



TOWN OF LAKE COWICHAN

Public Works and Environmental Services Committee Tuesday, April 4th, 2017 at 5:00 p.m. – Council Chambers

AGENDA

1. **CALL TO ORDER**

Page #

INTRODUCTION OF LATE ITEMS (if applicable)

2. **APPROVAL OF AGENDA**

3. **BUSINESS ARISING AND UNFINISHED BUSINESS**

(a) Watermain Upgrades – Update and timelines for:

- (i) Wilson Rd;
- (ii) Park Rd;
- (iii) Greendale Rd;
- (iv) Ohtaki Footbridge; and
- (v) Greendale Trestle.

(b) **Ongoing Items Still Being Addressed:**

- (i) Sidewalks and Walking Trail for North Shore Road – Update.
- (ii) Water Treatment Plant upgrades – Update on equipment purchases and engineering.

4. **DELEGATIONS AND REPRESENTATIONS**

None.

5. **CORRESPONDENCE**

- (a) Roger Cavadini, Ministry of Environment, Environmental Protection Officer, re: Environmental Management Act Waste Discharge Authorization Process.
- (b) Various letters from residents of 138 South Shore Rd, re: request for reduced charge for utility services.

3

4

6. **REPORTS**

7. **NEW BUSINESS**

- (a) National Disaster Mitigation Program, re: Federal Floodplain Mapping Framework.
- (b) Water Consumption Reports for 2015 and 2016.
- (c) Condition of Marine Circle Route Road.

10

15

8. **NOTICES OF MOTION**

9. **PUBLIC RELATIONS ITEMS**

10. **MEDIA/PUBLIC QUESTION PERIOD**

11. **ADJOURNMENT**

This Page is Intentionally Left Blank



March 29, 2017

Authorization Number: PE-247
Tracking Number: 341172

VIA EMAIL: nagi.rizk@lakecowichan.ca

Village of Lake Cowichan
P.O. Box 860
Lake Cowichan, BC
V0R 2G0

Dear Applicant:

Re: Application Package has passed the Screening Phase in the *Environmental Management Act* Waste Discharge Authorization Process

The application process for an authorization to discharge waste under the *Environmental Management Act* has been adjusted to serve you better. This letter provides you with information about your status in the Screening Phase of the new Routine Application process. Links to further guidance about the new process and an application status search tool are provided at the bottom of this page.

I have completed the Screening Phase evaluation of your application package. Your application contains sufficient information to move forward into the Review and Decision Phase.

In the the Review and Decision Phase all of the information you submitted to support your application to discharge waste will be reviewed and assessed in detail, and a draft authorization document created. You will be notified again once a reviewer has been assigned.

If you have any questions, please contact Trevor Hamelin at trevor.hamelin@gov.bc.ca or 604-582-5275 and reference your tracking number.

Yours truly,

A handwritten signature in cursive script that reads "Roger Cavadini".

Roger Cavadini
Environmental Protection Officer
Surrey Regional Office

March 11, 2017

The Mayor and Council,

Lake Cowichan, B.C.

We, the undersigned, are writing to let you know that we, all seniors, living in the Wellington at 138 South Shore Road feel that our Utility Bills should not equal that of families living in detached houses. We feel there should be a lower rate for condominium dwellers and especially those with no families living with them.

Ten of our sixteen suites are occupied by only one senior person, four by two and two are only occupied seasonally.

We have no grass or gardens to water and if we do wash our cars, that water is paid for on the combined strata bill and not from our individual suite assessments.

Most of us only use the stand-up shower a few times a week, the dishwasher 2 or 3 times weekly and do approximately 2 loads of laundry a week.

One person flushing a water saver toilet uses a lot less water and much less space in the sewer system than a family of four.

One senior puts approximately one bag of garbage per week in the bin and possibly one large bag in the recycling bin every 3 or 4 weeks. The composting is catching on slowly.

Thank you for your consideration in this matter. Sincerely,

Name:

Suite #:

P.O. Box:

Telephone Number:

Helga Hoffmann & Wipfried Hoffmann

302

1-250-537 2791

March 11, 2017

The Mayor and Council,

Lake Cowichan, B.C.

We, the undersigned, are writing to let you know that we, all seniors, living in the Wellington at 138 South Shore Road feel that our Utility Bills should not equal that of families living in detached houses. We feel there should be a lower rate for condominium dwellers and especially those with no families living with them.

Ten of our sixteen suites are occupied by only one senior person, four by two and two are only occupied seasonally.

We have no grass or gardens to water and if we do wash our cars, that water is paid for on the combined strata bill and not from our individual suite assessments.

Most of us only use the stand-up shower a few times a week, the dishwasher 2 or 3 times weekly and do approximately 2 loads of laundry a week.

One person flushing a water saver toilet uses a lot less water and much less space in the sewer system than a family of four.

One senior puts approximately one bag of garbage per week in the bin and possibly one large bag in the recycling bin every 3 or 4 weeks. The composting is catching on slowly.

Thank you for your consideration in this matter. Sincerely,

Name: *JOE DeBODT*

Suite #: *207*

P.O. Box: *33, LAKE COWICHAN*

Telephone Number:

250-749-3515 J. DeBodt.

March 11, 2017

The Mayor and Council,

Lake Cowichan, B.C.

We, the undersigned, are writing to let you know that we, all seniors, living in the Wellington at 138 South Shore Road feel that our Utility Bills should not equal that of families living in detached houses. We feel there should be a lower rate for condominium dwellers and especially those with no families living with them.

Ten of our sixteen suites are occupied by only one senior person, four by two and two are only occupied seasonally.

We have no grass or gardens to water and if we do wash our cars, that water is paid for on the combined strata bill and not from our individual suite assessments.

Most of us only use the stand-up shower a few times a week, the dishwasher 2 or 3 times weekly and do approximately 2 loads of laundry a week.

One person flushing a water saver toilet uses a lot less water and much less space in the sewer system than a family of four.

One senior puts approximately one bag of garbage per week in the bin and possibly one large bag in the recycling bin every 3 or 4 weeks. The composting is catching on slowly.

Thank you for your consideration in this matter. Sincerely,

Name: VALERIE CLOVER

Suite #: 208

P.O. Box: 1343

Telephone Number: 749-6569

March 11, 2017

The Mayor and Council,

Lake Cowichan, B.C.

We, the undersigned, are writing to let you know that we, all seniors, living in the Wellington at 138 South Shore Road feel that our Utility Bills should not equal that of families living in detached houses. We feel there should be a lower rate for condominium dwellers and especially those with no families living with them.

Ten of our sixteen suites are occupied by only one senior person, four by two and two are only occupied seasonally.

We have no grass or gardens to water and if we do wash our cars, that water is paid for on the combined strata bill and not from our individual suite assessments.

Most of us only use the stand-up shower a few times a week, the dishwasher 2 or 3 times weekly and do approximately 2 loads of laundry a week.

One person flushing a water saver toilet uses a lot less water and much less space in the sewer system than a family of four.

One senior puts approximately one bag of garbage per week in the bin and possibly one large bag in the recycling bin every 3 or 4 weeks. The composting is catching on slowly.

Thank you for your consideration in this matter. Sincerely,

Name: Denis & Carol Martin

Suite #: 203

P.O. Box: 982

Telephone Number:

250-749-6182

March 11, 2017

The Mayor and Council,

Lake Cowichan, B.C.

We, the undersigned, are writing to let you know that we, all seniors, living in the Wellington at 138 South Shore Road feel that our Utility Bills should not equal that of families living in detached houses. We feel there should be a lower rate for condominium dwellers and especially those with no families living with them.

Ten of our sixteen suites are occupied by only one senior person, four by two and two are only occupied seasonally.

We have no grass or gardens to water and if we do wash our cars, that water is paid for on the combined strata bill and not from our individual suite assessments.

Most of us only use the stand-up shower a few times a week, the dishwasher 2 or 3 times weekly and do approximately 2 loads of laundry a week.

One person flushing a water saver toilet uses a lot less water and much less space in the sewer system than a family of four.

One senior puts approximately one bag of garbage per week in the bin and possibly one large bag in the recycling bin every 3 or 4 weeks. The composting is catching on slowly.

Thank you for your consideration in this matter. Sincerely,

Name:

TINA L. ROWLEDGE

Suite #:

206

P.O. Box:

1431

Telephone Number:

250-749-4687

Tina L. Rowledge

March 11, 2017

The Mayor and Council,

Lake Cowichan, B.C.

We, the undersigned, are writing to let you know that we, all seniors, living in the Wellington at 138 South Shore Road feel that our Utility Bills should not equal that of families living in detached houses. We feel there should be a lower rate for condominium dwellers and especially those with no families living with them.

Ten of our sixteen suites are occupied by only one senior person, four by two and two are only occupied seasonally.


We have no grass or gardens to water and if we do wash our cars, that water is paid for on the combined strata bill and not from our individual suite assessments.

Most of us only use the stand-up shower a few times a week, the dishwasher 2 or 3 times weekly and do approximately 2 loads of laundry a week.

One person flushing a water saver toilet uses a lot less water and much less space in the sewer system than a family of four.

One senior puts approximately one bag of garbage per week in the bin and possibly one large bag in the recycling bin every 3 or 4 weeks. The composting is catching on slowly.

Thank you for your consideration in this matter. Sincerely,

Name: 

Suite #: 205

P.O. Box: VOR 260

Telephone Number: (250) 749-3500



[Public Safety Canada \(/index-en.aspx\)](#)

[Home](#) → [Emergency Management](#) → [Disaster Prevention and Mitigation](#)

→ [National Disaster Mitigation Program](#)

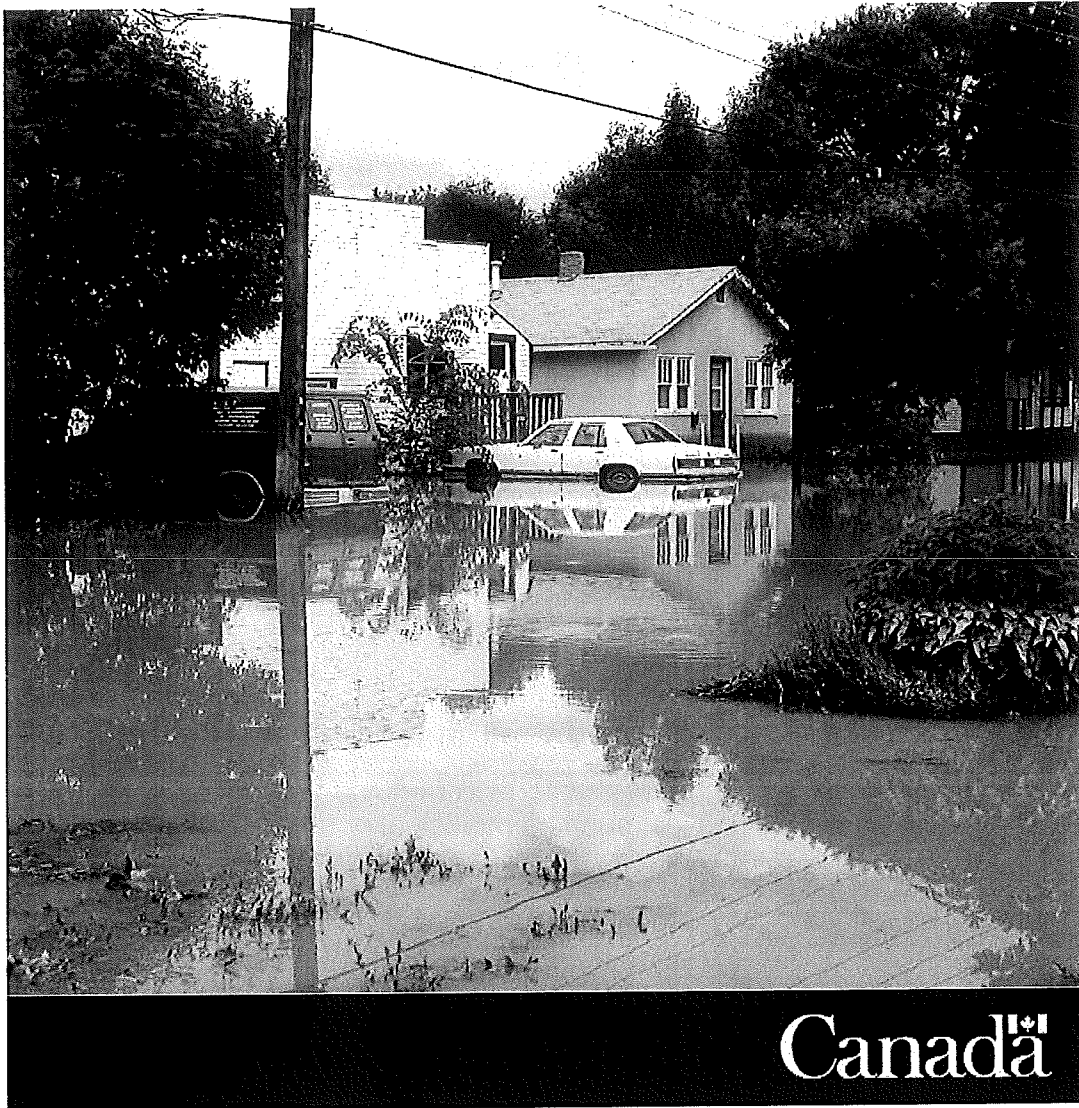
National Disaster Mitigation Program (NDMP)

Overview

[Federal Floodplain Mapping Framework \(fldpln-mppng-en.aspx\)](#)

Shareables





Canada

Share information about the National Disaster Mitigation Program (NDMP)
with your communities
(shrbls/index-en.aspx)

In recognition of increasing disaster risks and costs, Budget 2014 earmarked \$200 million over five years to establish the National Disaster Mitigation Program (NDMP) as part of the Government's commitment to build safer and more resilient communities. The NDMP will address rising flood risks and costs, and build the foundation for informed mitigation investments that could reduce, or even negate, the effects of flood events.

The NDMP fills a critical gap in Canada's ability to effectively mitigate, prepare for, respond to, and recover from, flood-related events by building a body of knowledge on flood risks in Canada, and investing in foundational flood mitigation activities.

Knowledge that is up-to-date and accessible will not only help governments, communities and individuals to understand flood risks and employ effective mitigation strategies to reduce the impacts of flooding, but will also further discussions on developing a residential flood insurance market in Canada.

Main Objectives

The NDMP was established in April 2015 to reduce the impacts of natural disasters on Canadians by:

- Focusing investments on significant, recurring flood risk and costs; and
- Advancing work to facilitate private residential insurance for overland flooding.

Eligibility

Provincial and territorial governments are the eligible recipients for funding under the NDMP. However, provincial and territorial authorities may collaborate with, and redistribute funding to eligible entities, such as municipal or other local governments, public sector bodies, private sector bodies, band councils, international non-government organizations or any combination of these entities.

Program Components

Of the NDMP's \$200 million, the NDMP has an allotment of approximately \$183 million for NDMP projects that will be cost-shared with the provinces and territories (up to 50 per cent of eligible provincial projects and up to 75 per cent of eligible projects in the territories). Projects will be selected for funding through a competitive, merit-based process using objective and measurable criteria.

There are four funding streams available under the NDMP:

Risk Assessments

This stream provides funding for the completion of risk assessments to inform flood risks. Risk assessments are the foundational step in disaster mitigation. These risk assessments will identify flood hazards; potential impacts; and community and infrastructure vulnerabilities as well as the overall flood risk profile for the area.

Flood Mapping

This stream provides funding for the development and/or modernization of flood maps to further address flood risks. A flood map identifies the boundaries of a potential flood event based on type and likelihood and can be used to help identify the specific impacts of a flood event on, for example, structures, people and assets.

Mitigation Planning

This stream provides funding for the development and/or modernization of mitigation plans to address flood risks. A comprehensive mitigation plan allows applicants to develop realistic and sustainable mitigation solutions by clearly outlining the plan's objectives, key activities, expected outputs, timelines, and roles and responsibilities.

Investments in Non-structural and Small Scale Structural Mitigation Projects

This stream provides funding for other non-structural and small scale structural disaster mitigation projects. Eligible projects would include actions such as the replacement of storm culverts, or projects that improve flood resilience by proactively preventing or mitigating damages and losses.

In general, provinces and territories can access any funding stream; however, there must be evidence to indicate that proposals are evidence-based. For example, applicants for flood mapping funding must indicate that their perceived need for flood mapping was informed by a risk assessment. Applicants for mitigation planning must demonstrate that their proposals reflect a need to prevent or mitigate identified and significant flood risks.

Further, provinces and territories can apply to access different streams of funding for different projects.

In addition to the funds that will be dedicated to cost-shared projects with provinces and territories, the NDMP will also assist in building the foundation for future, informed proactive prevention and mitigation by investing \$17 million in three key areas:

- Risk, resilience and return on investment tools to provide provinces, territories and communities with the needed information and capacity to plan and evaluate their flood mitigation projects;
- A risk and resilience repository that will collect, store, manage and share NDMP information to inform future policy and program direction for all levels of government; and
- Public awareness and engagement activities

How to Apply

Provincial and territorial authorities can apply for funding under any of the four funding streams by submitting their NDMP project proposals to the appropriate Public Safety Regional Office. Provinces and territories may also direct any questions to their appropriate Public Safety Regional Office.

The NDMP Project Proposal Form can be found in the "Resources" section below. The deadline for provinces and territories to submit NDMP proposals to Public Safety Canada for funding for 2018-2019 is October 31, 2017.


Communities and municipalities who are interested in the NDMP proposal submission process should contact their appropriate Provincial/Territorial government department or ministry (cntct-en.aspx) as early as possible to discuss its internal process in regards to the NDMP.

Contact Us

By e-mail: ps.ndmp-pnac.sp@canada.ca (<mailto:ps.ndmp-pnac.sp@canada.ca>)

By fax: 613-954-0833

Resources

- [Federal Floodplain Mapping Framework \(fldpln-mppng-en.aspx\)](#)
- [NDMP Terms and Conditions \(trms-cndtns-eng.aspx\)](#)
- [NDMP Program Guidelines \(prgrm-gdlns-eng.aspx\)](#)
- [NDMP Project Proposal Form \(PDF 572 KB\) \(dwnld/prjct-prpsl frm-2016-en.pdf\)](#) **Please save the file to your desktop** 
- [Risk Assessment Information Template \(fls/rait-en.pdf\)](#) (PDF 190 KB)
- [Risk Assessment Information Template – Users' Guide \(prgrm-gdlns-eng.aspx#a34\)](#)

Date modified:

2017-03-07

Joseph Fernandez

From: Nagi Rizk
Sent: March 29, 2017 4:24 PM
To: Jill Thompson
Cc: Joseph Fernandez
Subject: Water Consumption Data 2015 & 2016

Hi Jill,

As requested from Joe, the following records are for the Town of Lake Cowichan Total water consumption for 2015 and 2016 as reported to the CVRD, FLNRO and Statistics Canada.

2015

MONTH	US GALLONS	Litres
January	13,672,391	51,750,000
February	12,372,523	46,830,000
March	14,348,745	54,310,000
April	14,443,857	54,670,000
May	15,859,974	60,030,000
June	19,653,897	74,390,000
July	18,261,559	69,120,000
August	18,544,254	70,190,000
September	16,660,502	63,060,000
October	16,636,724	62,970,000
November	16,272,127	61,590,000
December	16,293,263	61,670,000
TOTAL	193,019,815	730,580,000
Daily Ave.	528,821	2,001,589
Monthly Ave.	16,084,985	60,881,667

2016

MONTH	US GALLONS	Litres
-------	------------	--------

January	15,233,818	57,660,000
February	16,494,055	62,430,000
March	14,684,280	55,580,000
April	15,040,788	56,929,384
May	18,319,276	69,338,459
June	15,334,825	58,042,313
July	15,712,480	59,471,738
August	22,383,546	84,721,723
September	14,879,455	56,318,736
October	15,241,411	57,688,741
November	13,763,346	52,094,264
December	14,529,338	54,993,544
TOTAL	191,616,619	725,268,902
Daily Ave.	524,977	1,987,038
Monthly Ave.	15,968,052	60,439,075

Regards,

Nagi

Nagi Rizk, P.Eng.

Superintendent, Public Works & Engineering Services

Town of Lake Cowichan

☎ 250.749.6244 | Fax: 250-749-6686

www.town.lakecowichan.bc.ca