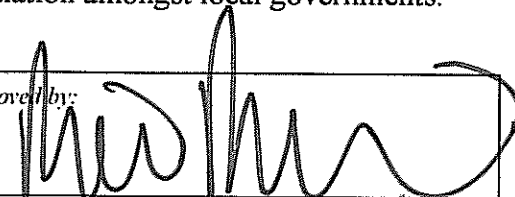


Kathleen Milward  
Environmental Technologist

KMi:jlb

Bath: Z:\ES\Memos2009\2020 PubEd- Sep23-09 (2).docx

Approved by:



Brian Demison, General Manager, E&E Services

**R3****STAFF REPORT****ENGINEERING AND ENVIRONMENTAL SERVICES COMMITTEE MEETING  
OF SEPTEMBER 23, 2009****DATE:** September 16, 2009**FILE NO:** 5340-30-CBS/01**FROM:** Dave Leitch, ASCT., Water Management Division**SUBJECT:** Cowichan Bay Sewer service break

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**Recommendation:** For information purposes only.**Purpose:**

To provide the Committee with an information report on the sewer service break in Cowichan Bay, as referred from the Electoral Area Services Committee.

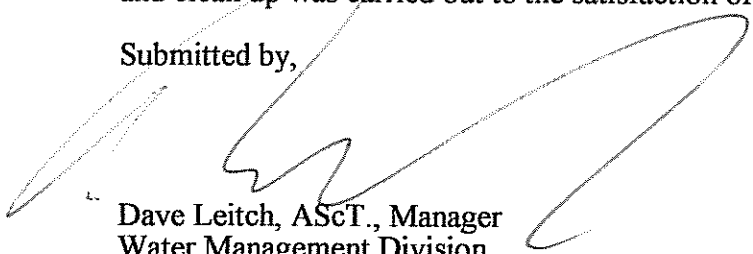
**Financial Implications:** not applicable**Interdepartmental/Agency Implications:** not applicable**Background:**

On August 24, 2009, Engineering and Environmental Services received a call from a resident that there was a water line break at 2190 Cowichan Bay Road. Within the hour, the CVRD Utilities crew were on site and had determined it was a sewer service break from a house under construction. As the line going from the Cowichan Bay pump station to the JUB lagoons is a forcemain, a portion of the sewage from that line was coming out of the broken service into the ditch and out into the Cowichan Bay Estuary. The Utilities crew immediately shut down the pump station, called a septic hauler to start pumping the sewage out of the ditch and proceeded to repair the broken service. It is estimated that approximately 25,000 gallons of sewage drained into the estuary by the time the call was received by the CVRD to when the septic hauler arrived on site. and began pumping.

It is unclear as to the fault that led to the failure of the system. When the forcemain was installed, all the frontage homes along Cowichan Bay Road were pre serviced with a connection to the property line. The break could have been a result of inferior pipe material, a poorly installed connection or over torching the mechanical connection when the home owner's contractor connected the home to the pre-serviced stub. Pipe and service line failures such as these happen from time to time and are sometimes unavoidable.

The Provincial Emergency Program was notified as soon as we were aware of the sewer break and clean up was carried out to the satisfaction of all regulatory agencies involved.

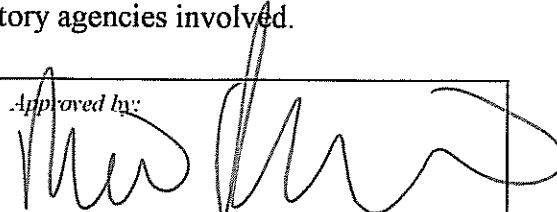
Submitted by,



Dave Leitch, ASCT., Manager  
Water Management Division

DL:jlb

Approved by:



Brian Demison, General Manager  
Engineering and Environmental Services



## STAFF REPORT

**R4**

### ENGINEERING & ENVIRONMENTAL SERVICES COMMITTEE MEETING OF SEPTEMBER 23, 2009

**DATE:** September 16, 2009 CEEMP  
**FROM:** Brian Dennison, P. Eng., General Manager, Engineering & Environment  
**SUBJECT:** CVRD membership on Cowichan Estuary Environmental Management Plan Committee (CEEMP)

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**Recommendation:** That Kate Miller, Manager of Regional Environmental Policy, be named to the Cowichan Estuary Environmental Management Plan as a CVRD representative.

**Purpose:** Local area directors and the Ministry of Environment have requested that the CVRD take a more active role in the CEEMP. They have also requested that the CVRD Environmental Policy Manager be named to the committee as an added member, given its environmental focus.

**Financial Implications:** None noted at this time; however if the CVRD is to take on a more active role in the CEEMP portfolio, it will require additional meeting, communications and secretariat funding, for approximately 4 meetings a year.

**Interdepartmental/Agency Implications:** The inclusion of the Environmental Policy Division on the committee will increase interdepartmental/agency communications.

**Legal implications:** The role of the committee is to provide referral feedback to the provincial government.

**Background:**

The Cowichan Estuary Management Plan was put in place by a Provincial Order in Council in 1977. That order requires that every proposed project in the designated area be subject to an environmental impact assessment. This process is carried out under the delegated auspices of the Deputy Minister of Environment. The CEEMP administers the review process and coordinates the on-going implementation of the Environmental Management Plan.

The Ministry of Environment delegate acts as the permanent chair of the committee which is comprised of representatives from North Cowichan, Cowichan Tribes, Department of Fisheries and Oceans, and the CVRD. Currently Mike Tippet, Manager, Community and Regional Planning, represent the CVRD's planning and development interests at the committee.

Submitted by,

Brian Dennison, P. Eng., General Manager,  
Engineering & Environment

Approved by:

NOT REQUIRED

Brian Dennison, General Manager,  
Engineering and Environmental Services



## STAFF REPORT

**R5**

### ENGINEERING & ENVIRONMENTAL SERVICES COMMITTEE MEETING OF SEPTEMBER 23, 2009

**DATE:** September 14, 2009

**FILE NO:** 1150-01-ES

**FROM:** Brian Dennison, P. Eng., General Manager, Engineering & Environment

**SUBJECT:** Short-term Borrowing – Budget 575

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**Recommendation:** That the Board authorize the purchase of office dividers from Remco Systems Ltd., which entails borrowing a maximum of \$22,000 through short-term borrowing to be paid back within 5-years under the Liabilities Agreement, Section 175 of the Community Charter, and further that the 2009 Engineering and Environmental Services Control Budget 575 be amended accordingly.

**Purpose:** To consider short-term borrowing for purchase of office partitions in the Engineering and Environmental Services Department.

**Financial Implications:** Estimated annual debt retirement costs of \$4,800 will be shared by all functions under the responsibility of the Engineering and Environmental Services Department.

**Interdepartmental/Agency Implications:** Budget amendment to be undertaken by Financial Services.

**Background:**

Due to addition of staff in the Engineering and Environmental Services Department through 2009, the present office configuration needs to be re-organized to allow for this growth. The purchase of dividers to enable the addition of two office cubicles and three fully enclosed office spaces for division managers is required. For the purpose of consistency within the building, it is policy that the dividers be purchased sole source from Remco Systems Ltd.

The total cost is approximately \$45,000, of which \$23,000 is already provided for in the capital portion of the 575 budget and the remainder was not budgeted for.

Submitted by,

Brian Dennison, P. Eng., General Manager  
Engineering & Environment Services

Approved by:

NOT REQUIRED

Brian Dennison, General Manager  
Engineering and Environmental Services

**R6****STAFF REPORT****ENGINEERING AND ENVIRONMENTAL SERVICES COMMITTEE MEETING  
OF SEPTEMBER 23, 2009**

**DATE:** September 15, 2009 **FILE NO:** 2009 Budget

**FROM:** Dave Leitch, ASCT, Division Manager, Water Management

**SUBJECT:** Mid-Year Budget Status Report

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**Recommendation:** This report is submitted for information purposes only.

**Purpose:**

To provide the Committee with an interim report as of July 31 on the status of the Water Management Division budget which fall under the direct responsibility of the Engineering and Environment Department.

**Financial Implications:** Financial update only

**Interdepartmental/Agency Implications:** None

**Background:**

Commitments were made earlier this year to bring interim reports to the various committees or commissions outlining the current status of the Departmental budgets. The following is a brief outline of key aspects of the following Water Management Division budgets.

**Satellite Park Water**

General operating expenditures are in line with where they should be at this time of year. Capital upgrades to the water system are underway and at this point tendered construction costs are in line with our budget estimates. The upgrades are funded through a combination of grant funding, \$380,000.00, service area borrowing, \$160,000.00, reserve funds and operating revenue.

**Lambourn Water, Sewer and Drainage**

General operating expenditures are higher than anticipated in 2009 because of the poor infrastructure condition and the need to repair and replace pumps, communications and electrical equipment. It is anticipated that these extra expenditures may lead to deficits in the water and sewer system budgets. Capital upgrades to the water and sewer systems are underway. The upgrades are funded through a combination of grant funding, \$500,000.00 service area borrowing, \$250,000.00 and multi partner developer contributions, approximately \$850,000.00.

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Arbutus Mountain Water, Sewer, Drainage and Street lighting

General operating expenditures are in line with where they should be at this time of year. There are capital works modifications planned for the sewage treatment plant in 2009/2010. These modifications will be 100% funded by the developer through a \$200,000.00 cash holdback held by the CVRD.

Fern Ridge Water

General operating expenditures are in line with where they should be at this time of year. There are no major capital works or expenditures in the system this year.

Woodland Shores Water, Sewer and Drainage

This new development is nearing the point of construction completion and transfer to the CVRD. As part of the transfer of assets the CVRD will be collecting operating and reserve funds from the developer. At this point we have not incurred any operating expenses.

Mesachie Lake Water and Sewer

General operating expenditures are in line with where they should be at this time of year. Capital upgrades to the water treatment building have been completed this year within the budgeted amount of \$20,000.00 which came from reserve funds. A request from the Vancouver Island Health Authority has been made that the CVRD prepare a well protection plan for the water system before the end of the year. This will require a transfer from reserve of \$15,000.00 to fund this work in 2009.

Capital upgrades to the sewer system have not begun as we continue to wait for notice on a provincial grant to help fund this upgrades. This system continues to hold gas tax funding of \$352,000.00 towards the costs of the upgrades.

Saltair Water

General operating expenditures are in line with where they should be at this time of year. There are no major capital works or expenditures in this system this year as we are awaiting notice on a provincial grant application that was submitted earlier this year. The system continues to hold approximately \$140,000.00 in gas tax funds for the construction of a new reservoir.

Youbou Water and Sewer

General operating expenditures are in line with where they should be at this time of year. There are no major capital works or expenditures in the system this year.

Honeymoon Bay Water

General operating expenditures are in line with where they should be at this time of year. Capital upgrades to the water system have been completed within the budgeted amount. The upgrades were funded through a combination of grant funding, \$430,000.00, transfer from reserve, \$109,000.00, short term borrowing and operating surplus, 128,000.00. Through a combination of remaining grant funding and approved borrowing authority, there remains approximately \$100,000.00 for extending the water main to Sutton Creek.

Cherry Point Water

General operating expenditures are in line with where they should be at this time of year. Capital upgrades to the water treatment building have been completed this year within the budgeted amount of \$5,000.00 which was funded through reserve funds.

Shawnigan Lake Water and Sewer

General operating expenditures are in line with where they should be at this time of year. Capital upgrades to the sewage treatment building have been completed this year within the budgeted amount which was funded through a combination of grant funding and reserve funds. Capital improvements to the Decca Rd. water treatment building to purchase a back up pump and upgrade the controls system are planned for this year. These works, approximately \$50,000.00, will be funded through operating revenue.

Kerry Village Water and Sewer

General operating expenditures are in line with where they should be at this time of year. Capital upgrades to construct a new sewage treatment plant, disposal field and upgrade the water treatment building are planned to begin in the fall of 2009. Kerry Village has received a Towns for Tomorrow grant in the amount of \$400,000.00 which will make up 80% of the service areas contribution to the project.

Cowichan Bay Sewer and Drainage

General operating expenditures are in line with where they should be at this time of year. Capital upgrades to remediate inflow and infiltration problems on the sewer lines and direct flow from the heavily loaded sewermain along Cowichan Bay Road are planned for this year. The total amount available for these upgrades in 2009 is \$100,000.00 which will be funded from a combination of reserve funds and operating revenue and charges to a developer.

Eagle Heights Sewer

General operating expenditures are in line with where they should be at this time of year. Capital upgrades to the Christopher Road. pump station and modifications to an air relief valve within the DNC well field are planned for the fall of 2009. The total amount available for these upgrades in 2009 is \$50,000.00 which will be funded from reserve funds.

Cobble Hill Sewer

General operating expenditures are in line with where they should be at this time of year. Capital upgrades to the sewage treatment plant are ongoing and are expected to be completed within the budgeted amount by the end of 2009. The total amount available for these upgrades is \$75,000.00 which will be funded from a combination of grant funding, \$50,000.00 and borrowing \$25,000.00.

Sentinel Ridge Sewer, Drainage and Street lighting

General operating expenditures are in line with where they should be at this time of year. There are capital works upgrades planned for the sewage treatment plant in 2009/2010. These upgrades will be 100% funded by the developer as required for the phase 2 development of the Sentinel Ridge subdivision.

Twin Cedars Sewer, Drainage and Street lighting

General operating expenditures are in line with where they should be at this time of year. There are no major capital works or expenditures in the system this year.

Maple Hills Sewer

General operating expenditures are in line with where they should be at this time of year. There were emergency capital works completed in the winter/spring of 2009 due to a major failure in the treatment plant. Costs for these repairs were approximately \$140,000.00 but were covered by our insurance carrier. The insurance deductible is \$2,000.00 and will be paid through our operating revenue.

Submitted by,

Dave Leitch, ASCT., Manager  
Water Management Division  
Engineering & Environment Services

DL:jlb

Approved:

Brian W.D. Demison, P. Eng., Manager,  
Engineering and Environmental Services

**R7****STAFF REPORT****ENGINEERING AND ENVIRONMENTAL SERVICES COMMITTEE MEETING  
OF SEPTEMBER 23, 2009**

**DATE:** September 15, 2009 **FILE NO:** 2009 Budget  
**FROM:** Bob McDonald, Division Manager, Recycling & Waste Management  
**SUBJECT:** Mid-Year Budget Status Report

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**Recommendation:** This report is submitted for information purposes only.

**Purpose:** To provide the Committee with an interim report as of July 31st on the status of the Recycling & Waste Management Division budgets which fall under the direct responsibility of the Engineering and Environmental Services Department.

**Financial Implications:** Financial update only

**Interdepartmental/Agency Implications:** None

**Background:** Commitments were made earlier this year to bring interim reports to the various committees or commissions outlining the current status of the Departmental budgets. The following is a brief outline of key aspects of the following Recycling & Waste Management Division budgets:

**Budget 520 – Regional budget covering all solid waste management aside from curbside**

This is a large budget (i.e. \$8.8 million) and, while there are very minor fluctuations within the budget, all general operating revenues and expenditures are in line with where they should be at this time of year. The most significant fluctuation occurs with Capital Expenditures and the associated Grant Revenue (from Gas Tax funding). These areas are both well below forecast as several projects are not yet underway e.g. South End Depot, Peerless Rd. redesign, etc.

**Budget 515 – Electoral Area utility budget**

General operating expenditures are slightly lower (10-15%) than forecast in 2009 due to the general downturn in the economy in 2009. As the amount of garbage (and associated disposal cost) is estimated during the budget cycle and utility rates are then fixed, receiving less garbage throughout the year results in a small surplus that will be directed to an expanded curbside program (and costs) in 2010.

Submitted by,

Bob McDonald, Manager  
Recycling & Waste Management Division

Approved:

Brian W.D. Dennison, P. Eng., Manager,  
Engineering and Environmental Services



## STAFF REPORT

# R8

### ENGINEERING AND ENVIRONMENTAL SERVICES COMMITTEE MEETING OF SEPTEMBER 23, 2009

**DATE:** September 17, 2009

**FILE NO:** MLW Bylaws

**FROM:** Dave Leitch, AScT., Manager, Utilities

**SUBJECT:** Mesachie Lake Water Reserve Fund Bylaw.

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**Recommendation:**

That it be recommended to the Board that a reserve bylaw be prepared for withdrawal of funds not exceeding \$15,000.00 from the Mesachie Lake Water System capital reserve fund to help finance a Well Protection Plan, and further that the bylaw be forwarded to the Board for consideration of three readings and adoption.

**Purpose:** To consider withdrawal of funds from the above noted Capital Reserve Fund.

**Financial Implications:** as discussed.

**Interdepartmental/Agency Implications:** Bylaw preparation by Administrative Services staff.

**Background:**

As part of the 2009 approved budget, money from the Mesachie Lake Water System budget was identified to be withdrawn from the capital reserve fund to assist in paying for the capital cost of proceeding with a Well Protection Plan, as mandated by the Vancouver Island Health Authority. Without the contribution of reserve funds, there is insufficient money in the operating budget to complete this capital project.

Submitted by,

for :

Dave Leitch, AScT., Manager  
Water Management Division  
Engineering and Environmental Services

Approved by:

Brian Dennison, General Manager,  
Engineering and Environmental Services

DL:jlh

Bath: Z:\ESMemos\2009\MLWRerveFunds-Sep2309.doc

September 16, 2009

File No.

0410-20-MOE

Doug Konkin, Deputy Minister  
Ministry of Environment  
PO Box 9339 STN PROV GOVT  
VICTORIA BC V8W 9M1

Dear Mr. Konkin:

**RE: Banning International Export of MSW**

The Cowichan Valley Regional District (CVRD) is respectfully submitting for your consideration the following information regarding the proposed legislation to ban the international export of Municipal Solid Waste (MSW), as referenced in the Provincial Throne Speech delivered August 25, 2009.

While the intent of the regulation, to "act to outlaw the international export of British Columbia's garbage and landfill waste", is laudable, incorporating language in the legislation that respects the desire of taxpayers, public planning processes, current realities of waste management in the province and business interests of Canada's largest trading partner, would only make such legislation stronger. It is for these reasons that we respectfully suggest that proposed legislation be drafted in a manner that incorporates the following:

1. Banning the international export of bulk MSW;
2. Defining bulk MSW as more than 15% of any one jurisdiction's annual MSW volume (or up to 100,000 tonnes annually); and
3. Allowing a phased-in approach, for example grandfathering of existing contracts within a five-year exemption period.

These allowances would do the following:

- Allows for exemption for those jurisdictions that cannot justify their own MSW disposal facility, due to the economies of scale involved (the CVRD and the Municipality of Whistler each generate less than 30,000 tonnes annually);
- Support the search for 'closer to home' alternatives to Cache Creek. The CVRD Solid Waste Management Plan (SWMP) allows us to export while researching other options. Once our current export contract with Rabanco (based in Washington State) expires at the end of 2011, we may need to do annual renewals until a more long-term solution is found. One option involves a joint feasibility study underway with the Capital Regional District, the Regional District of Nanaimo and ourselves for a waste to energy facility managing both MSW and biosolids. Forcing the CVRD to enter into a multi-year contract beginning in 2012 with the operators of Cache Creek could undermine these types of initiatives;

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- Allow Metro Vancouver to temporarily direct a small portion of MSW, (i.e. their existing 'overflow' tonnage - 100,000 of 650,000 annual tonnes), that cannot currently be managed by Cache Creek, to an alternative disposal facility. This would also extend the life of the Cache Creek Annex;
- Maintain a somewhat competitive marketplace by not eliminating the only current large-scale alternative (waste export) to the only provincially approved facility of its nature in BC (Cache Creek). Therefore the private sector interests operating the Cache Creek Landfill, would not have a true monopoly;
- Saves taxpayers money, i.e. it is less costly for the CVRD to direct its waste south, than it is to truck it to Cache Creek –this is based on the CVRD being the backhaul for woodchips coming to the Island;
- Reduces Green House Gas emissions as barging and rail export produce fewer emissions than trucking to Cache Creek;
- Honours the existing waste export contracts for a business 'commodity' that were negotiated in good faith, and;
- Gives regional districts long-term ability to consult on and amend their SWMPs according to existing Provincial legislation.

As a provincial leader in waste reduction, with an aggressive diversion program, the CVRD would welcome the opportunity to further discuss and/or clarify any of these points of consideration. Thank you for accepting our input on this issue.

Sincerely,

Warren Jones, Administrator  
CVRD

BMcD:ll

pc: Bob McDonald, Manager, Recycling & Waste Management  
Al Leuschen, Senior Environmental Protection Officer - MOE  
Paul Remilard, Metro Vancouver  
Francis Ladray, Powell River Regional District  
Mike Hofer, Fraser Valley Regional District  
James Hallisey, Resort Municipality of Whistler  
Cindy Burton, Partners Group

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