



LAKE WHATCOM WATER AND SEWER DISTRICT  
1220 Lakeway Drive  
Bellingham, WA 98229

## REGULAR MEETING OF THE BOARD OF COMMISSIONERS

### AGENDA

*April 25, 2018*

8:00 a.m. – Regular Session

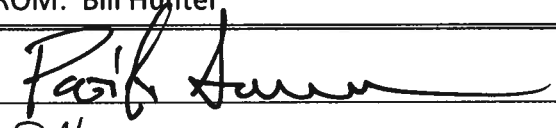
1. CALL TO ORDER
2. PUBLIC COMMENT OPPORTUNITY  
At this time, members of the public may address the Commission. Please state your name prior to making comments.
3. ADDITIONS, DELETIONS, OR CHANGES TO THE AGENDA
4. CONSENT AGENDA
5. SPECIFIC ITEMS OF BUSINESS:
  - A. C1705 Par Bid Award
  - B. Commissioner Candidate Applications
  - C. Monthly Budget Analysis
  - D. Summary of Existing District Projects
6. OTHER BUSINESS
7. MANAGER'S REPORT
8. PUBLIC COMMENT OPPORTUNITY
9. EXECUTIVE SESSION
10. ADJOURNMENT



## LAKE WHATCOM WATER AND SEWER DISTRICT

### AGENDA BILL

Item 5.A.

DATE SUBMITTED:	April 19, 2018	MEETING DATE:	April 25, 2018
SUBJECT:	Geneva and Par Sewer Pump Station Improvements – Construction Contract Award		
TO: BOARD OF COMMISSIONERS	FROM: Bill Hunter		
GENERAL MANAGER APPROVAL	 B.H.		
DISTRICT ENGINEER/ASST MGR APPROVAL			
FINANCE MANAGER APPROVAL			
ATTACHED DOCUMENTS	1. Bid Summary		
	2.		
	3.		
TYPE OF ACTION REQUESTED	RESOLUTION	FORMAL ACTION/ MOTION	INFORMATIONAL /OTHER
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

#### **BACKGROUND / EXPLANATION OF IMPACT**

The construction bid documents originally included rebuilding two pump stations: Geneva and Par. However, due to permitting delays, the District will not be able to do any work on Geneva in 2018. An addendum was issued to bidders that deleted all work related the Geneva Sewer Pump Station, leaving Par Sewer Pump Station Improvements.

The project was advertised in the Bellingham Herald on March 1, 2018. Two addenda were issued. Bids were opened April 12, 2018. Three bids were received.

The apparent low bidder, Award Construction, Inc., meets the State's Mandatory Bidder Responsibility criteria and the District's Supplemental Bidder Responsibility criteria.

**FISCAL IMPACT**

The 2018 approved budget includes \$400,000 for the construction contract. The low bid total contract amount is \$446,586 including 8.5% sales tax, if all of the unit price work is performed.

There are sufficient capital improvements funds that can be reallocated to increase the budgeted construction amount.

**RECOMMENDED BOARD ACTION**

See proposed motion.

**PROPOSED MOTION**

Move to:

- Award the Par Sewer Pump Station Improvements to Award Construction, Inc., for a total contract price of \$446,586 including 8.5% sales tax
- Adjust the 2018 capital improvement plan construction contract budget for this project from \$400,000 to \$450,000
- Authorize the General Manager to execute the contract.

Lake Whatcom Water and Sewer District  
Par Sewer Pump Station Improvements  
Bid Tabulation  
Date: 4/12/18 2:05 PM

Apparent Low

Other Bidders

BASE BID ITEMS (INCLUDED IN BASIS OF AWARD)

Item	Description	Units	Quantity	Engineers Estimate		Award Construction, Inc		Equity Builders LLC		Boss Construction, Inc.	
				Unit Price	Extended	Unit Price	Extended	Unit Price	Extended	Unit Price	Extended
A.1	Mobilization and Demobilization	LS	1	\$ 30,000.00	\$ 30,000.00	\$ 35,500.00	\$ 35,500.00	\$ 38,000.00	\$ 38,000.00	\$ 46,297.00	\$ 46,297.00
A.2	Par Sewer Pump Station Improvements	LS	1	\$ 360,000.00	\$ 360,000.00	\$ 355,500.00	\$ 355,500.00	\$ 383,000.00	\$ 383,000.00	\$ 397,045.00	\$ 397,045.00
A.3	Trench Safety and Shoring	LS	1	\$ 1,000.00	\$ 1,000.00	\$ 5,000.00	\$ 5,000.00	\$ 500.00	\$ 500.00	\$ 6,012.00	\$ 6,012.00
A.4	Unscheduled Excavation	CY	50	\$ 30.00	\$ 1,500.00	\$ 60.00	\$ 3,000.00	\$ 22.00	\$ 1,100.00	\$ 68.65	\$ 3,432.50
A.5	Unscheduled Backfill	TN	100	\$ 25.00	\$ 2,500.00	\$ 36.00	\$ 3,600.00	\$ 22.00	\$ 2,200.00	\$ 89.91	\$ 8,991.00
A.6	Miscellaneous Owner Directed Extra Work	LS	1	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
A.7	Operation and Maintenance Manuals and On Site Owner Training	EA	1	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00	\$ 2,500.00
A.8	Construction Records	LS	1	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00
SUBTOTAL (ITEMS A.1-A.8)					\$ 404,000.00	1.9%	\$ 411,600.00	7.4%	\$ 433,800.00	16.5%	\$ 470,777.50

Bid Proposal	
Bid Bond	
Addendum 1 Acknowledgement	
Addendum 2 Acknowledgement	

	X
	X
	X
	X

	X
	X
	X
	X

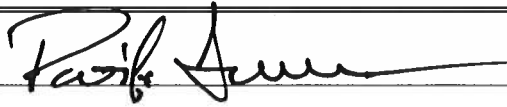
	X
	X
	X
	X



## LAKE WHATCOM WATER AND SEWER DISTRICT

### AGENDA BILL

#### Item 5.B.

DATE SUBMITTED:	April 18, 2018	MEETING DATE:	April 25, 2018
SUBJECT:	Commissioner Applications – Position 4		
TO: BOARD OF COMMISSIONERS	FROM: Rachael Hope		
GENERAL MANAGER APPROVAL			
DISTRICT ENGINEER/ASST MGR APPROVAL			
FINANCE MANAGER APPROVAL			
ATTACHED DOCUMENTS	1. EJ Ledet Application		
	2. Larry Brown Application		
	3. Jack McBride Application		
TYPE OF ACTION REQUESTED	RESOLUTION <input type="checkbox"/>	FORMAL ACTION/ MOTION <input type="checkbox"/>	INFORMATIONAL /OTHER <input checked="" type="checkbox"/>

#### **BACKGROUND / EXPLANATION OF IMPACT**

Commissioner Curtis Casey issued his resignation effective April 1, 2018. The Board has ninety days from the occurrence of the vacancy to appoint a qualified person to fill the vacancy.

The opening was advertised by direct mail announcement, announcement on the District website, in the Sudden Valley Views, on the SVCA website, and through word of mouth.

The District received three applications for the position, which are attached.

#### **FISCAL IMPACT**

N/A

#### **RECOMMENDED BOARD ACTION**

Review the applications and consider timing for scheduling interviews.

#### **PROPOSED MOTION**

N/A

## General Inbox

---

**From:** Enoch J Ledet <ejlemail@icloud.com>  
**Sent:** Tuesday, March 20, 2018 9:06 AM  
**To:** General Inbox  
**Subject:** Application for Board Commissioner Position 4 Vacancy  
**Attachments:** attachment 1.docx; ATT00001.txt

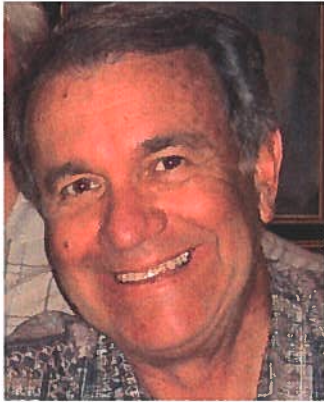
I'm applying for the position 4 vacancy .

My name is EJ Ledet and I have lived in Sudden Valley since August of 2003. I have attended several LWWSD , Whatcom County Council, and Lake Whatcom Management Team Meetings , written articles in Sudden Valley Views and Whatcom Watch , and was a founding member of the Sudden Valley Science Team studying LW. I am an advocate for improving LW and Drinking Water Quality.

I'm a retired Laboratory Quality Assurance Manager Chemist and worked as a Product Quality Focal Point for Shell Oil Company for 37 years. I own my own consultant business ( Product Assurance LLC based in Bellingham ) and also work for Stillwater Associates, a contract consultant engineering firm in Irvine CA. I have an undergraduate degree in Biology (1970) and a MS degree in Biochemistry (1972) both from University of New Orleans formerly LSUNO.

I feel that my technical background and experience/interest in improving water quality and training/knowledge/experience in problem solving can add value to LWWSD board.

Respectfully,  
EJ Ledet  
[enoch.ledet@gmail.com](mailto:enoch.ledet@gmail.com)  
360-738-0925  
Attachments



Enoch J. (E.J.) Ledet - Product Assurance, LLC.

#### **CAREER PROFILE:**

Enoch J. (E.J.) Ledet specializes in Ensuring Product Integrity in both laboratory and field operations management and in the design and use of laboratory quality assurance (QA) systems based on ISO Laboratory Guide 17025, including testing Statistical Quality/Process Control (SQC/SPC), and Causal Analysis Investigations. E.J. draws on 40+ years of experience with Stillwater Associates, Shell Oil, Motiva, Equilon, Equiva Enterprises, and Shell Development Companies. His Shell service included analytical support and management for oil refinery process chemistry, fuels and lubricants support, environmental/toxicology analytical support, detergent chemistry formulations, antifreeze research, enhanced oil recovery detergents discovery, managing refinery laboratory Quality Assurance in three Shell refineries, development and management of ISO-based refinery QA systems (Ensure Quality Product Standard Focal Point, Quality Systems Manual implementation and instruction for several Shell US Refineries). He was Research Manager in the Analytical Directorate at Westhollow Research Center in Houston and was responsible for Analytical Quality Assurance and Chromatographic Separations Departments. E.J. was a Senior Staff Product Quality Specialist for Shell Oil and Motiva Enterprises and supported Distribution Terminals (100 Equity and 300 Outside Supply), Shell Pipeline (West Coast, Midwest), and Retail (Shell and Texaco) Service Stations. He was responsible for gatekeeping Federal EPA Standards and preparing annual Reformulated Gasoline Specs for Refining, Transportation (Distribution and Pipelines), and Retail Business Service Stations. He worked with Shell Legal to resolve EPA NOVs (notices of violations) in Shell Terminals and Retail/Wholesale Service Stations. E.J. was part of Equiva Enterprises' Business Integration Team which was responsible for investigating and resolving billing and invoice errors which occurred when Shell and Texaco implemented SAP. He was Root Cause Analysis Manager and was the lead investigator for helping to resolve many of Shell's billing errors and resolving a major fuel product quality issue on the MagTex pipeline.

After retiring from Shell in February, 2012, E.J. formed his own business, Products Assurance LLC. E.J. intends to utilize his ISO 17025 expertise to improve product quality/integrity in the petrochemical industry and causal analysis investigative support.

**Enoch J. Ledet**

**Qualifications and Experience**

**2013- Present- Contract Senior Consultant for Stillwater Associates**

**2012- Contract Chemist Consultant to Saudi Aramco for RAS Tanura Clean Fuel & Aromatics Laboratory Assessment Study**

**2012- Present - Product Assurance, LLC - owner/Product Quality Specialist;**

**2003-2012 Shell Puget Sound Refinery 8+ years Quality**

Measurements Manager – Product Quality Focal

Point for Refinery; Root Cause Analysis Leader/Investigator

of Refinery Product Quality Incidents – work with Fuels

Product Management, Supply, Pipeline, Distribution, and

Retail/Wholesale Customers to resolve product quality

incidents. Implemented Shell Ensure Quality Standard at Puget and

wrote Quality Systems Manual for Refinery. Exchange auditor for ISO17025

for Motiva and Shell US Refineries. Retired from Shell Oil in Feb, 2012.

**1994-2003 Shell Oil Products/Motiva/Equilon/Equiva 9 years Product Assurance Specialist/Manager/Auditor/Support to Distribution (100 Equity and 300 OSPs Terminals), Pipelines,**

Retail/Wholesale Service Stations (24,000) – responsible

for gas, diesel, jet product assurance; gatekeeper of Federal,

State, Municipal Regulations; Negotiator with Legal on EPA

Notices Of Violations; Root Cause Analysis Practitioner/Facilitator/Manager

For Business Integration Team (Supply, Refineries, Pipelines, (Gasoline, Diesel, Jet,

LPG, MFO, Terminals, and Retail/Wholesale Service Stations) – root cause team

leader/investigator for resolution of fuel product quality incidents (Exxon MagTex,

Shell PL, Exxon Beaumont, Port Arthur Motiva, Hearne, and College Station



Terminals.

**1992-1994 Shell Anacortes Refinery -2 years as Lab Quality**

Assurance Manager responsible for Product

Assurance/Compliance/Testing

**1979-1992 Shell Development /Shell Global Solutions-Westhollow Technology**

Center–13 years Analytical/Process

Chemistry R&D Support to Toxicology; Analytical Support to:

(Chromatography, Product Quality Assurance (Gas, Diesel, Jet);

Detergents; Antifreeze; Environmental (Air, Water, Hazardous Waste);

Research Manager – Supporting Hydrocarbon Processes,

Fuels and Lubricants, and Environmental Engineering Departments.

**1974-1979 Shell Norco Refinery –5 years Chemist/Process Chemist Support to**

Distillation, Alkylation, Cat Cracking, Environmental

**1966-1974 Education: BA/MS Degrees in Biochemistry**

University of New Orleans/Tulane University

30 hrs towards PhD

2 years Graduate Assistant/Associate - Gulf Research Consortium

**Societies:** ASTM D-2 Subcommittee Participant

Gulf Coast Conference; Pittsburgh Conference

Paper Presenter

**Publications:** 8 External Papers; 150 Internal Shell Oil Reports

**Awards:** 7 Shell Special Recognition Rewards

Presidents Team Excellence Award

**Patents:** 5,031,698 – Enhanced Oil Recovery

**Residence:** 6 Morning Beach Drive

Bellingham, WA 98229

Division 37 Lot 9

Sudden Valley Resident since August 2003

SV Lake Whatcom Science Committee Member since 2005

**Phone:** Cell 360-738-0925

**Email:**    enoch.ledet@gmail.com

## General Inbox

---

**From:** L.W. Brown <lwb@mac.com>  
**Sent:** Monday, March 19, 2018 1:06 PM  
**To:** General Inbox  
**Cc:** Patrick Sorensen  
**Subject:** Application, LWWSD Commission Vacancy  
**Attachments:** ATT00001.htm; LWWSD-applic.pdf.pdf; ATT00002.htm; CV-Res`18.pdf.pdf; ATT00003.htm

Attached is my application for appointment to the Board of Commissioners to fill the announced vacancy in Position #4 for the Sudden Valley Area.

Laurence W. (Larry) Brown,

Sudden Valley, Division 16

[LwBrown@Mail.com](mailto:LwBrown@Mail.com)

240-383-7077

---

### Total Control Panel

[Login](#)

To: [general.inbox@lwwsd.org](mailto:general.inbox@lwwsd.org)

Message Score: 1

High (60): Pass

From: [lwb@mac.com](mailto:lwb@mac.com)

My Spam Blocking Level: Medium

Medium (75): Pass

Low (90): Pass

[Block](#) this sender

[Block](#) mac.com

*This message was delivered because the content filter score did not exceed your filter level.*

March 18, 2018

Board of Commissioners  
Lake Whatcom Water and Sewer District  
1220 Lakeway Drive  
Bellingham, WA 98229

Dear Commissioners,

I am applying for appointment to the Commission to fill the announced vacancy in Position #4 for the Sudden Valley Area, serving at least until the election of Fall 2019.

I moved to Whatcom County as a resident owner-Member of the Sudden Valley Community Association (Division 16) in late June 2011. I then got active in County issues in 2012, most particularly as a member of the SVCA Board of Directors starting in October that year, first by appointment, then as elected to a full (3-year) term the next month. I became SVCA representative to the Lake Whatcom Policy Group starting in 2012, even before SVCA had an official seat within that Group. I have worked fairly closely with the District while on the Group, particularly with ex-Commissioner McRoberts, as well as General Manager Sorensen.

My goal in seeking membership on the Commission is primarily to continue the progress that has been made in coordination between the activities of SVCA and the District, to make the most efficient use of the funds of both entities. Moreover, I am fully committed to actively furthering progress towards ensuring that Lake Whatcom remains a reliable source of clean drinking water for the largest population segment in Whatcom County, and that the Lake is seen to be an exemplar for environmental protection among populated, multi-use water basins. I also have experience with critical infrastructure issues that may prove to be of some use.

Sincerely yours,

Larry Brown

Laurence W. Brown  
37 Deer Run Lane  
(Sudden Valley, Division 16)  
Bellingham, Washington 98229-7608

LwBrown@Mail.com

cell: 240-383-7077

## **Laurence W. Brown**

37 Deer Run Lane  
Bellingham, WA 98229-7608  
Cell: 240/383-7077  
< [LwBrown@Mail.com](mailto:LwBrown@Mail.com) >

Specialize in creating coalitions, arriving at consensus results among diverse perspectives and advocating consensus positions through negotiated processes in order to achieve satisfactory results. Expertise in critical infrastructure protection and information security, electric sector, as well as natural gas, chemical, and IT.

### **SIGNIFICANT ACCOMPLISHMENTS:**

#### **Sudden Valley Community Association, 2013-2014**

Led this large community (about 7000 residents) through two transitions, first to a management company to reintroduce professional management concepts, then back to self-management, to cost-effectively refine and consolidate those accomplishments.

#### **Electric Industry Operational-Data Sharing Agreement, 2008-2010**

Drafted information sharing and confidentiality agreements, for the industry and researchers, regarding advanced operational and reliability data created by modern "smart transmission grid" monitoring equipment (synchrophasors).

#### **Electric Industry Cyber-Security Standards, V.1, 2002-2006**

Provided legal advice and drafting assistance during the 4-year process of creating the first comprehensive set of cybersecurity standards adopted by the industry in May 2005 and approved conditionally by the Federal Energy Regulatory Commission.

#### **Homeland Security Act of 2002: Critical Infrastructure Information Act of 2002; Critical Infrastructure Information Security Act of 2001 (Senate); Critical Infrastructure Information Act of 2001 (House); Cyber Security Information Act (House, 2000 and 2001)**

Principal drafter and negotiator of a comprehensive mechanism that, by such means as shielding sensitive corporate information from inappropriate disclosure, would encourage voluntary sharing with the federal government of vital information intended to be used to avoid and remedy sabotage, terrorism, and "cyber" or "hacker" attacks.

#### **North American Electric Reliability Council**

##### **Critical Infrastructure Protection Committee (CIPC) 2002-2007**

##### **Critical Infrastructure Protection Advisory Group (later "CIPC") 1998-2002**

Early member of this group; helped create the Electric Sector Information Sharing and Analysis Center (ES-ISAC) in 2001 with the FBI; advised leadership of the CIPC as it became the Electric Sector Coordinating Council (ES-SCC) to work with DHS and DOE on security issues; advised the inter-SCC group "PCIS" (Partnership for Critical Infrastructure Security) on information sharing/security issues.

#### **Year 2000 Information and Readiness Disclosure Act (IRDA), 1998**

##### **Year 2000 Act (Y2K Act), 1999**

Primary drafter and negotiator of historic 1998 legislation (IRDA) designed to promote the broad, public dissemination of vital, yet legally sensitive, information intended to be used to avoid potential adverse impacts of the Y2K/Millennium Bug; worked to organize broad utility-industry support for and participation in the successful utilization of the processes authorized by IRDA.

Following on the passage of IRDA, drafted portions of and worked to pass the Y2K Act, providing general protection from Y2K-related litigation; ensured the Act contained provisions specifically designed to specifically protect utilities and other critical infrastructure providers.

## **RESUME:**

November 2012 — November 2015; November 2016 — Present

**Board President, Sudden Valley Community Association**  
Bellingham, WA

SVCA has about 7000 residents (would be fourth largest town in county): thousands of homes, 9 condominiums, 2 pools, golf course, parks and trails, 40 miles of road, acres of forested land, etc.; as President, and between terms, SVCA representative to Lake Whatcom Policy Group (environmental/drinking water protection) and Whatcom Council of Governments.

February 2007 — June 2011

**Principal, WBC Holdings**  
Cabin John, MD

Since founding WBC Holdings in 2007, worked with major entities on IT security, confidentiality and customer issues in the electricity and telecommunication industries.

May 2001 — January 8, 2007

**Director, Legal Affairs, Retail Energy,**  
Office of General Counsel  
Edison Electric Institute, Washington, D.C.

**Areas of Responsibility:** Heightened focus on protecting utility infrastructure from terrorism, sabotage, "cyber" and information warfare, etc. as well as electric system reliability in preparation for and after disasters.

May 15, 1989 — May 2001

**Senior Attorney, EEI OGC**

October 1988 — May 15, 1989

**Counsel, General Counsel's Office**  
Delmarva Power and Light Company, Wilmington, Delaware

September 1982 — October 1988

**Trial Attorney, Public Utilities, Office of General Counsel**  
Federal Energy Regulatory Commission, Washington, D.C.

## **MEMBER:**

State Bar of Texas, 1982-present

## **EDUCATION:**

J.D., Hastings College of the Law, San Francisco, CA, 1982

A.B. (B.A.), The University of Chicago, 1977

JOHN J. MCBRIDE  
11 BOGEY LANE  
BELLINGHAM, WA 98229

April 5, 2018

Mr. Patrick Sorensen  
General Manager  
Lake Whatcom Water & Sewer District  
1220 Lakeway Drive  
Bellingham, WA 98229

Dear Mr. Sorensen:

**SUBJ: Board of Commissioners Vacancy Position #4**

The purpose of this letter is to apply for consideration to fulfill the remainder of the term on the Board of Commissioners for District 4.

**BACKGROUND**

My wife and I purchased our home and moved to Bellingham, and Sudden Valley, in August 2016. Prior to that time we lived in Modesto, California for nearly thirty years. Originally the Gallo Winery brought me to CA to be their Vice-President of Advertising. Prior to that I had done advertising for McDonald's, General Mills, Wrigley and Polaroid.

After five years with Gallo, I left and launched McBride & Associates: a Marketing Communications Management Consulting firm. In that business I worked with H-P, Apple, Intel, Pacific Bell, Visa, Qualcomm, Nvidia, Universal Studios, Baskin-Robbins and others. I provided counsel in the Evaluation, Selection, Management and Compensation of all their marketing communications resources. I also wrote and negotiated the contracts with most of their marketing vendors.

In 2008 I closed down my consulting business and launched McBride PhotoGraphics, a business that I continue to operate. My website showcases my activities in detail and the "What's New" page documents my move to B'ham. Here's a link to that page on my web site: [www.mcbridephotographics.com/whatsnew.html](http://www.mcbridephotographics.com/whatsnew.html).

**WHY I AM APPLYING FOR THIS POSITION**

Since coming to Bellingham, I have become active in ReSource and have spoken at several County Council meetings in defense of the natural resources in Whatcom County. Last year I was appalled at the fireworks display on and over the Lake that I witnessed from my home in Sudden Valley. I was also dismayed to see all the fireworks residue that was left behind in the Sudden Valley dog park on the lakefront.

Page Two

When I took my concerns to the SVCA Board I received a "ho-hum" response. Since then some other residents have taken up the cause, but it still hasn't resulted in any action. Clearly the SVCA needs some outside incentive to address this issue re: the Lake. Attached is my correspondence on that subject, plus an OpEd from the *Sudden Valley Views*.

Lake Whatcom is a priceless resource that Bellingham, and particularly all the lake front communities, depend upon. For that reason I am interested and willing to devote my time and energy to assisting the Water & Sewer District Board in managing and protecting it. In California I worked with the progressive members of our local Irrigation District to help convince residents of the wisdom of an 80 acre solar farm not far from my house. (The Irrigation District there also provided local electrical service.)

Finally I am a graduate of the University of Notre Dame and a former U.S. Naval Officer. Let me know if you have any further questions or if you would like me to stop in for an interview. My phone number is: 360-922-7570.

Sincerely,



Jack McBride

JJM:tth

Attachments:

Ltr. to SVCA Board

OpEd from SV Views

Voter Registration & Passport



TO: SVCA Board of Directors

July 13, 2017

FROM: Jack McBride, 11 Bogey Lane

CC: Mitch Waterman

SUBJ: 4th of July Fireworks

#### BACKGROUND

This year's 4th of July celebration was my first as a Sudden Valley resident. We live at the end of Bogey Lane off Windward Drive adjacent to the 12th fairway on the golf course: about two blocks above Lake Whatcom and roughly the same distance north of the Marina. The second floor windows on our home have a tree-restricted view of the lake. (FYI because no one can see into our bedroom windows without using a drone, we have no drapes on them, preferring to wake up with the sunrise,)

#### FIREWORKS

At about 9:45 pm the fireworks show began directly east and below our bedroom windows, lighting up the sky through, and above the trees, between my home and the lake. My dogs were already frightened by the explosions going off all around us and the bullets being fired up into the air from the Marina. But it was the sky rockets visible through our bedrooms windows that sent them into full-flight mode. They ran for the garage and wanted to hide in the car. I didn't expect the fireworks show to last more than 15-20 minutes. But the sky rockets kept coming about every 15 seconds until after 11:00 pm.

#### CONSEQUENCES

There were probably one or two individual lakefront homeowners who paid for, and staged, this annoying, childish prolonged display of pseudo patriotism at the expense of everyone else within audio and visual range. This lack of consideration for their neighbors is notable in itself. But since they were launching all their pyrotechnic material into Lake Whatcom (the county's primary source of drinking water), it deserves further scrutiny.

Fireworks contain a long list of elements that are toxic to humans and wildlife. Their smoke and dust contain various heavy metals, sulfur-coal compounds and other noxious chemicals. Barium, for instance, is used to produce brilliant green colors despite being poisonous and radioactive, Copper compounds used to produce blue colors contain dioxin, which has been directly linked to cancer. Cadmium, lithium, antimony, rubidium, strontium, lead and potassium nitrate are also commonly used to produce specific effects and all of these are elements are known to produce adverse health and respiratory effects in humans too.

SUBJ: 4th of July Fireworks

Page Two

NEXT STEPS FOR 2018

I plan to file a complaint with the Whatcom County Environmental Control Board. But I would also like the SVCA to consider some restrictions on the use of fireworks in our community in future years. A sixty minute fireworks show is way more than what should be tolerated.

Jack McBride  
11 Bogey Lane  
Bellingham, WA 98229  
360-922-7570  
jack@mcbridephotographics.com

jjm:tth

# VIEWS

## SUBMISSIONS

SV Views  
P.O. Box 153  
Lynden, WA 98264  
fax to: (360) 354-4445  
e-mail: svviews@lyndentribune.com  
or drop off at SVCA admin office

## POLICY

- The Sudden Valley Views welcomes letters to the editor on topics of current news interest to six times per calendar year
- Letters of up to 350 words are allowed.
- The editor will edit for style and libel.

## OPINION

# July 4th without fireworks?

## EPC recommends going without fireworks in Sudden Valley

By Owen Bamford  
Emergency Preparedness Committee

July 4 and fireworks go together. In every big city, tons of pyrotechnics are shot off by professionals, safely but at enormous expense. And there are the fireworks that people buy, legally and illegally, to set off with neighbors and friends. When backyard fireworks were banned in Bellingham, people looked for somewhere else to set them off. Years ago Sudden Valley used to have a sponsored fireworks display, so that was the obvious place to come. And over the years, more and more people have brought more and more fireworks to the Sudden Valley marina. In time the celebration became an occasion for drinking and illegal fireworks, and in self-defense, Sudden Valley stepped in to control the worst excesses, with demarcated areas, volunteer safety patrols, extra security, and firework inspection.

It was expensive and a lot of work, but it was effective, and the next year's celebration passed off without serious incident. As a result, the next year even more people came, and the situation started to get out of control again. There wasn't enough parking space, and traffic control was impossible. There is no practical way to control access to the marina, especially after dark, and some dangerous fireworks were brought in. Too many people were too close to too many fireworks. We were just lucky that nobody was seriously injured.

And there's the problem. We can't go back to anarchy as before, but if Sudden Valley organizes the event, it becomes our responsibility. If someone is injured, Sudden Valley is liable, and that means Sudden Valley homeowners. An accident would cost us all serious money. Do we want to take that risk?

Even if you ignore the issue

of safety and liability, there are other arguments against having fireworks. Overtime cost for maintenance staff and security is significant. After all the rain this winter, it is hard to imagine a fire hazard, but by July it may look very different. Dry grass burns easily, and a misdirected firework could start a fire that was out of control in minutes. Fireworks leave literally thousands of pieces of burnt cardboard and plastic debris, which have to be picked up the next day. Finding volunteers for this back-breaking task is not easy. And then there is the issue of lake pollution. All the debris that doesn't fall on land falls in the lake, so we are adding an unknown amount of unknown chemicals to our drinking water supply, at a time when the lake water quality is declining. It doesn't make a lot of sense.

Fireworks on July 4 would expose us all to serious liability, dump huge amounts of trash in the lake and marina, and could create a fire hazard. Fireworks may be traditional, but maybe it's time to think of other ways to celebrate our nation's birthday.

## 2018 Membership is 25 percent off if members renew 2019

By Brian Kruhlak  
Director of Golf, Sudden Valley Country Club

If you are a golfer but not a member of the golf club, this year to become a member, have recently launched a membership drive aimed at our property owners. We are offering 2019 owner memberships at the regular price! There is no commitment beyond 2018 but members choose to renew memberships will be at 25% property owner taking advantage of this offer wouldn't be required to pay regular membership rate 2020!

It is my belief that there are many golfers living in Sudden Valley who for a variety of reasons yet to take advantage of our memberships. My sincere hope is that an offer like this one is enough to encourage these people to try a year or two of membership to see if it makes sense for them. Regular prices a full membership in Sudden Valley only require 35 rounds of golf per year for itself, so at half price, just 2 rounds per month with the threshold being so low in respect to number of rounds.

# A primer on SVCA acronyms

AB - Administration Building  
AC - Adult Center  
ACC - Architectural Control Committee  
ACR - Adult Center Small Room  
ACS - Adult Center Studio  
AGM - Annual General Meeting  
BOD - Board of Directors  
CC - Community Center

Conditions & Restrictions  
GRRRF - Capital Repair and Replacement Reserve Fund  
DB - Dance Barn  
EIS - Emergency Information System  
EPC - Emergency Preparedness Committee  
FTE - Full Time Employees  
GM - Sudden Valley's

HOA - Home Owner Association  
LBR - Library  
LRP - Long Range Planning Committee  
MOU - Memorandum of Understanding  
MPR - Multi-Purpose Room  
N&E - Nominations and Elections  
NOV - Notices of Violation

## El Agave Sweethea

Special Fajita Dinner for \$14.99



McBRIDE  
 PhotoGraphics

Fine Art Photography  
 Jack@McBridePhotoGraphics.com 360-922-7570  
 www.McBridePhotoGraphics.com

Debbie Adelstein, Whatcom County Auditor  
 Election Division / Voter Registration  
 311 Grand Ave #103 • Bellingham WA 98225

Return Service Requested

OFFICIAL  
 ELECTION MAIL  
Authorized Mail Only Series

PRESORTED  
 FIRST-CLASS MAIL  
 U.S. POSTAGE PAID  
 PERMIT NO. 106  
 BLAINE, WA

## You are registered to vote

Your previous registration card contained an error. Please discard the previous card and use this one instead.

To update your residential address, see the back of this card.

Retain this card for your records.  
 Destroy any previous voter card you may have.

B4C1 P1  
 001271

### Voter Registration Card *Your ballot will arrive by mail.*

Residence: 11 Bogey Ln

Whatcom Co. voter since: 8/23/2016

Precinct: 176

State Leg. District: 40

Voter ID number: 394107

US Congress District: 2

County Council District: 1

JOHN JAMES MCBRIDE  
 11 BOGEY LN  
 BELLINGHAM WA 98228-7901

AUTO





## LAKE WHATCOM WATER AND SEWER DISTRICT

### AGENDA BILL

Item 5.C.

DATE SUBMITTED:	April 19, 2018	MEETING DATE:	April 25, 2018
SUBJECT:	Monthly Budget Analysis		
TO: BOARD OF COMMISSIONERS	FROM: Debi Denton		
GENERAL MANAGER APPROVAL			
DISTRICT ENGINEER/ASST MGR APPROVAL			
FINANCE MANAGER APPROVAL			
ATTACHED DOCUMENTS	1. Monthly Budget Through 3/31/2018		
	2.		
	3.		
TYPE OF ACTION REQUESTED	RESOLUTION <input type="checkbox"/>	FORMAL ACTION/ MOTION <input type="checkbox"/>	INFORMATIONAL /OTHER <input checked="" type="checkbox"/>

#### **BACKGROUND / EXPLANATION OF IMPACT**

Information only.

#### **FISCAL IMPACT**

N/A

#### **RECOMMENDED BOARD ACTION**

N/A

#### **PROPOSED MOTION**

N/A



## LAKE WHATCOM WATER AND SEWER

### INVESTMENTS/CASH AS OF 03/31/2018

Petty Cash		\$	1,600.00		
Cash		\$	416,763		0.50%
401 Restricted (Operating Reserve) Public Funds Account		\$	600,865		1.30%
401 Restricted (Operating Reserve) LGIP		\$	603,305		1.43%
			PAR VALUE		YIELD
FNMA - ProEquity	Callable	\$	1,007,665	Jul-18	1.00%
FICO - ProEquity	Non-Callable	\$	440,000	Aug-18	0.91%
FICO - ProEquity	Non-Callable	\$	625,000	Dec-18	0.90%
FFCB - ProEquity	Callable	\$	500,000	Oct-19	1.44%
FFCB - ProEquity	Callable	\$	750,000	Aug-20	1.10%
US Bank		\$	3,322,665		
<b>TOTAL</b>		<b>\$</b>	<b>4,945,198</b>		
401 \$1,375,000					
Restricted (Sewer Contingency)	425 \$	750,000			
Restricted (Water Contingency)	426 \$	440,000			
Reserved (Bond Reserve)	460 \$	750,000			

+



## LAKE WHATCOM WATER AND SEWER FUND SUMMARY 2018

	401	420	425	426	431	450	460	
	OPERATING	SYSTEM REINVESTMENT	SEWER/STORM WATER CONTINGENCY	WATER CONTINGENCY	2016 BOND FUND	DEBT SERVICE	BOND RESERVE (RESTRICTED)	TOTAL
2018 REVENUES AND TRANSFERS IN	1,638,147	-	-	-	183,450	362,070	-	2,183,667
2018 EXPENDITURES AND TRANSFERS OUT	(1,644,148)	(246,416)	(16,459)	-	-	(362,069)	-	(2,269,092)
CASH/INVESTMENTS 2017 CARRYOVER	2,131,222	520,357	770,229	440,000	396,681	-	772,334	5,030,823
ALLOCATED TO OPERATING RESERVES	\$2,125,221 -\$850,000 \$1,275,221	\$273,942	\$753,770	\$440,000	\$580,131	\$1	\$772,334	\$4,945,398

## LAKE WHATCOM WATER AND SEWER REVENUE

OPERATING FUND - 401			
Description	Budget 2018	ACTUAL 3/31/2018	
25%			
REVENUES			
401-343-40-10	Water Sales Metered (8.5% base rate increase) *	2,437,545	566,307
401-343-41-10	Permits (10 new connection permits)	143,480	23,821
401-343-50-11	Sewer Service Residential (2.5% rate increase) *	3,949,323	979,883
401-343-50-19	Sewer Service Other	4,000	1,025
401-343-50-80	Latecomer's Fees	-	6,772
401-343-81-10	Combined Fees	30,000	7,466
401-359-90-00	Late fees	50,000	15,568
401-361-11-00	Investment Interest	20,000	12,376
401-361-40-00-80	ULID 18 Interest/Penalties	8,000	1,297
401-368-10-00-80	ULID 18 Principal Payments	50,000	6,256
401-369-10-00	Sale of scrap metal and surplus	1,000	1,615
401-369-10-01	Miscellaneous	-	3,761
401-395-10-00	Sale of Capital Assets	-	12,000
401-395-20-00	Insurance recovery	-	
TOTAL REVENUES		6,693,348	1,638,147
			24%



LAKE WHATCOM WATER AND SEWER EXPENDITURES		BUDGET 2018	3/31/2018
Description			25%
<b>OPERATING FUND - 401</b>			
<b>EXPENDITURES</b>			
401-53X-10-10	Admin Payroll (3% cola plus step increases - 2018)	652,846	170,066
401-53X-10-20	Admin Personnel Benefits (Medical, Retirement etc)	274,332	74,972
401-53X-10-31	Gen Admin Supplies/Equipment	30,000	5,742
401-53X-10-31-01	Meetings/Team building	3,000	1,286
401-53X-10-40	Web pay/Bank Fees	30,000	8,770
	Interlocal - Lake Whatcom Management Program (City)		
	Interlocal - Invasive Species (City)		
	Interlocal - Lake Whatcom Tributary Monitor (County)		
401-534-10-41	Water Quality Assurance Programs (TOTAL)	55,000	50,000
	Simplifile (County Auditor Filing Fees)	6,500	
	Data Bar (Statement processing)	25,000	
	Answering Service	2,000	
	Data Pro (Time clock system)	2,000	
	BIAS Financial Software Maintenance	8,000	
	Web Check services	5,000	
	CPA (Internal audit and Financial statements)	6,000	
	WA State Audit	9,000	
	Salary study	15,000	
	Docuware/Web site maintenance and upgrade	5,000	
	Legal Counsel	100,000	
	3D - Computer support	25,000	
	3D - Firewall renewal	15,000	
	3D - Anti virus subscription	1,000	
	Building security for offices	1,500	
	Building custodial	9,500	
	Pest control	500	
	Landscaping service	4,500	
	South Whatcom Fire (hydrant maintenance)	3,500	
	GE Scada System Software Maintenance - Operations	7,500	
	Wilson Engineering	20,000	
	Camera Van Software	1,500	
	SCADA/PLC Support - Engineering/Operations	5,000	
	Cartegraph - Engineering/Operations	6,000	
	Auto Desk - Engineering	1,000	
	GIS Partnership	1,000	
	Rockwell - Engineering/Operations	500	
	IT Pipes	1,500	

LAKE WHATCOM WATER AND SEWER EXPENDITURES		BUDGET 2018	3/31/2018
	Description		
	ESRI - ARC GIS	1,500	
	Innovyze - Engineering	2,500	
	Master Meter	2,000	
	Generator Load Testing	15,000	
	Cyberlock software	-	
	Whatcom County Emergency Management	20,000	
	Misc (Bid notices etc.)	5,000	
401-53X-10-41-01	Professional Services (TOTAL)	334,000	94,124
401-53X-10-42	Communication	50,000	14,206
401-53X-10-45	Admin Lease	2,000	-
401-53X-10-46	Property Insurance	140,000	-
401-53X-10-49	Admin Misc.	1,000	2,135
401-53X-10-49-01	Memberships/Dues	17,000	12,450
401-53X-10-49-02	WA State Dept of Revenue Taxes/Permits	205,000	56,888
401-53X-40-43	Training & Travel	35,000	10,351
401-53X-40-43-01	Tuition reimbursement	1,000	-
401-53X-50-31	Maintenance Supplies	150,000	47,519
401-53X-50-48	Operations Repair/Maint	190,000	31,207
401-53X-50-49	Insurance Claims	5,000	2,366
401-53X-60-41	Operations Contracted	8,500	1,177
401-534-60-47	Water City of Bellingham	40,000	10,978
401-535-60-47	Sewer City of Bellingham Treatment Fee	640,000	219,053
401-53X-80-10	Operations Payroll (3% cola plus step increases - 2018)	954,742	270,673
401-53X-80-10-01	Operations Capital Projects Payroll	-	-
401-53X-80-20	Operations Personnel Benefits (Medical, Retirement etc)	446,472	113,764
401-53X-80-32	Fuel	24,000	8,114
401-53X-80-35	Safety Supplies	10,000	928
401-53X-80-35-01	Safety Supplies Boots	2,500	-
401-53X-80-35-02	Emergency Preparedness	10,000	667
401-53X-80-47	General Utilities	208,000	73,676
401-53X-80-49	Laundry	4,000	966
	OPERATING EXPENDITURES	4,523,392	1,282,078

	<b>LAKE WHATCOM WATER AND SEWER EXPENDITURES</b>		
	<b>Description</b>	<b>BUDGET 2018</b>	<b>3/31/2018</b>
<b>TRANSFERS</b>	Transfers Out to System Reinvestment Fund 420	1,505,000	-
	Transfers Out to Sewer/Storm Water Contingency Fund 425	60,000	-
	Transfers Out to Water Contingency Fund 426	120,000	-
	Transfers Out to Debt Service Fund 450	938,885	362,070
	Transfers Out for Matching to Grant	200,000	
	<b>TOTAL EXPENDITURES</b>	<b>7,347,277</b>	<b>1,644,148</b>
<b>OPERATING FUND</b>	<b>OPERATING REVENUES</b>	<b>6,693,348</b>	<b>1,638,147</b>
	<b>EXPENDITURES</b>	<b>(7,347,277)</b>	<b>(1,644,148)</b>
	<b>2017 BALANCE CARRYOVER</b>	<b>1,750,000</b>	<b>2,131,222</b>
	<b>ALLOCATED TO OPERATING RESERVES</b>	<b>(850,000)</b>	<b>(850,000)</b>
		<b>246,071</b>	<b>1,275,221</b>

LAKE WHATCOM WATER AND SEWER EXPENDITURES		BUDGET 2018	3/31/2018
Description			
<b>SYSTEM REINVESTMENT FUND - 420</b>			
420-343-40-19	DEA Permits	-	
	WA State Emergency Mgmt Grant	1,500,000	
420-397-10-00	Transfers In from Operating Fund 401	1,505,000	-
	Matching for WA St Emergency Mgmt Grant	200,000	
	<b>TOTAL REVENUES</b>	<b>3,205,000</b>	<b>-</b>
420-534-10-41	DEA Contracted Services	-	
420-534-90-61	DEA Refunds	-	
	Active Projects to be completed in 2018		
	C14-07 Lowe Sewer Pump Station VFD	3,450	
	C15-04 Reservoir Site Security	1,950	
	C16-05 Water System Plan Update	16,775	14,953
	C16-10 Little Strawberry Water Leak on Bridge	10,000	
	C16-11 Country Club Pump Station	230,448	59,466
	C17-01 New Tool Truck		364
	C17-04 Server Hardware Replacement		14,465
	C17-05 Geneva and Par Sewer Pump Stations (Design)	631,225	106,146
	C17-06 Strawberry Canyon Generator		24
	C17-07 Beaver Flat Car Level Transmitter Replacement	47,500	
	C17-09 CMOM	25,000	
	C17-10 Eagleridge Booster Station - Fire Pump Controls	10,000	
	C17-13 Eagleridge Booster Station Decommission Pumps	45,000	
	C17-16B Geneva Booster Station PRVs, Backflow, Roof	34,550	3,751
	New 2018 Capital Projects		
	1801C Shake Alert	-	
	1802C Edgewater Pump Station Predesign and Permitting	100,000	878
	1802C Dellesta Pump Station Predesign and Permitting	100,000	
	1802C Euclid Pump Station Upgrades	31,825	
	1803C Camp Firwood ATS and Replace Fence	20,000	
	C18-04 SVWTP Turbimeter And Chlorine Analyzer	38,000	34,699
	C18-05 Radio Read Registers	284,000	1,912
	1806M Reservoir Inspection/Maintenance	30,000	
	1807C Light Duty Truck	35,000	
	1808C Tool Truck	65,000	



LAKE WHATCOM WATER AND SEWER EXPENDITURES		BUDGET 2018	3/31/2018
Description			
<b>SEWER/STORM WATER CONTINGENCY FUND - 425</b>			
425-361-11-00-25	Investment Interest ( to Operating Fund)	-	
425-397-10-00-10	Transfers In from Operating Fund 401	60,000	
	<b>TOTAL REVENUES</b>	60,000	-
425-535-10-42-25	Investment Service Charges	-	
425-594-38-63-25	North Shore Sampling C 16-07	60,000	16,459
425-594-38-64-25	Machinery/Equipment	-	
	<b>TOTAL EXPENDITURES</b>	60,000	16,459
<b>SEWER/STORM WATER CONTINGENCY FUND</b>			
	<b>REVENUES</b>	60,000	-
	<b>EXPENDITURES</b>	(60,000)	(16,459)
	<b>CASH/INVESTMENTS BALANCE CARRYOVER</b>	770,000	770,229
			753,770
<b>WATER CONTINGENCY FUND 426</b>			
426-361-11-00-26	Investment Interest (to Operating Fund)	-	
426-397-10-00-26	Transfers In from Operating Fund 401	120,000	
	<b>TOTAL REVENUES</b>	120,000	-
426-594-38-63-26	Water Tank Stabilization Grant Matching	120,000	
426-597-10-00-26	Transfer Out to Operating Fund 401		
	<b>TOTAL EXPENDITURES</b>	120,000	-
<b>WATER CONTINGENCY FUND</b>			
	<b>REVENUES</b>	120,000	-
	<b>EXPENDITURES</b>	(120,000)	-
	<b>CASH/INVESTMENTS BALANCE CARRYOVER</b>	440,000	440,000
			440,000

LAKE WHATCOM WATER AND SEWER EXPENDITURES		BUDGET 2018	3/31/2018
Description			
<b>2016 BOND CAPITAL PROJECTS FUND 431</b>			
431-397-10-00-43	Fund 430 balance		183,450
	<b>TOTAL REVENUES</b>	-	<b>183,450</b>
431-594-38-63-31	Geneva and Par Pump Station (Construction) C 17-05	590,000	
	<b>TOTAL EXPENDITURES</b>	<b>590,000</b>	-
<b>2016 BOND CAPITAL PROJECTS FUND</b>			
	<b>REVENUES</b>	-	<b>183,450</b>
	<b>EXPENDITURES</b>	(590,000)	-
	<b>CASH/INVESTMENTS BALANCE CARRYOVER</b>	590,000	396,681
			580,131



		LAKE WHATCOM WATER AND SEWER EXPENDITURES		
		Description	BUDGET 2018	3/31/2018
<b>DEBT SERVICE FUND - 450</b>				
450-397-10-00-70		Transfers In from Operating Fund 401 - Water loan projects	289,110	240,000
450-397-10-00-50		Transfers In from Operating Fund 401 - Bond payments	649,775	122,070
		<b>TOTAL REVENUES</b>	<b>938,885</b>	<b>362,070</b>
450-535-10-41-50		Bond Admin Fee	-	
450-591-34-77-41		Redemption of Long Term Debt Geneva AC Mains	119,937	
450-591-34-77-42		Redemption of Long Term Debt Div 22 Reservoir	53,831	
450-591-34-77-73		Redemption of Long Term Debt Loan 064	47,252	236,260
450-592-34-83-41		Debt Service Interest Geneva AC Mains	32,383	
450-592-34-83-42		Debt Service Interest Div 22 Reservoir	30,982	
450-592-34-83-73		Debt Service Interest Loan 064	4,725	3,321
450-591-35-72-50		2009 Bond Principal Payments	275,000	
450-591-35-72-51		2016 Bond Principal Payments	130,000	
450-592-35-83-50		2009 Bond Interest Payments	20,300	10,150
450-592-35-83-51		2016 Bond Interest Payments	224,475	112,338
		<b>TOTAL EXPENDITURES</b>	<b>938,885</b>	<b>362,069</b>
<b>DEBT SERVICE FUND</b>		<b>REVENUES</b>	<b>938,885</b>	<b>362,070</b>
		<b>EXPENDITURES</b>	<b>(938,885)</b>	<b>(362,069)</b>
		<b>CASH/INVESTMENTS BALANCE CARRYOVER</b>	<b>-</b>	<b>-</b>
				<b>1</b>



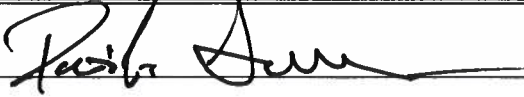
LAKE WHATCOM WATER AND SEWER EXPENDITURES		BUDGET 2018	3/31/2018
Description			
<b>BOND RESERVE FUND (RESTRICTED) - 460</b>			
460-397-10-00-60	Transfers In from Operating Fund 401		
	<b>TOTAL REVENUES</b>	-	-
460-535-10-41	Investment Service Charges	-	
	<b>TOTAL EXPENDITURES</b>	-	-
<b>BOND RESERVE FUND (RESTRICTED)</b>			
	<b>REVENUES</b>	-	-
	<b>EXPENDITURES</b>	-	-
	<b>CASH/INVESTMENTS BALANCE CARRYOVER</b>	772,350	772,334
			772,334



# LAKE WHATCOM WATER AND SEWER DISTRICT

## AGENDA BILL

Item 5,D

DATE SUBMITTED:	April 19, 2018	MEETING DATE:	April 25, 2018
SUBJECT:	Summary of Existing District Projects		
TO: BOARD OF COMMISSIONERS	FROM: Bill Hunter & Staff		
GENERAL MANAGER APPROVAL			
DISTRICT ENGINEER/ASST MGR APPROVAL			
FINANCE MANAGER APPROVAL			
ATTACHED DOCUMENTS	1. April 2018 Summary of Existing District Projects		
	2.		
	3.		
TYPE OF ACTION REQUESTED	RESOLUTION <input type="checkbox"/>	FORMAL ACTION/ MOTION <input type="checkbox"/>	INFORMATIONAL /OTHER <input checked="" type="checkbox"/>

### BACKGROUND / EXPLANATION OF IMPACT

Staff presentation of Summary of Existing District Projects and priorities

### FISCAL IMPACT

Not applicable at this time.

### RECOMMENDED BOARD ACTION

Review and discuss.

### PROPOSED MOTION

Not applicable at this time.



# Lake Whatcom Water & Sewer District Summary of Existing District Projects

Prepared for the April 25, 2018 Board Meeting  
Data Compiled 04/19/18 by RH, BH, RM & KH

Status of Water and System Capacities				
	South Shore ID# 95910	Eagleridge ID# 08118	Agate Heights ID# 52957	Johnson Well ID# 04782
DOH Approved ERUs	3935	85	54	2
Connected ERUs	3825	70	44	2
Remaining Capacity (ERUs)	112	15	10	0
Permitted ERUs Under Construction	22	0	0	0
Pre-paid Connection Certificates & Expired Permits	11	0	5	0
Water Availabilities (trailing 12 months)	51	0	0	0
Subtotal - Commitments not yet connected	84	0	5	0
<b>Available ERUs</b>	<b>28</b>	<b>15</b>	<b>5</b>	<b>0</b>

Completed Capital Projects in 2018	
Proj #	Project Name
C1704	Business Server Hardware Replacement
C1709	2017 Sewer Capacity Management Operation Maintenance
C1804	SVWTP Turbidimeters and Chlorine Analyzers
M1806	Water Facilities Inspection & Maintenance

State Required Report Status													
Monthly Reports													
Name Of Report		Completed											
Chlorination Report Agate Heights Prepared by: Kevin	Postmarked by the 10th of month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
		x	x	x	x								
Surface Water Treatment Rule Report (SVWTP) Prepared by: Kevin	Postmarked by the 10th of month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
		x	x	x	x								
Department of Revenue Prepared by: Debi	Due end of following month	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
		x	x	x									
Annual Reports													
Name Of Report	Deadline	Completed											
Community Right to Know (Hazardous Materials) Prepared by: Rich	March 31	February 14, 2018											

State Required Report Status (cont'd)					
Annual Reports					
Name Of Report	Deadline	Completed			
WA State Cross Connection Report Prepared by: Rich	May				
OSHA 300 Log Prepared by: Rich	February 1	January 23, 2018			
Water Use Efficiency Performance Report Prepared by: Kevin	July 1				
Consumer Confidence Reports Prepared by: Kevin	May	Geneva	SV	EagleR	Agate Ht
Hazardous Waste Activity Report Prepared by: Rich	March 31	Inactive site, no longer need to report			
Report Number of Sewer ERUs to City of Bellingham Prepared by:	January 15	March 21, 2018			
Other Reports					
Name Of Report	Deadline	Completed			
CPR/First Aid Training Coordinated by: Rich	Due Biennially Next Due 2019	May 24, 2017			
Flagging Card Training Coordinated by: Rich	Due Triennially Next Due 2019	August 3, 2016			

Safety Program Summary			
Completed by Rich Munson			
Summary of Annual Safety Training			
2018 Testing Period - Jan 1, 2018 to June 30, 2018			
	Enrollments	Completions	% Complete
Engineering - Managers	40	34	85%
Engineering - Staff	21	7	33%
Field Crew	206	136	66%
Office - Managers	30	15	50%
Office - Staff	52	30	58%
<b>Overall</b>	<b>349</b>	<b>222</b>	<b>64%</b>

Safety meetings for the field crew take place every Tuesday or Wednesday at 5:00 pm.

Dates of Completed Safety Committee Meetings		
Wednesday, January 17, 2018		
Thursday, February 15, 2018		
Thursday, April 12, 2018		

Summary of Work-Related Injuries & Illnesses					
	2018	2017	2016	2015	2014
<b>Total Number of Work Related Injuries</b>					
Defined as a work related injury or illness that results in:					
• Death					
• Medical treatment beyond first aid					
• Loss of consciousness	0	1	0	1	1
• Significant injury or illness diagnosed by a licensed health care professional					
• Days away from work (off work)					
• Restricted work or job transfer					
<b>Total Number of Days of Job Transfer or Restriction</b>					
(light duty or other medical restriction)	0	13	0	0	
<b>Total Number of Days Away from Work</b>					
(at home, in hospital, not at work)	0	4	0	0	
<b>Near Misses</b>					
	1	1			

Developer Extension Agreements
None currently active



## District Projects

### Staff Report

4/19/2018

#### **A1815 Compulsory Sewer Connections**

*Compel property owners on private septic systems to connect to adjacent public sewer mains.*

##### **01 Administration**

- 1/30/2018 Staff reviewing Wilson Task Order for design, bid, and construction services to connect 2-3 properties.
- 2/12/2018 District attorney prepared draft agreements and deeds of trust for 3 properties.
- 2/28/2018 Wilson Task Order for design, cost estimates, bidding, and construction support executed.
- 3/14/2018 Certified letters sent to 3 property owners that include a sample agreement and estimated hookup costs.

##### **05 Design**

- 3/21/2018 Wilson working on design and bid documents.
- 4/19/2018 Design/bid package almost complete. Advertisement for bids will be issued in the next few weeks.

#### **A1816 Salary Survey**

*Salary survey for all positions in district.*

##### **01 Administration**

- 2/26/2018 Professional services agreement executed. Consultant started employee interviews on 2/26/2018.
- 3/12/2018 Consultant finished staff interviews.
- 4/19/2018 Staff coordinating meetings with comparable agencies. Meetings are intended to review other agency job descriptions and to match with District positions. Consultant, District Management, and Union Rep will attend these agency meetings.

#### **A1817 Web Site Update**

*Improve District web site and access to information.*

##### **01 Administration**

- 3/14/2018 Staff reviewed draft web site changes with consultant.
- 3/29/2018 Consultant to present draft web site changes to board.
- 4/19/2018 Draft website was presented to board at 4/11/2018 Board meeting. Some comments were received at the board meeting and will be taken into consideration by staff. Staff also solicited commissioners via email for any additional comments or ideas - none were received as of 4/19/2018. Staff is moving forward to complete the redesign using information received to date.

#### **C1407 Lowe Sewer PS VFD**

*Replace rotophase with VFD.*

##### **01 Administration**

- 1/5/2015 Staff obtaining quotes for VFD's from vendor. District electrician reviewing electrical panel space requirements and proposed VFD dimensions.
- 1/22/2015 VFD's received by District. District crew will install in pump station.
- 11/20/2017 Staff working to contract with an electrician to install VFD's.
- 1/23/2018 Received quote from electrician. Staff reviewing.
- 2/12/2018 Staff executing small works contract with electrician to complete work.

#### 10 Construction

- 3/21/2018 Contractor has begun work at site. New electrical cabinets have been ordered to house VFD's - contractor waiting for them to arrive and finish installation.
- 4/16/2018 Contractor installed cabinets, electrical conduit, and wire runs. Staff and contractor scheduled cut-over to new equipment the week of 4/30/2018.

### C1504 Reservoir Site Security

*Install site security system as 1 reservoir site. Pilot project to evaluate equipment, configuration, and telemetry options.*

#### 01 Administration

- 5/4/2015 District staff have done initial research on available security camera systems and motion detection. List of equipment and options is in development. Initial pilot site will be the SVWTP.
- 12/21/2016 Staff ordered equipment. Should arrive soon. Equipment will be installed at SVWTP. Motion detection from camera system will be integrated into SCADA system for alarm monitoring by District crews.
- 1/19/2017 Equipment has been received. District staff will begin installation soon.
- 11/20/2017 Staff working to contract with electrician to install conduit and cabling at SVWTP.
- 1/25/2018 Quote from electrician is larger than expected. Staff re-evaluating wiring schematic and conduit run options.

### C1605 Water System Plan Update

*Update District's Water System Plan. Current edition expires 3-15-2017.*

#### 01 Administration

- 4/6/2016 Selection of consultant is part of the general engineering services RFQ.
- 5/3/2016 State DOH would like to meet with the District and consultant to coordinate the water system plan update prior to beginning work. The intent is to coordinate the scope of work for the plan update.
- 8/16/2016 Meeting with Wilson and DOH to coordination scope of work. Wilson developing scope and fee for task order.
- 9/8/2016 Wilson developed scope of work after coordination with District staff and DOH. Scope/fee will be present at next board meeting for approval.
- 9/20/2016 Task Order with Wilson Engineering executed. Wilson will start work soon.
- 2/15/2017 Wilson collecting and analyzing data for the plan update.
- 9/13/2017 Draft comp plan text delivered to Board for review. Text will be discussed and reviewed/approved by Board over the next several meeting this fall.
- 11/28/2017 District issued Determination of Nonsignificance as part of SEPA process. Sent DNS to entities on SEPA Distribution List.
- 11/29/2017 Board to review and comment on draft water comp plan. Meeting was advertised as the public hearing for the water system comprehensive plan update.
- 12/1/2017 Determination of Nonsignificance was published in the Bellingham Herald as part of the SEPA process.
- 12/13/2017 Board adopted water comp plan update. Plan will be routed to multiple agencies for review and approval.
- 2/12/2018 Wilson assisting staff to update the "Designated Water Service Areas" map in the Coordinated Water System Plan with the boundary revisions proposed in the water comp plan.

- 3/8/2018 Letter sent to County initiate Service Area Boundary Amendment process.
- 3/14/2018 District received approvals from Whatcom County Engineering and Health Departments. Received Local Government Consistency Determination Form with Conditions from Whatcom County Planning and Development Services.
- 4/18/2018 Staff met with Wilson to finalize response to state DOH comments. Wilson is finalizing the response and will submit package to DOH next week.

## **C1607 Northshore Water Quality Sampling**

*Water quality sampling plan to evaluate impact of existing onsite sewage disposal system at the end of Northshore road.*

### **01 Administration**

- 3/30/2016 Request for Proposals advertised in Seattle Daily Journal of Commerce
- 4/28/2016 Request for Proposal advertised in Seattle Daily Journal of Commerce
- 5/1/2016 Request for Proposals advertised in Bellingham Herald
- 5/24/2016 Proposals due 4pm. Received one proposal.
- 7/27/2016 Agreement with consultant has been executed.
- 9/8/2016 Staff received preliminary draft plan from consultant and will share with board
- 10/3/2016 Workshop with County and City to review draft sampling plan.
- 10/19/2016 Consultant working on sampling plan revisions based on workshop comments with City and County.
- 11/21/2016 Consultant will start sampling during next good rain event.
- 1/19/2017 Consultant performs first sampling event.
- 2/9/2017 Tentative 2nd sampling event.
- 3/22/2017 Consultant completed second round of sampling in mid-March.
- 6/14/2017 Consultant presented draft report to board. Consultant is working to incorporating board and staff comments.
- 7/20/2017 Final report has been published. Original project scope complete.
- 12/18/2017 Additional scope of work was authorized for Herrera to develop a phosphorus loading analysis. Rob updated Board on progress at 12/13/2017 board meeting. The goal is to estimate the \$/pound of phosphorus removed if septic systems were served by public sewer. District is planning to present report and loading analysis to Lake Whatcom policy group in February 2018.
- 1/25/2018 Staff received 2nd draft of phosphorus loading analysis. Staff to do initial review and forward on board of commissioners and county staff.
- 2/5/2018 Herrera presents sampling study and results to Lake Whatcom Policy Group.
- 2/12/2018 Herrera finalizing phosphorus loading analysis. District received draft comments from County and DOE. District will coordinate with City to get their comments on the draft. Once all the comments are collected Herrera will finalize the report and address the comments. District will then present the final package to the Lake Whatcom Data and Information Management Team for review and discussion as to where and what the next steps might be.
- 2/27/2018 District received comments from the City and forwarded them to Herrera.
- 4/11/2018 Herrera reviewed agency comments and the response to each with the board on 4/11/2018. Herrera is finalizing the memo that addresses all the comments. The goal is to have the final memo completed and sent to the Data Team in the next couple weeks. Tentatively, the memo will be presented by Herrera at the Data Team meeting in May.

## **C1610 Little Strawberry Water Leak on Bridge**

*Water main has small leak. Leak is in a section of main that is mounted to a bridge on Little Strawberry.*

### **01 Administration**

- 4/6/2016 Staff evaluating alternatives to get within reach of pipe to find and repair leak.



- 7/20/2017 Leak has gotten worse. Wilson completed hydraulic analysis that shows the main across the bridge can be isolated (turn-off) and not significantly affect fire flow or operation pressures. If leak gets bad, staff can isolate the main until a repair can be figured out and made.
- 2/12/2018 Crew confirmed dripping water is from the water main by getting a positive test for chlorine residual. Crews are in process of relocating a water service that will enable the District to isolate the section pipe on the bridge - either temporarily or permanently.
- 2/27/2018 Crews relocated a water service line so that the section of water main on the bridge can be isolated with valves located on each embankment at any time without affecting any customers.
- 3/19/2018 Staff working with a specialized rental vendor to provide a "bridge walker" that includes an operator. This specialized piece of equipment has a platform that articulates over the side to reach under the edge of the bridge. The equipment is in high demand all across the nation. Staff is working to have it scheduled for a week to allow crew to remove pipe insulation, find and repair leak, and replace insulation. Estimated rental cost is \$10,000 per week.
- 4/19/2018 There is a rental slot open in June. Staff is working to confirm the June slot and will start preparing to perform the work.

## **C1611 Country Club Sewer Pump Station**

*Rehabilitation of Country Club Sewer Pump Station.*

### **01 Administration**

- 4/6/2016 Selection of consultant is in conjunction with general engineering services RFQ.
- 8/9/2016 Staff working with BHC to develop scope of work
- 9/8/2016 AE agreement finalized and being routed for execution. Scope/fee was approved by board on 8/31/2016. Work to begin as soon as agreement is executed.
- 11/2/2016 District attended Center Condo Owner's Association board meeting to present and coordinate the project. Association gave District needed letter of authorization to pursue Whatcom County permits for construction - of either option (pump station or direction drill).
- 12/21/2016 AE Agreement Amendment being routed for execution that includes scope for geotech test borings to determine directional drilling feasibility. BHC and GeoEngineers are scheduling work and preparing permit applications.
- 8/30/2017 Board authorizes Amendment 2 to AE Agreement. This work includes detailed geotechnical design for horizontal directional drilling.
- 9/13/2017 Board authorizes Amendment 3 to AE Agreement. This work include additional permitting and detailed design thru bidding.
- 11/8/2017 Staff attended Center Condo Owner's Association board meeting to brief board of progress and to coordinate future work.

### **02 Predesign**

- 10/11/2016 Held predesign meeting with BHC and District staff. BHC beginning preliminary design.
- 11/21/2016 Staff and BHC working on scope amendment to investigate horizontal direction drilling as the primary option. This option has the potential to eliminate the need for the pump station.
- 3/21/2017 Consultant completed 3 test bores to determine feasibility of horizontal direction drilling. They did not encounter any hard rock. One bore had sandstone the last 5 feet.
- 4/19/2017 District received copy of Geotechnical Data Report that documents soil conditions found during exploratory boring. Geotechnical engineers are working on a 2nd report that will discuss and recommend horizontal drilling methodology for construction and bid documents.
- 5/17/2017 District received copy of draft geotech report regarding Trenchless (HDD) Alternative Evaluation. BHC also reviewing report and coordinating with subconsultant.
- 6/22/2017 Geotechnical subconsultant addressing District and BHC review comments and will be including a discussion on auger drilling in addition to the horizontal drilling method.
- 7/12/2017 Consultants presented horizontal direction drilling and conventional auger bore alternates to Board. Staff will make a recommendation a next Board meeting on the preferred alternative.

**03 Permitting**

- 10/20/2016 Pre-Application meeting with Whatcom County to review anticipated permitting requirements.
- 11/7/2016 District and GeoEngineers met with Whatcom County Critical Areas Biologist to review potential critical areas.
- 12/22/2016 GeoEngineers submitted shoreline exemption permit application for test borings to Whatcom County.
- 11/16/2017 Held 2nd pre-application meeting with County staff. 2nd meeting was necessary due to scope change from replacement of pump station to horizontal directional drilling. Consultants are preparing permit applications for project to be submitted early December.
- 1/25/2018 Consultants are still preparing permit applications. Draft applications are expected any day for District review. Staff has rescheduled construction from summer 2018 to summer 2019. A revised CIP plan will be presented to board for approval on 1/31/2018.
- 2/12/2018 Staff have reviewed draft permit application package and is coordinating with consultant to address minor comments.
- 3/8/2018 District received permit application materials from consultant. Staff working to obtain Center Condo and SVCA notarized signatures.
- 4/13/2018 Permit applications submitted to Whatcom County.
- 4/17/2018 Corps and JARPA documents sent to agencies.

**05 Design**

- 10/18/2017 BHC and Geoengineers working on detailed design and permit application submittal for HDD.
- 12/6/2017 District received Wetland Delineation Report, HDD Design Report, and Design Report from BHC. Staff is reviewing and coordinating with consultant.
- 2/12/2018 Staff received 30% complete plans for review and comment.

**C1703 Utility System Support Specialist Vehicle**

*Procure vehicle from Washington State bid.*

**01 Administration**

- 3/22/2017 Needed vehicle type not currently on state bid. Staff working to get quotes from vendors for new vehicle that meets District specifications.
- 6/21/2017 Vehicle ordered using state bid.
- 12/18/2017 Still waiting for delivery of vehicle.
- 1/25/2018 The rig was assembled in Spain. Vehicle is in the USA, but still be processed by US Customs. Dealer has not been notified of a delivery date yet.
- 3/19/2018 Vehicle received by District. Staff will license and outfit with bins, shelves, etc. to put it into service.

**C1705 Geneva and Par Sewer Pump Station Improvements**

*Sewer pump station improvements for Geneva and Par stations.*

**01 Administration**

- 1/19/2017 Staff developing Request for Proposal.
- 1/28/2017 Request for Proposals published in Bellingham Herald.
- 2/17/2017 Proposals are due.
- 2/21/2017 Selection committee meets to review proposals.
- 2/23/2017 RH2 was selected and approved by the Board for the project. Staff and consultant working to execute an AE Agreement.
- 4/10/2017 AE Agreement executed.

- 6/22/2017 Staff working with RH2 to execute amendment to survey an alternate alignment for a possible gravity main from Par Sewer Pump Station to a manhole at the Sudden Valley Marina. This alternate alignment is longer, but does not have to cross Austin Creek. Alignment feasibility will be discussed in the predesign report.
- 10/11/2017 Board approved Amendment 2 to AE Agreement that includes detailed design through bidding for both Geneva and Par Sewer Pump Stations.
- 11/14/2017 Staff met with neighbor onsite to discuss project concerns. Neighbor may attend 11/29/2017 board meeting to voice concerns.

## 02 Predesign

- 4/18/2017 RH2 performed pump tests at both stations to collect hydraulic operating parameters for design.
- 7/20/2017 Staff reviewing draft predesign report. Presentation to Board tentatively scheduled for August 9th.
- 8/9/2017 RH2 presents Geneva Pump Station alternatives to Board. District select submersible pump alternative with exterior permanent generator.
- 9/26/2017 RH2 presents Par Sewer Pump Station alternative, including eliminating the pump station and installing gravity mains.

## 03 Permitting

- 9/14/2017 RH2 and District meet with County staff for pre-application meeting. RH2 gathering application information and will submit to County as soon as possible.
- 10/13/2017 RH2 submitted shorelines permit application to County for Geneva Sewer Pump Station.
- 12/13/2017 Neighbors had discussion with Board regarding placement of generator and control panels for the Geneva Sewer Pump Station. Staff will explore the possibility of locating the Generator on the east side of the right-of-way. RH2 and staff will contact County and east neighbor to get their input. Staff will keep Board informed with progress to address neighbor's concerns.
- 1/25/2018 County permitting is progressing. Still no public hearing date scheduled.

## 04 Predesign and Permitting

- 5/1/2017 RH2 and staff met to go through predesign alternatives and options. RH2 is working on producing the predesign report. Topographic surveying is done at both sites. Topo maps will be completed soon.

## 05 Design

- 12/18/2017 RH2 is working on detailed plans, specifications, and estimates.
- 1/9/2018 RH2 working on 60% bid docs for district review and coordination. Goal is to submit to district by the end of January 2018.
- 2/12/2018 District received 90% complete plans, specs, and cost estimate for final review before advertising for bids.

## 06 Bidding

- 3/1/2018 Advertisement for bids published in Bellingham Herald.
- 3/13/2018 Non-mandatory pre-bid meeting 2pm
- 3/16/2018 Addendum #1 issued.
- 4/12/2018 Bid opening 205pm. 3 bids received.
- 4/25/2018 Tentative award contract at Board meeting.

# C1707 Level Transmitter Replacement and Beaver and Flat Car Pump Stations

*Replace level transmitters. They are starting to lose sensitivity and will fail soon.*

## 01 Administration

- 5/10/2017 Staff met with vendor to review new radar level sensor equipment. District will demo a unit at Sudden Valley Sewer Pump Station. If unit performs as expected, it could be the preferred solution at Flat Car and Beaver Pump Stations.

- 6/22/2017 District received demo unit and plans to install it at a non-critical pump station to test function, accuracy, reliability, etc. soon.
- 7/20/2017 Demo unit has been installed. District crew is beginning to evaluate the product and configuration options.
- 9/20/2017 Demo level transmitter worked great. District issued purchase order for two for installation at Beaver and Flat Car pump stations.
- 3/21/2018 Staff preparing bid documents to contract work.
- 3/28/2018 Purchase order sent to QCC to build and install electrical panels and equipment.
- 4/19/2018 Staff finalizing the bid package which will advertise in the next week or two. The construction contract scope is to modify electrical equipment, install conduit runs, wiring, installation, and configuration of new equipment.

## **C1708 Ball Check Valves at Airport and Beaver Sewer Pump Stations.**

*Install 2 ball check valves at Airport and 1 ball check valve at Beaver.*

- 1/18/2017 District crew verified measurements of existing swing check valves. Proposed ball check valves will fit. Staff will order new ball check valves.

### **01 Administration**

- 6/22/2017 District solicited quotes from 3 vendors. A purchase order has been issued for the ball check valves. They should arrive soon.
- 7/20/2017 District received ball check valves. District crews to install valves.

## **C1710 Eagleridge Fire Pump Controls**

*Develop scope of work and cost estimate to update fire pump controls to meet current electrical codes.*

### **01 Administration**

- 6/22/2017 The City has made some water system improvements in this vicinity. Wilson confirmed that City's normal water system pressure at Eagleridge is now 78 PSI. This is sufficient to decommission some or all of the pumps and fire pumps at Eagleridge. Hydraulic modeling shows that available fire flows would be above the required 750 GPM minimum without the fire pumps. District will be re-scoping this project to de-commission booster and fire pumps.

## **C1713 Eagleridge Booster Pump Station - Decommission Pumps**

*City's normal operating pressure was increased to about 78 psi. This is sufficient to decommission booster pumps. Project includes design report, obtaining DOH approval, and work performed by District crew.*

### **01 Administration**

- 6/22/2017 Staff investigating City water pressure. Booster station may no longer be needed.
- 7/20/2017 The City has made some water system improvements in this vicinity. Wilson confirmed that City's normal water system pressure at Eagleridge is now 78 PSI. This is sufficient to decommission some or all of the pumps and fire pumps at Eagleridge. Hydraulic modeling shows that available fire flows would be above the required 750 GPM minimum without the fire pumps. District will be re-scoping this project to de-commission booster and fire pumps. We will need to get DOH project approval to modify the booster station before any changes are made. Staff will begin preparing a project report and design for submittal to DOH.

## **C1716A Dead End Blowoffs**

*Installing new blowoffs on dead end mains*

### **01 Administration**

1/19/2017 Staff researching each site to determine detailed scope of work for each location.  
 5/25/2017 Crews continue to pick away at blow-off installation. 8 of 41 done.  
 6/22/2017 Crews installed a few more. 12 of 41 done.  
 7/20/2017 14 done.  
 11/20/2017 15 of 41 done.  
 12/18/2017 16 done.  
 3/21/2018 19 done.  
 4/19/2018 22 done.

## **C1716B Geneva Booster Station - PRV's and Backflow Assembly**

*Replace pumps at Geneva Booster Station at Scenic Ave with pressure reducing valves following hydraulic modeling verification. Replace old backflow assembly at City intertie.*

### **01 Administration**

2/27/2017 Wilson prepared engineer's brief sheet that includes details PRV sizing and configuration. Staff will begin preparing a bill of materials and order parts. It is anticipated District crews will perform the work.  
 6/22/2017 Staff coordinating with City on what they need for a backflow assembly.  
 7/20/2017 Staff considering COB suggestion to move intertie to top of ridge on Parkstone at COB/District boundary.  
 9/20/2017 District considered moving PRV station per City suggestion. There are more benefits to the District to keep the Geneva Booster building and infrastructure. District staff is preparing the design report and construction drawings for submittal to DOH for installation of a PRV. Project will be coordinated with the water comp plan update in progress. We still need to coordinate with the City before going too much further in design/planning.

## **C1801 Shake Alert Pilot Program**

*Integrate ShakeAlert earthquake early warning signal into SCADA system that will automatically close valve on new Division 22 Reservoir No. 2 and activate audible alarms at the Administrative Building, Shop, and Sudden Valley Water Treatment Plant.*

### **01 Administration**

1/25/2018 Staff reviewing USGS ShakeAlert License Agreement and Terms of Service and RH2 ShakeAlert Pilot Application scope of work.

## **C1802 Edgewater, Dellesta, Euclid Sewer Pump Station Improvements**

*Replace/renew Edgewater and Dellesta sewer pump stations that were installed in the 1970's. Replace/renew electrical controls and install permanent standby generator at Euclid sewer pump station.*

### **01 Administration**

1/25/2018 Staff developing RFP for selection of engineering consultant. 1st phase will include predesign and shorelines permitting in 2018.  
 2/10/2018 Request for Proposals published Bellingham Herald.  
 3/7/2018 RFP submittals due at 1pm. Distribute RFP's to selection committee by end of week.  
 3/22/2018 Consultant selection committee meets to review and rank consultant proposals.  
 3/29/2018 Board selects RH2 as the most qualified consultant for projects to board. Staff will begin scope/fee negotiations with the consultant.

---

**C1803 Camp Firwood Standby Generator**

---

*Recent severe snow/ice/wind weather events have made the process of getting a portable generator to the station difficult. The access road is a long steep gravel road that can have deep snow, ice, and downed trees blocking access. This project includes installing an automatic transfer switch and replacing the wood security fence around the station. A portable generator will be parked and wired to the ATS to automatically start during fall, winter, and spring months and would be removed when the camp is active during summer.*

**01 Administration**

1/3/2018 Staff met with Camp Firwood maintenance staff to discuss pump station generator options. The simplest solution is to install an automatic transfer switch (ATS) and hookup a portable generator when the camp is closed to campers (fall, winter, and spring). This would provide automatic emergency power when we need it during the wet season. We can try this for several seasons. If it works as we think, we will not need a permanent generator at the site.

**05 Design**

2/27/2018 ATS sized by electrical engineer. Staff working procurement thru GSA.

---

**C1805 Water Meter Registers**

---

*Replace remaining 1582 1st generation radio read meter registers still in service that had a design life of 10-years. New generation registers have a design life of 20-years.*

**01 Administration**

3/20/2018 District placed order for 300 new meter registers.

---

**C1807 Replace Light Duty Truck**

---

*Replace light duty truck.*

**01 Administration**

2/7/2018 Truck has been ordered off of state bid. Chevy Colorado

2/12/2018 Truck has been ordered using Washington State bid.

---

**C1808 Replace Tool Truck**

---

*Replace tool truck.*

**01 Administration**

2/8/2018 Truck ordered off of state bid.

2/12/2018 Truck has been ordered using Washington State bid.

---

**C1809 Replace Backhoe**

---

*Replace backhoe*

**01 Administration**

2/12/2018 Staff looking into equipment available on Washington State bid.

---

**C1810 Airport Sewer Pump Station Stationary Generator**

---

*Install stationary generator at Airport Sewer Pump Station.*

**01 Administration**

4/19/2018 Staff review GSA quote and will be placing order soon. This will also include the ATS for Camp Firwood.

#### 05 Design

2/27/2018 Generator sizing completed by electrical engineer. Staff now working on site plans and GSA procurement of generator.

### **C1813 Division 7 Reservoir FEMA Seismic and ShakeAlert Grant Application**

*Revise FEMA grant application to include ShakeAlert components. Total grant could be as high as \$1.1M*

#### 01 Administration

2/28/2018 Grant application submitted to FEMA.

4/19/2018 Staff heard that state level emergency management accepted the application and forwarded it on to the federal level.

### **C1814 Agate Height WTP and Opal Booster Upgrades**

*Increase treatment and pumping capacity from 30gpm to 60 gpm.*

#### 01 Administration

2/12/2018 Staff asked Wilson to prepare Task Order to assist with preliminary design and permitting.

3/28/2018 Staff and Wilson toured two treatment plants that have "Atec" iron/manganese removal package treatment plant systems at Pole Road Water Association. Tour facilitated project scope development with staff and Wilson.

4/19/2018 Task order scope of work is being developed by staff and Wilson. Once a draft is complete it will be presented to the Board for authorization.

### **M1806 Reservoir Inspection and Maintenance**

*Visually inspect and clean the inside of all District reservoirs. Also perform minor maintenance and repairs found during inspection.*

#### 01 Administration

1/25/2018 Staff preparing bid documents. Project will be advertised very soon.

#### 06 Bidding

2/7/2018 Project advertisement for bids published in Bellingham Herald.

2/28/2018 Bid opening at 205pm.

3/14/2018 Board awards contract to H2O Solutions LLC.

#### 10 Construction

4/9/2018 Divers arrive and begin reservoir maintenance. They are going to inspect and clean the reservoir interiors, then come back another week to perform welding and misc repairs.

4/12/2018 Divers finish inspection and cleaning.

4/25/2018 Contractor scheduled to complete welding and misc repairs.

### **M1811 Northshore Sewer Force Main Stream Crossing Protection**

*Ductile iron sewer force main pipe is exposed in stream bed on Northshore. Project scope includes permitting, design, and construction of pipe protection.*

#### 01 Administration

2/12/2018 Staff executed Wilson Task Order for per permitting and design phase.

**M1812 CMOM Manhole, Wet Well, and Vault Pressure Grouting**

---

*Project to pressure grout several structures where infiltration was found.*

**01 Administration**

4/19/2018 Crews working to identify and list structures that require pressure grouting that have infiltration problems.

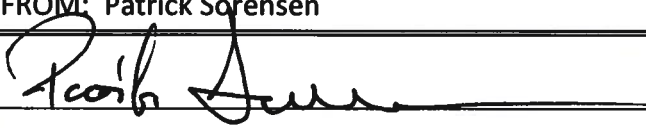




## LAKE WHATCOM WATER AND SEWER DISTRICT

### AGENDA BILL

Item 7

DATE SUBMITTED:	April 18, 2018	MEETING DATE:	April 25, 2018
SUBJECT:	Manager's Report		
TO: BOARD OF COMMISSIONERS	FROM: Patrick Sorensen		
GENERAL MANAGER APPROVAL			
DISTRICT ENGINEER/ASST MGR APPROVAL			
FINANCE MANAGER APPROVAL			
ATTACHED DOCUMENTS	1. Manager's Report		
	2.		
	3.		
TYPE OF ACTION REQUESTED	RESOLUTION <input type="checkbox"/>	FORMAL ACTION/ MOTION <input type="checkbox"/>	INFORMATIONAL /OTHER <input checked="" type="checkbox"/>

#### **BACKGROUND / EXPLANATION OF IMPACT**

Updated information from the General Manager in advance of the Board meeting.

#### **FISCAL IMPACT**

None.

#### **RECOMMENDED BOARD ACTION**

None required.

#### **PROPOSED MOTION**

None.



## LAKE WHATCOM WATER AND SEWER DISTRICT

### General Manager Comments

Regular Meeting – Wed. April 25, 2018 – 8:00 a.m.

### Important Upcoming Dates

Lake Whatcom Water & Sewer District			
Next Regular Board Meeting	Wed May 9, 2018	6:30 p.m.	Board Room
Next Employee Staff Meeting	Thu May 10, 2018	8:00 a.m.	Board Room Scheduled to Attend: Commissioner Laura Weide
Safety Committee Meeting	Thu May 10, 2018	9:00 a.m.	Small Conference Room
Lake Whatcom Management Program			
Policy Group Meeting	Tue May 15, 2018	3:00 p.m.	City of Bellingham's Fireplace Room 625 Halleck St <i>Enter through the Halleck St entrance</i>
Management Meeting	None Planned		Last meeting – March 28, 2018
Other Meetings			
Washington Association of Sewer & Water Districts (WASWD) Section III Meeting	Tue May 8, 2018	6:15 p.m.	Bob's Burgers and Brews Tulalip, WA
Whatcom Water District's Caucus Meeting	Wed May 16, 2018	1:00 p.m.	Board Room

### Other Comments

- **Committee Meeting Reports as Needed:** This is a place holder for Board and staff members to report on recent committee meetings, such as the Lake Whatcom Policy Group.
- **Upcoming Important Agenda Topics & Meetings:**
  - City Public Works staff will attend the June 13 meeting to address proposed bio solid treatment changes at the Post Point wwtp.