



WATER SUPPLY ADVISORY COMMITTEE

Monday, October 5, 2020
SCRD Board Room, 1975 Field Road, Sechelt, B.C.

AGENDA

CALL TO ORDER 3:30 p.m.

AGENDA

1. Adoption of Agenda

PRESENTATIONS AND DELEGATIONS

2. Soren Poschmann and Sarah Barbosa, ISL Engineering and Land Services Ltd. Verbal
Regarding Eastbourne Water System Upgrades
- Feasibility Study

BUSINESS ARISING FROM MINUTES AND UNFINISHED BUSINESS

3. Groundwater Exploration Working Group Verbal
WASAC Chair
4. Surface Water Sources Working Group Verbal
WASAC Chair
5. Meters and Leaks Verbal
WASAC Chair
6. Public Input Verbal
WASAC Chair
7. Public Education Verbal
WASAC Chair

REPORTS

8. List of Water Resources Annex A
Water Sustainability Coordinator pp 1 -4

COMMUNICATIONS

9. Ed Pednaud, Executive Director, Sechelt & District Chamber of Commerce dated August 14, 2020 Annex B
Regarding leak detection in SCRd watermains pp 5 - 6

NEW BUSINESS

NEXT MEETING

ADJOURNMENT



Water Supply Advisory Committee

Links to additional Resources

Version July 2020

Committee material

1. Committee Terms of reference and minutes: www.scrd.ca/wasac

SCRD wide material

2. SCR D Strategic Plan: www.scrd.ca/strategic-plan
3. SCR D Maps. "Layers" menu option includes water mains, hydrants, water rights map, and other layers that can be of interest: <http://www2.scrd.ca/maps/>

Legislation, Regulations, and Rights

1. SCR D Bylaw 422 - Water Rates and Regulations: <https://www.scrd.ca/bylaws>
2. SCR D Bylaw 693 – Development Cost Charges Bylaw: <https://www.scrd.ca/bylaws>
3. SCR D Bylaws - North and South Pender Development Cost Charges: available upon request
4. SCR D Bylaw 320 - Subdivision Service: <https://www.scrd.ca/bylaws>
5. SCR D Bylaw 638 – Bylaw Notification Enforcement: <https://www.scrd.ca/bylaws>
6. BC Water Sustainability Act: <https://www2.gov.bc.ca/gov/content/environment/air-land-water/water/laws-rules/water-sustainability-act>
7. Water Rights Database – Ministry of Forest, Lands, Natural Resource Operations, and Rural Development (FLNRORD): <https://www2.gov.bc.ca/gov/content/environment/air-land-water/water/water-licensing-rights/water-licences-approvals/water-rights-databases>
8. Groundwater wells and aquifers database – Province of BC: <https://apps.nrs.gov.bc.ca/gwells/>

9. Bill 41 – 2019. BC Declaration on the Rights of Indigenous Peoples Act:
<https://www.leg.bc.ca/parliamentary-business/legislation-debates-proceedings/41st-parliament/4th-session/bills/first-reading/gov41-1>

Policies and Plans

10. Comprehensive Regional Water Plan (2013). Includes technical memos 3 and 4 that looked at a variety of water source options at a high level:
<https://www.scrd.ca/Comprehensive-Regional-Water-Plan>
11. Water Sourcing Policy Framework: Agenda package of Infrastructure Services Committee for May 17, 2018. Annex A:
https://www.scrd.ca/files/File/Administration/Agendas/2018/2018-MAY-17_ISC_Agenda_Package.pdf
12. Drought Response Plan and related Water Conservation Regulations (Stages 1, 2, 3, and 4): <https://www.scrd.ca/sprinkling-regulations>
13. Area A Water Master Plan
 - a. 2007 Report:
https://www.scrd.ca/files/File/Infrastructure/Water/2007%20Area%20A%20Draft%20Master%20Water%20Plan%20Framework%20final%20revision_Feb%202007.pdf
 - b. 2011 Update Report:
https://www.scrd.ca/files/File/Infrastructure/Water/AAWMP%202011%20Update%20Report%20_Adopted%2011-03-2011_.pdf

Reports, Studies, and Presentations

14. Water Demand Analysis (2018). Includes the methodology for determining the supply deficit to be bridged in 2025 and 2050: <https://www.scrd.ca/water-reports>
15. Let's Talk Water webinar with financial information on 2020 budget. May 25, 2020.
<https://youtu.be/UhaoVY5ifvA>
16. Watershed Governance for the Sunshine Coast, including Town of Gibsons Options report – Infrastructure Services Committee Agenda for Jan 2020. Annex F:
<https://www.scrd.ca/files/File/Administration/Agendas/2020/2020-JAN-30%20ISC%20Agenda%20Package.pdf>
17. Chapman Creek Source Assessment Response Plan (SARP) (2012). Identified risks to the Chapman Creek watershed and proposed actions. <https://www.scrd.ca/SARP>

18. Agricultural Water use on the Sunshine Coast (2016). A study that was conducted to develop a better understanding of commercial agriculture dependent on the Chapman Water System: <https://www.scrd.ca/water-reports>
19. Chapman Lake Expansion Project studies (canceled project): <https://www.scrd.ca/chapman-lake-supply-expansion>

Current Project Specific Links

20. Universal Water Metering: <https://www.scrd.ca/Water-Metering>
21. Groundwater Investigation Round 1 and 2: www.scrd.ca/ground-water-investigation
22. Church Road Well Field Project: www.scrd.ca/church-road-well
23. Raw Water Reservoir: www.scrd.ca/reservoir
24. Rainwater Harvesting Rebate: <https://www.scrd.ca/rainwater>

Other external resources

25. Tetrahedron Weather Station has live data on weather on Mount Steele, upstream from Chapman Lake.
 - a. Coastal Hydrology and Climate Change Research Lab: <http://viu-hydromet-wx.ca/graph/ws-graph/graph-interactive/tetrahedron/>
 - b. This data is also part of a larger set of weather stations across the Province. Automated Snow Weather Stations BC: <https://www2.gov.bc.ca/gov/content/environment/air-land-water/water/water-science-data/water-data-tools/snow-survey-data/automated-snow-weather-station-data>
26. BC Water and Waste Association. The industry association with conferences and research papers: <https://www.bcwwa.org/>
27. The Partnership for Water Sustainability in BC. This group has been actively working on water sustainability in BC and organizes conferences and research. <https://waterbucket.ca/>
28. Polis Project on Ecological Governance – Water Sustainability Project. This academic group from University of Victoria has interesting webinars. Some of the research looks at governance with First Nations as it relates to water in BC: <https://poliswaterproject.org/>
29. BC Adapts. Video series on ways British Columbia is adapting to climate change. <https://www2.gov.bc.ca/gov/content/environment/climate-change/adaptation/bc-adapts>

30. Pacific Climate Impact Consortium. British Columbia specific information on the impacts of climate change: <https://pacificclimate.org/>
31. Alliance for Water Efficiency: <https://www.allianceforwaterefficiency.org/>
32. Water Use it Wisely. Conservation outreach initiative out of Arizona with a lot of good material: <https://wateruseitwisely.com/>



BY EMAIL

August 14, 2020

Sunshine Coast Regional District
1975 Field Rd
Sechelt, B.C.
V0N 3A1

Attention: Chair & Directors

Re: Leak Detection in the SCRD Water Mains

On behalf of our members, The Sechelt & District Chamber of Commerce ("The Chamber") is writing to express our concern about the lack of progress made in regard to leak detection in the SCRD water mains.

As you know, in December 2019, The Chamber hosted a public session on "Water Solutions". A part of this was a presentation about using acoustic technology to identify the locations of leaks quickly and economically.

Since then, we understand the company involved has been in contact with SCRD staff several times, but no substantive progress has been made.

Having an ongoing system to identify and repair leaks is best practice and contributes to a more sustainable asset management plan. It also has the potential to reduce the future water supply needs which could be a very substantial savings to taxpayers.

You may be interested to know that the City of Langley has begun a comprehensive leak detection programme. Perhaps most interesting is that they are taking advantage of the FCM programme providing funding for asset management. We understand this funding mechanism provides 80% of the funding up to a total grant of \$50,000. This means a project cost of \$60,000 would only cost the SCRD taxpayers a total of \$10,000.

Sechelt & District Chamber of Commerce

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The Chamber is of the view that this type of investigation is absolutely mandatory. (even if grant funding is not available) Other parts of the solution to solving the water supply deficit (well investigation, etc.) involve millions of dollars and several years to implement. This project has the potential to identify significant leaks that could be causing the loss of millions of litres of water which could be repaired very quickly.

We encourage you to direct staff to proceed on an expedited basis to undertake a comprehensive leak detection programme with qualified technology and experts.

Respectfully submitted,
SECHELT & DISTRICT CHAMBER OF COMMERCE

Ed Pednaud

ED PEDNAUD
Executive Director