2017 Eastsound Water Annual Meeting
2017 BY THE NUMBERS

- 79 New Members by Property Transfers
2017 BY THE NUMBERS

- **35** New Hook Ups for New Development
- (14)
- Does not count 25+ in View Haven
2017 BY THE NUMBERS
2017 BY THE NUMBERS

- 15 Equivalent Residential Units Sold
- 12.5 in ‘16
Last 12 Months BY THE NUMBERS

- 14 Catastrophic Leak Awards
- $5779 in financial relief provided.

(18 leak for $18,914 in ‘16)
Water Year Precipitation

10 yr. average
Summer Water Use
2017 Facilities Upgrades

MAJOR PROJECTS

- View Haven Water Main Replacement
- Cedar Ridge Main Extension
- Koko Lane Main Extension
- Pine St Main Replacement
- Twigs Lane Main Replacement
- New Port Service Line
- Driftwoods Remetering
- Orcas Library Construction Support
+9000’ of New Water Main Installed
View Haven Main Replacement

- 4200' main extension to replace 4" sch 20 water mains
- New 3" dedicated "fill line" from Miguel Pump Station to 80K tank.
- 4" to be replaced by 8" to provide 1000 gpm fire flow at inter island petroleum.
- 80,000 gal tank and booster station
Driftwood Remetering
2017 Surprises
Water Tap Congratulates Eastsound Water

Eastsound Water on Orcas Island set a new water use efficiency record in 2016, but the community won't stop there. Earlier this month, 50 residents and business owners spent 12 hours developing a new vision statement for the water system. The concept of sustainability and the idea that the island has limited natural resources drove the group’s work, and the resulting vision.

During the last 16 years, their customer base grew by 47 percent from 833 equivalent residential units (ERUs) in 2000, to 1,228 ERUs in 2016. Over this same period, total annual production declined by 31 percent.

One way to measure water system efficiency is gallons produced for each ERU. This is where Eastsound Water hit a new low of 47,720 gallons per ERU in 2016, down from a peak of 85,700 in 2001. That's a 55.6 percent improvement.

General Manager Paul Kamin says several initiatives contributed to this success. Most important of these is the staff’s commitment to attack every water main leak as they discover it. Over the last 10 years, they replaced 12,000 feet of their worst water mains.

Eastsound gives customers incentives to fix leaks on their property through attention-getting $20 per 1,000-gallon surplus water fees, and liberal relief for high water bills due to leaks if the customer replaces the entire outdated service line instead of patching a leak. They also installed an automated water metering system that reports hourly water use daily. Customers can access their water use history online, and the system can alert customers if their service experiences 24 hours of continuous flow—identifying leaks in days instead of weeks or months.

The Eastsound community will continue to grow. The Eastsound Sub Area planning process now underway will determine how and at what rate. Eastsound Water will do its part to ensure that the water system and the water supply they depend on can support the evolving community.
Congratulations TOP Performers!

RESULTS ARE IN for our surface water Treatment Optimization Program (TOP) awards. Turbidity monitoring data show that our conventional and direct filtration surface water treatment plants continue to perform above regulatory standards—and provide better public health protection.

Four systems achieved 16 consecutive years of optimization in 2016, earning platinum awards! We also award bronze, silver, and gold certificates to systems the first time they meet the turbidity goals for three, five, and 10 consecutive years, respectively. This year, three systems earned silver awards: Castle Rock Municipal Water, Town of Metaline Falls and Rosario Water System.

The Chehalis Water Department earned a bronze award. Congratulations!

The filtered water turbidity goals we adopted for these systems are not regulatory. Instead, we encourage systems to achieve optimal water quality using existing facilities, which provides a larger margin of safety. The performance of rapid rate filters for turbidity removal is a key element in protecting consumers from microbial contaminants and maximizing public health.

For more information

To learn more about TOP and treatment optimization, visit Performance of Rapid Rate Filtration Plants in Washington at: www.doh.wa.gov/TOP.
Sept 2017 Performance Recognition

- Eastsound Water has recently achieved a State of Washington Water Treatment FIRST.

- Eastsound Water was found to have NO PERFORMANCE LIMITING FACTORS.

- Derek Pehl, the Assistant Director at the State Department of Health and Regional Engineer Steve Deem both have reached out to say that in decades of sponsoring the “Comprehensive Performance Review” (CPE) program that Eastsound Water is the first ever with NO PERFORMANCE LIMITING FACTORS!
# 12 Mo. Financial Performance

<table>
<thead>
<tr>
<th></th>
<th>Income</th>
<th>Expense</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Annual Profit and Loss</strong></td>
<td>$1,020,725</td>
<td>$1,015,011</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>01-Dec-16</th>
<th>01-Dec-17</th>
<th>01-Dec-17</th>
<th>224,650</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cash Assets</strong></td>
<td>$593,329</td>
<td>$699,640</td>
<td>$106,311</td>
<td></td>
</tr>
<tr>
<td><strong>Total Assets</strong> (cash + fixed)</td>
<td>$5,110,923</td>
<td>$5,335,573</td>
<td>$224,650</td>
<td></td>
</tr>
</tbody>
</table>
Rate Committee Work

- 6 members volunteering for 20 weekly meetings (so far)
New Web Site Online
Leak Detection Notification Alerts
Leak Detection Notification Alerts

Alert Configuration for

Preview alert

Alert Settings
- Type of flow: Intermittent
- Flow Threshold: Maximum 2 Gallons/hr
- Reminder Frequency: 3 Days
- Alert Status: Active

Notifications

Subject: wizard message leak Alert for 01-0625 [Start]

Message: In the past 24 hours, BEACON has detected base flow of xxx Gallons/hr which exceeds the maximum threshold of 2 Gallons/hr.
Eye On Water – your water use online

- 7 day rolling comparison
- Program/Change Leak Alerts
- Historic year, month, day, hour water use data
- Daily report-in schedule
- Data is downloadable.
Eye On Water Access
EyeOnWater Instructions

Monitor Your Water Use Online

In 2016, EWUA invested in an “advanced metering analytics” system. The upgraded water meters report their daily water use automatically via a cellular network. The system allows all members to access their water use history, view their daily water use patterns, and program emergency leak detection alerts. These new member capabilities are accessed via “EyeOnWater”.

EWUA is the first water system in Washington to fully deploy this system. EyeOnWater’s capacity has the potential to significantly improve our
Eastsound Water has invested in developing additional water system capacity to meet the future needs of our service area. Eastsound Water is currently serving 1241 active ERU's (equivalent residential units). From 2006-2016 Eastsound Water's growth rate has been less than 1%.
2018 Organization Plans

- Implement New Rate Structure
- Bylaws Review and Update
- Detail ERU Requirements Process
- Digital Membership Process
- Replace Retiring Office Manager and Billing Coordinator
2018 Facility Plans

- Bring “Klein Well” Online (130+ ERU’s)
- Merge Los Arbolos & View Haven Pressure Zones
- PRV #3 Upgrade
- Buck Booster Station Replacement
- Madrona Point Main Upgrade
Staff

Cindy Andrew

Gina Burger
Questions?
Harrison Point Main Replacement
View Haven
Los Arboles
Pressure Zone
Merger
Lower Buck Booster Station