



AGENDA FOR REGULAR MEETING OF THE WATER SUPPLY ADVISORY COMMITTEE
TO BE HELD ON THURSDAY, 2008-MAY-01, COMMENCING AT 11:45 A.M.
IN THE BOARD ROOM, CITY HALL, 455 WALLACE STREET, NANAIMO, B.C.

1. **ADOPTION OF MINUTES:**

- (a) Minutes of the Water Supply Advisory Committee Meeting held 2007-Nov-21 at 12:00 noon in the Board Room. Pg. 1-2

2. **INTRODUCTION OF LATE ITEMS:**

3. **RECEIVING OF DELEGATIONS:**

4. **REPORTS:**

- (1) *Water Supply Projects Update* Pg. 3-4

5. **INFORMATION ONLY ITEMS:**

6. **CORRESPONDENCE:**

7. **CONSIDERATION OF LATE ITEMS / OTHER BUSINESS:**

8. **NEXT MEETING:**

At the call of the chair.

9. **ADJOURNMENT:**

MINUTES OF THE REGULAR MEETING OF THE WATER SUPPLY ADVISORY COMMITTEE,
HELD IN THE BOARD ROOM, CITY HALL, ON WEDNESDAY, 2007-NOV-21,
COMMENCING AT 12:00 P.M.

PRESENT: Councillor L. D. McNabb, Chair

Members: M. Macdonald, S.W. Extension

Council: Councillor M. Unger

Staff: T. Hickey
B. Sims
B. Clemens
D. Holmes
T. Swabey
S. Perkins

1. ADOPTION OF MINUTES:

- (a) Minutes of the Regular Meeting of the Water Supply Advisory Committee held on 2007-May-30 in the Board Room at 3:30 p.m.

It was moved and seconded that the Minutes be adopted as circulated. The motion carried unanimously.

2. REPORTS:

- (a) Water Supply Strategic Plan and Water Treatment Planning - Next Engineering Tasks

The Water Supply Strategic Plan was completed in January 2007. Associated Engineering helped the City of Nanaimo in the development and coordination of this plan, as well as in undertaking studies related to ground water supply, watershed yield and water treatment plant site location. The strategic plan and the studies were to guide and assist the City in determining how best to prepare for the challenges and demands of the future. The three major initiatives of the plan are the development of a water treatment plant, the addition of another dam and the plan are the development of a water treatment plant, the addition of another dam and reservoir and ongoing pipeline and storage upgrades which total \$225 million over 20 years.

To enable the City to proceed with property acquisition for both the water treatment plant and the dam site, as well as to initiate the process for selecting a design engineer for the water treatment plant, further work is required for the Water Treatment Plant Site Location Study. This work will also prepare the City to apply for Federal and Provincial infrastructure grants that may become available.

RECOMMENDATION: That the Water Supply Advisory Committee recommend that Council authorize Associated Engineering to complete the tasks related to the Water Treatment Plant Site Location Study at an additional cost of \$74,000.

It was moved and seconded that the recommendation be adopted. The motion carried unanimously.

(b) Water Rates for Southwest Extension

City staff have reviewed the bulk water rate charged to Southwest Extension and are recommending an increase of \$.12 per 1,000 gallons. This is brought about by the extensive capital program that is being implemented to deal with the long term improvements required to the water supply system.

RECOMMENDATION: That the Water Supply Advisory Committee recommend that Council adopt a bylaw to establish the rate for bulk water supply to Southwest Extension at \$1.43 per thousand gallons.

It was moved and seconded that the recommendation be adopted. The motion carried unanimously.

3. NEXT MEETING:

At the call of the Chair.

4. ADJOURNMENT:

It was moved and seconded at 12:17 p.m. that the meeting adjourn. The motion carried unanimously.

CHAIR

FOR INFORMATION ONLY

REPORT TO: WATER SUPPLY ADVISORY COMMITTEE

FROM: BILL SIMS, MANAGER, WATER RESOURCES

RE: WATER SUPPLY PROJECTS UPDATE

STAFF'S RECOMMENDATION:

That the Water Supply Advisory Committee receive this report for information.

EXECUTIVE SUMMARY:

Conceptual engineering work on the Water Treatment Plant is now complete. The next stages in this project include property acquisition, refinement of budgeting and project timelines, consultant selection to undertake preliminary design and pilot testing, and preparation of grant applications to senior government.

BACKGROUND:

a) Water Treatment Plant Conceptual Design

Associated Engineering developed a conceptual design with treatment options, including conventional filtration with dissolved air flotation and membrane filtration. The concept lays out the foundation for sustainable design that eliminates or minimizes the plant's emissions, achieves carbon-neutrality, and minimizes the ecological footprint.

The conceptual design places the city on a firm footing to move forward with property acquisition, grant application(s), and pilot testing and process selection. Cost estimates vary up to \$67 million, depending on the technology selection. Another component of the work will see the abandonment of the open reservoir No.1 on Nanaimo Lakes Rd, and replacement with new covered storage. Preliminary estimates for this work are \$7.25 million.

Associated Engineering will be invited to present their report an upcoming Council meeting. The next steps in the process are:

- property acquisition,
- engineering consultant selection to undertake further pilot testing and design, and
- discussions with senior government regarding grant programs.

b) Project Status - Labieux Booster Station

Construction, testing and commissioning of the Labieux Booster Station is now complete, on time and budget. The station is ready for operation. The booster station will help increase flows to the north end of the City, during periods of high summer demand. In the near future, the Water Supply Advisory Committee will conduct an official start-up ceremony, involving the media, and invited guests, including Mayor and Council.

c) Project Status - South Nanaimo Reservoirs

Property acquisition of the ten acre site that will house the reservoirs is now complete. Island Timberlands (original owners) is proceeding to log the property. Koers & Associates Engineering Ltd. will proceed with site investigation and survey shortly. Construction is expected to begin late fall. The logging has prompted a number of calls from residents; staff will send out a letter to affected residents in Extension explaining the project.

Respectfully submitted,



Wm. D. Sims
Manager, Water Resources



Tom Hickey, Director
Engineering & Public Works

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