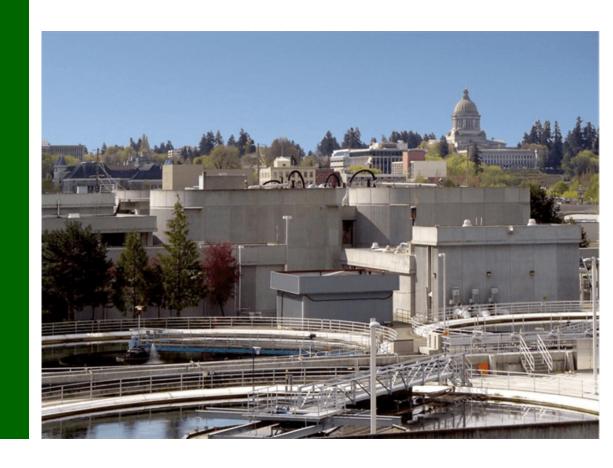




# **State of the Utility**

Olympia Utilities Advisory Committee
May 2, 2024

Matt Kennelly, P.E., Executive Director



## **LOTT Clean Water Alliance**

## Collaboration of four local governments

- Lacey
- **O**lympia
- **T**umwater
- **T**hurston County

### **Board of Directors**

- One elected official from each jurisdiction
- Meet monthly to oversee LOTT business

Mission: Preserve and protect public health and the environment by cleaning and restoring water resources for our communities



Dani Madrone, Olympia



Tye Menser, Thurston County



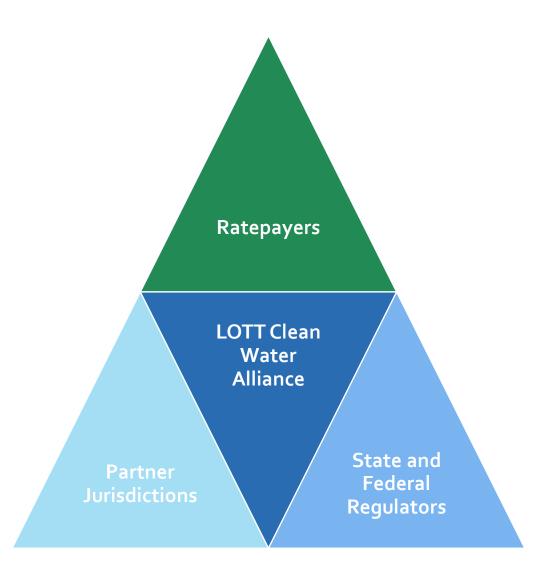
Leatta Dahlhoff, Tumwater



Carolyn Cox, Lacey

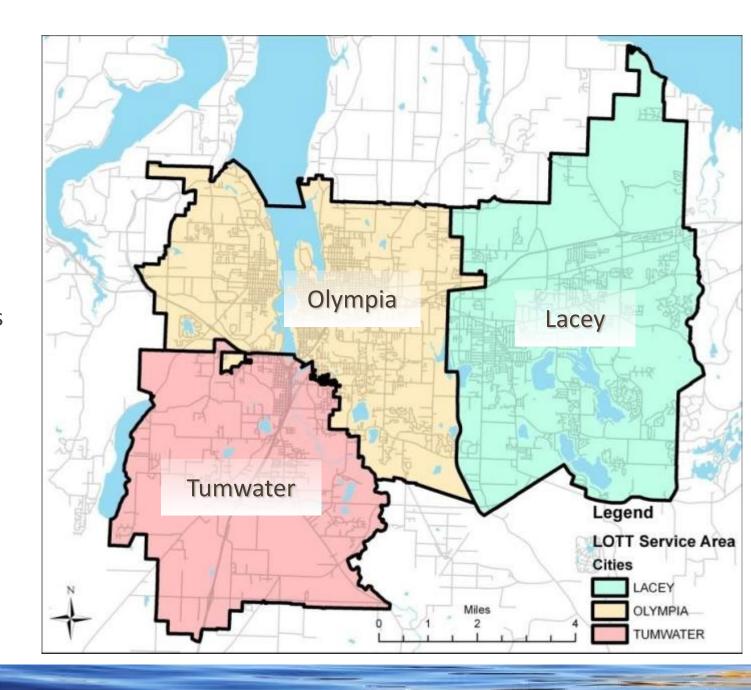
## **LOTT** is Distinctive

- Regional utility
  - Non-profit corporation
  - Act as a public entity
- Failure not an option
  - Provide essential public service
  - Highly regulated
- Accountable on multiple levels
  - Ratepayers
  - Partner jurisdictions
  - State and federal regulators



## **Service Area**

- ► Population served = 123,500
- ► Ratepayers served through cities
- ► Some are residents in urban growth areas



# **Regulatory Requirements**

- National Pollutant Discharge Elimination System (NPDES) permit
  - Issued by State Department of Ecology
  - Authorized by U.S. Environmental Protection Agency
- Stringent regulatory requirements
  - Discharge limits (treatment performance)
  - Monitoring and reporting
- ► U.S. EPA requirement
  - CMOM Capacity, Management, Operations, and Maintenance
  - LOTT adopted first six-year plan in 2007
- Continual planning and reporting
  - Demonstrate plans to maintain adequate capacity
  - Annual requirement



Page 1 of 66 Permit No. WAG037061

## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM WASTE DISCHARGE PERMIT NO. WA0037061

DEPARTMENT OF ECOLOGY iouthwest Regional Office P.O. Box 47775 lympia, WA 98504-7775

In compliance with the provisions of the State of Washington Water Pollution Control Law. Chapter 90.48 Revised Code of Washington, and the State of Washington Reclaimed Water Act, Chapter 90.46 Revised Code of Washington, and

The Federal Water Pollution Control Act (The Clean Water Act) Title 33 United States Code, Section 1342 et seq.

LOTT Clean Water Alliance 500 Adams Street Northeast Olympia, Washington 98501-6911

And the Contributing Jurisdictions\* 420 College St SE

Olympia, WA 98507 Tuniwater, WA 98501 2000 Lakeridge Dr SW

are nathorized to discharge in accordance with the Special and General Conditions that follo 500 Adams Street Northeast

Olympia, WA 98501 reatment Type: Activated Sludge/Advanced

Budd Inlet/South Puget Sound

<sup>\*</sup> While the LDTT Clean Water Alliance is the primary Fermine and has day-to-day responsibility for the treasment conductor, except as otherwise soled, the state of Lawy, (by upon, and Tomonde and Thomas Context and Thomas Context and Thomas Context and Thomas Context are represented as a discharge, as and a state of the state of















## **Treatment Performance**





The National Association of Clean Water Agencies is pleased to recognize

LOTT Clean Water Alliance, WA **Budd Inlet Treatment Plant** 

in recognition of its complete and consistent permit compliance during the calendar year

2022





National **Environmental Achievement** Award

PRESIDENT Observis A 10.7 MoRey

Diate S. Tarripatri Germis

William J. "Mickey" Domesy

Kylo Drayfass-Wells Chief Executive Officer Institutes Otto Inguise

November 16, 2023

Matt Kennelly **Executive Director** LOTT Clean Water Alliance 500 Adams Street NE Olympia, WA, WA 98501

On behalf of the National Association of Clean Water Agencies (NACWA), we are pleased to inform you that the LOTT Clean Water Alliance has been selected to receive a 2024 National Environmental Achievement Award (NEAA) in the Operations & Environmental Performance category for your "Biological Process Improvements" program. Congratulations on this great accomplishmentt

As an AEAA honoree, you will be recognized at an evening Awards Ceremony & Reception on Wednesday, February 14, 2024, during NACWA's Winter Conference, held February 13-18, 2024, at the Hilton Austin in

Attached is information detailing the ceremony logistics and a critical response form. Additional information regarding the Winter Conference, including the agenda, registration, and hotel details, is available on NACWA's website.

It will be NACWA's honor to present you with this prestigious award. We proudly celebrate your clear commitment to clean water and look forward to seeing you in February!

Sincerely

Laura Bolotor Chair, NACWA Awards Committee Director of Public Utilities Salt Lake City Corporation, UT

Chief Executive Officer

Enclosures: Essential Information for NEAA Recipients Honoree Response Form

1130 Connecticut Ave NW Washington DC 20056

T 10001 813-0072 F (888) 247-9105



### Tours for State regulators:

- Department of Health
- Ecology

## **Industry Recognition**

Presentations and tour for State House representatives





## **Wastewater Treatment Has Evolved**

### **Public Health**

- Environmental protection
- Education
- Resource recovery

### **Cost of Service**

- Commodity treatment
- Regulations driver











**Reuse of Biogas** 







## **Reuse of Biosolids**

## **Reclaimed Water**











## **Education Program**

- WET Science Center walk-in visitors
   2023 = 8,519
- School field trips
   2023-24 school year students = 2,618
- Education Program participants
   2023 grand total = 12,805











# Wastewater Utility of the Future, Today

### **Public Service**

- Community support
- Climate resilience

### **Public Health**

- Environmental protection
- Education
- Resource recovery

### **Cost of Service**

- Commodity treatment
- Regulations driver

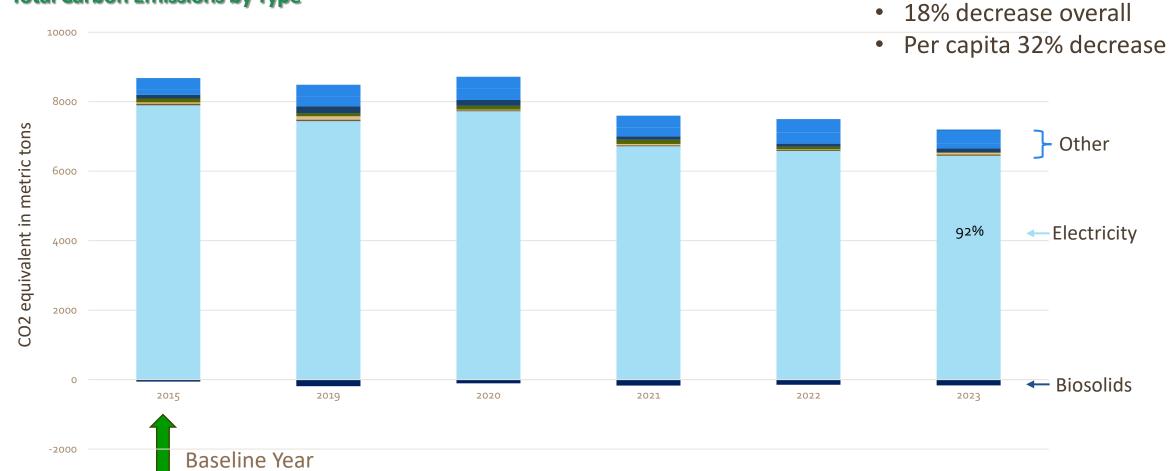


## **Community Support**

- Connection fee rebates
  - Septic to sewer
  - Low-income housing
- Sanitation resources
- Wastewater epidemiology
- Coalition for other water quality projects
- Support of regional climate efforts

## **Annual Emissions Inventory**

## **Total Carbon Emissions by Type**



# **Energy Savings from Recent Upgrade**

2,500,000 kWh/yr

\$1,100,000 conservation grant from PSE



## **Project Carbon Footprint Reduction**

Savings of 2,458,000 kWh/yr = 1,143 tons of  $CO_2$  equivalent

18,900

tree seedlings grown for 10 years



222

homes' electricity use for one year



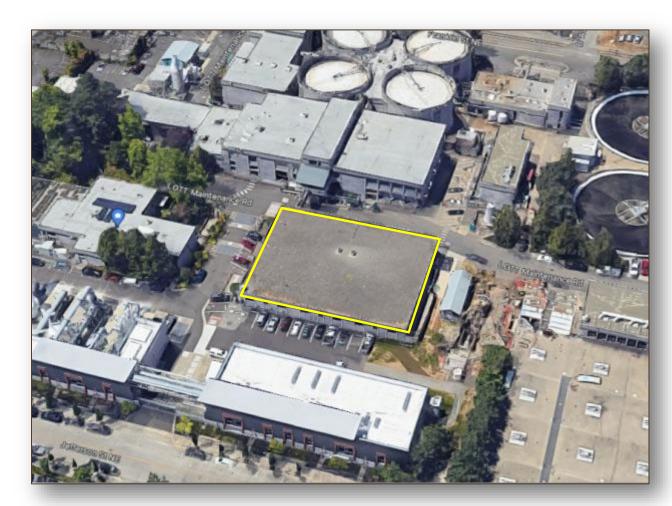
2,930,136

miles driven by an average gasoline-powered passenger vehicle



## **Solar Addition to Upcoming Project**

- Process building upgrade
- Opportunity for rooftop solar
- Tax credit rebate (up to 40%)
- Will produce up to 196,000 kWh/year
  - Equivalent of ~5600\* electric vehicle miles



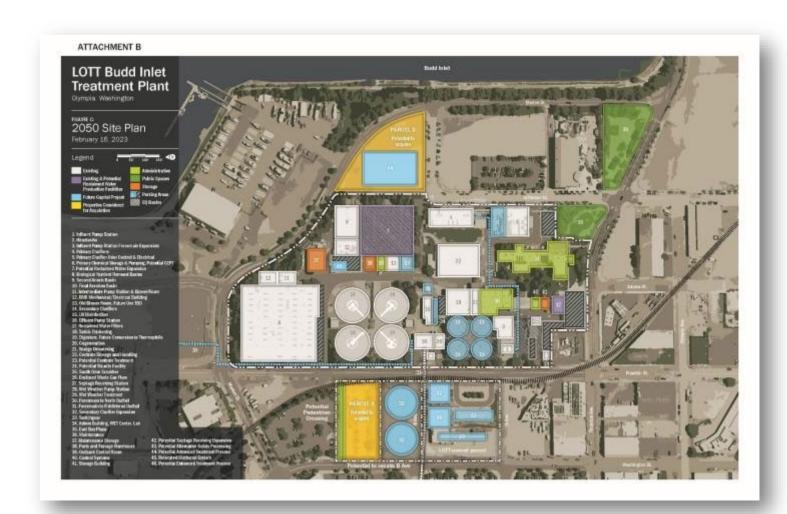
## **LOTT Infrastructure**

- ✓ Budd Inlet Treatment Plant
- ✓ Budd Inlet Reclaimed Water Plant
- ✓ Martin Way Reclaimed Water Plant
- ✓ Hawks Prairie Recharge Basins
- ✓ Three major pump stations
- ✓ 22 miles of sewer interceptor lines
- √ 11 miles of reclaimed water lines
- ✓ 1 million gallon reclaimed water storage tank





## **2050 Plan Outlines Future Infrastructure**

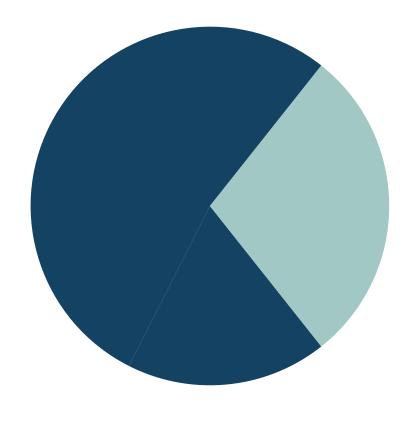


- 2050 outlook
- High level of treatment allowed for cost effective pathways
- Focus on existing treatment facilities
- Support from Ecology and Squaxin Island Tribe

## 2023-2024 Budget

Capital & Debt Service 73%

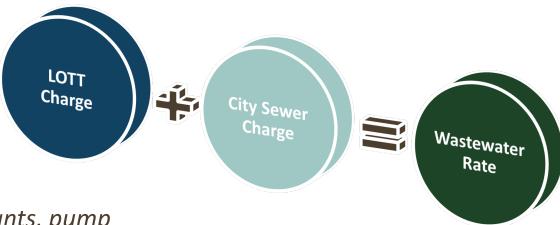
\$89.3 million



Operating 27%

\$32.4 million

## **Finances**



## **Monthly Service Fees**

Costs of operating and maintaining treatment plants, pump stations, pipelines, and related programs

- AKA Wastewater Service Charge (WSC)
- \$46.14 per month

### **Connection Fees**

Share of costs to serve more customers, including system pipelines, treatment facilities and related programs

- AKA Capacity Development Charge (CDC)
- \$7,080.94 (one-time)

## **Rate Comparison**

Regional Average: \$81.47

City of Olympia: \$66.97

Regional Average



	2022 Rate	2021 Rate	Percent Change	Flat or Volume	2022 Rank	2021 Rank
Thurston County (Tamoshan)	\$144.86	\$140.64	3.0%	F	1	1
City of Bonney Lake	\$129.01	\$121.11	6.5%	٧	2	3
City of Tenino	\$125.66	\$125.66	0.0%	F	3	2
City of Shelton	\$125.00	\$120.20	4.0%	٧	4	4
City of Seattle	\$119.07	\$116.69	2.0%	٧	5	5
Thurston County (Boston Harbor)	\$112.87	\$109.58	3.0%	F	6	6
Thurston County (Olympic View)	\$108.70	\$105.53	3.0%	F	7	7
City of Chehalis (in city limits)	\$98.50	\$98.50	0.0%	٧	8	8
City of Bellevue	\$96.05	\$81.88	17.3%	٧	9	11
Thurston County (Grand Mound)	\$94.91	\$92.15	3.0%	F	10	9
City of Centralia (in city limits)	\$87.33	\$87.33	0.0%	٧	11	10
City of Everett	\$83.22	\$80.90	2.9%	F	12	12
City of Yelm	\$82.35	\$78.28	5.2%	F	13	15
Average	\$81.47	\$78.44	3.9%			
City of Renton	\$80.74	\$78.49	2.9%	F	14	14
City of Snoqualmie	\$80.57	\$78.99	2.0%	F	15	13
City of Sumner	\$76.26	\$74.05	3.0%	V	16	16
City of Auburn	\$75.26	\$73.09	3.0%	F	17	17
City of Longview (in city limits)	\$73.83	\$73.07	1.0%	٧	18	18
City of Bremerton (in city limits)	\$72.23	\$72.23	0.0%	٧	19	19
City of Lacey	\$68.72	\$65.27	5.3%	F	20	21
City of Tacoma	\$68.68	\$68.27	0.6%	٧	21	20
City of Olympia	\$66.97	\$63.75	5.1%	F	22	23
City of Kelso	\$66.37	\$64.44	3.0%	F	23	22
City of Puyallup	\$65.43	\$61.81	5.9%	٧	24	25
City of Tumwater	\$64.13	\$61.92	3.6%	F	25	24
City of Orting	\$60.63	\$56.66	7.0%	F	26	26
City of Aberdeen	\$60.00	\$53.00	13.2%	F	27	28
Pierce County Sewer	\$57.34	\$53.89	6.4%	F	28	27
City of Mount Vernon	\$54.71	\$52.35	4.5%	٧	29	29
City of Edmonds	\$50.53	\$48.12	5.0%	F	30	30
City of Bellingham (in city limits)	\$49.10	\$46.68	5.2%	F	31	31
Lakehaven Sewer District	\$46.46	\$42.01	10.6%	٧	32	32
City of Vancouver	\$43.12	\$41.86	3.0%	V	33	33

## **Collaboration with Olympia**



**Capital Projects** 



**Deschutes Estuary** 



Septic Conversion Incentives



**Sea Level Rise** 



Public Health Emergency Support



Affordable Housing Support



**Water Conservation** 

2025-2030

**Upcoming Strategic Planning** 



# **Questions?**

Matt Kennelly, P.E., Executive Director lottcleanwater.org

