



**ENGLISHMAN RIVER WATER SERVICE JOINT VENTURE
MEETING OF THE MANAGEMENT BOARD**

**MONDAY, April 18, 2016
2:00pm – 4:00pm**

***City of Parksville Forum
100 Jensen Avenue***

A G E N D A

PAGES

CALL TO ORDER

DELEGATIONS

MINUTES

3-6 Minutes of the Emergency Englishman River Water Service Management Board Meeting held December 9, 2015.

BUSINESS ARISING FROM THE MINUTES

COMMUNICATIONS/CORRESPONDENCE

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DFO – Fisheries Act Authorization (to be presented)

UNFINISHED BUSINESS

REPORTS

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Detailed Design Project Status Update. (verbal update)

Transmission Main Report. (verbal update)

13-24 ERWS Final 2016 – 2020 Financial Plan (verbal and report)

ADDENDUM

BUSINESS ARISING FROM DELEGATIONS OR COMMUNICATIONS

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IN CAMERA

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NEXT MEETING

ADJOURNMENT

Distribution:

J. Stanhope, B. Rogers, M. Lefebvre, S. Powell, M. Squire, B. Weir, R. Alexander

For Information:

*D. Trudeau, F. Manson, D. Comis, J. Marsh, M. Donnelly, W. Idema, G. St. Pierre, V. Figueira,
L. Butterworth, S. Karokochuk*



**MINUTES OF THE MEETING OF THE
ENGLISHMAN RIVER WATER SERVICE (ERWS) MANAGEMENT BOARD**
(Immediately following the Arrowsmith Water Service Management Board Regular Meeting)
HELD ON WEDNESDAY, DECEMBER 9, 2015 AT 1:30PM
IN THE REGIONAL DISTRICT OF NANAIMO, BOARD CHAMBERS

Present:	J. Stanhope, Chair B. Rogers M. Lefebvre	Regional District of Nanaimo Regional District of Nanaimo City of Parksville
Also Present:	M. Donnelly W. Idema G. St. Pierre P. Thorkelsson V. Figueria B. Weir L. Butterworth M. Squire S. Schultz	Regional District of Nanaimo Regional District of Nanaimo Regional District of Nanaimo Regional District of Nanaimo City of Parksville Town of Qualicum Beach City of Parksville City of Parksville Recording Secretary, RDN
Regrets:	S. Powell D. Comis	City of Parksville City of Parksville

CALL TO ORDER

Chair Stanhope called the meeting to order at 1:49pm.

DELEGATIONS

MINUTES

MOVED Director Rogers, SECONDED Director Lefebvre, that the minutes from the Emergency Englishman River Water Services Management Board held July 30, 2015, be adopted.

CARRIED

BUSINESS ARISING FROM THE MINUTES

COMMUNICATIONS/CORRESPONDENCE

DFO Authorization Application – Submitted August 11, 2015. (M. Squire)

M. Squire presented the DFO Authorization Application that was submitted August 11, 2015 which is under review by DFO. To date DFO is satisfied with all information given to them in consultation and with the mitigation measures put forward to them. First Nations consultation by DFO is still ongoing and we understand is the final step in the permit application and approval process. The report is put forward for correspondence and is available on the City of Parksville website. DFO requires a consultation with Nanoose First Nations before a timeline can be established and from that date forward DFO will make their decision based on technical merit.

MOVED Director Lefebvre, SECONDED Director Rogers, that the DFO Authorization Application – Submitted August 11, 2015 be received.

CARRIED

REPORTS

Project Update. (verbal)

M. Squire provided a verbal project update going forward with the detailed design of the Intake, water treatment plant and also the transmission mains. H2O Innovations has been retained as the membrane supplier and at the end of this week there will be a pilot plant delivered on site. This will give a better indication of the actual membrane output and will help enhance the detailed design of the treatment plant. The system essentially optimizes the coagulant pre-treatment dosage and allows and allows fine tuning of the water treatment plant.

The pilot plant will be operating for the next three months and is open to the Board and the rest of the technical staff to come and tour the facility. Once up and running the pilot plant will also give operators a chance to become familiar with the technology.

MOVED Director Lefebvre, SECONDED Director Rogers that the Verbal Project Update be received.

CARRIED

Englishman River Water Service 2016 – 2020 Financial Plan. (Circulated)

M. Squire presented the ERWS 2016 – 2020 Financial Plan for the Boards consideration. The Financial Plan is based on firm water membrane treatment plant capacity of 16 million liters per day and total project costs of \$28.3 million.

MOVED Director Levebvre, SECONDED Director Rogers, that the report from the Municipal Water Service Management Committee dated December 7, 2015 entitled Englishman River Water Service 2016-2020 Financial Plan be received.

CARRIED

MOVED Director Lefebvre, SECONDED Director Rogers that the Englishman River Water Service Management Board accept the 2016 – 2020 Financial Plan as outlined in Table 1 attached to the December 7, 2015 report.

CARRIED

MOVED Director Lefebvre, SECONDED Director Rogers, that the Englishman River Water Service Management Board recommend the Joint Ventures adopt their portion of the 2016 – 2020 Financial Plan as outlined in Table 2 attached to the December 7, 2015 report.

CARRIED

BUSINESS ARISING FROM DELEGATIONS OR COMMUNICATIONS

NEW BUSINESS

OTHER

QUESTIONS

The Chair opened the floor to questions and comments.

Mr. Duane Round of the Martindale Residents Association inquired about the possibility of moving the distribution line that will run from the new Water Treatment Plant over to the Springwood water storage area. It is proposed to go on the North side of the tracks which is the lower side and creates difficulties because of being well treed, steep terrain, and has an impact on the property owners along that area. The South side of the tracks is already level with a line already present. I am aware there may be some difficulties regarding working in proximity to that line however feel it is possible. Would the Board re consider where that distribution line is and perhaps look at putting it on the South side of the tracks, that has already be leveled, cleared and have very little impact on neighboring properties.

M. Squire commented that there is an agreement in principal from the Island Corridor foundation for that alignment. That alignment was chosen as the most feasible option and also in Parallel for access of utility vehicles for water main servicing and jointly with future E&N trail development as it allows a good East to West Trail connector along the E&N route. Martindale Road was previously explored and required land acquisition to get back to the E&N Corridor. Forneau Road was also explored however the constraints were that hydraulic grade line in elevation is too high and would cause an air gap as pumping only occurs to a certain elevation which is at the top of the reservoir. There is also a fibre optic line along that route and any damage to that line would be very costly and the Right Of Way on the South Side of the E&N is not as wide and the terrain is on the high side of the topography.

The design we have right now is conceptual and will be developing the design for towards the detailed preliminary design so as the survey is looked into and topographical alternate routes can certainly be taken into consideration.

Mr. Duane Round if the line was placed on the Southside of the tracks there would be fewer concerns regarding the underground streams that feed a number of neighboring properties personal wells utilized for their drinking water. There is already a catchment area on that side of the tracks to alleviate and direct that water in a more favorable way to protect those underground streams and the peoples drinking water as well as less chance of erosion of that steep bank. Once you remove the well-established trees it would undermine the bank and cause potential problems in the future.

M Squire responded that this information can be taken back to the consultants. We are very consciences about disturbing the surface run off and are taking engineering measures to ensure that surface water run off remains as the pre-existing condition. The pipe trench will be engineered to prevent migration of water along the trench.

IN CAMERA

OTHER

NEXT MEETING

ADJOURNMENT

MOVED Chair Stanhope, SECONDED Director Rogers that the meeting be adjourned.

CARRIED

J. Stanhope, Chairperson

PERMIT

to OPERATE

A WATER SUPPLY SYSTEM A Drinking Water System with 301- 10.000 connections

Water System Name: **PARKSVILLE, WWS**
Premises Number: 1310814

Premises Address: 1116 Herring Gull Way
Parksville, BC
V9P 2H3

Water System Owner: City of Parksville

City of Parksville is hereby permitted to operate the above potable water supply system and is required to operate this system in accordance with the Drinking Water Protection Act and in accordance with the conditions set out in this operating permit and conditions established as part of any construction permit.

The water supply system for which this operating permit applies is generally described as:

Service Delivery Area: Englishman River Water Service Area
Source Water: Multiple wells & Englishman River (May to October)
Water Treatment methods are: None
Water Disinfection methods are: Chlorination (liquid & gas).

Number of Connections 301-10,000 Connections - DWT

Operating conditions specific to this water supply system are in Appendix A.

Date: July 1, 1992

Issued By: 
Environmental Health Officer

**This permit must be displayed
in a conspicuous place and is not transferable**

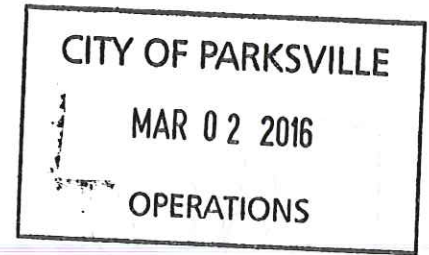
Place Decal Here

Excellent health and care for everyone,
everywhere, everytime.



March 1, 2016

Mike Squire
Program Manager
Englishman River Water Service
1116 Herring Gull Way
PO Box 1390
Parksville, BC V9P 2H3



Dear Mike:

**Re: Changes to Terms and Conditions of the City of Parksville Water System
Operating Permit**

Please find enclosed an amended operating permit issued under section 8(4) of the *Drinking Water Protection Act* (the "Act"). The terms and conditions are attached as Appendix A (Operational) and Appendix B (Surface Water Treatment Objectives) and are effective **March 1, 2016**.

The terms and conditions, Appendix A dated April, 2009 is hereby rescinded.

In accordance to section 8(1)(b) of the Act, the water supply system must be operated in accordance with these terms and conditions. It is understood that Appendix B timeframes are target dates. Large construction projects may encounter unforeseen delays which may prohibit the completion of the project by the listed dates.

Upon completion of the water treatment plant, this proposed permit will have to be amended to reflect the new works. At that time the City of Parksville will have to request an amendment to their Operating Permit. For example, performance standards for the selected filtration technology would be listed on the Operating Permit but are not reflected in this Permit.

Please also note that water suppliers have various responsibilities under the Act and the *Drinking Water Protection Regulation* (The "Regulation"), beyond those set out as terms and conditions of the operating permit. It is your responsibility to familiarize yourself with the Act and Regulations. See section 2.2 of part A of the *Drinking Water Officer's Guide* for a summary of responsibilities and references to some of the relevant provisions of the Act and Regulation. This is intended for basic information purposes only.

If you have any questions about this operating permit, please do not hesitate to contact me at (250) 947.8222 or by email at bill.wrathall@viha.ca

March 1, 2016

Appendix A - Operational

**Water System Operating Permit Terms and Conditions For the Current
City of Parksville Water System**

The permit holder is advised the following Terms and Conditions are in addition to other legislated responsibilities and obligations such as:

- *The Drinking Water Protection Act, ([SBC 2001] Chapter 9*
 - *The Drinking Water Protection Regulation (B.C. Reg. 200/2003 O.C. 508/2003)*
-
1. Adhere to monitoring requirements to ensure the efficacy of disinfection and/or treatment technology. Provide a minimum of 0.2 mg/L of residual disinfectant, measured as *free* chlorine for the water entering the system. The level of residual disinfectant at any point within the distribution system should be at least 0.05 mg/L, measured as *total* or *free* chlorine.

If detectable levels of chlorine are not observed during routine residual analysis in the distribution system, the water supplier shall obtain water samples and have them analyzed for total coliform and *Escherichia coli*, and undertake any necessary steps to return a chlorine residual as *total* and *free* chlorine.
 2. Provide continuous on-line turbidity monitoring of raw water for the Englishman River during drawing periods (May through October or as applicable) to ensure less than or equal to 1 NTU of turbidity in finished water. Ensure the Emergency Response Plan includes appropriate action for turbidity events as detailed in the "*Decision Tree for Responding to a Turbidity Event in Unfiltered Drinking Water*".
 3. Routine surveillance and evaluation of a source water protection program and emergency response plan to identify and respond to any activity that may impact or cause changes to the source water.
 4. Adhere to a sampling program as approved by the Drinking Water Officer and according to BCWWA standards or equivalent. Maintain records of all monitoring conducted. The sampling program is to include, but is not necessarily limited to, the following:
 - Bacteriological testing at representative locations within the distribution system.
 - Chemical testing in accordance with the *Guidelines Canadian Drinking Water Quality* or parameters specified in the *VIHA Guidelines for Approval of Water Supply Systems*.
 - Chlorine disinfectant concentration testing at representative locations within the distribution system.
 5. Adhere to maintenance and operating procedures as approved by the Drinking Water Officer and abide by BCWWA standards or equivalent. Maintenance and operating procedures shall address but is not necessarily limited to:
 - Source water and intake protection.

March 1, 2016

Appendix B – Surface Water Treatment Objectives

**Water System Operating Permit Terms and Conditions For
City of Parksville Water System**

The permit holder is advised the following Terms and Conditions are in addition to other legislated responsibilities and obligations such as:

- The *Drinking Water Protection Act*, ([SBC 2001] Chapter 9
 - The *Drinking Water Protection Regulation* (B.C. Reg. 200/2003 O.C. 508/2003)
-

1. Englishman River water source must be treated in accordance with the *Drinking Water Treatment Objectives (Microbiological) for Surface Water Systems in British Columbia* to achieve the following performance standard:
 - 4-log reduction or inactivation of viruses.
 - 3-log reduction or inactivation of *Giardia* and *Cryptosporidium*.
 - Two treatment processes for surface water.
 - Less than or equal to one (1) nephelometric turbidity unit (NTU) of turbidity in finished water.
2. Establish an implementation strategy towards meeting the SWTO's with a projected water treatment plant operational date by September 30, 2018. The following timeframes and critical objectives are identified:
 - December 1, 2016 - Submission of construction permit application(s) for the water treatment plant, intake, pump station and transmission mains.
 - March 31, 2017- Construction commencement.
 - June 30, 2018 – Construction complete.
 - July 1, 2018 – Commissioning commences.
 - September 30, 2018 – Plant operational.

If unforeseen and/or extenuating circumstances prevent completion of the water treatment plant by September 30, 2018 the water supplier must notify the Environmental Health Officer (EHO), a minimum of 90 days in advance of the deadline, and provide rationale for the delay. Any changes to the operating permit must be approved by the EHO in writing.

3. Provide formal project updates by the following dates:
 - July 29, 2016.
 - January 27, 2017.
 - July 28, 2017.
 - January 31, 2018.

* Project updates may be written or in presentation format.



DATE: April 6, 2016

REPORT TO: ENGLISHMAN RIVER WATER SERVICE MANAGEMENT BOARD

FROM: ENGLISHMAN RIVER WATER SERVICE MANAGEMENT COMMITTEE

SUBJECT: DRAFT PREDESIGN REPORT (UPDATE)
WATER INTAKE, TREATMENT PLANT AND SUPPLY MAINS.

PURPOSE: TO OBTAIN ENGLISHMAN RIVER WATER SERVICE MANAGEMENT BOARD APPROVAL OF THE DRAFT PREDESIGN REPORT (UPDATE), WATER INTAKE, TREATMENT PLANT AND SUPPLY MAINS

EXECUTIVE SUMMARY:

The Draft Predesign Report (Update) - Water Intake, Treatment and Supply Mains, prepared by CH2M Hill, dated December 10, 2015 is complete. The main purpose of the updated redesign report was to review and confirm the first phase of the water treatment plant capacity. The report formally concludes and recommends the first phase of the water treatment plant capacity to be 16 million liters per day.

The next steps for consulting services include 60% detailed design and contract document preparation, with tendering for the project to start in late summer.

RECOMMENDATION(S):

1. THAT the report from the Englishman River Water Service Management Committee dated April 6, 2016, entitled Draft Predesign Report (Update), Water Intake, Treatment Plant and Supply Mains be received;
2. AND THAT the Englishman River Water Service Management Board recommend the Joint Ventures adopt the report titled "Draft Predesign Report (Update) - Water Intake, Treatment Plant, and Supply Mains", prepared by CH2M Hill, dated December 10, 2015.

BACKGROUND:

These technical documents were prepared to give the ERWS guidance in implementing and proceeding with immediate planning needs, capital infrastructure works, budget preparation and potential land acquisition.

The updated predesign report engaged the services of CH2M Hill to determine the type of water intake structure, raw water pump station location, confirmation of water treatment technology, plant size and plant location. Kerr Wood Leidal (a sub consultant to CH2M Hill) determined the hydraulics of the Englishman River for water extraction, aquatic effects based on the new intake location and water model analysis for the transmission water supply mains. Other investigations such as geotechnical, archaeological and biological assessments were also undertaken in an effort to comply with senior government permitting requirements.

The next phase (Phase 4 - currently proceeding) will require detailed design and tender preparation in order to complete the water treatment plant, water intake and required water transmission mains.

In accordance with the adopted Project Implementation Plan, the current proposed project schedule is as follows:

- **Phase 4**
 - Detailed design to 60 % review - April 2016
 - Detailed design to a 90 % review - May 2016
- **Phase 5**
 - Preparation of specification and contract documentation - June 2016
 - Tendering - August 2016
- **Phase 6**
 - Construction - November 2016 to June 2018
- **Phase 7**
 - Commissioning - July to September 2018

REFERENCES

- Project Implementation Plan
- Phase 1 - Conceptual Planning, Budgeting and Scheduling (dated April 2011)
- Phase 2 - Water Treatment Pilot Testing and Aquifer Storage and Recovery Feasibility Analysis (dated April 2014)
- Phase 3 - Final Predesign Report (24 MLD Option), Water Intake, Treatment Plant, and Supply Mains (dated June 2014)



englishman river
WATER SERVICE

DATE: April 6, 2016

REPORT TO: ENGLISHMAN RIVER WATER SERVICE MANAGEMENT BOARD

FROM: ENGLISHMAN RIVER WATER SERVICE MANAGEMENT COMMITTEE

SUBJECT: ENGLISHMAN RIVER WATER SERVICE (ERWS)
FINAL 2016 - 2020 FINANCIAL PLAN

PURPOSE: ADOPTION OF THE ERWS FINAL 2016 - 2020 FINANCIAL PLAN

EXECUTIVE SUMMARY:

The ERWS Final 2016 - 2020 Financial Plan sets out the financial requirements needed to advance the objectives of bulk water supply to the Joint Venture Communities. The proposed capital budget is based on a firm membrane filtration treatment capacity of 16 million liters per day.

The ERWS Final 2016 - 2020 Financial Plan reflects unspent funds from 2015 that are required to be added to the year 2016 budget to account for ongoing consulting and capital works carrying over into year 2016. The ERWS Final 2016 - 2020 Financial Plan also reallocates funds accordingly to reflect the current cost estimate prepared by CH2M Hill as outlined in the Draft Predesign Report, dated December 10, 2015.

RECOMMENDATION(S):

1. THAT the report from the Englishman River Water Service Management Committee, dated April 6, 2016, entitled ERWS Final 2016 - 2020 Financial Plan be received;
2. AND THAT the Englishman River Water Service Management Board accept the Final 2016 - 2020 Financial Plan as outlined in Table 1 attached to the April 6, 2016 report;
3. AND THAT the Englishman River Water Service Management Board recommend the Joint Ventures adopt their portion of the Final 2016 - 2020 Financial Plan as outlined in Table 2 attached to the April 6, 2016 report.

BACKGROUND:

Table 1 outlines the detailed total project cost and Table 2 references each jurisdiction's share to take forward to each respected Council / Board for ratification.

With the formation of the Englishman River Water Service and further advancement of the Capital Plan, the 2016 - 2020 Financial Plan was reviewed and updated in an effort to outline funding requirements for operations and capital expenditures for the next five years. It was determined that unspent funds from 2015 are required to be added to the 2016 - 2020 Final Financial Plan to account for works carried forward into year 2016. Unspent budget items in year 2015 are required to be transferred to year 2016 in order to finalize all tasks and keep the project on schedule. Being that the ERWS is a joint venture partnership, no formal governance is in place to carry forward funds from the current year into future year budgets as the ERWS is only funded by the partners for actual funds spent. Therefore, an increase in the 2016 budget is required to reflect an estimate of the unspent amounts and to reflect the amounts actually needed for 2016. Additionally, separate account numbers have been assigned to each jurisdictions' transmission main projects in an effort to track and attribute expenses to each project accordingly.

In summary, the adjustments to the 2016 - 2020 Financial Plan are:

- River Intake / Supply Mains for years 2016 and 2017, reduced from \$3,000,000 each year to \$2,400,000 respectively;
- Reallocate \$600,000 from River Intake / Supply Mains for years 2016 and 2017 to City of Parksville Transmission Main
- Carried Forward \$1,143,700 from year 2015 River Intake / Supply Mains budget and reallocate / re-budget to:
 - \$43,700 - Joint Transmission Main - Engineering
 - \$700,000 - City of Parksville Transmission Main - Contracts
 - \$400,000 - City of Parksville Transmission Main - Engineering
- Carried Forward \$860,900 from year 2015 Water Treatment budget and reallocate / re-budget to:
 - \$400,000 - Water Treatment - Engineering
 - \$460,900 - Water Treatment - Contracts

A Final 2016 - 2020 Financial Plan has been prepared for consideration by the ERWS Management Board. The proposed budget is shown on Table 1, attached.

OPTIONS:

1. Accept the ERWS Final 2016 - 2020 Financial Plan as presented in Table 1 attached.
2. Provide the ERWS Management Committee with further direction.

ANALYSIS:

Option 1

This is consistent with the ERWS Management Committee recommendation to proceed with the project and would allow completion by September 2018.

Option 2

The 2016 - 2020 Final Financial Plan sets out the financial requirements needed for ERWS to carry out projects necessary to advance ERWS objectives.

FINANCIAL IMPACT:

Cost sharing for the Englishman River Water Service budget is established based on ownership (i.e. Parksville 74 % and RDN 26 %) as referenced in Schedule "C" of the Englishman River Water Service Joint Venture, dated July 1, 2011.

Years 2016 to 2020 in the Financial Plan show substantial capital to carry out the construction of the new water intake and water treatment facility. Funds for such projects are currently available in both the City of Parksville and the Regional District of Nanaimo surplus reserve accounts and authorized long-term borrowing. The ERWS has received \$6 million in funding from senior government that will help augment these costs.

The ERWS Final 2016 - 2020 Financial Plan sets out the financial requirements needed for the ERWS staff to carry out the project for the next several years. Without this plan the capital projects and predesign activities would be delayed or halted due to insufficient funds.

REFERENCES:

April 8, 2012 report from the Englishman River Water Service Management Committee to the Englishman River Management Board regarding the ERWS Project Implementation Strategy.

March 12, 2015 report from Englishman River Water Service Management Committee to the Englishman River Management Board providing an update regarding the Department of Fisheries and Oceans Canada position on the proposed new intake on the Englishman River.

November 13, 2014 report from Englishman River Water Service Management Committee to the Englishman River Management Board regarding ERWS Water Intake and Treatment Plant Phasing Options.

November 8, 2014 report from City of Parksville Chief Administrative Officer to Mayor and Council regarding ERWS Water Intake and Treatment Plant Options.

June 23, 2014 report from City of Parksville Chief Administrative Officer to Mayor and Council regarding borrowing bylaw referendum in conjunction with the November 2014 general local government elections.

Englishman River Water Service Agreement - July 1, 2011.

ERWS Revision to the Project Implementation Strategy - July 27, 2015.

Table 1, dated December 7, 2015 showing the recommended ERWS Revised 2016 - 2020 Financial Plan and Table 2 showing each Joint Venture's requisition share.

**TABLE 1
ENGLISHMAN RIVER WATER SERVICE
FINAL 2016 - 2020 FINANCIAL PLAN (\$)**

	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Actual	2015 Budget	2016 Budget	2017 Budget	2018 Budget	2019 Budget	2020 Budget
REVENUE											
Joint Venture Requisitions											
Parkville Requisition (74 %)	1,082,538	225,017	443,183	593,655	765,972	2,016,700	10,102,184	8,332,972	279,369	329,709	362,413
RDN Requisition (26%)	380,351	79,060	155,713	208,581	269,125	708,570	2,249,416	2,014,288	1,898,157	143,087	175,659
Total Joint Venture Requisitions	1,462,889	304,077	598,896	802,236	1,035,097	2,725,270	12,351,600	10,347,260	2,177,525	472,796	538,072
Other Revenue											
Grants	0	483,801	669,172	581,257	0	0	3,000,000	3,000,000	0	0	0
Transfer From Reserves	0	0	0	0	0	0	0	0	0	0	0
Total Other Revenue	0	483,801	669,172	581,257	0	0	3,000,000	3,000,000	0	0	0
TOTAL REVENUE	1,462,889	787,878	1,268,068	1,383,493	1,035,097	2,725,270	15,351,600	13,347,260	2,177,525	472,796	538,072
EXPENDITURES											
Operating Administration (Operating)											
Salaries / Wages 7-2-28-7310-300	1,950	0	259	0	258						
Training 7-2-28-7310-306	0	2,060	0	59	0	100	100	102	104	106	108
Conferences / Seminars 7-2-28-7310-307	0	1,006	0	0	0						
Memberships 7-2-28-7310-311	0	273	301	0	0						
Contracts 7-2-28-7310-330	1,628	748	5,109	1,819	0	2,000	2,000	2,040	2,081	2,122	2,165
Consulting 7-2-28-7310-331	256	0	0	470	0	500					0
Legal Fees 7-2-28-7310-332	0	2,596	0	0	3,427		3,500	3,570	3,641	3,714	3,789
Audit Fees 7-2-28-7310-333	0	4,172	4,100	4,100	4,100	4,100	4,100	4,182	4,266	4,351	4,438
Tel / Cable 7-2-28-7310-422	0	809	924	602	0	700	500	510	520	531	541
Meeting Costs 7-2-28-7310-423	8	478	608	1,276	1,901	1,500	1,500	1,530	1,561	1,592	1,624
Licences and Insurance 7-2-28-7310-400	0	0	0	0	884		500	510	520	531	541
Advertising 7-2-28-7310-410	0	0	0	766	11,382	600	200	204	208	212	216
Printing 7-2-28-7310-413					1,920						
Courier 7-2-28-7310-452	0	0	0	44	29		100	102	104	106	108
Small Tools, Equipment & Furniture 7-2-28-7310-450	81	1,631	139	356	0	500	500	510	520	531	541
Hydro 7-2-28-7310-461					53						
Minor Capital - Contracts 7-2-28-7350-330	1,209	0	0								
Minor Capital - Parts / Materials 7-2-28-7350-450	503	0	0								
Intake, Raw Watermain and Joint Transmission Mains										150,000	150,000
Water Treatment Plant										225,000	225,000
ASR										0	0
Total Administration (Operating)	5,634	13,772	11,440	9,492	23,954	10,000	13,000	13,260	13,525	388,796	389,072
Total Operating	5,634	13,772	11,440	9,492	23,954	10,000	13,000	13,260	13,525	388,796	389,072

Capital - Program Summary

Description	G/L	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Actual	2015 Budget	2016 Budget	2017 Budget	2018 Budget	2019 Budget	2020 Budget
Property Acquisition - Administration	7-6-28-9750-300	13,683	-4,070	11,203	0	0	0	0	0	0	0	0
Property Acquisition - Contracts	7-6-28-9750-330	4,983	0	0	0	0	0	0	0	0	0	0
Property Acquisition - Consulting	7-6-28-9750-331	6,574	0	0	0	0	0	0	0	0	0	0
Property Acquisition - Equipment Res Charge Out	7-6-28-9750-800	136	739	0	0	0	0	0	0	0	0	0
Property Acquisition - Parts Materials / Supplies	7-6-28-9750-450	1,200,550	0	0	0	0	0	0	0	0	0	0
Total Property Acquisition		1,225,925	-3,331	11,203	0	0	0	0	0	0	0	0
River Intake / Supply Mains - Administration	7-6-28-9751-300	48,421	34,906	39,635	35,808	15,212		42,000	42,000	42,000	42,000	42,000
River Intake / Supply Mains - Contracts	7-6-28-9751-330	358	256	0	1,031	1,450	1,401,350	2,400,000	2,400,000	100,000	0	0
River Intake / Supply Mains - Engineering	7-6-28-9751-331	10,685	17,681	338,863	490,301	236,921		250,000	250,000	0	0	0
River Intake / Supply Mains - Legal	7-6-28-9751-332	0	0	0	0	1,592		0	0	0	0	0
River Intake / Supply Mains - Advertising	7-6-28-9751-410	0	0	0	603	0		0	0	0	0	0
River Intake / Supply Mains - Meetings	7-6-28-9751-423	0	103	3,822	790	780		0	0	0	0	0
River Intake / Supply Mains - Parts / Supplies	7-6-28-9751-450	3,023	389	1,008	443	489		0	0	0	0	0
River Intake / Supply Mains - Equip. Charge Out	7-6-28-9751-800	2,189	727	19	0	1,188		0	0	0	0	0
River Intake / Supply Mains - Equip. Lease / Rent	7-6-28-9751-340	28	0	915	0	0		0	0	0	0	0
Joint Transmission Main	7-6-28-9754-330							500,000	500,000			
Joint Transmission Main - Engineering	7-6-28-9754-331							43,700				
COP Transmission Main - Springwood / Pump Upgrade	7-6-28-9755-330							3,300,000	2,600,000			
COP Transmission Main - Springwood - Engineering	7-6-28-9755-331							400,000				
RDN - Craig Bay Pump Station / Top Bridge Transmission	7-6-28-9756-330									1,800,000		
Total River Intake / Supply Mains		64,703	54,062	384,263	528,976	257,632	1,401,350	6,935,700	5,792,000	1,942,000	42,000	42,000
Water Treatment - Administration	7-6-28-9752-300	23,513	44,296	41,016	33,595	16,831		42,000	42,000	42,000	42,000	42,000
Water Treatment - Travel	7-6-28-9752-307	0	0	6,420		0						
Water Treatment - Contracts	7-6-28-9752-330	27,222	20,167	0	1,032	446,971	1,089,190	7,210,900	6,750,000	180,000	0	0
Water Treatment - Engineering	7-6-28-9752-331	78,978	123,760	127,492	490,301	161,300		1,150,000	750,000	0	0	0
Water Treatment - Equip. Lease / Rental	7-6-28-9752-340	9,057	22,949	0	0	0		0	0	0	0	0
Water Treatment - Rent & Lease	7-6-28-9752-345	900	1,614	0	0	0		0	0	0	0	0
Water Treatment - Insurance	7-6-28-9752-400	102	102	0	0	0		0	0	0	0	0
Water Treatment - Advertising	7-6-28-9752-410	0	0	0	603	511		0	0	0	0	0
Water Treatment - Meeting Costs	7-6-28-9752-423	0	0	0	791	0		0	0	0	0	0
Water Treatment - Parts and Materials	7-6-28-9752-450	1,759	525	0	443	2,782		0	0	0	0	0
Water Treatment - Courier	7-6-28-9752-452	0	611	0	0	485		0	0	0	0	0
Water Treatment - Equip Res Charge	7-6-28-9752-800	0	306	739	0	485		0	0	0	0	0
Water Treatment - Gas & Oil	7-6-28-9752-460	689	0	0	0	0		0	0	0	0	0
Water Treatment - Hydro	7-6-28-9752-460					553						
Total Water Treatment		142,219	214,330	175,666	526,765	629,918	1,089,190	8,402,900	7,542,000	222,000	42,000	42,000

Capital - Program Summary

Description	G/L	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Actual	2015 Budget	2016 Budget	2017 Budget	2018 Budget	2019 Budget	2020 Budget
Aquifer Storage and Recovery - Administration	7-6-28-9753-300	0	47,966	68,824	42,248	10,218		0	0	0	0	15,000
Aquifer Storage and Recovery - Contracts	7-6-28-9753-330	0	184,135	234,995	135,486	99,833	224,730	0	0	0	0	0
Aquifer Storage and Recovery - Engineering	7-6-28-9753-331	24,407	263,943	229,267	128,733	13,232		0	0	0	0	50,000
Aquifer Storage and Recovery - Equip Rental	7-6-28-9753-340	0	1,806	1,619	605	0		0	0	0	0	0
Aquifer Storage and Recovery - Meeting Costs	7-6-28-9753-423	0	120	134	754	0		0	0	0	0	0
Aquifer Storage and Recovery - Advertising	7-6-28-9753-410				603	0		0	0	0	0	0
Aquifer Storage and Recovery - Parts / Materials	7-6-28-9753-450	0	9,491	136,424	5,894	0		0	0	0	0	0
Aquifer Storage and Recovery - Small Tools	7-6-28-9753-451	0	0	5,832	39	0		0	0	0	0	0
Aquifer Storage and Recovery - Courier	7-6-28-9753-452				161	0		0	0	0	0	0
Aquifer Storage and Recovery - Hydro	7-6-28-9753-461	0	0	500	1,652	0		0	0	0	0	0
Aquifer Storage and Recovery - Equip Res Charge Out	7-6-28-9753-800	0	1,585	7,901	2,086	309		0	0	0	0	0
Total Aquifer Storage and Recovery		24,407	509,045	685,496	318,261	123,592	224,730	0	0	0	0	65,000
Total Capital		1,457,254	774,107	1,256,628	1,374,001	1,011,143	2,715,270	15,338,600	13,334,000	2,164,000	84,000	149,000
TOTAL EXPENDITURES		1,462,889	787,878	1,268,068	1,383,493	1,035,097	2,725,270	15,351,600	13,347,260	2,177,525	472,796	538,072

TABLE 2
Parkville Requisition - ERWS
FINAL 2016 - 2020 FINANCIAL PLAN (\$)

	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Actual	2015 Budget	2016 Budget	2017 Budget	2018 Budget	2019 Budget	2020 Budget
REVENUE											
Joint Venture Requisitions											
Parkville Requisition (74%)	1,082,538	225,017	443,183	593,655	765,972	2,016,700	10,102,184	8,332,972	279,369	329,709	362,413
Other Revenue											
Grants	0	358,013	495,187	430,130	0	0	2,220,000	2,220,000	0	0	0
Transfer From Reserves	0	0	0	0	0	0	0	0	0	0	0
Total Other Revenue	0	358,013	495,187	430,130	0	0	2,220,000	2,220,000	0	0	0
TOTAL REVENUE	1,082,538	583,030	938,370	1,023,785	765,972	2,016,700	12,322,184	10,552,972	279,369	329,709	362,413
EXPENDITURES											
Operating	74%	74%	74%	74%	74%	74%	74%	74%	74%	74%	74%
Administration (Operating)											
Salaries / Wages 7-2-28-7310-300	1,443	0	192	0	191	0	0	0	0	0	0
Training 7-2-28-7310-306	0	1,524	0	44	0	74	74	75	77	79	80
Conferences / Seminars 7-2-28-7310-307	0	744	0	0	0	0	0	0	0	0	0
Memberships 7-2-28-7310-311	0	202	223	0	0	0	0	0	0	0	0
Contracts 7-2-28-7310-330	1,205	554	3,780	1,346	0	1,480	1,480	1,510	1,540	1,571	1,602
Consulting 7-2-28-7310-331	189	0	0	348	0	370	0	0	0	0	0
Legal Fees 7-2-28-7310-332	0	1,921	0	0	2,536	0	2,590	2,642	2,695	2,749	2,803
Audit Fees 7-2-28-7310-333	0	3,087	3,034	3,034	3,034	3,034	3,034	3,095	3,157	3,220	3,284
Tel / Cable 7-2-28-7310-422	0	599	684	445	0	518	370	377	385	393	400
Meeting Costs 7-2-28-7310-423	6	354	450	944	1,407	1,110	1,110	1,132	1,155	1,178	1,201
Licences and Insurance 7-2-28-7310-400	0	0	0	0	654	0	370	377	385	393	400
Advertising 7-2-28-7310-410	0	0	0	566	8,423	444	148	151	154	157	160
Printing 7-2-28-7310-413					1,421						
Courier 7-2-28-7310-452	0	0	0	33	21	0	74	75	77	79	80
Small Tools, Equipment & Furniture 7-2-28-7310-450	60	1,207	103	263	0	370	370	377	385	393	400
Hydro 7-2-28-7310-461					39						
Minor Capital - Contracts 7-2-28-7350-330	895	0	0	0	0	0	0	0	0	0	0
Minor Capital - Parts / Materials 7-2-28-7350-450	372	0	0	0	0	0	0	0	0	0	0
Intake, Raw Watermain and Joint Tansmission Mains										111,000	111,000
Water Treatment Plant										166,500	166,500
ASR										0	0
Total Administration (Operating)	4,169	10,191	8,465	7,024	17,726	7,400	9,620	9,812	10,009	287,709	287,913
Total Operating	4,169	10,191	8,465	7,024	17,726	7,400	9,620	9,812	10,009	287,709	287,913

Capital - Program Summary

Description	G/L	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Actual	2015 Budget	2016 Budget	2017 Budget	2018 Budget	2019 Budget	2019 Budget
		74%	74%	74%	74%	74%	74%	74%	74%	74%	50%	50%
Property Acquisition - Administration	7-6-28-9750-300	10,125	-3,011	8,290	0	0	0	0	0	0	0	0
Property Acquisition - Contracts	7-6-28-9750-330	3,688	0	0	0	0	0	0	0	0	0	0
Property Acquisition - Consulting	7-6-28-9750-331	4,865	0	0	0	0	0	0	0	0	0	0
Property Acquisition - Equipment Res Charge Out	7-6-28-9750-800	101	547	0	0	0	0	0	0	0	0	0
Property Acquisition - Parts Materials / Supplies	7-6-28-9750-450	888,407	0	0	0	0	0	0	0	0	0	0
Total Property Acquisition		907,185	-2,465	8,290	0	0	0	0	0	0	0	0
River Intake / Supply Mains - Administration	7-6-28-9751-300	35,832	25,830	29,330	26,498	11,257	0	31,080	31,080	31,080	21,000	21,000
River Intake / Supply Mains - Contracts	7-6-28-9751-330	265	190	0	763	1,073	1,036,999	1,776,000	1,776,000	74,000	0	0
River Intake / Supply Mains - Engineering	7-6-28-9751-331	7,907	13,084	250,759	362,823	175,322	0	185,000	185,000	0	0	0
River Intake / Supply Mains - Legal	7-6-28-9751-332	0	0	0	0	1,178	0	0	0	0	0	0
River Intake / Supply Mains - Advertising	7-6-28-9751-410	0	0	0	446	0	0	0	0	0	0	0
River Intake / Supply Mains - Meetings	7-6-28-9751-423	0	76	2,828	585	577	0	0	0	0	0	0
River Intake / Supply Mains - Parts / Supplies	7-6-28-9751-450	2,237	288	746	328	362	0	0	0	0	0	0
River Intake / Supply Mains - Equip. Charge Out	7-6-28-9751-800	1,619	538	14	0	879	0	0	0	0	0	0
River Intake / Supply Mains - Equip. Lease / Rent	7-6-28-9751-340	21	0	677	0	0	0	0	0	0	0	0
Joint Transmission Main	7-6-28-9754-330						0	370,000	370,000			
Joint Transmission Main - Engineering	7-6-28-9754-331							32,338	0			
COP Transmission Main - Springwood / Pump Upgrade	7-6-28-9755-330						0	3,300,000	2,600,000			
COP Transmission Main - Springwood - Engineering	7-6-28-9755-331							400,000	0			
RDN - Craig Bay Pump Station / Top Bridge Transmission	7-6-28-9756-330									0		
Total River Intake / Supply Mains		47,880	40,006	284,354	391,442	190,648	1,036,999	6,094,418	4,962,080	105,080	21,000	21,000
Water Treatment - Administration	7-6-28-9752-300	17,399	32,779	30,352	24,860	12,455	0	31,080	31,080	31,080	21,000	21,000
Water Treatment - Travel	7-6-28-9752-307	0	0	4,751								
Water Treatment - Contracts	7-6-28-9752-330	20,144	14,924	0	764	330,759	806,001	5,336,066	4,995,000	133,200	0	0
Water Treatment - Engineering	7-6-28-9752-331	58,444	91,582	94,344	362,823	119,362	0	851,000	555,000	0	0	0
Water Treatment - Equip. Lease / Rental	7-6-28-9752-340	6,702	16,982	0	0	0	0	0	0	0	0	0
Water Treatment - Rent & Lease	7-6-28-9752-345	666	1,195	0	0	0	0	0	0	0	0	0
Water Treatment - Insurance	7-6-28-9752-400	75	75	0	0	0	0	0	0	0	0	0
Water Treatment - Advertising	7-6-28-9752-410	0	0	0	446	378	0	0	0	0	0	0
Water Treatment - Meeting Costs	7-6-28-9752-423	0	0	0	585	0	0	0	0	0	0	0
Water Treatment - Parts and Materials	7-6-28-9752-450	1,301	388	0	328	2,059	0	0	0	0	0	0
Water Treatment - Courier	7-6-28-9752-452	0	452	0	0	359	0	0	0	0	0	0
Water Treatment - Equip Res Charge	7-6-28-9752-800	0	226	547	0	359	0	0	0	0	0	0
Water Treatment - Gas & Oil	7-6-28-9752-460	510	0	0	0	0	0	0	0	0	0	0
Water Treatment - Hydro	7-6-28-9752-460					409						
Total Water Treatment		105,242	158,604	129,993	389,806	466,140	806,001	6,218,146	5,581,080	164,280	21,000	21,000

Capital - Program Summary

Description	G/L	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 YTD	2015 Budget	2016 Budget	2017 Budget	2018 Budget	2019 Budget	2019 Budget
Aquifer Storage and Recovery - Administration	7-6-28-9753-300	0	35,495	50,930	31,263	7,561	0	0	0	0	0	7,500
Aquifer Storage and Recovery - Contracts	7-6-28-9753-330	0	136,260	173,896	100,260	73,876	166,300	0	0	0	0	0
Aquifer Storage and Recovery - Engineering	7-6-28-9753-331	18,061	195,318	169,658	95,263	9,792	0	0	0	0	0	25,000
Aquifer Storage and Recovery - Equip Rental	7-6-28-9753-340	0	1,336	1,198	447	0	0	0	0	0	0	0
Aquifer Storage and Recovery - Meeting Costs	7-6-28-9753-423	0	89	100	558	0	0	0	0	0	0	0
Aquifer Storage and Recovery - Advertising	7-6-28-9753-410	0	0	0	446	0	0	0	0	0	0	0
Aquifer Storage and Recovery - Parts / Materials	7-6-28-9753-450	0	7,023	100,954	4,361	0	0	0	0	0	0	0
Aquifer Storage and Recovery - Small Tools	7-6-28-9753-451	0	0	4,316	29	0	0	0	0	0	0	0
Aquifer Storage and Recovery - Courier	7-6-28-9753-452	0	0	0	119	0	0	0	0	0	0	0
Aquifer Storage and Recovery - Hydro	7-6-28-9753-461	0	0	370	1,222	0	0	0	0	0	0	0
Aquifer Storage and Recovery - Equip Res Charge Out	7-6-28-9753-800	0	1,173	5,846	1,544	228	0	0	0	0	0	0
Total Aquifer Storage and Recovery		18,061	376,694	507,267	235,513	91,458	166,300	0	0	0	0	32,500
Total Capital		1,078,368	572,839	929,905	1,016,761	748,246	2,009,300	12,312,564	10,543,160	269,360	42,000	74,500
TOTAL EXPENDITURES		1,082,538	583,030	938,370	1,023,785	765,972	2,016,700	12,322,184	10,552,972	279,369	329,709	362,413

TABLE 2
Regional District of Nanaimo Requisition - ERWS
FINAL 2016 - 2020 FINANCIAL PLAN (\$)

	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Actual	2015 Budget	2016 Budget	2017 Budget	2018 Budget	2019 Budget	2020 Budget
REVENUE											
Joint Venture Requisitions											
RDN Requisition (26%)	380,351	79,060	155,713	208,581	269,125	708,570	2,249,416	2,014,288	1,898,157	143,087	175,659
Other Revenue											
Grants	0	125,788	173,985	151,127	0	0	780,000	780,000	0	0	0
Transfer From Reserves	0	0	0	0	0	0	0	0	0	0	0
Total Other Revenue	0	125,788	173,985	151,127	0	0	780,000	780,000	0	0	0
TOTAL REVENUE	380,351	204,848	329,698	359,708	269,125	708,570	3,029,416	2,794,288	1,898,157	143,087	175,659
EXPENDITURES											
Operating	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%	26%
Administration (Operating)											
Salaries / Wages 7-2-28-7310-300	507	0	67	0	67	0	0	0	0	0	0
Training 7-2-28-7310-306	0	536	0	15	0	26	26	27	27	28	28
Conferences / Seminars 7-2-28-7310-307	0	261	0	0	0	0	0	0	0	0	0
Memberships 7-2-28-7310-311	0	71	78	0	0	0	0	0	0	0	0
Contracts 7-2-28-7310-330	423	195	1,328	473	0	520	520	530	541	552	563
Consulting 7-2-28-7310-331	66	0	0	122	0	130	0	0	0	0	0
Legal Fees 7-2-28-7310-332	0	675	0	0	891	0	910	928	947	966	985
Audit Fees 7-2-28-7310-333	0	1,085	1,066	1,066	1,066	1,066	1,066	1,087	1,109	1,131	1,154
Tel / Cable 7-2-28-7310-422	0	210	240	157	0	182	130	133	135	138	141
Meeting Costs 7-2-28-7310-423	2	124	158	332	494	390	390	398	406	414	422
Licences and Insurance 7-2-28-7310-400	0	0	0	0	230	0	130	133	135	138	141
Advertising 7-2-28-7310-410	0	0	0	199	2,959	156	52	53	54	55	56
Printing 7-2-28-7310-413					499						
Courier 7-2-28-7310-452	0	0	0	11	8	0	26	27	27	28	28
Small Tools, Equipment & Furniture 7-2-28-7310-450	21	424	36	93	0	130	130	133	135	138	141
Hydro 7-2-28-7310-461					14						
Minor Capital - Contracts 7-2-28-7350-330	314	0	0	0	0	0	0	0	0	0	0
Minor Capital - Parts / Materials 7-2-28-7350-450	131	0	0	0	0	0	0	0	0	0	0
Intake, Raw Watermain and Joint Transmission Mains										39,000	39,000
Water Treatment Plant										58,500	58,500
ASR										0	0
Total Administration (Operating)	1,465	3,581	2,974	2,468	6,228	2,600	3,380	3,448	3,517	101,087	101,159
Total Operating	1,465	3,581	2,974	2,468	6,228	2,600	3,380	3,448	3,517	101,087	101,159

Capital - Program Summary

Description	G/L	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Actual	2015 Budget	2016 Budget	2017 Budget	2018 Budget	2019 Budget	2019 Budget
		26%	26%	26%	26%	26%	26%	26%	26%	26%	50%	50%
Property Acquisition - Administration	7-6-28-9750-300	3,558	-1,058	2,913	0	0	0	0	0	0	0	0
Property Acquisition - Contracts	7-6-28-9750-330	1,296	0	0	0	0	0	0	0	0	0	0
Property Acquisition - Consulting	7-6-28-9750-331	1,709	0	0	0	0	0	0	0	0	0	0
Property Acquisition - Equipment Res Charge Out	7-6-28-9750-800	35	192	0	0	0	0	0	0	0	0	0
Property Acquisition - Parts Materials / Supplies	7-6-28-9750-450	312,143	0	0	0	0	0	0	0	0	0	0
Total Property Acquisition		318,741	-866	2,913	0	0	0	0	0	0	0	0
River Intake / Supply Mains - Administration	7-6-28-9751-300	12,590	9,075	10,305	9,310	3,955	0	10,920	10,920	10,920	21,000	21,000
River Intake / Supply Mains - Contracts	7-6-28-9751-330	93	67	0	268	377	364,351	624,000	624,000	26,000	0	0
River Intake / Supply Mains - Engineering	7-6-28-9751-331	2,778	4,597	88,104	127,478	61,599	0	65,000	65,000	0	0	0
River Intake / Supply Mains - Legal	7-6-28-9751-332	0	0	0	0	414	0	0	0	0	0	0
River Intake / Supply Mains - Advertising	7-6-28-9751-410	0	0	0	157	0	0	0	0	0	0	0
River Intake / Supply Mains - Meetings	7-6-28-9751-423	0	27	994	206	203	0	0	0	0	0	0
River Intake / Supply Mains - Parts / Supplies	7-6-28-9751-450	786	101	262	115	127	0	0	0	0	0	0
River Intake / Supply Mains - Equip. Charge Out	7-6-28-9751-800	569	189	5	0	309	0	0	0	0	0	0
River Intake / Supply Mains - Equip. Lease / Rent	7-6-28-9751-340	7	0	238	0	0	0	0	0	0	0	0
Joint Transmission Main	7-6-28-9754-330						0	130,000	130,000			
Joint Transmission Main - Engineering	7-6-28-9754-331							11,362	0			
COP Transmission Main - Springwood / Pump Upgrade	7-6-28-9755-330											
COP Transmission Main - Springwood - Engineering	7-6-28-9755-331											
RDN - Craig Bay Pump Station / Top Bridge Transmission	7-6-28-9756-330									1,800,000		
Total River Intake / Supply Mains		16,823	14,056	99,908	137,534	66,984	364,351	841,282	829,920	1,836,920	21,000	21,000
Water Treatment - Administration	7-6-28-9752-300	6,113	11,517	10,664	8,735	4,376	0	10,920	10,920	10,920	21,000	21,000
Water Treatment - Travel	7-6-28-9752-307	0	0	1,669								
Water Treatment - Contracts	7-6-28-9752-330	7,078	5,244	0	268	116,212	283,189	1,874,834	1,755,000	46,800	0	0
Water Treatment - Engineering	7-6-28-9752-331	20,534	32,178	33,148	127,478	41,938	0	299,000	195,000	0	0	0
Water Treatment - Equip. Lease / Rental	7-6-28-9752-340	2,355	5,967	0	0	0	0	0	0	0	0	0
Water Treatment - Rent & Lease	7-6-28-9752-345	234	420	0	0	0	0	0	0	0	0	0
Water Treatment - Insurance	7-6-28-9752-400	26	26	0	0	0	0	0	0	0	0	0
Water Treatment - Advertising	7-6-28-9752-410	0	0	0	157	133	0	0	0	0	0	0
Water Treatment - Meeting Costs	7-6-28-9752-423	0	0	0	206	0	0	0	0	0	0	0
Water Treatment - Parts and Materials	7-6-28-9752-450	457	136	0	115	723	0	0	0	0	0	0
Water Treatment - Courier	7-6-28-9752-452	0	159	0	0	126	0	0	0	0	0	0
Water Treatment - Equip Res Charge	7-6-28-9752-800	0	79	192	0	126	0	0	0	0	0	0
Water Treatment - Gas & Oil	7-6-28-9752-460	179	0	0	0	0	0	0	0	0	0	0
Water Treatment - Hydro	7-6-28-9752-460					144						
Total Water Treatment		36,977	55,726	45,673	136,959	163,779	283,189	2,184,754	1,960,920	57,720	21,000	21,000

Capital - Program Summary

Description	G/L	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Actual	2015 Budget	2016 Budget	2017 Budget	2018 Budget	2019 Budget	2019 Budget
Aquifer Storage and Recovery - Administration	7-6-28-9753-300	0	12,471	17,894	10,984	2,657	0	0	0	0	0	7,500
Aquifer Storage and Recovery - Contracts	7-6-28-9753-330	0	47,875	61,099	35,226	25,957	58,430	0	0	0	0	0
Aquifer Storage and Recovery - Engineering	7-6-28-9753-331	6,346	68,625	59,609	33,471	3,440	0	0	0	0	0	25,000
Aquifer Storage and Recovery - Equip Rental	7-6-28-9753-340	0	470	421	157	0	0	0	0	0	0	0
Aquifer Storage and Recovery - Meeting Costs	7-6-28-9753-423	0	31	35	196	0	0	0	0	0	0	0
Aquifer Storage and Recovery - Advertising	7-6-28-9753-410	0	0	0	157	0	0	0	0	0	0	0
Aquifer Storage and Recovery - Parts / Materials	7-6-28-9753-450	0	2,468	35,470	1,532	0	0	0	0	0	0	0
Aquifer Storage and Recovery - Small Tools	7-6-28-9753-451	0	0	1,516	10	0	0	0	0	0	0	0
Aquifer Storage and Recovery - Courier	7-6-28-9753-452	0	0	0	42	0	0	0	0	0	0	0
Aquifer Storage and Recovery - Hydro	7-6-28-9753-461	0	0	130	429	0	0	0	0	0	0	0
Aquifer Storage and Recovery - Equip Res Charge Out	7-6-28-9753-800	0	412	2,054	542	80	0	0	0	0	0	0
Total Aquifer Storage and Recovery		6,346	132,352	178,229	82,748	32,134	58,430	0	0	0	0	32,500
Total Capital		378,886	201,268	326,723	357,240	262,897	705,970	3,026,036	2,790,840	1,894,640	42,000	74,500
TOTAL EXPENDITURES		380,351	204,848	329,698	359,708	269,125	708,570	3,029,416	2,794,288	1,898,157	143,087	175,659