



## ENGINEERING & ENVIRONMENTAL SERVICES COMMITTEE

WEDNESDAY, NOVEMBER 24, 2010 - 3:30 P.M.  
CVRD BOARDROOM, 175 INGRAM STREET

---

### AGENDA

	<u>PAGES</u>
1. <b><u>APPROVAL OF AGENDA:</u></b>	i – ii
2. <b><u>ADOPTION OF MINUTES:</u></b>	
M1 Minutes of the October 27, 2010 Engineering & Environmental Services Committee meeting.	1 – 3
3. <b><u>BUSINESS ARISING FROM THE MINUTES:</u></b>	
4. <b><u>DELEGATIONS:</u></b> No delegations	
5. <b><u>REPORTS</u></b>	
R1 Douglas Hill Water System Service Area Amendment Bylaw to include 4 additional properties.	4 – 7
R2 Sylvania Improvement District Water System – Engineering Assessment	8 – 9
R3 Gas Tax amendment Funding - Satellite Park Water System.	10 – 11
R4 Recycling Depot Contract Extensions	12 – 13
R5 New Critical Streetlight Location – Electoral Area F.	14 – 16
R6 Provincial Infrastructure Planning Grant Application – Arbutus Ridge Sewer Effluent Reuse for irrigation purposes.	17
R7 Provincial Infrastructure Planning Grant Application – Mill Springs Sewer System.	18
6. <b><u>NEW BUSINESS:</u></b>	
7. <b><u>CLOSED SESSION</u></b> – No closed session items.	

---

8. **NEXT MEETING:** January 2011

9. **ADJOURNMENT:**

---

**Distribution:**

Director Cossey, Chair  
Director Kuhn, Vice-Chair  
Director Dorey  
Director Duncan  
Director Giles  
Director Harrison  
Director Haywood  
Director Iannidinardo  
Director Kent  
Director Marcotte  
Director Morrison

**As Well As:**

Warren Jones, CAO  
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, Manager, Corporate Services

**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://cvrld.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 October 27, 2010 at 4:30 p.m.

**PRESENT:** Director Cossey, Chair  
Directors Dorey, Duncan, Giles, Harrison, Hartmann  
(4:25 pm), Haywood, Iannidinardo, Kuhn, Marcotte,  
Morrison

**ABSENT:** Director Kent

**ALSO** W. Jones, CAO, CVRD

**PRESENT:** B. Dennison, P. Eng., General Manager, E & E  
D. Leitch, AScT., Manager, Water Management  
B. McDonald, Manager, Recycling & Waste Management  
J. Bath, Recording Secretary

## **APPROVAL OF AGENDA**

Staff added one new business item under Closed Session in accordance with the Community Charter, Part 4, Division 3, Section 90 {(1)(g)}.

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

**MOTION CARRIED**

## **ADOPTION OF MINUTES**

Director Morrison noted two minor spelling corrections.

It was moved and seconded that the minutes of the September 22, 2010 regular Engineering & Environmental Services Committee meeting be approved as amended.

**MOTION CARRIED**

## **BUSINESS ARISING OUT OF MINUTES**

### **BA1**

Director Dorey asked if any progress had been made regarding setting up a meeting with Thetis Island residents regarding their recycling program.

The General Manager advised he was not aware that staff had arranged a meeting at this time.

## **DELEGATIONS**

There were no delegations.

## **REPORTS**

### **R1**

A staff report was considered regarding expansion of the Shawnigan Lake North Water System service area boundaries to include one additional property.

It was moved and seconded:

1. That the *Certificate of Sufficiency*, confirming that a sufficient petition, requesting inclusion into the Shawnigan Lake North Water System Service Area, be received.
2. That the boundaries of the Shawnigan Lake North Water System Service Area be amended to include "*PID 009-255-516, Part of Lot 4, Block 31, Shawnigan Lake Suburban Lots, Shawnigan District, Plan 218A, Lying to the South of a straight boundary joining points on the easterly and westerly boundaries of said lot distant 2.5 chains respectively from the north east and south west corners of said lot.*"
3. That "CVRD Bylaw No. 1911 – Shawnigan Lake North Water System Service Establishment Bylaw, 1999", be amended to include *PID 009-255-516, Part of Lot 4, Block 31, Shawnigan Lake Suburban Lots, Shawnigan District, Plan 218A, Lying to the South of a straight boundary joining points on the easterly and westerly boundaries of said lot distant 2.5 chains respectively from the north east and south west corners of said lot.*, and that the amended bylaw be forwarded to the Board for consideration of three readings and adoption.

MOTION CARRIED

R2

A staff report was considered regarding expansion of the Sentinel Ridge Sewer System service area boundaries to include three additional properties.

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 be amended to include "*PID 009-346-511 Parcel C (DD43694I) D.L. 77, Malahat District, PID 009-346-520 Parcel D (DD33154I), D.L. 77, Malahat District and PID 009-346-554 That part of D.L. 77, Lying to the south of the south boundaries of Parcel C & D of said lot and except those parts in plans 518W, 50504 & VIP86315, Malahat District*".
3. That "CVRD Bylaw No. 2790 – Sentinel Ridge Sewer System Establishment Bylaw, 2006", be amended to include *PID 009-346-511 Parcel C (DD43694I) D.L. 77, Malahat District, PID 009-346-520 Parcel D (DD33154I), D.L. 77, Malahat District and PID 009-346-554 That part of D.L. 77, Lying to the south of the south boundaries of Parcel C & D of said lot and except those parts in plans 518W, 50504 & VIP86315, Malahat District*", and that the amended bylaw be forwarded to the Board for consideration of three readings and adoption.

MOTION CARRIED

**R3**

A staff report was considered regarding rescinding Board Resolution No. 10-524.

**That it be recommended to the Board:**

- 1. That CVRD Board Resolution No. 10-524 be rescinded.**
- 2. That a bylaw be prepared to amend "CVRD Bylaw No. 2193 – Electoral Area I – Youbou Street Lighting Service Establishment Bylaw, 2001, to increase the maximum requisition to \$21,800, and that the amendment bylaw be forwarded to the Board for consideration of three readings and adoption.**

**MOTION CARRIED**

**NEW BUSINESS**

There was no new business.

**RESOLVE INTO  
IN CAMERA  
5:00 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) (g).**

**MOTION CARRIED**

**RISE FROM  
IN CAMERA  
5:11 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 5:11 pm

\_\_\_\_\_  
Chair

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

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



## STAFF REPORT

# R1

### ENGINEERING & ENVIRONMENTAL SERVICES COMMITTEE MEETING OF NOVEMBER 24, 2010

DATE: November 10, 2010 FILE NO: 5600-30-DHW/01  
FROM: Gord Bonekamp, Senior Engineering Technologist  
SUBJECT: Douglas Hill Water Service Establishment Amendment Bylaw. Electoral Area C & D.

---

#### **Recommendation:**

That it be recommended to the Board:

1. That the *Certificates of Sufficiency*, confirming that sufficient petitions requesting inclusion into the Douglas Hill Water System Service Areas be received.
2. That the boundaries of the Douglas Hill Water System service area be extended to include:  
    *"PID 004-065-549, Lot 1, Section 2, Range 6, Cowichan Land District, Plan 16800"*  
    *"PID 002-657-121, Lot 3, Sections 18&19, Range 6, Cowichan Land District, Plan 25720"*  
    *"PID 002-249-839, Lot 1, Sections 18&19, Range 6, Cowichan Land District, Plan 25720"*  
    *"PID000-044-156, Lot 1, Section 20, Range 6, Cowichan Land District, Plan 39846"*
3. That "CVRD Bylaw No. 3382 – Douglas Hill Water System Service Establishment Bylaw, 2010", be amended to include:  
    *"PID 004-065-549, Lot 1, Section 2, Range 6, Cowichan Land District, Plan 16800"*  
    *"PID 002-657-121, Lot 3, Sections 18&19, Range 6, Cowichan Land District, Plan 25720"*  
    *"PID 002-249-839, Lot 1, Sections 18&19, Range 6, Cowichan Land District, Plan 25720"*  
    *"PID000-044-156, Lot 1, Section 20, Range 6, Cowichan Land District, Plan 39846"*, and  
    that the amendment bylaw be forwarded to the CVRD Board for three readings and adoption.

**Purpose:** To obtain approval to proceed with the extension to the boundaries of the Douglas Hill Water System Service Areas to include four additional properties.

**Financial Implications:** New users brought into the service area will generate user fees, which will reduce overall charges to the existing customers. The property owners are responsible for all construction costs.

**Interdepartmental/Agency Implications:** The amendment bylaws would require the approval of the service area voters before it can be adopted. In cases where a sufficient petition for services has been received, voter approval may be obtained by the Electoral Area Director consenting, in writing, to the adoption of the Bylaw. Engineering & Environmental Services are responsible for the operation and administration of these services. Valid and sufficient Petitions for Services have been received. The *Certificates of Sufficiency* and a site plan are attached for consideration.

**Background:**

The Douglas Hill Water System Service Area boundaries were initially established based on the previous owner's knowledge and recollection. After the petition process had begun for the Douglas Hill Water Service Establishment Bylaw, it was discovered that these four properties are connected to the water system, but not in the service area. Therefore, the service area boundaries must be extended to include them.

Submitted by



Gordon Bonekamp, ASCT.  
Senior Engineering Technologist  
Engineering & Environmental Services

GB:jlb

Bath:\Z:\ES\Memos2010\DHWS Service Area Amd Nov 24-10.doc

Approved by:

NOT AVAILABLE

Brian Dennison, General Manager,  
Engineering and Environmental Services

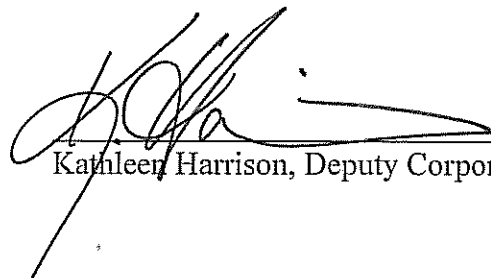


## CERTIFICATE OF SUFFICIENCY

I hereby certify that the petition for inclusion into the *Douglas Hill Water System Service Area* within a portion of Electoral Areas C – Cobble Hill and D – Cowichan Bay is sufficient, pursuant to section 797.4 of the *Local Government Act*.

DATED at Duncan, British Columbia  
this 10<sup>th</sup> day of November, 2010

)  
)  
)  
)

  
Kathleen Harrison, Deputy Corporate Secretary

### Douglas Hill Water System Service Area

Total Number of Parcels Requesting Inclusion in Service Area:	4
Net Taxable Value of All Land and Improvements:	\$1,486,519.
Number of Valid Petitions Received:	4
Net Taxable Value of Petitions Received (Land and Improvements):	\$1,486,519.





# Proposed Inclusion Into Douglas Hill Water System

- Douglas Hill Proposed Extension
- Douglas Hill Water System

This map is compiled from various sources for internal use and is designed for reference purposes only.

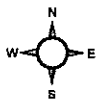
The Regional District does not warrant the accuracy.

All persons making use of this compilation are advised that amendments have been consolidated for convenience purposes only and that boundaries are representational.

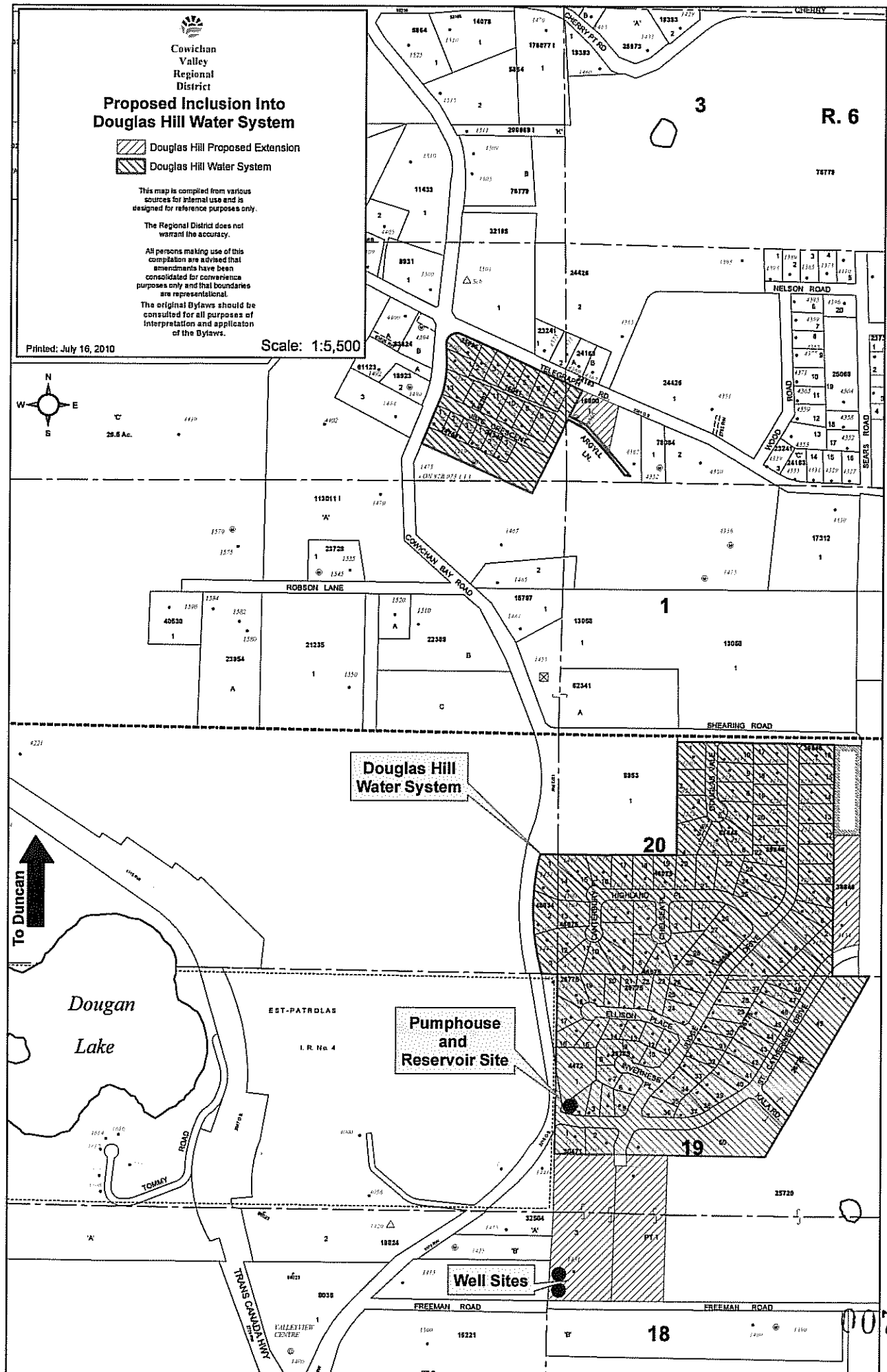
The original Bylaws should be consulted for all purposes of interpretation and application of the Bylaws.

Printed: July 16, 2010

Scale: 1:5,500



25.6 Ac.





C·V·R·D

**R2**

**STAFF REPORT**

**ENGINEERING & ENVIRONMENTAL SERVICES COMMITTEE MEETING  
OF MAY 26, 2010**

**DATE:** November 16, 2010

**FILE NO:** 0400-01/EA-A

**FROM:** Louise Knodel-Joy, Sr. Engineering Technologist

**SUBJECT:** Engineering Assessment – Sylvania Improvement District Water System

---

**Recommendation:**

That the CVRD Board approve 100% funding to carry out an engineering assessment of the Sylvania Improvement District Water System, to a maximum cost of \$15,000, with the funding coming from the CVRD Electoral Feasibility Studies Function, and further that, if a new CVRD water service area function is created, these funds be paid back to the study function by the newly created service area.

**Purpose:** To seek approval for 100% funding for an engineering assessment of the Sylvania Improvement District Water System and allocate staff time to continue exploring the options for CVRD takeover of the Sylvania Improvement District Water System.

**Financial Implications:** All costs to be funded through the CVRD Electoral Feasibility Studies Function and repaid by the service area should a new function be established for this water system.

**Background:**

The following resolution was ratified by the CVRD Board at their meeting of June 9, 2010:

*"That the Board authorize staff time to continue with the process of investigating takeover of the Sylvania Improvement District Water System, located in Electoral Area A, as requested by Sylvania Improvement Trustees, subject to the following conditions and with the understanding that nothing is intended by this approval to fetter future CVRD Board decisions on required bylaws:*

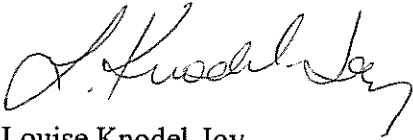
- *All lands on which infrastructure works are located will be placed within registered Statutory Rights-of-way, using the CVRD's standard charge terms;*
- *A utility transfer agreement be executed between the CVRD and the owners;*
- *A CVRD review of the system be undertaken in order to address deficiencies in the water system.*
- *The owner of utility be willing to sell and/or transfer the system to the CVRD;*
- *A public consultation process regarding CVRD takeover be undertaken;*
- *A petition process be carried out and completed by at least 50% of the owners of parcels within the proposed service area with the total value of the parcels representing at least 50% of the net taxable value of all land and improvements in the service area.*

*This list is not exhaustive and items may be added, deleted or altered prior to a formal agreement being executed*

*and further that an assessment of the system be carried out, funded to a maximum cost of \$15,000, with \$5,000 from the CVRD Electoral Area Feasibility Study Function and \$10,000 through a Provincial Feasibility Study Grant; and that, upon completion of a successful petition process, bylaws be prepared to create a service area for this utility.*

Following the CVRD Board resolution, staff applied to the Province for a planning study grant, but were unsuccessful in obtaining the funding. Consequently, staff are seeking approval to have the cost of the assessment funded through the CVRD Electoral Feasibility Studies Function. If the CVRD takes the system over, the cost of the assessment will be recouped from the newly created service area.

Submitted by,



Louise Knodel-Joy  
Senior Engineering Technologist

LKJ:jljb

Bath: Z:\ESMemos2010\SylvaniaFeasibility Study-Nov 16-10.doc

Approved by:

NOT AVAILABLE

Brian Dennison, General Manager,  
Engineering and Environmental Services

**R3****STAFF REPORT****ENGINEERING & ENVIRONMENTAL SERVICES COMMITTEE MEETING  
OF NOVEMBER 24, 2010**

**DATE:** November 17, 2010 **FILE NO:** 5330-30-SPW  
**FROM:** Dave Leitch, ASCT, Manager, Water Management Division  
**SUBJECT:** Satellite Park Water System Capital Works Upgrades

---

**Recommendation:**

**That the Board approve a 3% Community Works contribution increase of \$39,000 for the upgrades to the Satellite Park Water System, bringing the total Community Works contribution to \$469,000.**

**Purpose:** To provide additional Community Works funding to make up for a small financial shortfall in the project funding.

**Financial Implications:** An additional \$39,000 is required to complete of this project. This can be accomplished by increasing the Community Works fund contribution from 67% to 70%. As this is a moderate financial addition to the Community Works funds that have been allocated to the CVRD, it will be relatively easy to adjust and/or rebalance the allocations over time by the Board, as projects come to conclusion, priorities change and different funding grants become available.

**Interdepartmental/Agency Implications:** not applicable at this time.

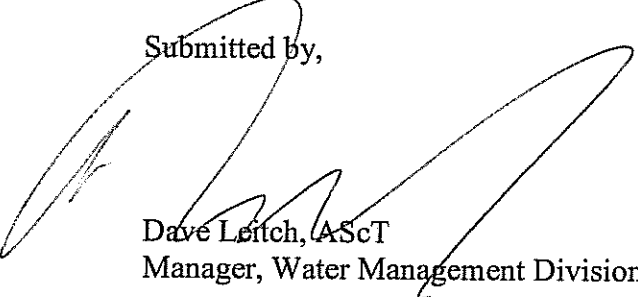
**Background:** In 2007, John Braybrooks Engineering completed a study for the Satellite Park Water System. The financial conclusions within this study estimated the cost for completing the water system upgrades would be \$444,250.00. This total included the construction of a new reservoir, water treatment building and some additional waterlines. The preliminary engineering within the report included a number of assumptions based on unknown factors relating to pressures and flow. After the detailed engineering was completed, the error in these preliminary assumptions resulted in the CVRD having to purchase a fire pump and install a new pressure-reducing station as part of the upgrades. As well, unanticipated difficulties around the treatment building required additional watermain and site works.

As the CVRD had already gone to the community and received borrowing authority for the originally anticipated amount, we have not returned to them to request an increase in the borrowing capacity. Instead, the CVRD undertook the task of constructing a good portion of the treatment building and site works with our own forces in an effort to try and reduce costs.

At this point we have completed the majority of the works. The system is up and functioning, as designed, and all significant costs for this project have been incurred. The total capital cost to complete these upgrades will be \$676,000, which is \$232,000 more than identified in the original engineering study. This difference is attributed to the cost-saving efforts that have been made by the Water Management Division, as we have managed to absorb all but \$39,000.00 in additional costs to the project.

Through a Board resolution, it has been customary, with a few exceptions, that Community Works Funds projects will be funded 67% through the Community Works Program, with a 33% contribution coming from the community. Through the use of staff resources, Satellite Park Water System operational revenue, reserves funds, borrowing and a modest increase in the parcel tax, the community's contribution right now stands at 30% with 70% funding from the Community Works program.

Submitted by,



Dave Letch, ASCT  
Manager, Water Management Division

Approved by:

NOT AVAILABLE

Brian Dennison, General Manager  
Engineering & Environmental Services

DL:jljb

Bath: Z:\ES\Memos\2010\SPW-GAS TAXES-EASC-Nov15-10.doc



## STAFF REPORT

# R4

### ENGINEERING & ENVIRONMENTAL SERVICES COMMITTEE MEETING OF NOVEMBER 24, 2010

**DATE:** November 16, 2010

**FILE NO:** 2320-20-WI

**FROM:** Harmony Huffman, Environmental Technologist

**SUBJECT:** Recycling Service Contract Extensions

---

**Recommendation:** That the Cowichan Valley Regional District enter into Recycling Service Contract extensions with the following service providers.

Contract No.	Service	Supplier
ES-004-05	Bulk Plastic Transport	Active Industrial Waste Mgmt.
ES-005-05	Gypsum Transport	Active Industrial Waste Mgmt.
ES-006-05	Yard and Garden Transport	Active Industrial Waste Mgmt.
ES-007-05	Asphalt Roofing Transport	Active Industrial Waste Mgmt.
ES-009-05	Scrap Lumber Transport	Active Industrial Waste Mgmt.
ES-010-05	MPNRB Transport	Active Industrial Waste Mgmt.
ES-013-05	Scrap Metal Recovery	Steel Pacific Recycling
ES-016-05	Oil Products and Antifreeze Recovery	Newalta Corporation
ES-017-05	Asphalt Roofing Processing	Johel Bros.
ES-018-05	Scrap Lumber and Wood Products Processing	Steel Pacific Recycling
ES-019-05	Bulk Plastic Processing	BFI Canada.
ES-020-05	MPNRB Program Processing	BFI Canada
ES-022-05	Yard and Garden Processing	Central Landscape Supplies Ltd.
ES-027-05	CFC Removal	Electra Appliance Ltd.

for the period of January 1, 2011 to April 30, 2012; and that the Chair and Corporate Secretary be authorized to sign the extension agreements.

**Purpose:** To extend recycling depot processing and hauling contracts.

**Financial Implications:** No significant changes in contract costs are anticipated.

**Interdepartmental/Agency Implications:** None.

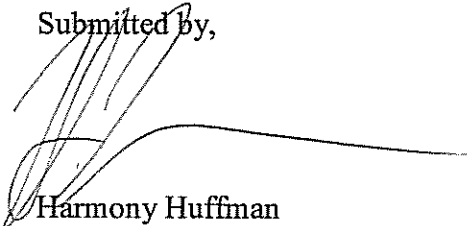
**Background:** All processing and hauling contracts for CVRD Recycling Depots expire on December 31, 2010. These services are critical to the operation of CVRD depots, however, the introduction of a CVRD-run truck and roll-off bin system in 2011 will likely result in significant operational cost savings.

.../2

**Discussion:** Given existing workloads and the subsequent limits to staff time, tendering all fifteen service contracts at this time is not feasible. Contract extensions; however, will allow time for the costs and savings of a CVRD-run truck and roll-off bin program to be evaluated after a full calendar year of servicing and prior to development of tenders. As the outcome of this program will impact future servicing requirements, as will the projected opening of the South Cowichan ECO Depot in fall 2011, entering into contract extensions now will provide time for these impacts to be fully understood prior to tendering for multi-year contracts.

At this time, negotiating contract extensions for the period of January 1, 2011 to April 30, 2012 is not expected to result in significant changes to contract costs.

Submitted by,



Harmony Huffman  
Environmental Technologist

Approved by:

NOT AVAILABLE

Brian Dennison, General Manager,  
Engineering and Environmental Services

HH:jlb

Bath:\Z:\ESMemos2010\ServicingContractExt-Nov-24-10.docx



## STAFF REPORT

**R5**

### ENGINEERING AND ENVIRONMENTAL SERVICES COMMITTEE MEETING OF NOVEMBER 24, 2010

**DATE:** November 17, 2010 **FILE NO:** 5520-20-02/F  
**FROM:** Joanne Bath, Administrative Coordinator, Engineering and Environmental Services  
**SUBJECT:** Critical Location Streetlight – Electoral Area F – Cowichan Lake South/Skutz Falls

---

**Recommendation:**

**That it be recommended to the Board that, as requested by the Town of Lake Cowichan, a *critical location* streetlight be installed at the corner of South Shore Road and the entrance road to the Lakeview Campground and Cowichan Lake Education Centre in Electoral Area F – Cowichan Lake South/Skutz Falls. All capital costs to be borne by the Town of Lake Cowichan.**

**Purpose:** To consider the Town of Lake Cowichan's request for the installation of a *critical location* streetlight at the corner of South Shore Road and Lakeview Campground. entrance. (see attached site plan).

**Financial Implications:** Annual operating costs, including repair and maintenance, will be approximately \$204.00 (\$17.00 per month). In the attached e-mail, the Town of Lake Cowichan have offered to pay installation charges, which would be approximately \$2,000.00, as it requires installation of a transformer.

**Interdepartmental/Agency Implications:** A new function will need to be set up by the CVRD's Financial Services Department. The Town of Lake Cowichan have already had this installation approved by BC Hydro.

**Background:** The *critical location* streetlighting service allows for installation of a single streetlight at any location within the Electoral Area, provided that a specific safety issue is being addressed. In the attached e-mail the Town of Lake Cowichan have cited safety concerns due to increased tourist traffic turning at this intersection.

Although a bylaw was established in 2000 for this service, this would be the first critical streetlight installed in Electoral Area F, therefore a new function must be created with a requisition of approximately \$400.00. The maximum amount of money that may be requisitioned for annual costs for this service is \$1,000, as set out in CVRD Bylaw No. 2142.

Submitted by,

Joanne Bath, Administrative Coordinator  
Engineering and Environmental Services

Approved by:

NOT AVAILABLE

Brian Dennison, General Manager,  
Engineering and Environmental Services



## Joanne Bath

---

**From:** Nagi Rizk [nagi.rizk@lakecowichan.ca]  
**Sent:** Monday, November 08, 2010 5:43 PM  
**To:** Joanne Bath  
**Cc:** Joseph A. Fernandez, CAO  
**Subject:** FW: adding streetlight within CVRD boundary

Joanne,

As per our conversation this afternoon and BC Hydro's email below, please accept this email as a request from the Town of Lake Cowichan to the Cowichan Valley Regional District to approve and request from BC Hydro the installation of a street light at the intersection of South Shore Road and Lakeview Campground/CLEC Road. Total installation charges and cost estimated by BC Hydro will be paid by the Town.

In recent years this intersection is increasingly exposed to a higher volume of traffic and a longer tourism season due to a noticeable rise in popularity of the Cowichan Lake Area. Considering the increased tourist's traffic, logging activities and shorter daylight the lighting at this intersection is becoming a safety hazard to vehicles, cyclists and pedestrians users alike.

We look forward to your approval to process this request through SLIM using the CVRD logging and password information, please call if you have any questions.

Regards,

Nagi Rizk, P.Eng.  
Superintendent, Public Works and Engineering Services  
Town of Lake Cowichan  
Phone: 250-749-6244  
Fax: 250-749-6686  
[www.lakecowichan.ca](http://www.lakecowichan.ca)

---

**From:** Adams, Evan [mailto:Evan.Adams@bchydro.com]  
**Sent:** Monday, November 08, 2010 11:26 AM  
**To:** Nagi Rizk  
**Subject:** adding streetlight within CVRD boundary

Hi Nagi

To request a SLIM streetlight on tel pole 2220860 (within the CVRD streetlight boundary) please contact CVRD Engineering Services at [es@cprd.bc.ca](mailto:es@cprd.bc.ca).

Alternatively, BC Hydro can provide a metered service to your private pole / mast.

In either case, BCH design charges (for transformer) will apply.

Regards,

**Evan**

[evan.adams@bchydro.com](mailto:evan.adams@bchydro.com)  
cell 250 710-9442 tel 250 746-3818 fax 250 746-3812  
Electrical Distribution Design, Field Services  
6494 Norcross Rd Duncan BC V9L 6C1

015



# Cowichan Valley Regional District

The original Bylaws should be consulted for all purposes of interpretation and application of the Bylaws.

## Legend

- Addresses
- Points of Interest
- Roads
  - Highway
  - Road
- Foreshore
- PARCEL\_ARC
- BDEALNS
- BDEALNS
- RDOTHNGZ
- Parcel Area
- First Nations
- Parks by Community
- PARKS
- Park Boundaries



Map center: 48° 48' 47.5" N, 124° 4' 7.3" W

Date Printed: 15/11/2010 14:56:45

This map is a user generated static output from an internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

0 70 140 210 m.



C·V·R·D

**R6**

**STAFF REPORT**

**ENGINEERING & ENVIRONMENTAL SERVICES COMMITTEE MEETING  
OF NOVEMBER 24, 2010**

**DATE:** November 17, 2010 **FILE NO:** 1855-03/ARS

**FROM:** Louise Knodel-Joy, Senior Engineering Technologist

**SUBJECT:** Infrastructure Planning Grant Application  
Arbutus Ridge Sewer Effluent Reuse Study

---

**Recommendation:**

That it be recommended to the Board that the CVRD support application of a provincial infrastructure planning grant for an Arbutus Ridge Sewer Effluent Reuse Study, to be funded to a maximum cost of \$15,000, with \$5,000 from the Arbutus Ridge Sewer System and \$10,000 through a Provincial Planning Grant application.

**Purpose:** To approve application of a planning grant through the Ministry of Community, Sport and Cultural Development Infrastructure Planning Grant Program for the next round of applications in February 2011.

**Financial Implications:** The Infrastructure Planning Grant Program provides funding to a maximum of \$10,000 for approved projects of \$15,000 or more. The remainder of funding will be provided by the Arbutus Ridge Sewer System.

**Interdepartmental/Agency Implications:** none.

**Background:**

The Arbutus Ridge Sewer Effluent Re-use Study will examine potential options of effluent reuse for irrigation purposes.

Submitted by,

Louise Knodel-Joy  
Senior Engineering Technologist

Approved by:

NOT AVAILABLE

Brian Dennison, General Manager  
Engineering & Environmental Services

LKJ:jlb

Bath:\Z:\ES\Memos2010\InfrastructurePlanningGrant-ARS-Nov24-10.doc



C·V·R·D

**R7**

**STAFF REPORT**

**ENGINEERING & ENVIRONMENTAL SERVICES COMMITTEE MEETING  
OF NOVEMBER 24, 2010**

**DATE:** November 17, 2010 **FILE NO:** 1855-03/MSS

**FROM:** Louise Knodel-Joy, Senior Engineering Technologist

**SUBJECT:** Provincial Infrastructure Planning Grant Application  
Mill Springs Sewer System Engineering Assessment

---

**Recommendation:**

That it be recommended to the Board that the CVRD support application of an infrastructure planning grant to carry out an engineering assessment on the Mill Springs Sewer System, to be funded to a maximum cost of \$15,000, with \$5,000 from the CVRD Electoral Feasibility Studies Function and \$10,000 through the Provincial Infrastructure Planning Grant Program.

**Purpose:** To approve application of a study grant through the Ministry of Community, Sport and Cultural Development Infrastructure Planning Grant Program for the next round of applications in February 2011.

**Financial Implications:** The Infrastructure Planning Grant Program provides funding to a maximum of \$10,000 for approved projects of \$15,000 or more. The remainder of funding would come from the CVRD Electoral Feasibility Studies Function.

**Interdepartmental/Agency Implications:** none.

**Background:**

In 2008, Gerald Hartwig, owner of the Mill Springs sewer system, requested entering negotiations with the CVRD regarding takeover of the operations of the sewer system.

An assessment of the sewer system must be carried out prior to the takeover process being completed, which could be funded through the CVRD's Electoral Feasibility Studies Function and a Provincial planning study grant that would pay \$10,000 of the estimated total cost of \$15,000.

The Electoral Feasibility Studies Fund would be repaid upon establishment of a service area for a CVRD-operated Mill Springs Sewer System.

Submitted by,

Louise Knodel-Joy  
Senior Engineering Technologist

Approved by:

NOT AVAILABLE

Brian Dennison, General Manager  
Engineering & Environmental Services

LKJ:jljb

File: Bath\C:\No\ES\Memos2010\InfrastructurePlanningGrants-MillSpringsNov172010.doc