



**REPORT TO CORE AREA LIQUID WASTE MANAGEMENT COMMITTEE
MEETING OF WEDNESDAY, JULY 24, 2013**

SUBJECT BIOSOLIDS ENERGY CENTRE SITING

ISSUE

With the completion of public consultation on the Biosolids Energy Centre (BEC) and the with the elimination of the Viewfield Road Property as a potential site for the BEC a site needs to be selected for the BEC.

BACKGROUND

After an extensive search for potential sites for the BEC, only two potential sites were approved by the Core Area Liquid Waste Management Committee for public consultation namely, Viewfield Road in Esquimalt and a location at Hartland landfill. Following the public consultation process in June, the Board eliminated the Viewfield Road property from further consideration. In order to avoid delays to completion of the Core Area Wastewater Treatment Program (CAWTP) it is necessary to proceed with site selection for the BEC.

The Hartland landfill location is included in the Core Area Liquid Waste Management Plan Amendment No. 8. The site is surrounded by trees, will have limited local visual impact and already has access off Willis Point Road. The nearest residence is located 1.2 km from the site. The land is currently owned by the Capital Regional District (Attachment 1). The cost of construction will be shared with the funding partners. The operating and maintenance (O&M) cost of the conveyance is estimated at \$130,000 per annum, of which \$24,000 relates to power costs for pumping. The O&M costs equate to about 1% of the operating cost of the CAWTP.

The land is currently zoned P-10, Waste Management zone.

ALTERNATIVES

That the Core Area Liquid Waste Management Committee:

1. Recommend to the Capital Regional District Board that Hartland landfill be identified as the location of the Biosolids Energy Centre.
2. Provide direction to staff to continue to search for additional potential sites for the Biosolids Energy Centre.

IMPLICATIONS

It is essential that the BEC be completed in time to allow sludge from the McLoughlin wastewater treatment plant to be pumped to the BEC for processing. The start of commission of the McLoughlin wastewater treatment plant is scheduled for the fall of 2017, with final

acceptance in March 2018. The request for qualifications for the BEC is scheduled to be issued this fall, with selection of the proponent shortlist and issuance of the RFP in the spring of 2014. The successful proponent for the design-build-finance-operate concession is to be selected in early 2015. It is therefore important that the process to confirm the location of the BEC and obtain any necessary approvals commence immediately to ensure the schedule is met. If the BEC is delayed and the McLoughlin wastewater treatment plant completed in advance of the BEC, sludge would have to be trucked to a disposal location and the McLoughlin contractor would be entitled to reimbursement of additional costs.

If the Hartland landfill location is approved, a public engagement plan will be developed and implemented.

CONCLUSION

To avoid program delays and potential contractor it is necessary to confirm the location of the BEC and proceed to obtain the necessary approvals.

RECOMMENDATION

That the Core Area Liquid Waste Management Committee

Recommend to the Capital Regional District Board that Hartland landfill be identified as the location of the Biosolids Energy Centre.

J.A. (Jack) Hull, P.Eng, MBA
Interim Program Director
Core Area Wastewater Treatment Program

Robert Lapham, MCIP, RPP
Chief Administrative Officer
Concurrence

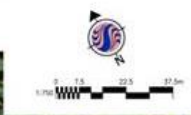
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Attachment: 1

ATTACHMENT 1



KEY PLAN
N.T.S.



December 21, 2010 1:33 p.m.



SCALE	BY	DATE	NO.	REVISION	ENG. NO.	DATE	ISSUE



Capital Regional District (Environmental Services)		CORE AREA WASTEWATER TREATMENT PROGRAM			
DESIGNED	TC	SURVEYED	-	HARTLAND LANDFILL SITE	
DRAWN	HN	DATE	24/11/10	OPTION 1A PRIME 2	
SCALE	HORIZONTAL 1:750	CHECKED	PP	BIOSOLIDS FACILITIES - SITE 1	
SCALE	VERTICAL -	APPROVED	RAF	SITE PLAN	
CONTRACT NUMBER	-	DRAWING NUMBER	HL-A5-C-010	REVISION	SHEET NO. OF -