



**UTILITY ADVISORY COMMITTEE REGULAR MEETING
THURSDAY, MARCH 21, 2024**

COUNCIL CHAMBERS in CITY HALL
280 MADISON AVENUE NORTH
BAINBRIDGE ISLAND, WA

AND

REMOTE MEETING ON ZOOM
PLEASE CLICK THE LINK BELOW TO JOIN THE WEBINAR:

<https://bainbridgewa.zoom.us/j/85322271874>

OR TELEPHONE: 1 253 205 0468
WEBINAR ID: 853 2227 1874

AGENDA

1. CALL TO ORDER / ROLL CALL / PLEDGE OF ALLEGIANCE – 5:30 PM
2. APPROVAL OF AGENDA / CONFLICT OF INTEREST DISCLOSURE
3. PUBLIC COMMENT
4. REGULAR BUSINESS
 - A. Approve Minutes from 1/18/24 – 5 min
 - B. Update on Solid Waste objectives (Executive) - 15 min
 - C. Review and provide feedback on Stormwater Source Control Ordinance – 20 min
 - D. Review and provide feedback on Wastewater Pre-Treatment Ordinance – 20 min
 - E. Discuss progress / next steps on Comprehensive Plan Utility Element – 15 min
 - F. Update on 2024-28 Utility Capital Improvement Plan – 10 min
 - G. Look ahead schedule – 5 min
5. ADJOURNMENT



Meetings are wheelchair accessible. Assisted listening devices are available in Council Chambers. If you require additional ADA accommodations, please contact the City Clerk's Office at 206-780-8604 or cityclerk@bainbridgewa.gov by noon on the day preceding the meeting.

City Objectives for Solid Waste Management Contract

Last Updated: March 5, 2024

1. Maintain reliable services and strong customer support.
2. Enhance community aesthetics – fewer visible garbage cans on arterials.
3. Improve collection for hard to service areas.
4. Increase recycling and composting outreach and diversion.
5. Increase special item recycling – such as foam blocks, bulky waste, etc., like Ridwell.
6. Expand food and food packaging processing options.
7. Analyze anaerobic digester capabilities.
8. Control of waste stream for beneficial use.
9. Analyze the pros and cons of mandatory service for all residents of Bainbridge Island.
10. Reduce greenhouse gas emissions.
11. Minimize future rate impacts.

DRAFT

ORDINANCE NO. 2024-09

AN ORDINANCE of the City of Bainbridge Island, Washington, relating to adopting regulations on pollution source control for existing development and adding a new chapter 15.23 to Title 15 of the Bainbridge Island Municipal Code (BIMC)

WHEREAS, the City of Bainbridge Island (the “City”) is regulated under the National Pollutant Discharge Elimination System (“NPDES”) as implemented by Washington State Department of Ecology’s Western Washington Phase II Municipal Stormwater permit (“the Permit”); and

WHEREAS, the Department of Ecology reissued the Permit, effective August 1, 2019 through July 31, 2024; and

WHEREAS, the updated Permit includes new requirements for permittees to implement a Stormwater Source Control Program for Existing Development; and

WHEREAS, the City Council adopted the 2019 Stormwater Management Manual along with related updated and amended provisions in the BIMC on June 14, 2022; and

WHEREAS, the City Council desires to amend the BIMC to be consistent with Department of Ecology guidelines as provided in the Permit; and

WHEREAS, the City Council received a briefing on the Stormwater Source Control Program at the February 20, 2024 City Council Study Session; and

WHEREAS, the City’s Utility Advisory Committee received a briefing and provided feedback at their regular meetings of January 18, 2024 and March 21, 2024; and

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF BAINBRIDGE ISLAND, WASHINGTON, DOES ORDAIN AS FOLLOWS:

Section 1. A new Chapter 15.23 is added to Title 15 of the Bainbridge Island Municipal Code to read as follows

Chapter 15.23

POLLUTION SOURCE CONTROL FOR EXISTING DEVELOPMENT

Sections:

- 15.23.010 Purpose**
- 15.23.020 Definitions**
- 15.23.030 Applicability**
- 15.23.040 Administration**
- 15.23.050 General Provisions**
- 15.23.060 General Requirements**
- 15.23.070 Inspections and Investigations**
- 15.23.080 Enforcement**

15.23.010 Purpose.

The purpose of this chapter is to proactively regulate the city's municipal separate storm sewer system ("MS4 or stormwater drainage system") to prevent the introduction of pollutants from any existing development that generates pollution and discharges to the City's MS4. The intent of this chapter is to:

- A. Control the introduction of pollutants to the stormwater drainage system by any person and/or entity.
- B. Establish legal authority to carry out all inspection, surveillance and monitoring procedures necessary to ensure compliance with this chapter.
- C. Ensure compliance with Source Control requirements of the city's National Pollutant Discharge Elimination System ("NPDES") phase II municipal stormwater permit.

15.23.020 Definitions

- 1. Best management practices" or "BMPs" means physical, structural, and/or managerial practices that, when used singly or in combination, prevent and/or reduce pollution of water. BMPs are listed and described in the Stormwater Management Manual as adopted in BIMC 15.20.050
- 2. "Clean Water Act" means the federal Water Pollution Control Act (33 U.S.C. 1251 et seq.), and any subsequent amendments thereto.
- 3. "Municipal Separate Storm Sewer System (MS4)" or "stormwater drainage system" means the system of conveyances including sidewalks, roads with drainage systems, municipal streets, catchbasins, curbs, gutters, ditches, manmade channels, or storm drains owned and operated by the city and design or used for collecting or conveying

stormwater.

4. “National Pollutant Discharge Elimination System (NPDES) Phase II Permit” means the “Western Washington Phase II Municipal Stormwater Permit” issued by the Washington State Department of Ecology with an effective date of February 16, 2007 and subsequent reissues.
5. “Non-Stormwater discharge” means any discharge to the stormwater drainage system that is not composed entirely of stormwater.
6. “Pollutant” or “Pollution” shall be construed to mean such contamination or other alteration of the physical, chemical, or biological properties of any of the waters of the state including, change in temperature, taste, color, turbidity, or odor of the waters or such discharge of any liquid, gaseous, solid, radioactive, or other substance into any waters of the state as will or is likely to create a nuisance or render such waters harmful, detrimental, or injurious, to the public health, safety, or welfare, or to domestic, commercial, industrial, agricultural, recreational, or other legitimate beneficial uses, or to livestock, wild animals, birds, fish, or other aquatic life; as defined in RCW 90.48.020 as now existing or hereafter amended.
7. “Stormwater” means surface water runoff resulting from rainfall, snowmelt, or other precipitation.
8. “Wastewater” or “Process wastewater” means any liquid or water which, during manufacturing or processing, comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, byproduct, or waste product.
9. “Watercourse” and “river or stream” means any portion of a channel, bed, bank, or bottom waterward of the ordinary high water line of waters of the state including areas in which fish may spawn, reside, or through which they may pass, and tributary waters with defined bed or banks, which influence the quality of fish habitat downstream. This includes watercourses which flow on an intermittent basis or which fluctuate in level during the year and applies to the entire bed of such watercourse whether or not the water is at peak level. This definition does not include irrigation ditches, canals, stormwater run-off devices, or other entirely artificial watercourses, except where they exist in a natural watercourse which has been altered by humans.
10. “Waters of the state” means all lakes, rivers, ponds, streams, inland waters, underground waters, salt waters, and all other surface waters and water courses within the jurisdiction of the state of Washington as defined in RCW 90.48.

15.23.030 Applicability.

This chapter shall apply to all existing land uses and activities within the city jurisdiction that generate pollution and discharge to the city MS4.

15.23.050 Administration.

The public works director or designee shall administer this chapter and shall be referred to as the administrator. The administrator shall have the authority to develop and implement policy and procedures to administer and enforce this chapter.

15.23.050 General provisions.

A. All pollution generating sources associated with existing land uses and activities, as defined in the Permit, must implement applicable operational source control BMPs as specified in stormwater management manual as adopted in BIMC 15.20 in order to prevent pollutants from entering the City's stormwater drainage system.

B. If applicable operational source control BMPs fail to prevent illicit discharges or otherwise allow violations of surface, groundwater or sediment management standards, applicable structural source control BMPs, as specified in the stormwater management manual as adopted in BIMC 15.20, shall be implemented.

C. If the City's stormwater management manual lacks guidance for a specific source of pollutants, the City shall work with the owner/operator to implement or adapt BMPs based on the best professional judgement of the Administrator.

15.23.060 General Requirements

A. The administrator shall establish a site inventory that identifies publicly and privately owned institutional, commercial and industrial sites which have the potential to generate pollutants that reach the MS4. The site inventory shall generally include:

1. Businesses and/or sites identified based on the presence of activities that are pollutant generating. Appendix 8 of the current Permit (or equivalent reference in future versions) should be used to identify potential pollutant generating business types.
2. Any pollutant generating sources based on complaint response(s).

15.23.070 Inspections and investigations.

A. Facility and Property Inspections.

The administrator shall be permitted to enter and inspect facilities subject to regulation under this chapter as often as may be necessary to determine compliance with this chapter. If a property owner has security measures in force which require proper identification and clearance before entry into its premises, the property or facility owner/operator shall make the necessary arrangements to allow access to the administrator.

B. Facility and Property Access.

1. Facility operators shall allow the administrator ready access to all parts of the premises for the purposes of inspection, sampling, examination, and copying of records that must be kept under the conditions of an NPDES permit to discharge storm water, and the performance of any additional duties as defined by state and/or federal law.
2. Any temporary or permanent obstruction to safe and easy access to the facility to be inspected and/or sampled shall be promptly removed by the property owner at the written or oral request of the administrator and shall not be replaced. The costs of clearing such access shall be borne by the property owner.

C. Monitoring and Sampling.

1. The administrator has the right to install or require the property owner to install monitoring equipment as is reasonably necessary in the opinion of the administrator to conduct appropriate monitoring and/or sampling of the facility's storm water discharge. The facility's sampling and monitoring equipment shall be maintained at all times in a safe and proper operating condition by the property owner at his/her own expense. All devices used to measure storm water flow and quality shall be calibrated to ensure their accuracy.
2. All data shall be collected in accordance with a sampling and analysis plan that is approved by the administrator. (Ord. 2008-14 § 1, 2008)

15.20.080 Enforcement.

A. Failure to Comply. It is unlawful for any person to violate any provision or fail to comply with any of the requirements of this chapter.

B. Emergency Access and Reparation. In the event the violation constitutes an immediate danger to public health or safety, the administrator is authorized to enter upon the subject private property, without giving prior notice, to take any and all measures necessary to abate the violation and/or restore the property. Any expense related to such remediation undertaken by the city shall be fully reimbursed by the property owner and/or responsible party. Any relief obtained under this section shall not prevent the city from seeking further relief or applying other penalties as provided in this chapter.

C. Section here on prioritization of education and outreach for the initial 2 years after the effective date of the ordinance and/or new participants/sites.

D. Civil Infraction. Except as provided in subsection D of this section, conduct made unlawful by this chapter shall constitute a civil infraction and is subject to enforcement and fines as provided in BIMC [1.26.035](#). A civil infraction under this section shall be processed in the manner set forth in Chapter [1.26](#) BIMC.

E. Misdemeanor. Any person who, having been found in violation of this chapter, fails once again to abide by its regulations, commits a misdemeanor and is subject to the penalties provided in BIMC [1.24.010.A](#).

F. Civil Penalty. In addition to any civil infraction fine, criminal penalty, and/or other available sanction or remedial procedure, any person engaging in conduct made unlawful by this chapter shall be subject to a cumulative civil penalty in the amount of \$1,000 per day for each violation from the date set for compliance until the date of compliance. Any such civil penalty shall be collected in accordance with BIMC [1.26.090](#).

G. Additional Remedies.

1. In addition to any other remedy provided by this chapter or under the Bainbridge Island Municipal Code, the city may initiate injunction or abatement proceedings or any other appropriate action in courts against any person who violates or fails to comply with any provision of this chapter to prevent, enjoin, abate, and/or terminate violations of this chapter and/or to restore a condition which existed prior to the violation. In any such proceeding, the person violating and/or failing to comply with any provisions of this chapter shall be liable for the costs and reasonable attorneys' fees incurred by the city in bringing, maintaining and/or prosecuting such action.
2. Any person who violates any provision of this chapter may also be in violation of the Federal Clean Water Act, NPDES Phase II permit, and/or Chapter [90.48](#) RCW and may be subject to sanctions including civil and criminal penalties. Any enforcement action authorized under this chapter shall also include written notice to the violator of such potential liability. (Ord. 2016-28 § 8 (Exh. C), 2016: Ord. 2009-13 § 7, 2009: Ord. 2005-10 § 7, 2005: Ord. 98-31 § 1, 1999)

COBI SOURCE CONTROL PROGRAM DEVELOPMENT & IMPLEMENTATION

Draft 3.14.2024

Implementation Timeline Overview

Pre-Implementation (now – 30 June 2024)

- Enact ordinance (draft included)
 - Establishes requirements on existing land uses and activities (business sites)
 - Authorizes Director to create procedure and policy to implement
 - Creates Inspection Authority
 - Outlines Enforcement mechanisms
- Organize the Policy Document (see Puyallup example)
 - How will program be structured and executed within Public Works
 - Refine Site Inventory List (current inventory was completed in April 2022)
 - Define BMP requirements by site/activity type
 - Create inspection program (20% of sites per year) and associated checklist(s) for the type of business based on NAICS code/general classification.
 - Establish training program/requirements
- Develop and publish an Engage Bainbridge online engagement or similar community input

Program Initiation (1 July – 31 Dec 2024) – start date dependent on staffing resources

- Conduct broad education and outreach
 - Create online and physical education materials for businesses to reference and use such as for dumpster areas and sink areas.
 - F.O.G. program and Climate Change Waste Reduction Programs already exist and these materials should be in sync with those efforts.
 - Engage Bainbridge or similar community input

Inspections with Expectations of Education and Outreach (1 Jan 2025 – 31 Dec 2026)

- Initial/early inspections (potentially self-conducted) to continue inspections from 2022 (inspection requirement was not met in 2023)
- Efforts focused on education and outreach, identifying potential for future requirements requiring retrofit BMPs for existing sites (secondary containment, dumpster area roofs, grease interceptors, proper storage, service contracts for grease interceptors, septic tanks, parking lot sweeping, side sewer maintenance)

Inspection with Expectation of Corrections (1 Jan 2026 – 31 Dec 2027)

- Efforts focused on continued education and outreach, but added effort to focus on installing/implementing corrections/additions to BMPs where required

Inspections with Expectation of Enforcement (1 Jan 2028 to 1 July 2029)

- Efforts focused on continued education and outreach and requiring corrections/additions to BMPs where required, but with added expectation for escalating enforcement/penalties for sites not in compliance.

Other Program Development and Implementation Issues

- **Technology – Develop system for maintenance of the business inventory, inspections, education and enforcement action records**
- **Staffing, training, and authority – develop guidelines for staff completing business inventory, business inspections, enforcement, and providing training**
 - Recommendation is for 1 new part-time staff person in 2024 and ongoing into perpetuity to build business site inventory, conduct source control inspections and private stormwater system inspections, create materials and provide education and outreach, and coordinate on enforcement with code enforcement officer.
 - Recommendation is to provide training to staff and any necessary certifications to establish authority for enforcement.
- **Potential COBI enforcement mechanisms to assist source control**
 - New FOG ordinance = Operational and Structural BMPs
 - Review and update existing codes for maximum benefit, including escalating enforcement
 - Require install and regular maintenance of grease traps/interceptors and grease collection (maintenance contracts) = Operational and Structural BMPs
 - Require site cleaning practices (training programs, on-site spill kits, parking lot sweeping, kitchen floor pad cleaning services, building and site pressure washing, hood and vent cleaning, etc.) = Operational BMPs
- **Budget Considerations for Source Control Program**
 - Program budget funding source is likely from sewer fee & surface and storm water fee revenues.
 - Budget may need to include database software to create and maintain business inventory and inspection record keeping and for staff and/or consultant to oversee database
 - Education and outreach budget for materials.
 - Support for retrofitting of existing development/businesses could include an incentive program for retrofitting which would require additional budget

Below is a table of likely business types with an initial count based on the current COBI Business License inventory:

NAICS Group Description	Basic Business Type	COBI Site Counts	Operational & Structural BMPs Examples (ALL sites incl.: staff spills training, spill prevention and cleanup plans and team, spill kit(s), good housekeeping incl. parking and waste areas, site inspections, and recordkeeping)
Educational Services	Admin Services	10	Likely only basic All Sites BMPs
Rental and Leasing Services	Admin Services	4	Likely only basic All Sites BMPs
Support Activities for Animal Production	Animal Production	3	All + Storage and disposal of materials
Automotive Dealers and Gasoline Service Stations	Auto Station	4	All + Storage and disposal of materials + Washing areas + Fueling areas
Construction of Buildings	Construction	93	Likely only basic All Sites BMPs if NOT including work sites
Heavy and Civil Engineering Construction	Construction	7	Likely only basic All Sites BMPs if NOT including work sites
Repair and Maintenance	Construction	24	Likely only basic All Sites BMPs if NOT including work sites
Specialty Trade Contractors	Construction	40	Likely only basic All Sites BMPs if NOT including work sites
Food and Beverage Stores	Food and Beverage	22	All + Storage and disposal of materials + Grease interceptors
Food Services and Drinking Places	Food and Beverage	73	All + Storage and disposal of materials + Grease interceptors
Beverage, Food, and Tobacco Manufacturing	Manufacturing	33	All + Storage and disposal of materials
Chemical Manufacturing	Manufacturing	8	All + Storage and disposal of materials
Electrical Equipment, Appliance, and Component Manufacturing	Manufacturing	3	All + Storage and disposal of materials
Fabricated Metal Product Manufacturing	Manufacturing	4	All + Storage and disposal of materials
Machinery, Computer, and Electronic Product manufacturing	Manufacturing	1	All + Storage and disposal of materials
Nonmetallic Mineral Product Manufacturing	Manufacturing	5	All + Storage and disposal of materials
Plastics and Rubber Product Manufacturing	Manufacturing	1	All + Storage and disposal of materials
Transportation Equipment Manufacturing	Manufacturing	3	All + Storage and disposal of materials
Wood Product Manufacturing	Manufacturing	14	All + Storage and disposal of materials
Museums, Historical Sites, and Similar Institutions	Museum	5	Likely only basic All Sites BMPs
Printing and Related Support Activities	Printing	4	All + Storage and disposal of materials
Building Materials, Hardware, Garden Supplies Dealers	Supplier/Warehouse	14	All + Storage and disposal of materials
Truck Transportation and Warehousing	Supplier/Warehouse	1	All + Storage and disposal of materials
Transit and Ground Passenger Transportation	Transportation	1	All + Storage and disposal of materials + Washing areas + Fueling areas
Utilities	Utilities	1	Likely only basic All Sites BMPs if NOT including work sites
Wholesale Trade – Durable Goods or Nondurable Goods	Wholesale Trade	12	All + Storage and disposal of materials

Below is a table of common source control BMP's grouped by area or activity that would likely be part of the inspection program

Inspection by Area/Activity and Common Source Control BMPs.	
Area or Activity ^a	Common Source Control BMPs ^b
Outdoor storage areas	- Raw materials, by-products, and finished products are covered - Raw materials, by-products, and finished products are located away from storm drains - Chemicals, drums, and bagged materials are stored off the ground - Drip pans or containers are used where leaks could occur - Storage areas are designed to prevent stormwater runoff or run-on
Waste handling and disposal	- Waste dumpsters are closed and not leaking - Grease containers are closed, not leaking, no drips or spills on the ground - Mats and racks are cleaned in locations that are not directed to the storm drainage system
Hazardous wastes	- Materials are labeled, covered, and stored in secondary containment - Secondary containment is free from spills and water exposure - Waste disposal records are kept up to date^c - Universal waste is properly stored and disposed^c
Fueling areas	- Fueling areas are covered and on a concrete surface - Fueling areas have no stormwater runoff or run-on - Spill response kit(s) are readily accessible - Aboveground tanks are double-walled or have secondary containment
Equipment and vehicle washing and repair	- Vehicles are washed at a designated wash rack area with disposal to the sanitary sewer system (properly constructed and permitted, if required), washwater is collected and disposed properly, or vehicles are washed off-site at a professional wash facility that discharges to the sanitary sewer system - Non-operational vehicles and equipment are drained of fluids and/or drips are controlled
Loading/unloading areas	- Areas are managed to reduce exposure to rain - Storm drains are covered during material transfer
Outdoor work activities	- Track out of materials is controlled - Work is conducted within contained or covered areas as necessary
Spill plan	Spill plan is posted in a visible area and employees are aware of location
Spill kit	- Spill kit(s) are properly stocked - Spill kit location(s) are marked on a map contained in the spill plan
Building exterior and grounds	- Dry methods are used to clear litter and debris - Pressure washing water is collected and disposed properly - Parking and driveway areas are relatively free of staining - The site is free of litter and debris
Storm drainage systems	- Catch basins, on-site stormwater management/flow control/runoff treatment BMPs/facilities are maintained according to standards - Catch basins/manholes are labeled
Illicit connections	Indoor drains are connected to the sanitary sewer system or an on-site septic system

^a Scope of inspection should include areas with potential connection to stormwater impacts, typically outdoors.

^b Common source control BMPs are listed here for convenience. Refer to the Stormwater Management Manual for Western Washington (SWMWW) or functionally equivalent manuals approved by Ecology for additional detail.

^c Note that source control regulations may not have jurisdiction over waste disposal.

Repeal 13.12.070 through 13.12.320

WASTEWATER PRETREATMENT

TABLE OF CONTENTS

13.12.070 Purpose and Policy
13.12.080 Administration
13.12.090 Abbreviations
13.12.100 Definitions
13.12.110 Prohibited Discharge Standards
13.12.120 National Categorical Pretreatment Standards
13.12.130 State Pretreatment Standards
13.12.140 Local Limits
13.12.150 Maximum Daily Concentration Allowed
13.12.160 Reporting Requirements
13.12.170 Discharge of Dangerous Waste
13.12.180 Explosion Meter Readings
13.12.190 Amalgam Separators
13.12.200 Compliance with Applicable Pretreatment Requirements
13.12.210 Commercial and Industrial Pre-Treatment Policies
13.12.220 Fats, Oils and Grease (F.O.G) Pretreatment Required
13.12.230 Grease Removal System Required-When
13.12.240 F.O.G. Policies
13.12.250 Right of Revision
13.12.260 Wastewater Discharge Permitting-Extrajurisdictional Users
13.12.280 Public Hearing
13.12.290 Monitoring Facilities
13.12.300 Inspection of Facilities
13.12.310 Right to Enter
13.12.320 Notification of Changes in Discharge
13.12.330 Discharge of Hazardous Waste-Permit Required
13.12.340 Violation Remedies
13.12.350 Violations
13.12.360 Enforcement Response Plan
13.12.370 Administrative Fines-Civil Penalties
13.12.380 Civil Liability for Expenses and Fines
13.12.390 Administrative Appeal
13.12.400 Judicial Review
13.12.410 Criminal Penalties

WASTEWATER PRETREATMENT

ORDINANCE NO. XYZ

13.12.070 Purpose and Policy

This ordinance or chapter sets forth uniform requirements for users of the publicly owned treatment works (POTW) for the City of Bainbridge Island and enables the city of comply with all applicable state and federal laws, including the Clean Water Act (33 USC 1251 et seq.) and the General Pretreatment Regulations (40 CFR Part 403) of the United States Code of Federal Regulations. This chapter is intended to:

- A. To prevent the introduction of pollutants into the POTW that will interfere with the operation of the POTW;
- B. To prevent the introduction of pollutants into the POTW which will pass through the POTW, inadequately treated, into receiving waters or otherwise be incompatible with the POTW;
- C. To ensure that the quality of the wastewater treatment plant biosolids is maintained so its intended purpose and disposal remain in compliance with applicable statutes and regulations;
- D. To protect the POTW personnel who may be affected by wastewater, wastewater solids, and biosolids in the course of their employment and to protect the general public;
- E. To improve the opportunity to recycle and reclaim wastewater and biosolids from the POTW treatment plant.
- F. Enable the City to support the implementation of a pretreatment program meeting Washington State rules in Chapter 173-216 WAC, federal rules of 40 CFR part 403, conditions of its National Pollutant Discharge Elimination System (NPDES) permit, sludge use and disposal requirements, and any other federal or state laws to which the POTW is subject.

13.12.080 Administration

This chapter shall apply to all users connected to the POTW to the sanitary sewer collection system. The chapter compels the production of information, authorizes the issuance of wastewater discharge permits; provides for monitoring, compliance, and enforcement activities; establishes administrative review procedures; requires user reporting; and provides for the setting of fees for the equitable distribution of costs resulting from the program established herein.

13.12.090 Abbreviations

The following abbreviations, when used in this ordinance, shall have the designated meanings:

BOD - Biochemical Oxygen Demand
BMP - Best Management Practice
CFR - Code of Federal Regulations
CIU - Categorical Industrial User
EPA - U.S. Environmental Protection Agency
gpd - gallons per day
mg/l - milligrams per liter
NPDES - National Pollutant Discharge Elimination System
NSCIU - Non-Significant Categorical Industrial User
POTW - Publicly Owned Treatment Works
RCRA - Resource Conservation and Recovery Act
SIU - Significant Industrial User
TSS - Total Suspended Solids
U.S.C. - United States Code

13.12.100 Definitions

Unless a provision explicitly states otherwise, the following terms and phrases, as used in this ordinance, shall have the meanings hereinafter designated.

- A. Biochemical Oxygen Demand or BOD. The quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedures for five (5) days at 20 degrees centigrade, usually expressed as a concentration (e.g., mg/l).
- B. Best Management Practices or BMPs means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to implement the prohibitions listed in Section 2.1 A and B [40CFR 403.5(a)(1) and (b)]. BMPs may also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw materials storage.
- C. Categorical Pretreatment Standard or Categorical Standard. Any regulation containing pollutant discharge limits promulgated by EPA in accordance with Sections 307(b) and (c) of the Act (33 U.S.C. Section 1317) which apply to a specific category of users and which appear in 40 CFR Chapter I, Subchapter N, Parts 405-471

- D. Categorical Industrial User. An Industrial User subject to a Categorical Pretreatment Standard or Categorical Standard.
- E. Composite Sample. A representative composite of samples of a waste stream taken throughout the period of a day when discharges are produced by a regulated activity. Composite samplers must interface with a flow metering device to produce a representative “flow proportionate” composite sample unless the [Superintendent] has determined that a flow proportionate samples are not required or the analyte is not amenable to composite sampling (pH, temperature, oil, etc.).
- F. Daily Concentration. The concentration obtained through analysis of a composite sample of all discharges over a day (or 24-hour period) or the average of all discrete samples taken over such period.
- G. Daily Limit (Maximum Daily Limit). The maximum allowable discharge of a pollutant over a calendar day or equivalent 24-hour period. Where daily limits are expressed in units of mass, compliance is the product of the Daily Concentration and the flow over the same period.
- H. Grab Sample. A sample which is taken from a wastestream without regard to the flow in the wastestream and over a period of time not to exceed fifteen (15) minutes.
- I. Indirect Discharge or Discharge. The introduction of pollutants into the POTW from any nondomestic source subject to this Ordinance or other State or Federal regulations.
- J. Instantaneous Limit. The maximum concentration of a pollutant allowed to be discharged at any time, determined from the analysis of a discrete sample. For analytes for which Users must take a grab sample for compliance purposes, this standard is the same as the Daily Maximum standard. For all other pollutants the Instantaneous Limit shall be twice the Daily Limit.
- K. Interference. A discharge which causes (either by itself or in combination with other discharges) a violation of the City's NPDES permit or prevents the intended sewage sludge use or disposal by inhibiting or disrupting the POTW, including its collection systems, pump stations, and wastewater and sludge treatment processes. For example, a discharge from a User which causes a blockage resulting in a discharge at a point not authorized under the City’s NPDES permit.
- L. Local Limits. Effluent limitation developed for Users by the [Superintendent] to specifically protect the POTW from the potential of Pass Through, Interference, and intended biosolids uses. Such limits shall be based on the POTW’s site-specific flow and loading capacities, receiving water considerations, and reasonable treatment

expectations for non-domestic wastewater. See section 2.4 for a full list of Local Limits.

- M. Medical Waste. Isolation wastes, infectious agents, human blood and blood products, pathological wastes, sharps, body parts, contaminated bedding, surgical wastes, potentially contaminated laboratory wastes, and dialysis wastes.
- N. Monthly Average. The arithmetic mean of the effluent sample results collected during a calendar month or specified 30-day period. Where the Control Authority has taken a sample during the period, it must be included in the monthly average if provided in time. However, where composite samples are required, grab samples taken for process control or by the Control Authority are not to be included in a monthly average.
- O. Monthly Average Limit. The limit to be applied to the Monthly Average to determine compliance with the requirements of this ordinance.
- P. Pass Through. A discharge which exits the POTW into waters of the United States in quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the City's NPDES permit, including an increase in the magnitude or duration of a violation.
- Q. pH. A measure of the acidity or alkalinity of a solution, expressed in standard units.
- R. Pollutant. Dredged spoil, solid waste, incinerator residue, filter backwash, sewage, garbage, sewage sludge, munitions, medical wastes, chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, cellar dirt, municipal, agricultural and industrial wastes, and certain characteristics of wastewater (e.g., pH, temperature, TSS, turbidity, color, BOD, Carbonaceous Oxygen Demand, toxicity, or odor).
- S. Pretreatment. The reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutant properties in wastewater prior to, or in lieu of, introducing such pollutants into the POTW. Dilution is not considered pretreatment.
- T. Pretreatment Requirements. Any substantive or procedural requirement related to pretreatment imposed on a user other than a pretreatment standard such as the proper operation of pretreatment devices, record keeping, and reporting.
- U. Pretreatment Standards or Standards. Discharge prohibitions (section 2.1), categorical pretreatment standards (section 2.2), state pretreatment standards (section

2.3), local limits (section 2.4), and site specific limits based on potential for vapor toxicity, explosion, sewer corrosion, or other detrimental effects to the POTW.

- V. Publicly Owned Treatment Works (POTW). A treatment works, as defined by Section 212 of the Act (33 U.S.C. Section 1292), which is owned by the City. This definition includes any devices or systems used in the collection, storage, treatment, recycling, and reclamation of sewage or industrial wastes of a liquid nature and any conveyances which convey wastewater to a treatment plant.
- W. Slug Load or Slug Discharge. Any Discharge of a non-routine, episodic nature, including but not limited to an accidental spill or a non-customary batch Discharge, which has a reasonable potential to cause Interference or Pass Through, or in any other way violate the POTW's regulations, local limits or Permit conditions. This includes discharges at a flow rate or concentration which could cause a violation of the prohibited discharge standards of this ordinance
- X. Director. The Public Works Director responsible to supervise the operation of the POTW, and who is charged with certain duties and responsibilities by this ordinance. The term also means a duly authorized representative of the Director].
- Y. Suspended Solids. The total suspended matter that floats on the surface of, or is suspended in, water, wastewater, or other liquid, and which is removable by laboratory filtering.
- Z. Wastewater Treatment Plant or Treatment Plant. That portion of the POTW which is designed to provide treatment of municipal sewage and industrial waste.

GENERAL SEWER USE REQUIREMENTS

13.12.110 Prohibited Discharge Standards

- A. General Prohibitions. No user shall introduce or cause to be introduced into the POTW any pollutant or wastewater which causes pass through or interference. These general prohibitions apply to all users of the POTW whether or not they are subject to categorical pretreatment standards or any other national, state, or local pretreatment standards or requirements.
- B. Specific Prohibitions. No User shall introduce or cause to be introduced into the POTW the following pollutants, substances, or wastewater:
 - 1. Pollutants which create a fire or explosive hazard in the POTW, including but not limited waste streams with a closed-cup flashpoint of less than 140 degrees

F (60 degrees C) using the test methods specified in 40 CFR 261.21.

2. Wastewater having a pH less than 5.0 or more than 11.0, or otherwise having any other corrosive structural damage to the POTW or equipment;
3. Solid or viscous substances in amounts which may cause obstruction to the flow in the collection/conveyance system or with the POTW treatment plant resulting in interference, but in no case shall solids greater than 1/4 inch to be discharged;
4. Pollutants, including oxygen-demanding pollutants (BOD, etc.), released in a discharge at a flow rate and/or pollutant concentration which, either singly or by interaction with other pollutants, will cause interference with the POTW.
5. Wastewater having a temperature which will interfere with the biological activity in the system, has detrimental effects on the collection system, or prevents entry into the sewer. In no case shall wastewater be discharged which causes the wastewater temperature at the treatment plant to exceed 104 degrees F (40 C) or the temperature to exceed 150 degrees F (65 C) at the point of discharge to the public sewers, be allowed.
6. Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin, in amounts that will cause interference or pass through.
7. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems.
8. Trucked or hauled pollutants (including domestic sewage or septic tank wastes), except at discharge points designated by the Director.
9. Noxious or malodorous liquids, gases, solids, or other wastewater which, either singly or by interaction with other wastes, are sufficient to create a public nuisance or a hazard to life, or to prevent entry into the sewers into the POTW for maintenance or repair.
10. Wastewater which imparts color which cannot be removed by the treatment process, such as, but not limited to, dye wastes and vegetable tanning solutions, which consequently imparts color to the treatment plant's effluent, thereby violating the City's NPDES permit.
11. Wastewater containing any radioactive wastes or isotopes except in compliance with applicable State or Federal regulations.

12. Storm water, surface water, ground water, artesian well water, roof runoff, subsurface drainage, swimming pool drainage, condensate, deionized water, noncontact cooling water, and unpolluted wastewater, unless specifically authorized by the Public Works Director.
13. Sludges, screenings, or other residues from the pretreatment of industrial wastes;
14. Medical or dental wastes, except as specifically authorized by the Director in a wastewater discharge permit;
15. Wastewater causing, alone or in conjunction with other sources, the treatment plant's effluent to fail toxicity test;
16. Detergents, surface-active agents, or other substances which may cause excessive foaming in the POTW;
17. Animal entrails, bones, hair hides, fleshings, whole blood, feathers, ashes, cinders, sand, spent lime, stone or marble dusts, metal, glass, straw, shavings, grass clippings, rags, spent grains, spent hops, waste paper, wood, plastics, gas, tar asphalt residues, residues from refining or processing of fuel or lubricating oil, mud, glass grindings or polishing wastes in amounts that cause interference in the POTW;
18. Any substance which will cause the POTW treatment plant to violate its NPDES and/or any other disposal system permits;
19. Any wastewater that can cause harm to the sewers, sewage treatment process, or equipment have an adverse effect on the receiving stream; or can endanger life, limb, public property, or constitute a nuisance;
20. Persistent pesticides and/or pesticides regulated by the Federal Insecticide Fungicide Rodenticide Act (FIFRA);
21. Any substance which may cause the POTW treatment plant's effluent or treatment residues, sludge, or scums to be unsuitable for reclamation and reuse, or interfere with the reclamation process;
22. Fats, oils, or greases of animal or vegetable origin in concentrations greater than three hundred (300) mg/l, or Total Petroleum Hydrocarbon concentrations of no more than one hundred (100) mg/l.

23. Any slug load;
24. Wastewater causing two readings on an explosion hazard meter at the point of discharge into the POTW, or at any point in the POTW, of more than ten percent (10%) or any single reading over twenty percent (20%) of the Lower Explosive Limit based on an explosivity meter reading.

Pollutants, substances, or wastewater prohibited by this section shall not be processed or stored in such a manner that they could be discharged to the POTW.

13.12.120 National Categorical Pretreatment Standards

The categorical pretreatment standards found at 40 CFR Chapter I, Subchapter N, Parts 405-471 are hereby incorporated herein by reference as if set forth in full in this chapter.

13.12.130 State Pretreatment Standards

Washington State pretreatment standards and requirements, located at Chapter 173-216 WAC, were developed under authority of the Water Pollution Control Act, Chapter 90.48 RCW and are hereby incorporated herein by reference as if set forth in full in this chapter.

13.12.140 Local Limits

The following pollutant limits are established to protect against pass through to receiving waters and interference with the operation of the POTW and safety of utility workers. No significant industrial user, nonsignificant industrial user, or person shall discharge wastewater in excess of the following daily maximum allowable discharge limits. In addition, the Director shall apply all or some of the limits set forth below as the director deems appropriate and designates in the user's permit:

Ammonia	33.0 mg/l
Arsenic	0.5 mg/l
BOD5	300 mg/l
Cadmium	0.5 mg/l
Chromium	2.0 mg/l
Copper	2.0 mg/l
Cyanide	1.0 mg/l
Lead	1.5 mg/l
Mercury	0.0003 mg/l
Molybdenum	3.0 mg/l
Nickel	1.5 mg/l
Nitrogen	50 mg/l
Total Phenols	10 mg/l

TSS	200 mg/l
Selenium	0.5 mg/l
Silver	0.5 mg/l
Zinc	1.5 mg/l
Fats, oils and grease (polar)	100 mg/l
Fats, oils and grease (nonpolar)	100 mg/l
pH	5.0 to 11.00

In addition to the above concentration limits and those contained in the categorical standards, the Director may also impose mass limits if necessary for the protection of the POTW treatment plant facility and/or sludge disposal. Such poundage limits shall be derived using the following formula:

$$\text{Pounds/day} = (\text{conc. in mg/l}) \times (\text{gal. discharge/day}) \times 8.34$$

*In million gallons discharged per day, ie., 100 gallons is represented by 0.000100 in million gallons.

The above limits apply at the point where the wastewater is discharged to the POTW (end of pipe). Categorical pretreatment standards apply at the end of the process. However, the Director may elect to have local limits apply after pretreatment and/or prior to mixing with dilution flows.

All concentrations for metallic substances are for "total" metal unless indicated otherwise. The Director may impose mass limitations in addition to (or in place of) the concentration-based limitations above.

Where a user is subject to a categorical pretreatment standard and a local limit for a given pollutant, the more stringent limit or applicable pretreatment standard shall apply.

13.12.150 Maximum daily concentration allowed.

Unless otherwise provided in this chapter, the maximum daily allowable concentration for all commercial and industrial users, including both categorical and noncategorical industrial users is violated under the following circumstances.

- A. The arithmetic mean of concentrations for eight consecutive samples collected within a 24-hour time period over intervals of 15 minutes or greater is in excess of the limitation.
- B. The concentration value obtained from a composite sample that is representative of the 24 hour discharge is in excess of the limitation.
- C. The concentration of any single sample (whether as a single grab sample or a sample within a series) exclusive of any fats, oils, and grease exceeds the limitation by a factor of two and one-half times.

- D. The arithmetic mean of the concentration of fats, oils, or greases for three grab samples, taken no more frequently than a five-minute intervals, exceeds the limitation.

13.12.160 Reporting requirements

A violation shall occur if any reporting requirements established by permit, agreement, accidental discharges, upset conditions, written request of the Director, or as specified by general pretreatment standards 40 CFR 403.12, are not complied with, and may be subject to enforcement actions as outlined in the enforcement response plan.

13.12.170 Discharge of dangerous waste.

A violation shall occur if any dangerous waste, as defined in Chapter 173-303 WAC, is discharged into any public sewer, unless authorized by the City in a discharge permit.

13.12.180 Explosion meter readings

A violation shall occur if the reading on an explosion meter at any point in the POTW is greater than 10 percent of the lower explosive limit for a single reading or greater than five percent for two successive readings.

13.12.190 Amalgam Separators

The director may specify additional requirements for dental facilities that remove or place amalgam fillings.

- A. All users of and dischargers from dental facilities that remove or place amalgam fillings shall comply with the following waste management practices:
1. No person shall rinse chair-side traps, vacuum screens, or amalgam separator equipment in a sink or other connection to the sanitary sewer.
 2. Users of and dischargers from dental facilities shall ensure that all staff members who handle amalgam waste are trained in the proper handling, management, and disposal of mercury-containing material and fixer-containing solutions, and shall maintain training records that shall be available for inspection by the director during normal business hours.
 3. Amalgam waste shall be stored and managed in accordance with the instructions of the recycler or hauler of such materials.
 4. Bleach and other chlorine-containing disinfectants shall not be used to disinfect the vacuum line system.
 5. The use of bulk mercury is prohibited. Only pre-capsulated dental amalgam is permitted.
- B. All users of and dischargers from dental vacuum suction systems shall comply with the following:

1. An ISO 11143 certified amalgam separator or comparable device shall be installed for each dental vacuum suction system on or before one year of the effective date of this title; provided, however, that all dental facilities that are newly constructed on and after the effective date of this title shall include an installed ISO 11143 certified amalgam separator or comparable device. The installed device must be ISO 11143 certified or comparable as capable of removing a minimum of 99 percent of total mercury. The amalgam separator system shall be certified at flow rates comparable to the flow rate of the actual vacuum suction system operation. Neither the separator may be accepted; provided, that smaller units from the same manufacturer and of the same technology are ISO-certified or comparable. Alternative materials and methods shall be proposed to the Director for approval.
2. Proof of certification and installation records shall be submitted to the Director within 30 days of installation.
3. Amalgam separators shall be maintained in accordance with manufacturer's recommendations. Installation, certification, and maintenance records shall be available for immediate inspection upon request by the Director during normal business hours.
4. All service and maintenance activities performed on the amalgam separator shall be documented on the City's dental facility maintenance record. This record shall be posted on site and submitted to the City as documented in the mercury removal control plan.

13.12.200 Compliance with applicable pretreatment requirements.

New and existing commercial and industrial users that exceed local limits, shall install and have in operating condition all pollution control equipment required to meet applicable standards in this chapter prior to discharging to the POTW. New commercial and industrial users that the Director determines may exceed local limits shall install and have in operating condition all pollution control equipment required to meet applicable standards of this chapter prior to discharging to the POTW. Existing commercial and industrial users that exceed local limits, shall install pollution control equipment required to meet applicable standards in this chapter within 18 months of a written letter by the City.

Existing Commercial and Industrial users in business prior to the approval of this ordinance or chapter shall be eligible for a one-time 50% rebate up to a maximum of \$5,000 for installation of pollution control equipment by December 31, 2025.

The business shall obtain a City permit and approved final inspection prior to receiving the rebate. An invoice shall be provided with the permit for verification of the construction evaluation and shall expire December 31, 2025.

13.12.210 Commercial and Industrial Pre-Treatment Policies

The Director shall publish and update a pre-treatment policy for commercial and industrial businesses that includes but is not limited to: pre-treatment permits, pre-treatment control plans, type of sampling and frequency, pretreatment facilities installation and maintenance.

13.12.220 Fats, Oils and Grease (F.O.G.) pretreatment required.

All food service establishments that serve or prepare food or any other establishment from which a considerable amount of FOG may be introduced to the sewer system shall have an adequate grease removal system installed and/or exercise proper kitchen best management practices to ensure that excess concentrations of FOG are not discharged to the POTW.

These pretreatment facilities must be approved grease removal systems installed in the waste line leading from sinks, drains, mop sinks, or other fixtures where FOG may be discharged. The grease removal systems must meet, at a minimum, the specifications of the current Uniform Plumbing Code as adopted by the City at the time of construction. Dischargers must maintain these systems in a manner that will always prevent fat waste, oil or grease from being carried into the sewer system. Fat waste, oil or grease removed from such a system shall not be disposed of in sanitary or storm sewers.

Containment of fats, oils and grease shall be in approved containers and the surrounding area clean of any residue. Containers shall be inside a covered enclosure that is kept clean and capable of containing any and all spillage from the containers.

13.12.230 Grease removal system required-When

- A. If any food service establishment where FOG maybe introduced to the sewer system are sold or leased, and the new owners or operators must apply for a business license, they shall be required to install or connect to a grease removal system within six months. In the event that an existing business is not capable of fully utilizing the existing grease removal system due to faulty or incomplete plumbing, or existing grease removal system is inadequate, the business shall, within 12 months of notification, make whatever corrections or upgrades necessary to bring the system in compliance. The City shall approve of all control plans or installations of grease removal systems.
- B. Existing food service establishment where FOG maybe introduced to the sewer system shall be required to install or connect to a grease removal system within 18 months of notification in writing by the City.
- C. Existing business prior to the approval of this ordinance or chapter shall be eligible for a one-time up 50% rebate for a maximum of \$2,500 on installation of grease removal systems for each restaurant that brings its business into compliance with FOG local limits. The business shall obtain a City permit and approved final inspection prior to receiving the rebate. An invoice shall be provided with the permit for verification of the

construction evaluation and shall expire December 31, 2025.

13.12.240 F.O.G. Policies

The Director shall publish and update a F.O.G. policy that includes but is not limited to: F.O.G. permits, F.O.G control plans, washing facilities, F.O.G. pretreatment facilities installation and maintenance, grease facilities sizing, grease removal additives.

13.12.250 Right of revision.

The city reserves the right to amend this chapter, and any permits issued under it, to provide for more stringent limitations or requirements on discharges to the POTW if such amendments are deemed necessary to comply with the objectives set forth in this chapter, or are otherwise in the public interest. No vested right shall be created by the issuance of any permit under this chapter.

13.12.260 Administrative Policies-Permits

Except as otherwise provided herein the director shall administer, implement, and enforce the provisions of this chapter and policies. Any powers granted to or duties imposed upon the director may be delegated by the director to other city of Bainbridge Island personnel. The director shall create administrative policies to implement the provisions of this chapter.

13.12.270 Wastewater discharge permitting – Extrajurisdictional users.

The director has the authority to negotiate and enter into interjurisdictional agreements to enforce the pretreatment requirements outside of jurisdictional boundaries, setting forth the responsibility of both parties with respect to pretreatment functions and making provisions of the city ordinance enforceable in the jurisdiction in which the commercial and industrial user is located.

Commented [AC1]: Sewer District 7

13.12.280 Public hearing.

Public hearings may be requested in accordance with WAC [173-216-100](#).

13.12.290 Monitoring facilities.

Whenever required by the director, a discharger shall provide, maintain and operate, at the discharger's own expense, a monitoring facility to allow inspection, sampling, and flow measurement of all discharges into the sewer system, as required by the city to assure compliance with this chapter. Each monitoring facility shall be situated on the discharger's premises, except that if such a location would be impractical or cause undue hardship on the discharger, the city may allow such facility to be constructed in an accessible public street or sidewalk area, located so that it will not be obstructed by landscaping or parked vehicles.

There shall be ample room in or near such sampling facility to allow accurate sampling and preparation of samples for analysis by the discharger and the city. The facility, sampling, and

measuring equipment shall be maintained at all times in a safe and proper operating condition at the expense of the discharger.

All monitoring facilities shall be constructed and maintained in accordance with all applicable construction standards and specifications. Construction of monitoring facilities for existing dischargers shall be completed within 180 days of receipt of notice to do so by the director. Construction of monitoring facilities shall be completed by a new discharger prior to discharging wastewater into the POTW.

13.12.300 Inspection of facilities.

The city of Bainbridge Island may inspect the wastewater facilities and equipment of any POTW user at any time during normal business hours to ascertain whether the applicable city ordinances, rules and regulations, industrial wastewater discharge permit requirements and applicable national categorical pretreatment standards are being met. Persons or occupants of premises where industrial wastewater is produced or discharged shall allow any authorized representative of the director ready access at all reasonable times to all parts of the premises for the purpose of inspection, sampling, record examination or in the performance of his official duties as a POTW employee. The city of Bainbridge Island shall have the authority to set up, on the user's property, such devices as are necessary to conduct sampling, inspection, compliance monitoring or flow metering operations. Where a discharger has security measures in force which would require proper identification and clearance before entry onto their premises, the discharger shall make all necessary arrangements with their security personnel so that upon suitable and proper identification, authorized wastewater management personnel, including but not limited to employees of the city, the Washington State Department of Ecology, and the U.S. Environmental Protection Agency, will be permitted to enter the premises without delay for the purpose of performing their specific responsibilities and duties.

13.12.310 Right to enter.

In the event that the director or his designee is refused admission to the discharger's premises, the director may cause water service to the premises in question to be discontinued until the POTW agents have been afforded reasonable access to the premises to accomplish any required inspection, sampling or flow monitoring.

13.12.320 Notification of changes in discharge.

All commercial or industrial users shall promptly notify the POTW treatment plant in advance of any substantial change in the volume or character of pollutants in their discharge, including the listed or characteristic hazardous waste for which the commercial or industrial user has submitted initial notification as required by [40 CFR 403.12\(p\)](#), as now existing or hereafter amended.

13.12.330 Discharge of hazardous waste – Permit required.

The city prohibits discharge of all dangerous waste as defined in Chapter [173-303](#) WAC unless authorized specifically by a discharge permit issued by the city.

Enforcement

13.12.340 Violations – Remedies.

Whenever the director or his designee finds that any person has violated or is violating any of the provisions of this chapter or policies, they may take one or more of the following actions:

- A. Emergency suspension of service and permit;
- B. Termination of treatment services and permit revocation;
- C. Notice of violation and administrative order;
- D. Assess civil penalties;
- E. Seek criminal penalties; or
- F. Seek any other legal or equitable remedy.

13.12.350 Violations.

The enforcement provisions specified in this title apply to all classes of users to the extent such user violates any provision of this title or administrative order of the director pursuant to this title. In order to achieve the maximum degree of compliance desired, the city may use a variety of enforcement mechanisms as provided in the enforcement response plan (ERP). The enforcement mechanisms may range from informal administrative action, to a request for criminal prosecution. The city may, at its discretion, implement the use of any mechanism or the concurrent use of several mechanisms in order to enforce the provisions of this title. The enforcement mechanisms provided herein may be cumulative in respect to such other enforcement mechanisms or civil and criminal penalties as may be otherwise available under the laws of the state of Washington and the United States of America.

Nothing in this title is intended to prevent the state and/or federal regulatory agencies from undertaking enforcement actions as may otherwise be available due to a violation of this title which also constitutes a violation of federal or state statutes and regulations.

13.12.360 Enforcement response plan.

An enforcement response plan shall be approved by the director to meet the requirements of [40](#) CFR Part [403](#) of the Clean Water Act and state of Washington waste discharge requirements.

The enforcement response plan, attached hereto, with subsequent revisions as periodically approved by the director, shall outline various administrative actions the director may take for any violation of this title, including civil penalties, criminal penalties and civil liability suits.

When the director finds that a user has violated or continues to violate any provisions of this title, a wastewater discharge permit or order issued hereunder or any other pretreatment standard or requirement, the director may serve upon that user a notice of violation (NOV). Within 10 days of the receipt of this notice, an explanation of the violation and a plan for the satisfactory correction and prevention thereof, to include specific required actions, shall be submitted by the user to the director. Submission of this plan in no way relieves the user of liability for any violations occurring before or after receipt of the notice of violation. Nothing in this section shall limit the authority of the director to take any action, including emergency actions or any other enforcement action, without first issuing a notice of violation.

13.12.370 Administrative fines – Civil penalties.

- A. When the director finds that a user has violated, or continues to violate, any provision of this title, a wastewater discharge permit or order issued hereunder, or any other pretreatment standard or requirement, the director may fine such user in an amount determined pursuant to the enforcement response plan. In addition, the city may issue administrative complaints, conduct administrative hearings, and/or impose civil penalties in accordance with the procedures set forth in this chapter for violation of the city's requirements set forth in this title. The amount of any civil penalties imposed under this section which have remained delinquent for a period of 60 days shall constitute a lien against the real property of the discharger from which the discharge originated resulting in the imposition of the civil penalty.
- B. Unpaid charges, fines, and penalties may, after 30 calendar days, be assessed an additional penalty of the unpaid balance, which shall also become a lien against the user's real property from which the discharge originated.
- C. Issuance of an administrative fine shall not be a bar against, or a prerequisite for, taking any other action against the user.
- D. The maximum credible penalty shall be \$10,000 per violation per day, for penalties applicable to general violations of the pretreatment ordinance.
- E. Users desiring to dispute the imposition of a fine must file a written request for the director to reconsider the fine along with full payment of the fine amount within 10 days of being notified of the fine. The director may add the costs of preparing administrative enforcement actions, such as notices and orders to assess the fine. In

the event the director grants the user's request for reconsideration or in the event the user prevails in an appeal, the payment, together with any interest accruing thereto, shall be returned to the user.

13.12.380 Civil liability for expenses and fines.

Any discharger violating provisions of this chapter shall be liable for any expense, loss or damage caused to the POTW by reason of such violation, including increased costs for sewage treatment, sludge treatment and disposal and POTW operation and maintenance expenses when such increased costs are the result of the discharger's discharge. If the discharger discharges pollutants that cause the city to violate any condition of its NPDES permit and to be fined by the United States Environmental Protection Agency or the state for such violation, the discharger shall be liable to the city for the total amount of the fine assessed against the city, including, without limitation, all legal, sampling, analytical and other associated costs and expenses.

13.12.390 Administrative appeal.

- A. Any party of record may appeal the following decisions of the director to the hearing examiner by filing a written request for appeal with the public works department within 14 calendar days of the date of issuance of the decision:
 - 1. To suspend the discharger's wastewater services and/or to suspend the discharger's wastewater discharge permit;
 - 2. To terminate the discharger's wastewater services and to revoke the discharger's wastewater discharge permit;
 - 3. To impose fines against the discharger;
 - 4. To impose other civil penalties against the discharger; or

13.12.400 Judicial review.

Any decision of the hearing examiner rendered pursuant to this chapter may be appealed to the superior court. Such appeal shall be filed no later than 21 days after the date the decision of the hearing examiner is issued.

13.12.410 Criminal penalties.

A user who introduces any substance into the POTW which causes personal injury or property damage shall, upon conviction, be guilty of a gross misdemeanor and be subject to a penalty of not more than \$5,000 and/or one year in jail. Each day a violation occurs shall constitute a separate offense. This penalty shall be in addition to any other cause of action for personal injury or property damage as provided for in the enforcement response plan and available under state law.

City of Bainbridge Island

2024-2025 Pretreatment Program

The City of Bainbridge Island sewer industrial waste code in 13.12 is inadequate to establish a pretreatment program. The City plans to bring an ordinance to Council for consideration in 2024 that will allow for a pretreatment program to be established. The purpose of the pretreatment program is to prevent pollutants that interfere with the operation of the wastewater treatment plant and prevent the introduction of pollutants that pass through the treatment plant into receiving waters of Puget Sound.

The major elements of the ordinance will include local limits, Fats, Oils, and Grease (FOG) pretreatment, commercial and industrial pretreatment, sampling manholes, monitoring, and education. The following tasks are planned over the next two years to develop a pretreatment program:

- **Pretreatment Ordinance.** The City is drafting an ordinance with the support from Tetra Tech and Washington State Department of Ecology.. The ordinance will be drafted and ready for Council consideration in April/May 2024.
- **City Inspector.** The City plans to propose a position that will be assigned to run the pretreatment program that will include FOG and commercial and industrial pretreatment. It is anticipated this position will be filled by September 2024. The City Inspector would visit all restaurants for compliance with grease traps, grease interceptors and maintenance of existing units.
- **Sampling Plan and Sampling Report.** The City is contracted with Tetra Tech who will provide a Sampling Plan in May of 2024. City staff will conduct sampling from June to October in 2024 within the sewer system. Tetra Tech will review the sampling data, develop a report of the findings, provide recommendations on location of additional sampling manholes and frequency of future monitoring and sampling. January 2025.
- **City Pretreatment Program-Education.** The City inspector will visit all potential commercial and industrial high strength users to educate them on the new ordinance, talk about potential impacts and ways to bring their site into compliance. The City will focus on developing an inventory, inspection, education and drafting program policies until July 2025.
- **FOG Program-Education.** The City will build upon the FOG program to document existing grease traps and grease inspectors are being cleaned and maintained regularly. The City will focus on developing a current inventory, inspection, education and drafting program policies until July 2025.
- **Sampling Manholes.** The City will work with local commercial and industrial users to install sampling manholes for monitoring. 2025
- **Commercial & Industrial Pretreatment and FOG Program.** The City will work with commercial and industrial high strength users to install pretreatment to meet the City pretreatment ordinance. July 2025 to December 2025.

UTILITIES ELEMENT

2016 COMPREHENSIVE PLAN U-1 UTILITIES ELEMENT

The Growth Management Act requires all comprehensive plans to include a utilities element consisting of the general location, proposed location, and capacity of all existing and proposed utilities, including but not limited to electrical lines, telecommunication lines, drinking water and sewer lines (RCW 36.70A.070(4)). On Bainbridge Island, these utilities are provided by a combination of the City of Bainbridge Island, State regulated utilities, federally licensed communications companies and a municipally franchised cable television company.

The City of Bainbridge Island provides some sewer and water services. Other public and privately held water and sewer purveyors on the Island also provide services to residents of the City. Private households provide for a large percentage of the City's utility infrastructure with individual and on-site wells and septic systems.

A private corporation based on the Island provides solid waste disposal and recycling services to residents and businesses and is regulated by the Washington Utilities and Transportation Commission (WUTC).

Regional telecommunication and electric utilities serve the City of Bainbridge Island. The electric and telecommunication utilities are regulated by the WUTC.

The City of Bainbridge Island has ensured that all residents have reliable electric power, telecommunications services to meet their needs, potable water, solid waste and recycling services, and stormwater facilities that prevent flooding and erosion, maximize infiltration and eliminate pollutants before the water enters Puget Sound.

Coordinated water and sewer systems serve the more densely populated areas. Some private homes rely on septic systems, but most are served by water purveyors that cover broad areas

Commented [TJ1]: I believe this bold claim is mostly false. It is not the city that ensures our lights are on. That is the PSE regulated by the UTC. Private corporations are solely responsible for the spotty telecommunications web. COBI either no leverage or it has not exerted it. Potable water is provided to roughly a third of residences, with the rest provided by KPUD, other private systems and private homeowners. The city DOES provide city wide stormwater facilities that try to meet these stated goals.

of the Island. The City, working with other water purveyors, coordinates a monitoring program to ensure that the quantity and quality of potable water are sustained at safe levels for present and future generations.

Commented [TJ2]: Also a broad overstatement. As I recall some 40% of households are on private water and/or septic systems.

Water use is managed to encourage conservation and limit consumption. Sewer systems provide for the reuse of treated water to recharge aquifers, for irrigation and to reduce outflow into Puget Sound. Tertiary treatment has been implemented to improve water quality in Puget Sound.

Commented [TJ3]: Partly true. Public water rates are tiered so that the marginal rate increases with increased consumption. But I am not aware that any withdrawal limits apply to any users.

Commented [TJ4]: I do not believe there has been any planned, or authorized use of treated water to recharge aquifers. We were not even studying that in 2016.

Materials in the waste stream continue to decline, while composting and recycling are standard practices on the Island. A Bainbridge Island moderate-risk waste facility encourages the proper disposal of materials such as paints, solvents and cleaners. A state-of-the-art telecommunication network has increased cooperation among neighbors and across the Island; it has facilitated ride-sharing and reduced dependence on private automobiles for commuting and daily errands. Alternate ecological and innovative energy sources now supply much of the Island's electricity, and geo-thermal heating systems have proven their effectiveness in reducing demand for electric power.

Commented [TJ5]: Is there any data to back that up?

Commented [TJ6]: If this is true, why do we have annual waste roundups? Really we have to take these hazardous materials to Silverdale.

Commented [TJ7]: Wholly fiction. I can call my neighbor and ask if they want me to pick something up at the store. How is that different the reality in 1923.

Commented [TJ8]: Gigantic lie. PSE is still using up to 40% coal. Geothermal heating IS effective and efficient, but it is expensive and rare. The only appreciable alternate energy in play is rooftop solar, which we should mention. However, the City has had practically no role in promoting that either.

UTILITIES INTRODUCTION

UTILITIES VISION 2036

Commented [WS9]: would like us to consider adding Resiliency component to each of the utility areas. this could include resiliency to storm. fire, climate impacts.

GOAL U-1

Ensure that reliable utility services are available to all Bainbridge Island residents.

Commented [TJ10]: Utilities also serve businesses and institutions.

GOAL U-2

Ensure that the utility services are comparable in terms of cost, quality, and technology to services available in similar jurisdictions in the Puget Sound region.

Commented [TJ11]: I think the community expects COBI to be a leader in healthy and equitable utility management, not just comparable to our neighbors.

GOAL U-3

Ensure that utility services are adequate to meet current demands, and that utility providers plan for future demands.

Commented [TJ12]: adequate is very weak. How about robust and resilient?

Commented [WS13]: current demands and demand as projected in this comp plan?

GOAL U-4

Ensure that the provision of utility services is environmentally responsible and sustainable, and encourage utility services that are carbon neutral and do not contribute to climate change.

Commented [TJ14]: Responsible and sustainable are strong but broad words. Its not just climate change, its fish habitat, wetlands, stream, plastics, toxins, etc.

GOAL U-5

Ensure that new or major renovations to existing utility facilities are designed to minimize adverse impacts on residents and the environment.

Commented [TJ15]: Pretty basic. I would also include that operations have minimal impact.

GOAL U-6

Ensure that permits and approvals for utility facilities are processed in a fair, timely manner and in accord with development regulations and this Plan.

Commented [WS16]: U6 -This doesn't really seem worthy of being a goal. this seems more like baseline business practice.

GOAL U-7

Ensure that all utility providers give timely public notice and solicit community input on the siting of proposed facilities and on any other substantive projects before seeking City approval.

Commented [TJ17R16]: agree

Commented [WS18]: same with this one - or are we wanting providers to go beyond public notice requirements

Commented [TJ19R18]: I hope so.

GOAL U-8

Cooperate with other jurisdictions and utility providers in planning and implementing utility facility additions, improvements, maintenance, and emergency response, so that such activities are coordinated for maximum efficiency and public benefit.

Commented [TJ20]: Cooperation is with neighbors is not enough. KPUD, Sewer District 7, telecoms, trash haulers, etc., are driven first by their own bottom lines. We need to lead and facilitate integration with our neighbors.

GOAL U-9

Ensure that sufficient city resources are provided to implement the above goals by adopting systems and processes for meaningful and timely review of utility services, and by assigning to the Utility Advisory Committee (UAC) or other city organization the responsibility for advising the City Council on matters regarding all utility services on Bainbridge Island.

GOALS & POLICIES

POTABLE WATER

Currently, potable water is provided to citizens of Bainbridge Island by the City, Kitsap County Public Utility District, private for-profit water companies, not-for-profit companies or homeowner

associations, and private wells. All water providers must comply with a variety of federal and state laws and regulations.

GOAL U-10

Ensure that city-managed and to the extent possible, non-city managed utility services, are sufficient, cost effective, reliable, and that safe water utility service is provided.

Commented [WS21]: is this redundant with goals in first section?

GOAL U-11

Require utilities to operate in a manner that preserves and protects the water resources of the Island.

Commented [TJ22]: We could mention that water use should be managed in accordance with the City's Ground Water Management Plan

Policy U 11.1

Map public water systems service areas and evaluate modifications to their system boundaries based on maintaining sufficient and sustainable capacity to meet the present and future needs of the service area.

Commented [WS23]: this seems more like an action item than a policy

Commented [TJ24R23]: I could be wrong, but I think the policies that support the goals can and should contain specific actions. But they are still unbound by cost and schedule terms.

Policy U 11.2

As an approved Satellite System Management Area (SMA), the City may elect to provide water system management services to other utility providers.

Commented [TJ25R23]: Another place to reference the GWMP

Policy U 11.3

Encourage new development in previously unserved water service areas to connect to existing public water systems. The City, at its discretion, may require new water systems be dedicated to the City.

Policy U 11.4

Require engineering specifications for new public water systems and expansions or improvements to existing public water systems that are to be located within the City's rights-of-way to meet standards set forth by the City.

Commented [WS26]: has this been accomplished?

Policy U 11.5

Adopt standards that differentiate between urban and non-urban density fire flow requirements. A differential policy is needed to promote cost effective water system upgrades by the many small water systems on the Island.

Commented [TJ27]: Here is a place UAC did a lot of work and City enacted policy.

Policy U 11.6

Encourage and support water utilities to enter into cooperative activities, such as jointly

managed operations, shared storage, and construction of interties, to manage water resources and systems more efficiently, economically, and safely.

Policy U 11.7

Encourage and facilitate consolidation of water systems, with particular emphasis on mergers of contiguous and small systems, to manage water resources and systems more efficiently, economically, and safely.

Policy U 11.8

Conduct a study of consolidation of water systems owned by the City and Kitsap Public Utility District. Pursue long-term consolidation of larger water systems.

Policy U 11.9

Implement conservation measures through education and regulation with emphasis on limiting and reducing demand.

Commented [TJ28]: yes, yes, yes. Lets move this higher on the list.

Commented [WS29]: action item

Commented [TJ30]: We should raise emphasis on this. Let's educate and facilitate conservation by homeowners, businesses and institutions. For example, the County's largest employer, the Navy, has effectively reduced water used for watering lawn grass in most areas in summer. We have rules for native vegetation yet I still see subdivisions going in with large irrigated yards.

PUBLIC SEWER

Currently, there are two public sewer systems on Bainbridge Island. One, owned by the City of Bainbridge Island, serves the Winslow area and the Rockaway Beach, Pleasant Beach, and Lynwood areas ("the Southend System.") The other, owned by Kitsap County Sewer District #7, serves the Fort Ward area.

The service area for the Winslow Public Sewer System is designated in the City's General Sewer Plan. Treatment for this part of the system occurs at the Winslow Wastewater Treatment Plant. The sewer service area for the Southend System is also designated in the City's General Sewer Plan. Treatment for this system occurs at the Kitsap County Sewer District #7 treatment plant pursuant to an interlocal agreement.

GOAL U-12

Ensure that adequate, cost effective, and reliable sewer service is provided to those areas of Bainbridge Island served by public sewer systems and designated in the General Sewer Plan for future public sewers.

Policy U 12.1

Emergency service or other minor modifications to sewer service areas may be allowed with

Commented [TJ31]: I think having a separate sewer district on the island diminishes the City's ability to manage growth and protect the environment. The recent discussion with SD7 on how many users they will allow to connect in the Lynwood area illustrates this. Therefore, I think the Number One goal should be the absorption of SD7 and its facilities into COBI. No interlocal agreement can give COBI the flexibility it needs to manage sewage for the bottom third of the island.

approval by the City Council via resolution so long as there is sufficient sewer facility capacity, and, with regard to the Southend System, sewage quality meets the standard outlined in the interlocal agreement with Kitsap County Sewer District #7.

Policy U 12.2

Within public sewer system service areas, new construction should provide for eventual connection to public sewer systems.

Policy U 12.3

Sewer connections will not be required where septic systems are fully functional and maintained, except as provided by law.

Policy U 12.4

In planning and establishing a service area for a new public sewer facility, or major expansion of an existing public sewer facility, service area boundaries will be evaluated taking the following into consideration:

- a. Areas that have an environmental need for sewer due to 1) a group of documented failing septic systems; or 2) proximity to sensitive bodies of water that are unsuitable for on-site septic systems according to the Kitsap County Health District.
- b. Areas used or planned for development that serve a public need, such as a public school.
- c. Areas designated for commercial and mixed use.
- d. Areas designated for residential use at densities of four units to the acre (R4) or greater.
- e. Areas planned for an increase in density through a special planning area process.

Policy U 12.5

When utilities plan, renovate, or build treatment facilities, require utilities to consider constructing facilities that facilitate the re-use of treated wastewater for irrigation, recharge, and other non-potable uses. Require that facilities be consistent with health and safety considerations and consider financial impacts to ratepayers and taxpayers.

Policy U 12.6

Improve the quality and reduce the quantity of effluent discharged to Puget Sound.

Policy U 12.7

Investigate the development of tertiary sewer and sewer greywater systems.

Commented [TJ32]: Reinforces my point above. Our interlocal gives us some say on effluent standards but not service area, capacity or operations.

Commented [TJ33]: I thought new construction in the service area is already required to connect immediately.

Commented [TJ34]: good place to add that septic systems have beneficial effects of recharging groundwater and preempting discharge to the Sound.

Commented [TJ35R34]: Sewer connection should also be mandatory in areas where sea level is predicted to inundate drain fields or already regularly does. To me it is unconscionable that we allow septic tanks still on the spit at Point Monroe

Commented [TJ36]: Again, why are we tolerating Point Monroe septic?

Commented [WS37]: This is an action item in later section

Policy U 12.8

Study cooperation (such as shared operations) or consolidation of sewer systems owned by the City and Kitsap County Sewer District #7.

Commented [TJ38]: Its time for consolidation.

STORM AND SURFACE WATER

The City of Bainbridge Island operates a storm and surface water utility for the purposes stated in BIMC Section 13.24.010.

GOAL U-13

Manage stormwater runoff to protect life, property and habitat from flooding and erosion; to channel runoff to minimize impacts to daily activities; to protect the quality of groundwater, surface water, and the waters of Puget Sound; and to provide recharge of groundwater where appropriate.

Policy U 13.1

Maintain a comprehensive storm drainage plan that identifies problems, proposes solutions, provides a strategy for implementation and funding, and establishes design and development guidelines.

Policy U 13.2

Require new development to provide both on-site and off-site improvements necessary to avoid adverse water quality and quantity impacts.

Policy U 13.3

Use low impact development standards wherein infiltration of stormwater is preferred over surface discharge to downstream systems, so as to encourage the return of uncontaminated precipitation to the soil at natural rates near where it falls through the use of detention ponds, grassy swales, and infiltration facilities.

Policy U 13.4

Design and construct stormwater systems that provide for removal of pollutants and sediment through bio-filtration or other means.

Policy U 13.5

Minimize disruption and/or degradation of natural drainage systems, minimize impervious areas

by restricting site coverage, and encourage site permeability by retaining natural vegetation and buffers, and specifying use of permeable materials.

Policy U 13.6

Manage surface water in a manner which prevents pollutants from industrial, commercial, and agricultural land uses from entering ground or surface waters.

Policy U 13.7

Consider a program of retrofitting existing roads with water quality and quantity stormwater system improvements in order to minimize pollution from runoff from roadways to natural drainage systems and the waters of Puget Sound.

Commented [TJ39]: Mention our existing Critical Area Ordinance?

Commented [WS40]: what do we mean by "manage surface water"? Streams? Maybe this really means managing something else- like City operations?

Commented [TJ41]: Could be stronger. How about retrofit existing road and culverts in accordance with best stormwater management practices. Seek state and federal grant opportunities. Gain efficiency by combining with projects that harden roadways to withstand rising sea levels, utility undergrounding and non-motorized transportation projects.

ELECTRICAL

The City is currently served by Puget Sound Energy (PSE), which provides electricity generation sources, transmission, distribution and maintenance of electrical facilities throughout the island. PSE is regulated by the Washington Utilities and Transportation Commission (WUTC.) It is the commission's responsibility to ensure regulated companies provide safe and reliable service to customers at reasonable rates, while allowing them the opportunity to earn a fair profit.

GOAL U-14

Ensure adequate, cost effective, reliable, and environmentally responsible electric service to the citizens of Bainbridge Island.

Policy U 14.1

Develop a plan together with the electric service provider to undertake energy efficiency improvements and other alterations of electric utility facilities to provide capacity for future growth.

Policy U 14.2

Encourage the conservation of electrical energy, especially during periods of peak usage, and encourage energy saving building code strategies, local renewable energy, and other cost effective approaches to meeting the island's energy needs, including distributed energy systems.

Policy U 14.3

Commented [WS42]: action item?

Commented [TJ43]: Perhaps within this element or as a new one, I'd have a goal of supporting the Bainbridge Prepares partnership in ensuring robust and redundant utilities support to neighborhood hub locations where we will come together after the big quake or other drastic emergency.

Encourage the electric service provider to improve reliability, with particular attention to adding transmission redundancy and mitigating impacts on service from storms or other natural events.

Policy U 14.4

Encourage undergrounding new and existing electric transmission and distribution power lines, and develop a long-term strategy for future undergrounding, to include maximizing opportunities with new construction, and prioritizing the work that affects the greatest number of households and businesses.

Policy U 14.5

Encourage the electric service provider and electricity users to use carbon neutral electricity generation, local electricity generation, and innovative technologies such as solar power that are reliable, cost effective, preserve resources, provide minimal environmental impact, and do not contribute to global warming.

Policy U 14.6

Periodically undertake comparative evaluations of electric service reliability, cost, and environmental impact, customer service and customer support and evaluate opportunities to provide improved and less costly electrical service from alternative service providers.

Policy U 14.7

New taxpayer-funded buildings shall use carbon-neutral energy for heating, cooling, and operational use to the maximum extent practical within site specific and existing technology limitations.

Policy U 14.8

Encourage new development to integrate environmentally responsible and innovative energy systems.

Policy U 14.9

Explore ways to obtain 100% green electricity including investing in new renewable energy projects.

SOLID WASTE DISPOSAL, RECYCLING AND COMPOSTING

Currently, Bainbridge Disposal, Inc., a private corporation based on the Island, is the exclusive

Commented [WS44]: this will be accomplished via the new Murden Cove to Winslow project right?

Commented [TJ45R44]: Yes PSE is doing a lot in this area. The Winslow tap upgrade, the new missing link connecting the two mid island substation, tree wire project, the big battery and some demand management pilots are all underway.

Commented [TJ46]: Exactly what we want to see in the new partnership agreement

Commented [WS47]: do we want to call out geothermal here since it was mentioned earlier?

Commented [TJ48R47]: I agree we should mention geothermal since it is proven. And I feel we should encourage other innovation like waste digesters.

Commented [WS49]: whose role would it be to do this? UAC?

Commented [TJ50R49]: This element drove what the UAC already proposed for "Periodic Review" of utilities. Council agreed with our proposed approach but did not follow up by assigning us to review the utilities the process prioritized (electricity, cable and cell phones). We also asked to be involved in Solid Waste utility review, but did not get tasked.

Commented [TJ51R49]: I think the answer is to keep this element, but step up our interface with the council to get timely tasking.

Commented [WS52]: is this term defined?

Commented [TJ53R52]: I am afraid there are many definitions of this. If we use it we should reference who's definition. For example some deliberately include and others deliberately exclude nuclear power.

Commented [TJ54R52]: I don't think COBI is going to pony up to develop renewable energy project. It is more likely to be approached by an entrepreneur. The bigger question is will PSE allow or facilitate integrating local sources into the grid.

provider of solid waste disposal and recycling services to City. Bainbridge Disposal is regulated by the Washington Utilities and Transportation Commission (WUTC), which is charged with ensuring the utility provides reliable, safe and economical service.

GOAL U-15

Ensure adequate, cost effective, reliable, and environmentally responsible solid waste, recycling and composting service to the citizens of Bainbridge Island.

Policy U 15.1

Seek a method to provide on-island collection site for moderate risk waste or household hazardous waste including oil based paints, stains, adhesives, aerosols, paint thinner, corrosive cleaners, yard chemicals, and pool/spa chemicals and a means for transferring these substances in a timely manner to the Kitsap County site.

Policy U 15.2

Support non-governmental organizations that provide outreach and education to citizens to ensure that the populace is informed about the latest waste reduction, composting, recycling and hazardous waste practices.

Policy U 15.3

In addition to WUTC regulation, the City should perform periodic reviews to ensure that Bainbridge Disposal is providing safe, reliable, cost effective and responsive solid waste, compost and recycling collection. Evaluate opportunities to provide improved and cost effective services from alternative providers.

Policy U 15.4

Coordinate with Bainbridge Disposal and the County to improve access to updated information on solid waste, recycling and composting collection and disposal services. Increase visibility and outreach for special events for hard-to-recycle materials such as hazardous waste or polystyrene foam.

Policy U 15.5

Consider methods to reduce the amount of solid waste disposed, e.g. material bans, composting or compaction, or by the conversion of solid waste to energy, e.g. using a biodigester.

Commented [WS55]: should we spell out our desire to get BI disposal under City contract?

Commented [TJ56R55]: I sense that the City Staff will have a contract before the Council before the UAC has seen it.

Commented [TJ57]: This reinforces my objection to the statements in the preamble that such services already exist on island.

Commented [WS58]: would this one go away if we get a contract with BI disposal?

Commented [TJ59R58]: I think the contract is where will get such things. I fear that a contract that asks for too little locks us into bad service for the foreseeable future.

Commented [TJ60R58]: As I mentioned in our last meeting, if we don't get commitment for BD to add smaller trucks to go down smaller streets in this contract, we lessen the chances they ever will.

Commented [WS61]: seems like this one should be emphasized more

Commented [TJ62R61]: agree, especially waste to energy.

TELECOMMUNICATION

Telecommunication is the technology of communication at a distance by electronic transmission of alphanumeric, audio, video and other data over wired and wireless delivery systems. On Bainbridge Island, telecommunication utilities provide telephone, television, and internet services.

Telephone utilities are regulated by the WUTC. The Federal Communications Commission (FCC) regulates wireless service providers.

Comcast and CenturyLink are the largest telecommunication service providers on Bainbridge Island. KPUD provides a public wi-fi service in Winslow.

GOAL U-16

Ensure adequate, cost effective, reliable, and environmentally responsible telecommunication service to the citizens of Bainbridge Island.

Policy U 16.1

Encourage shared use of facilities and the use of existing utility corridors, public rights-of-way and city owned properties.

Policy U 16.2

Require the placement of cellular and/or wireless communication facilities in a manner that minimizes the adverse impacts on adjacent and surrounding land uses.

Policy U16.3

Encourage major telecommunication utility providers to work with the City to identify potential sites for infrastructure and facility expansion to address future growth and development and meet the demands for additional utility service.

Policy U 16.4

Encourage all providers to serve all parts of the City equally.

Policy U 16.5

The City expects all providers to evaluate the capacity of their facilities regularly to ensure that new facilities are installed in a timely basis to meet new and future demand. Providers are expected to provide facilities to accommodate growth within the City.

Policy U 16.6

Commented [TJ63]: I would break this into two sections. Wired and wireless technology have different infrastructure and government oversight.

Commented [TJ64]: Encouragement is too weak. We need a legal way to REQUIRE coverage of cell phones

Pursue internet and cellular service of the highest standards for governmental and educational institutions, business and commerce and personal use.

Policy U 16.7

Require new development to have underground conduits suitable for existing and foreseeable new utilities such as cable and broadband.

Policy U 16.8

Ensure that emergency communication services are universally available to assist residents in emergencies.

Policy U 16.9

In addition to WUTC regulation, the City should perform periodic reviews to ensure that various telecommunication providers are providing safe reliable, cost effective, and responsive telecommunication services. During such reviews, the City should evaluate opportunities to obtain improved and cost effective services from alternative providers.

Policy U 16.10

Conduct a study to support the creation of an Island-wide high-speed internet service.

To implement the goals and policies in this Element, the City must take a number of actions, including adopting or amending regulations, creating partnerships and educational programs, and staffing or other budgetary decisions. Listed following each action are several of the comprehensive plan policies that support that action.

HIGH PRIORITY ACTIONS

U Action #1 Develop a process for periodic review of Island utility services.

Goal U-9 Ensure that sufficient city resources are provided to implement the above goals by adopting systems and processes for meaningful and timely review of utility services, and by assigning to the Utility Advisory Committee (UAC) or other city organization the responsibility for advising the City Council on matters regarding all utility services on Bainbridge Island.

U Action #2 Support the development of sewer tertiary treatment and sewer greywater systems.

Policy U 12.6

Commented [TJ65]: emphasize emergency HUBs

Commented [TJ66]: We have failed. Not one of the cell phone providers fully covers the island, yet ALL of their maps say they do. Bainbridge Prepares is woefully aware that you cannot make a 911 call (except by satellite) in areas of the island when everything is working well.

Commented [TJ67]: We ASKED to do such a review but were not given the green light.

Commented [TJ68R67]: The City is always free to choose alternate providers to subscribe to but is has no current capability to help residents, institutions of business get complete services.

Commented [TJ69]: I think this study was kind of done. KPUD now has a big role in helping fund and implement last mile internet.

Commented [WS70]: doesn't seem like very many action items considering the number of policy statements. would it be appropriate to add more? or shoul that be in a separate implementation document?
have we accomplished any of these action items?

Commented [TJ71R70]: Here is my take on the priority actions (Council added these)
- U action #1. we developed a process for periodic review that has not be utilized.
- U action #2. a study of tertiary treatment was awarded.

Commented [TJ72R70]: U Action #3. City is talking to KPUD, especially about interties and boundaries.

Commented [TJ73R70]: U Action #4. seems obsolete now. Don't really understand this one.

Improve the quality and reduce the quantity of effluent discharged to Puget Sound.

U Action #3 Facilitate cooperation among or consolidation of water systems.

Policy U 11.6

Encourage and support water utilities to enter into cooperative activities, such as jointly managed operations, shared storage, and construction of interties, to manage water resources and systems more efficiently, economically, and safely.

U Action #4 Continue the investigation of the creation of an Island-wide high-speed internet service.

Policy U 16.10

Conduct a study to support the creation of an Island-wide high-speed internet service.

MEDIUM PRIORITY ACTIONS

U Action #5 Proactively encourage, study, and facilitate consolidation of water systems to manage water resources and systems more efficiently, economically and safely.

Policy U 11.7

Encourage and facilitate consolidation of water systems, with particular emphasis on mergers of contiguous and small systems, to manage water resources and systems more efficiently, economically, and safely.

Policy U 11.8

Conduct a study of consolidation of water systems owned by the City and Kitsap Public Utility District. Pursue long-term consolidation of larger water systems.

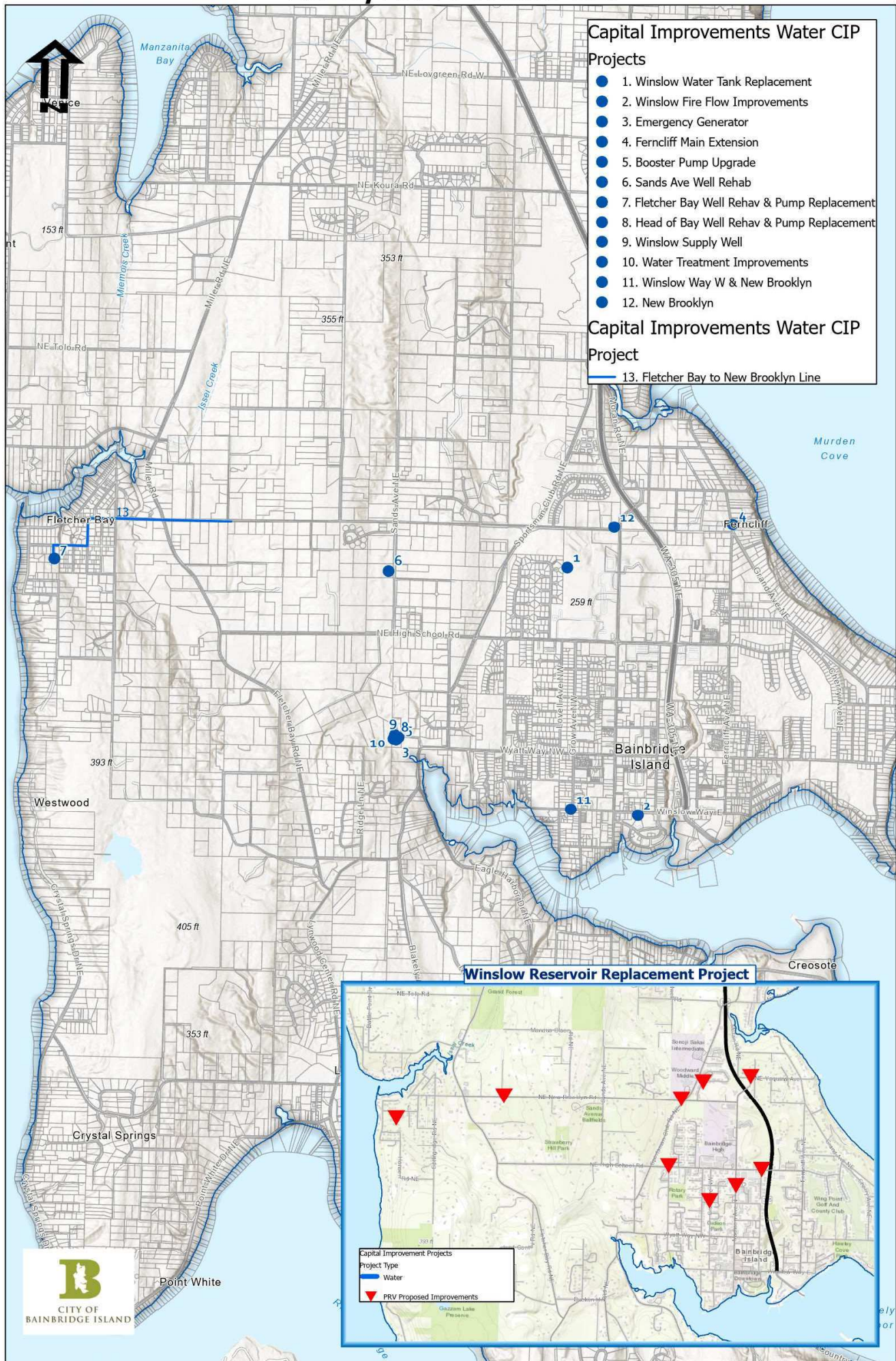
City of Bainbridge Island
Water CIP (2023-2028)
2024 Modified Budget

Project / Location	Grant Eligible	Grant Awarded	Grant Funds	Tax Supported	Wtr Comp	Swr Comp	SSWM Comp	Prior Years	2023	2024	2025	2026	2027	2028	2029-2042	Total
WATER PROJECTS - 6-YEAR CIP (1000s)																
Winslow Water Tank Replacement <i>New Brooklyn</i>	x				Y			553	1,019	10,698	9,994	-	-	-	-	22,264
Emergency Generator <i>Head of the Bay</i>					Y			-	70	155	-	-	-	-	-	225
Ferncliff Main Extension <i>Ferncliff Ave</i>	x				Y			12	1,498	-	-	-	-	-	-	1,510
Booster Pump Upgrade <i>Head of the Bay</i>					Y			-	168	-	-	-	-	-	-	168
Sands Ave Well Rehabilitation <i>Sands Ave</i>					Y			-	481	-	-	-	-	-	-	481
Fletcher Bay well Rehabilitation <i>Fletcher Bay</i>					Y			-	250	150	-	-	-	-	-	400
Head of the Bay well Rehabilitation <i>Head of the Bay</i>					Y			-	-	312	-	-	-	-	-	312
Winslow Supply Well <i>TBD</i>					Y			-	-	208	-	17	840	-	-	1,065
Water Treatment Improvements <i>Head of the Bay</i>					Y			-	-	-	-	415	1,015	-	-	1,430
Winslow Way West <i>Winslow Way</i>					Y			-	-	-	75	300	-	-	-	375
Long-Term Replacement Projects <i>TBD</i>					Y			-	-	-	-	-	-	250	11,840	12,090
TOTAL ALL WATER PROJECTS - (1000s)																
City Funding								565	3,487	11,523	10,069	732	1,855	250	11,840	40,320
Grant Totals								-	-	-	-	-	-	-	-	-
TOTAL								565	3,487	11,523	10,069	732	1,855	250	11,840	40,320

2023 BUA

2024 Mod

2023/2024 Water CIP



Project: Winslow Water Tank Replacement

Number:

00988

Location: New Brooklyn

Project Description



Description: Construct a new 2 million-gallon reservoir to replace both of the existing tanks that are located on an easement near the High School.

Benefit: A new tank built at a sufficient elevation, and to the most recent design standards, will correct several deficiencies associated with existing tanks including: significant dead storage, pressure zone deficiencies, water quality issues, and seismic deficiencies. Project updated to include fireflow and pipeline improvements in Winslow (formerly project 01095).

Schedule: 2021: Design; 2023: Construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	233	169	431	631	-	-	-	-	1,464
Sewer Fund	-	-	-	-	-	-	-	-	-
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Long-Term Debt	320	850	10,267	9,363	-	-	-	-	20,800
Sub-total	553	1,019	10,698	9,994	-	-	-	-	22,264
FUNDING USES (1000's)									
Project Management	79	37	37	-	-	-	-	-	153
Design/construction	474	982	10,661	9,994	-	-	-	-	22,111
Sub-total	553	1,019	10,698	9,994	-	-	-	-	22,264

Estimated Impact on Future Operating Budget (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	34	606	1,200	1,470	1,500	1,479	18,258	24,547
Sub-total	-	34	606	1,200	1,470	1,500	1,479	18,258	24,547

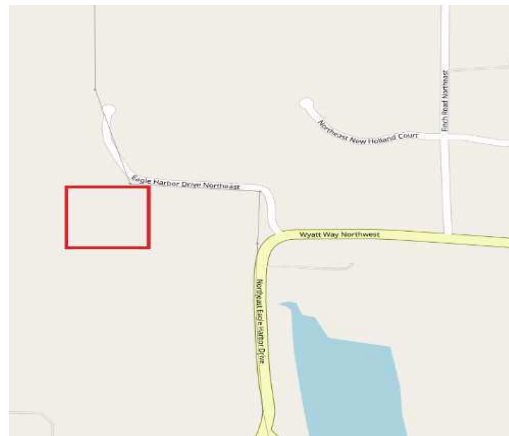
Project: Emergency Generator

Number:

01098

Location: Head of Bay

Project Description



Description: Install an emergency generator to provide a permanent, redundant power source for the well site that provides 25% of the supply for the system.

Benefit: Improves system reliability in the event of power outages.

Schedule: YR 1: Design; YR2: Construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	70	155	-	-	-	-	-	225
Sewer Fund	-	-	-	-	-	-	-	-	-
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	-	70	155	-	-	-	-	-	225
FUNDING USES (1000's)									
Project Management	-	7	11	-	-	-	-	-	18
Design/construction	-	63	144	-	-	-	-	-	-
Sub-total	-	70	155	-	-	-	-	-	225

Estimated Impact on Future Operating Budget

	Prior Yrs	2023	2024	2025	2026	2027	2028	2029-2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

Project: Ferncliff Main Extension

Number:

01170

Location: Ferncliff Ave

Project Description



Description: This project will extend the existing water main in Ferncliff Avenue to serve the Ferncliff Water Association properties (18), and the City's isolated Casey Street water system properties (9). The project is subject to a low-interest loan from the State of Washington which includes 50% loan forgiveness upon completion of the project.

Benefit: The extension will extend water availability to new customers in the service area, and reduce long-term maintenance costs associated with the Casey Street water system.

Schedule: YR1: Design; YR2: Construction

Capital Funding (1000's)

	Prior							2029-	
	Yrs.	2023	2024	2025	2026	2027	2028	2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	12	1,098	-	-	-	-	-	-	1,110
Sewer Fund	-	-	-	-	-	-	-	-	-
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Loan	-	400	-	-	-	-	-	-	400
Sub-total	12	1,498	-	-	-	-	-	-	1,510
FUNDING USES (1000's)									
Proj. Management	-	26	-	-	-	-	-	-	26
Design/construction	12	1,472	-	-	-	-	-	-	1,484
Sub-total	12	1,498	-	-	-	-	-	-	1,510

Estimated Impact on Future Operating Budget

	Prior							2029-	
	Yrs.	2023	2024	2025	2026	2027	2028	2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	27	28	28	27	27	357	494
Sub-total	-	-	27	28	28	27	27	357	494

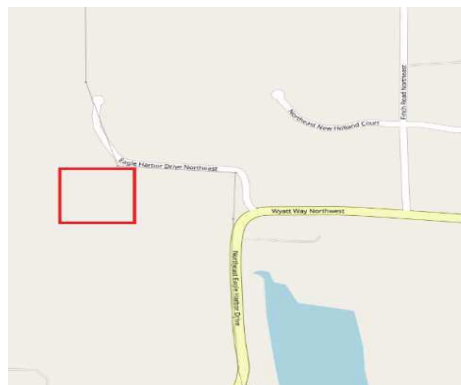
Project: Booster Pump Upgrade

Number:

01233

Location: Head of the Bay

Project Description



Description: Currently, the secondary booster pump is limited to half capacity of the primary booster pump at the Head of the Bay. The replacement of the secondary booster pump to match water rights is needed to provide redundancy and the ability to continue water operations at full capacity.

Benefit: Improve system reliability.

Schedule: YRI: Design/Construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	168	-	-	-	-	-	-	168
Sewer Fund	-	-	-	-	-	-	-	-	-
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	-	168	-	-	-	-	-	-	168
FUNDING USES (1000's)									
Proj. Management	-	7	-	-	-	-	-	-	7
Design/construction	-	161	-	-	-	-	-	-	161
Sub-total	-	168	-	-	-	-	-	-	168

Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

Project: Sands Ave Rehabilitation

Number:

01183

Location: Sands Ave

Project Description



Description: This project will rehabilitate one of the primary water source wells for the Winslow Water System at the Sands Avenue well site. The project includes replacement of the well pumps, which are over 30 years old, and past their design life.

Benefit: Improve water system reliability and redundancy.

Schedule: YRI: Design/Construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	481	-	-	-	-	-	-	481
Sewer Fund	-	-	-	-	-	-	-	-	-
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	-	481	-	-	-	-	-	-	481
FUNDING USES (1000's)									
Proj. Management	-	-	-	-	-	-	-	-	-
Design/construction	-	481	-	-	-	-	-	-	481
Sub-total	-	481	-	-	-	-	-	-	481

Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

Project: Fletcher Bay well rehabilitation and pump replacement

Number:

01244

Location: Fletcher Bay

Project Description



Description: This project will rehabilitate one of the primary water source wells for the Winslow Water System at the Fletcher Bay well site. The project includes replacement of the well pumps, which are over 30 years old, and past their design life.

Benefit: Improve water system reliability and redundancy.

Schedule: YRI: Design/Construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	250	150	-	-	-	-	-	400
Sewer Fund	-	-	-	-	-	-	-	-	-
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	-	250	150	-	-	-	-	-	400
FUNDING USES (1000's)									
Proj. Management	-	12	6	-	-	-	-	-	18
Design/construction	-	238	144	-	-	-	-	-	382
Sub-total	-	250	150	-	-	-	-	-	400

Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

Project: Head of the Bay well rehabilitation and pump replacement

Number:

01247

Location: Head of the Bay

Project Description



Description: This project will rehabilitate one of the primary water source wells for the Winslow Water System at the Head of the Bay well site. The project includes replacement of the well pumps, which are over 30 years old, and past their design life.

Benefit: Improve water system reliability and redundancy.

Schedule: YRI: Design/Construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	312	-	-	-	-	-	312
Sewer Fund	-	-	-	-	-	-	-	-	-
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	-	-	312	-	-	-	-	-	312
FUNDING USES (1000's)									
Proj. Management	-	-	12	-	-	-	-	-	12
Design/construction	-	-	300	-	-	-	-	-	300
Sub-total	-	-	312	-	-	-	-	-	312

Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

Project: Winslow Supply Well

Number:

01234

Location: TBD

Project Description

Description: As addressed in the City's Water System Plan, a new supply well at the Head of the Bay or the Sands Well site is planned to add redundancy to the City's water supply system. The site location will be determined by further study of feasibility and availability of water rights.

Benefit:

Schedule: YR1: Planning; YR2: Construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	208	-	17	840	-	-	1,065
Sewer Fund	-	-	-	-	-	-	-	-	-
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	-	-	208	-	17	840	-	-	1,065
FUNDING USES (1000's)									
Proj. Management	-	-	8	-	17	40	-	-	65
Design/construction	-	-	200	-	-	800	-	-	1,000
Sub-total	-	-	208	-	17	840	-	-	1,065

Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

Project: Water Treatment Improvements

Number:

00816

Location: Head of the Bay

Project Description



Description: This project implements water treatment improvements to prevent iron, manganese, and sulfide levels from exceeding the maximum contaminant levels (MCLs).

Benefit: Improve water quality for the system.

Schedule: YR1: design. YR2: construction.

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	415	1,015	-	-	1,430
Sewer Fund	-	-	-	-	-	-	-	-	-
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	415	1,015	-	-	1,430
FUNDING USES (1000's)									
Project Management	-	-	-	-	-	5	-	-	5
Design/construction	-	-	-	-	415	1,010	-	-	1,425
Sub-total	-	-	-	-	415	1,015	-	-	1,430

Estimated Impact on Future Operating Budget

	Prior Yr:	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

Project: Winslow Way West

Number:

TBD

Location: New Brooklyn

Project Description



Description: Replace aging water mains in Winslow Way at Grow Avenue prior to roadway reconstruction.

Benefit: Provides for reliable water service in the Winslow area.

Schedule: YR1: Design; YR2: Construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
REET Fund	-	-	-	175	645	-	-	-	820
Water Fund	-	-	-	75	300	-	-	-	375
Sewer Fund	-	-	-	-	-	-	-	-	-
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	250	945	-	-	-	1,195
FUNDING USES (1000's)									
Project Management	-	-	-	11	45	-	-	-	56
Design/construction	-	-	-	239	900	-	-	-	1,139
Sub-total	-	-	-	250	945	-	-	-	1,195

Estimated Impact on Future Operating Budget (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

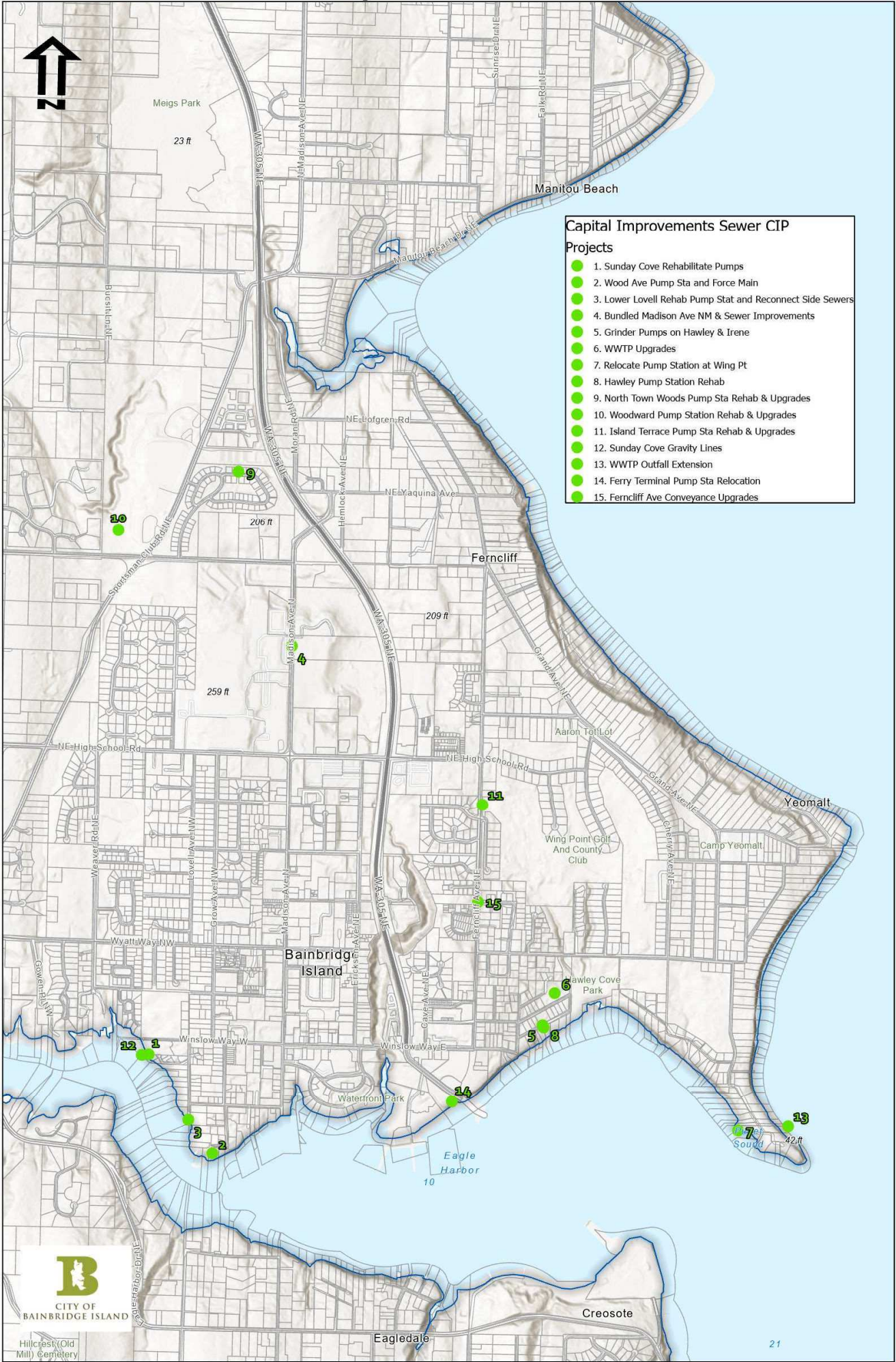
City of Bainbridge Island
Sewer CIP (2023 - 2028)
2024 Modified Budget

Project	Grant Eligible	Grant Awarded	Grant Funds	Tax Supported	Wtr Component	Swr Component	SSWM Comp	Prior Years	2023	2024	2025	2026	2027	2028	2029-2042	Total
SEWER PROJECTS - 6-YEAR CIP (1000s)																
Rehabilitate Pumps <i>Sunday Cove</i>						Y		95	50	450	355	-	-	-	-	950
Pump Station & Force Main <i>Wood Ave</i>						Y		506	-	-	3,470	-	-	-	-	3,975
Rehabilitate Pump Station (Lower Lovell) <i>Lower Lovell</i>						Y		254	-	800	571	-	-	-	-	1,625
Bundled Madison Avenue Nonmotorized & Sewer Improvements Project <i>Madison Ave</i>				Y		Y		792	15	-	-	-	-	-	-	807
Hawley Irene Grinders <i>Hawley/Irene</i>						Y		396	-	-	-	-	-	-	-	396
Wastewater Treatment Plant (WWTP) Upgrades <i>WWTP</i>						Y		164	834	2,142	-	800	-	-	-	3,940
Relocate Pump Station <i>Wing Point</i>						Y		100	1,100	650	-	-	-	-	-	1,850
Hawley Pump <i>Lower Hawley</i>						Y		-	-	124	320	320	-	-	-	764
North Town Woods Pump <i>NW Winslow</i>						Y		-	-	118	262	262	-	-	-	642
Woodward Pump <i>NW Winslow</i>						Y		-	-	133	-	317	317	-	-	767
Rehabilitate Pump Station (Island Terrace) <i>Island Terrace</i>						Y		-	-	180	-	272	272	-	-	724
Install Gravity Sewers <i>Sunday Cove</i>						Y		135	10	11	1,465	-	-	-	-	1,621
Extend WWTP Outfall <i>Wing Point</i>						Y		-	350	700	-	-	5,300	-	-	6,350
Ferncliff Ave Conveyance Upgrades <i>Ferncliff Ave</i>						Y		-	-	-	-	250	1,000	-	-	1,250
Ferry Terminal Pump Station Relocation <i>Winslow</i>						Y		-	-	-	-	-	150	700	-	850
Long Term Replacement Projects <i>Various</i>						Y		-	-	-	-	-	-	-	13,400	13,400
City Total								2,441	2,359	5,308	6,443	2,221	7,039	700	13,400	39,911
Grant Total								-	-	-	-	-	-	-	-	-
TOTAL								2,441	2,359	5,308	6,443	2,221	7,039	700	13,400	39,911

2023 BUA

2024 Mod

2023/2024 Sewer CIP



Project: Rehabilitate Pumps

Number:

00989

Location: Sunday Cove

Project Description



Description: Some components of the Sunday Cove pump station will reach the end of their useful life, which is assumed to be approximately 30 years, over the next few years. In addition to replacement of the pumps and motors, this project will include the replacement of the station's emergency generator.

Benefit: Replacement of a deteriorated system with a reliable sewer collection system that can be maintained in the future.

Schedule: YR1: Design and construction.

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	56	-	257	355	-	-	-	-	669
SSWM Fund	-	-	-	-	-	-	-	-	-
PWTF Loan	39	50	193	-	-	-	-	-	281
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	95	50	450	355	-	-	-	-	950

FUNDING USES (1000's)

Project Management	7	7	8	-	-	-	-	-	22
Design/construction	88	43	442	355	-	-	-	-	928
Sub-total	95	50	450	355	-	-	-	-	950

Estimated Impact on Future Operating Budget (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	2	5	17	17	17	17	221	296
Sub-total	-	2	5	17	17	17	17	221	296

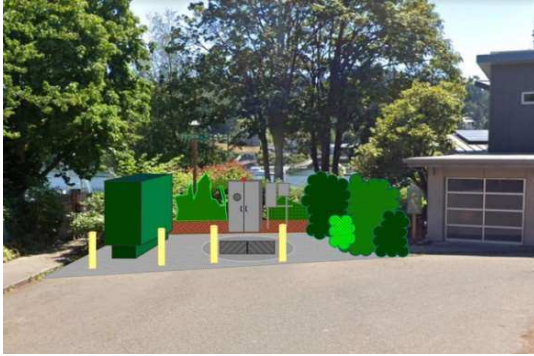
Project: Pump Station and Force Main

Number:

00990

Location: Wood Ave

Project Description



Description: This project is part of a suite of projects (Lovell Pump Station; Sunday Cove Pump Station; and Sunday Cove Gravity Sewers) that are planned to facilitate the abandonment of the north and south sewer beach main, which is an aging facility that has reached the end of its useful life. Abandonment of the beach mains was determined to be the best replacement approach due to environmental, maintenance and cost-benefit concerns.

Benefit: Replacement of a deteriorated system with a reliable sewer collection system that can be maintained in the future.

Schedule: YR1: design/permitting, YR3: construction.

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	300	7	4	2,448	-	-	-	-	2,759
SSWM Fund	-	-	-	-	-	-	-	-	-
PWTF Loan	205	-	-	1,011	-	-	-	-	1,216
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	506	7	4	3,459	-	-	-	-	3,975

FUNDING USES (1000's)

Project Management	13	4	4	-	-	-	-	-	20
Design/construction	493	3	-	3,459	-	-	-	-	3,955
Sub-total	506	7	4	3,459	-	-	-	-	3,975

Estimated Impact on Future Operating Budget (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	12	12	12	79	79	79	1,027	1,300
Sub-total	-	12	12	12	79	79	79	1,027	1,300

Project: Rehabilitate Pump Station and Re-connect Side Sewers

Number:

01086

Location: Lower Lovell

Project Description



Description: The pump station is reaching the end of its useful life, and needs to be upgraded with replacement pumps. This project is part of a suite of projects (Lovell Pump Station; Sunday Cove Pump Station; and Sunday Cove Gravity Sewers) that are planned to facilitate the abandonment of the north and south sewer beach main, which is an aging facility that has reached the end of its useful life. Side sewers associated with several properties along Lovell Avenue will be reconnected to the upland sewer main as part of this project.

Benefit: Replacement of a deteriorated system with a reliable sewer collection system that can be maintained in the future.

Schedule: YR1: design. YR2: construction.

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	151	62	406	509	-	-	-	-	1,128
SSWM Fund	-	-	-	-	-	-	-	-	-
PWTF Loan	103	-	394	-	-	-	-	-	497
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	254	62	800	509	-	-	-	-	1,625
FUNDING USES (1000's)									
Project Management	30	26	20	-	-	-	-	-	75
Design/construction	224	36	780	509	-	-	-	-	1,550
Sub-total	254	62	800	509	-	-	-	-	1,625

Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	6	6	31	31	31	31	403	539
Sub-total	-	6	6	31	31	31	31	403	539

Project: Bundled Madison Avenue Nonmotorized & Sewer Improvements**Number:****01100****Location:** Madison Ave**Project Description**

Description: This project will construct a new sewer force main in Madison Avenue between the New Brooklyn sewer pump station and High School Road in conjunction with the Madison Avenue Sidewalk project. The purpose of the main is to more adequately serve the existing and future development in the Village Pump Station sewer area.

Benefit: Improves reliability of sewer collection system.

Schedule: YR1: Design and Construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
General Fund	209	-	-	-	-	-	-	-	209
REET Fund	731	505	-	-	-	-	-	-	1,236
Trans. Benefit Fund	25	860	-	-	-	-	-	-	885
Sewer Fund	792	15	-	-	-	-	-	-	807
Federal Grant	1,410	-	-	-	-	-	-	-	1,410
ARPA	-	2,000	-	-	-	-	-	-	2,000
Sub-total	3,167	3,380	-	-	-	-	-	-	6,547

FUNDING USES (1000's)

Project Management	117	64	-	-	-	-	-	-	181
Design/construction	3,050	3,316	-	-	-	-	-	-	6,366
Sub-total	3,167	3,380	-	-	-	-	-	-	6,547

Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

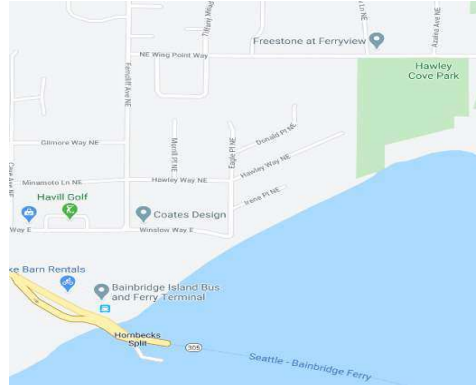
Project: Hawley/Irene Grinder Pumps

Number:

01103

Location:

Project Description



Description: This project proposes to replace an aging and failing gravity sewer main with a new force main and grinders pumps for several residences along Hawley Way and Irene Place.

Benefit: Replacement of a deteriorated system with a reliable improvement that can be maintained in the future.

Schedule: YR1: Design and YR2:Construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	20	376	-	-	-	-	-	-	396
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	20	376	-	-	-	-	-	-	396
FUNDING USES (1000's)									
Project Management	17	36	-	-	-	-	-	-	53
Design/Construction	3	340	-	-	-	-	-	-	343
Sub-total	20	376	-	-	-	-	-	-	396

Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

Project: WWTP Upgrades

Number:

01187

Location: WWTP

Project Description



Description: The Wastewater Treatment Plant requires near-term capacity upgrades to ensure compliance with the City's wastewater discharge permit issued by the Department of Ecology. The near-term improvements include optimization of settling capacity; replacing the UV disinfection system; modifying existing clarifiers and improving sludge dewatering.

Benefit: Compliance with state requirements.

Schedule: YR1: design. YR2: construction.

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	164	943	2,033	-	800	-	-	-	3,940
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	164	943	2,033	-	800	-	-	-	3,940
FUNDING USES (1000's)									
Project Management	-	12	35	-	-	-	-	-	47
Design/construction	164	931	1,998	-	800	-	-	-	3,893
Sub-total	164	943	2,033	-	800	-	-	-	3,940

Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

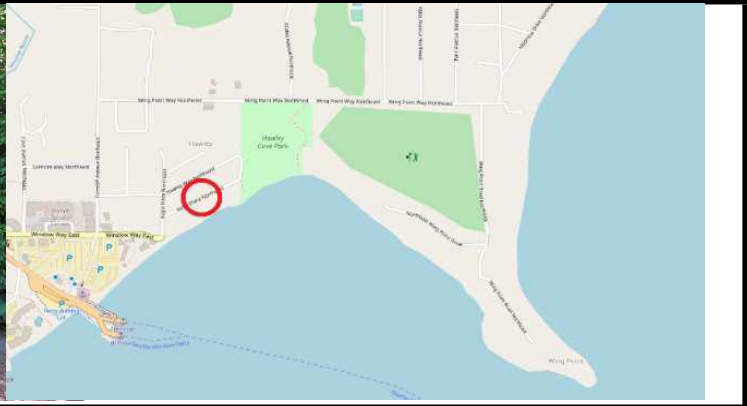
Project: Wing Point Pump Relocation

Number:

00820

Location: Wing Point

Project Description



Description: The Wing Point Pump Station has not been upgraded since its construction in 1979, and has reached the end of its useful life. In addition to required upgrades, the pump station will need to be relocated and rebuilt to accommodate impacts from sea-level rise.

Benefit: Improves reliability of current sewer collection system.

Schedule: 2020: Design; 2024: Construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	102	1,100	648	-	-	-	-	-	1,850
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	102	1,100	648	-	-	-	-	-	1,850

FUNDING USES (1000's)									
Project Management	4	5	8	-	-	-	-	-	17
Design/construction	98	1,095	640	-	-	-	-	-	1,833
Sub-total	102	1,100	648	-	-	-	-	-	1,850

Estimated Impact on Future Operating Budget (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

Project: Rehabilitate Pump Station

Number:

01102

Location: Lower Hawley

Project Description



Description: The station was constructed as part of a major sewer system upgrade in 1979. Telemetry is limited to monitoring and is provided by a tone RTU installed in 1995. A generator set installed in 1996. The electrical systems are in fair condition, the telemetry is beyond its useful life, and the wet well controls do not meet current safety standards. Because of their age, the pumps, motors, valves, controls, and telemetry should be replaced. The station has exceeded the estimated useful life and requires rehabilitation.

Benefit: Replacement of a deteriorated system with a reliable sewer collection system that can be maintained in the future.

Schedule: YR1: design. YR2: construction.

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	-	4	121	320	320	-	-	-	764
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	-	4	121	320	320	-	-	-	764
FUNDING USES (1000's)									
Project Management	-	4	10	-	-	-	-	-	13
Design/construction	-	-	111	320	320	-	-	-	751
Sub-total	-	4	121	320	320	-	-	-	764

Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

Project: North Town Woods Pump

Number:

01104

Location:

Project Description



Description: This project proposes to upgrade the North Town Woods pump station to meet current standards, as identified in the City's General Sewer Plan.

Benefit: Upgrading the sewer system with a reliable improvement that can be maintained in the future.

Schedule: YR1: design. YR3: construction.

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	-	2	137	241	262	-	-	-	642
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	-	2	137	241	262	-	-	-	642
FUNDING USES (1000's)									
Project Management	-	2	5	-	-	-	-	-	7
Design/construction	-	-	132	241	262	-	-	-	635
Sub-total	-	2	137	241	262	-	-	-	642

Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

Project: Woodward Pump

Number:

01125

Location:

Project Description



Description: This project proposes to upgrade the Woodward pump station to meet current standards, as identified in the City's General Sewer Plan.

Benefit: Upgrading the sewer system with a reliable improvement that can be maintained in the future.

Schedule: YR1: Design; YR4: Construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	-	2	131	-	317	317	-	-	767
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	-	2	131	-	317	317	-	-	767
FUNDING USES (1000's)									
Project Management	-	2	5	-	-	-	-	-	7
Design/construction	-	-	126	-	317	317	-	-	760
Sub-total	-	2	131	-	317	317	-	-	767

Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

Project: Rehabilitate Pump Station

Number:

01105

Location: Island Terrace

Project Description



Description: The Island Terrace pump station will reach the end of its useful life, which is assumed to be approximately 30 years, over the next few years. Additionally the concrete drywell and wet well at the pump station requires painting. As the upgrade project takes place, wet well controls should be replaced to meet current safety standards.

Benefit: Replacement of a deteriorated system with a reliable sewer collection system that can be maintained in the future.

Schedule: YR1: design. YR3: construction.

Capital Funding (1000's)

								2029-	
	Prior Yrs.	2023	2024	2025	2026	2027	2028	2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	-	-	180	-	272	272	-	-	724
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	-	-	180	-	272	272	-	-	724
FUNDING USES (1000's)									
Project Management	-	-	7	-	-	-	-	-	7
Design/construction	-	-	173	-	272	272	-	-	717
Sub-total	-	-	180	-	272	272	-	-	724

Estimated Impact on Future Operating Budget

								2029-	
	Prior Yrs.	2023	2024	2025	2026	2027	2028	2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

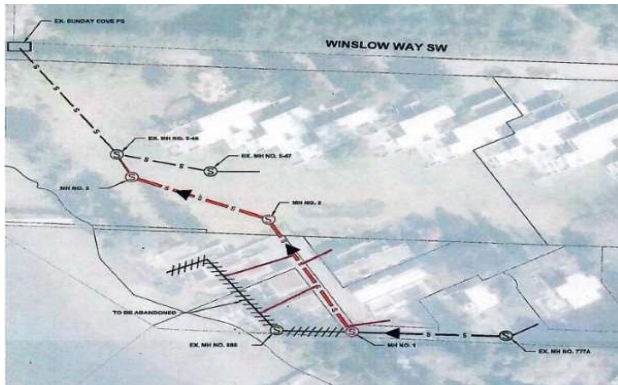
Project: Install Gravity Sewers

Number:

01085

Location: Sunday Cove

Project Description



Description: This project is part of a suite of projects (Lovell Pump Station; Sunday Cove Pump Station; and Sunday Cove Gravity Sewers) that are planned to facilitate the abandonment of the north and south sewer beach main, which is an aging facility that has reached the end of its useful life. Abandonment of the beach mains was determined to be the best replacement approach due to environmental, maintenance and cost-benefit concerns.

Benefit: Replacement of a deteriorated system with a reliable sewer collection system that can be maintained in the Schedule: 2020: Design; 2026: Construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	135	10	80	1,396	-	-	-	-	1,621
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	135	10	80	1,396	-	-	-	-	1,621
FUNDING USES (1000's)									
Project Management	3	5	2	-	-	-	-	-	11
Design/construction	132	5	78	1,396	-	-	-	-	1,610
Sub-total	135	10	80	1,396	-	-	-	-	1,621

Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

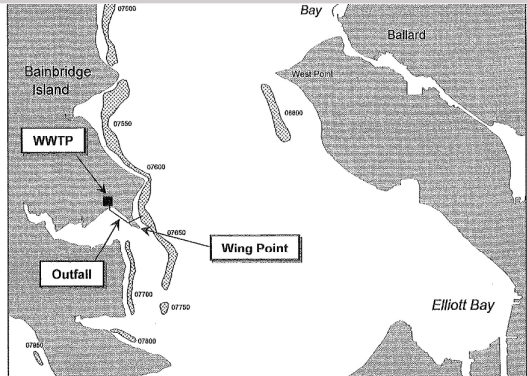
Project: Extend WWTP Outfall

Number:

01106

Location: Wing Point

Project Description



Description: The outfall from the City WWTP operates under an aquatic lease with WDFW. The outfall terminates in a geoduck bed, which is closed for harvesting due to this outfall. Recent shellfish surveys have documented the loss of potential harvest, and WDFW has notified the City that natural resource fines will likely be implemented in the near future. This project will extend the outfall as described in the Cosmopolitan Engineering report of 2008.

Benefit: Protect natural resources and ensure the future operation of the WWTP.

Schedule: YR1: design, YR2: construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	-	350	700	-	-	5,300	-	-	6,350
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	-	350	700	-	-	5,300	-	-	6,350
FUNDING USES (1000's)									
Project Management	-	7	10	-	-	-	-	-	16
Design/construction	-	343	690	-	-	5,300	-	-	6,334
Sub-total	-	350	700	-	-	5,300	-	-	6,350

Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

Project: Ferncliff Ave Conveyance Upgrades

Number:

01235

Location: Ferncliff Ave

Project Description

Description: The Ferncliff water line extension is intended to serve two small water systems, the City's Casey Street water system, which was purchased by the City in 2018, and the Ferncliff Water Association system, which is seeking options in lieu of rebuilding an aging system.

Benefit:

Schedule: YR1: design. YR2: construction.

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	250	1,000	-	-	1,250
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	250	1,000	-	-	1,250
FUNDING USES (1000's)									
Project Management	-	-	-	-	-	-	-	-	-
Design/construction	-	-	-	-	250	1,000	-	-	1,250
Sub-total	-	-	-	-	250	1,000	-	-	1,250

Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

Project: Ferry Terminal Pump Station Relocation

Number:

TBD

Location: Ferry Terminal

Project Description

Description:

Benefit:

Schedule: YR1: design. YR2: construction.

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	150	700	-	850
SSWM Fund	-	-	-	-	-	-	-	-	-
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	150	700	-	850
FUNDING USES (1000's)									
Project Management	-	-	-	-	-	-	-	-	-
Design/construction	-	-	-	-	-	150	700	-	850
Sub-total	-	-	-	-	-	150	700	-	850

Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-



This page intentionally left blank

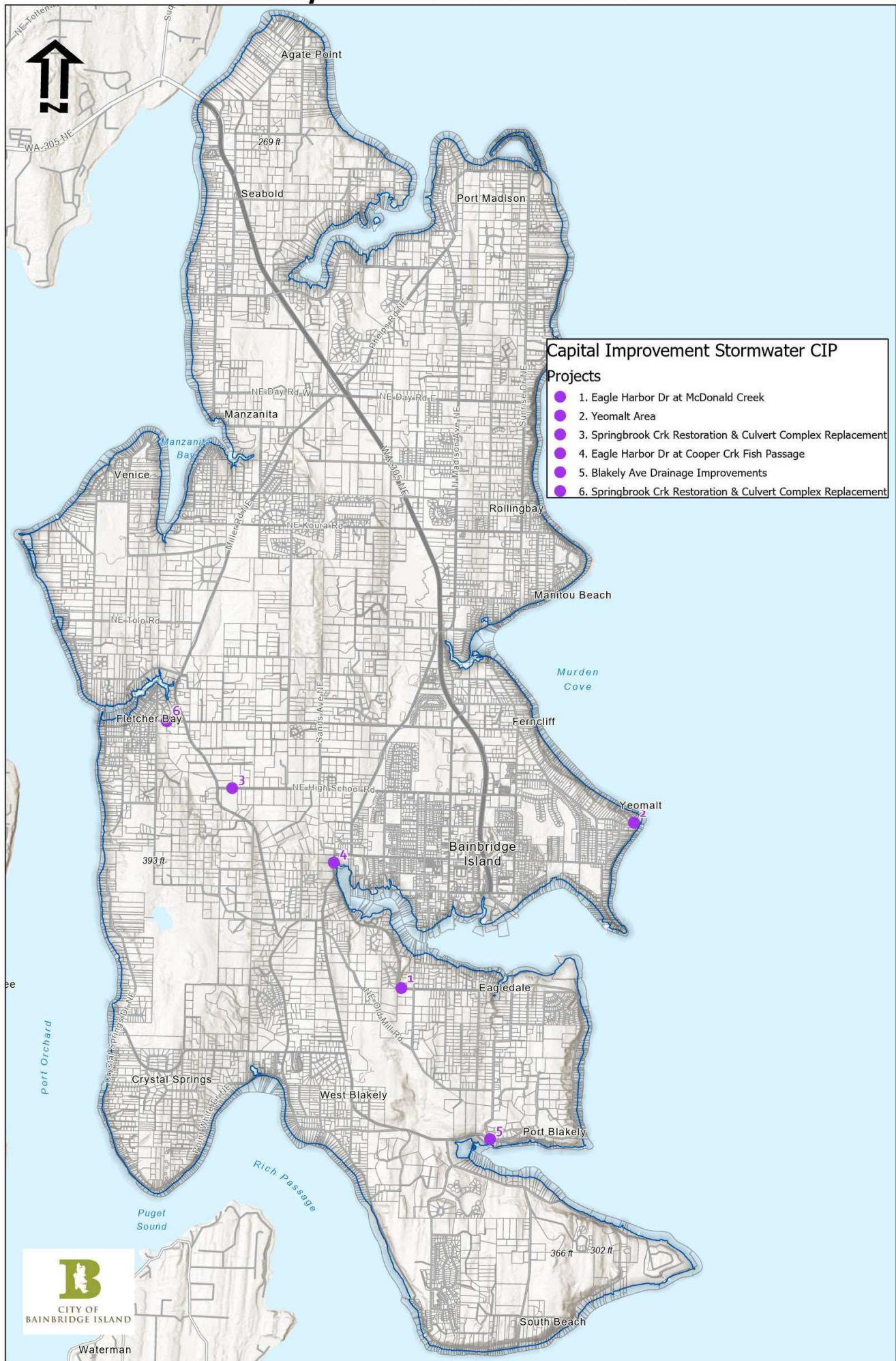
City of Bainbridge Island
Stormwater CIP (2023- 2028)
2024 Modified Budget

Project / Location	Grant Eligible	Grant Awarded	Grant Funds	Tax Supported	Wtr Component	Swr Component	SSWM Comp	Prior Years	2023	2024	2025	2026	2027	2028	2029-2042	Total
STORMWATER PROJECTS - 6-YEAR CIP (1000s)																
Eagle Hrbr. Dr. @ McDonald Creek Culvert <i>Eagle Harbor Dr</i>			-				Y	276	100	-	-	-	-	-	-	376
Yeomalt Area Drainage Improvements <i>Yeomalt Area</i>			-				Y	68	723	-	-	-	-	-	-	791
Springbrook Creek Restoration and Culvert Complex Replacement <i>High School Rd & Fletcher</i>	x		-				Y	-	310	1,250	-	-	-	-	-	1,560
Springbrook Fish Passage <i>Fletcher Bay Rd</i>	x		2,655	Y			Y	135	169	796	1,925	-	-	-	-	3,025
Eagle Harbor Drive Cooper Creek Fish Passage <i>Head of Bay</i>	x		-				Y	24	1,052	532	-	-	-	-	-	1,608
Blakely Ave. Drainage Improvements <i>Blakely & Halls Hill</i>			-				Y	-	-	-	468	-	-	-	-	468
City Funding								418	2,354	1,808	593	-	-	-	-	5,173
Grant Totals								85	-	770	1,800	-	-	-	-	2,655
TOTAL								503	2,354	2,578	2,393	-	-	-	-	7,828

2023 BUA

2024 Mod

2023/2024 Stormwater CIP



Project: Eagle Harbor Drive at McDonald Creek

Number:

00823

Location: 5530 Eagle Harbor Drive

Project Description



Description: Replacement of an existing deep concrete culvert that shows signs of failure.

Benefit: Preservation of roadway and drainage system.

Schedule: 2020: Design and permitting; Construction deferred until permits are in place.

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-	-
SSWM Fund	276	100	-	-	-	-	-	-	376
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	276	100	-	-	-	-	-	-	376
FUNDING USES (1000's)									
Project Management	20	-	-	-	-	-	-	-	20
Design/construction	256	100	-	-	-	-	-	-	356
Sub-total	276	100	-	-	-	-	-	-	376

Estimated Impact on Future Operating Budget (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

Project: Yeomalt Area Drainage Improvements

Number:

00663

Location: Area bordered by Cherry, Yeomalt, Madrona and Wing Point Way

Project Description



Description: Provides for storm drainage improvements in the Yeomalt area. The City completed design in 2014 with funds received from a DOE grant for water quality.

Benefit: Much of the Wing Point area above Yeomalt Point was developed before regulations required conveyance systems. Currently there are drainage problems in many areas and/or existing conveyances are lacking or inadequate.

Schedule: 2021: Design; 2023: Construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-	-
SSWM Fund	68	723	-	-	-	-	-	-	791
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	68	723	-	-	-	-	-	-	791
FUNDING USES (1000's)									
Project Management	15	21	-	-	-	-	-	-	36
Design/construction	53	702	-	-	-	-	-	-	755
Sub-total	68	723	-	-	-	-	-	-	791

Estimated Impact on Future Operating Budget (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

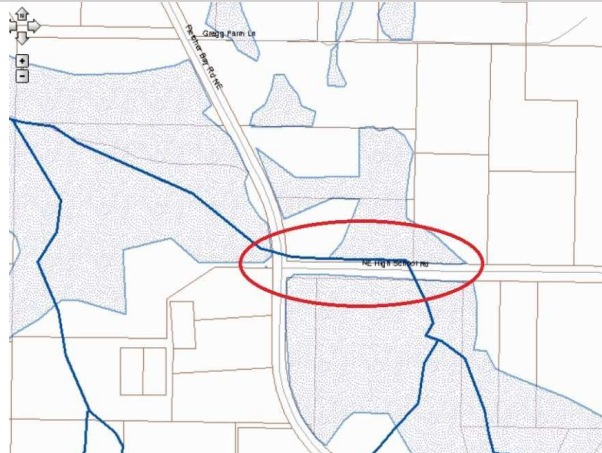
Project: Springbrook Creek Restoration and Culvert Complex Replacement

Number:

01236

Location: Vicinity of High School and Fletcher Intersection

Project Description



Description: Upgrade failing complex of culverts across High School and Fletcher Bay Roads to fish passage culverts and restore section of creek that has been degraded.

Benefit: Preserve roadway and improve environmental conditions

Schedule: YR 1: Design; YR 2: Construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-	-
SSWM Fund	-	310	1,250	-	-	-	-	-	1,560
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	-	310	1,250	-	-	-	-	-	1,560
FUNDING USES (1000's)									
Project Management	-	10	38	-	-	-	-	-	48
Design/construction	-	300	1,212	-	-	-	-	-	1,512
Sub-total	-	310	1,250	-	-	-	-	-	1,560

Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

Project: Springbrook Fish Passage

Number:

01159

Location: Fletcher Bay Road west of New Brooklyn

Project Description



Description: The Springbrook Fish Weir/Passage project proposes to replace the existing culvert at Springbrook Creek with an open box/bridge structure and streambed restoration.

Benefit: Provide a more adequate infrastructure for fish passage.

Schedule: YR 1: Design YR 2: Construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
General Fund	50	-	176	100	-	-	-	-	326
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-	-
SSWM Fund	50	169	26	125	-	-	-	-	370
Federal Grant	-	-	770	1,800	-	-	-	-	2,570
State Grant	85	-	-	-	-	-	-	-	85
Sub-total	185	169	972	2,025	-	-	-	-	3,351

FUNDING USES (1000's)

Project Management	1	20	9	25	-	-	-	-	55
Design/construction	184	149	963	2,000	-	-	-	-	3,296
Sub-total	185	169	972	2,025	-	-	-	-	3,351

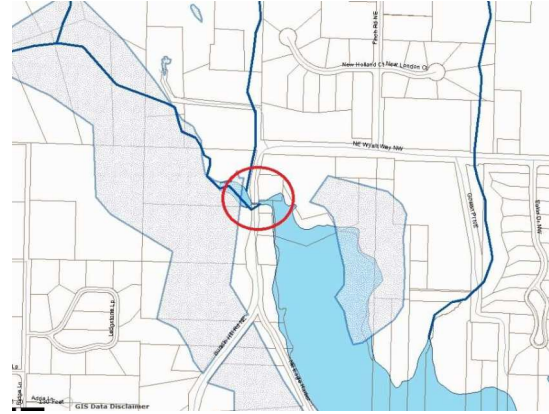
Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

Project: Eagle Harbor Drive Cooper Creek Fish Passage
Location: Head of the Bay North of Green Light Automotive

Number: 01107

Project Description



Description: Replace existing undersized culvert with a fish passage box culvert wide enough to accomodate non-motorized improvements on Eagle Harbor Drive.

Benefit: Addresses flooding, provides for fish passage, and accommodates future non-motorized improvements.

Schedule: 2021: Design; 2024 Construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-	-
SSWM Fund	24	52	1,531	-	-	-	-	-	1,608
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	24	52	1,531	-	-	-	-	-	1,608
FUNDING USES (1000's)									
Proj. Management	7	15	2	-	-	-	-	-	25
Design/construction	17	37	1,529	-	-	-	-	-	1,583
Sub-total	24	52	1,531	-	-	-	-	-	1,608

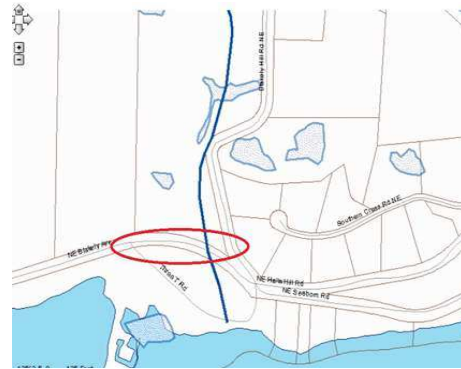
Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029- 2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

Project: Blakely Ave. Drainage Improvements
Location: Blakely Hills and Halls Hill intersection

Number: 01225

Project Description



Description: Restoration of downstream drainage channel and potential culvert replacement across Blakely Avenue near the intersection with Halls Hill Road. Portions of the improvements may be located outside of the ROW and on Park property.

Benefit: Addresses water on roadway and poor drainage.

Schedule: YR 1: Design and Construction

Capital Funding (1000's)

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-2042	Total
FUNDING SOURCES (1000's)									
General Fund	-	-	-	-	-	-	-	-	-
Water Fund	-	-	-	-	-	-	-	-	-
Sewer Fund	-	-	-	-	-	-	-	-	-
SSWM Fund	-	-	-	468	-	-	-	-	468
Federal Grant	-	-	-	-	-	-	-	-	-
State Grant	-	-	-	-	-	-	-	-	-
Sub-total	\$0	\$0	\$0	\$468	\$0	\$0	\$0	\$0	\$468

FUNDING USES (1000's)

Project Management				18					18
Design/construction				450					450
Sub-total	\$0	\$0	\$0	\$468	\$0	\$0	\$0	\$0	\$468

Estimated Impact on Future Operating Budget

	Prior Yrs.	2023	2024	2025	2026	2027	2028	2029-2042	Total
Operating	-	-	-	-	-	-	-	-	-
Debt Service	-	-	-	-	-	-	-	-	-
Sub-total	-	-	-	-	-	-	-	-	-

City Objectives for Solid Waste Management Contract

Last Updated: March 5, 2024

1. Maintain reliable services and strong customer support.
2. Enhance community aesthetics – fewer visible garbage cans on arterials.
3. Improve collection for hard to service areas.
4. Increase recycling and composting outreach and diversion.
5. Increase special item recycling – such as foam blocks, bulky waste, etc., like Ridwell.
6. Expand food and food packaging processing options.
7. Analyze anaerobic digester capabilities.
8. Control of waste stream for beneficial use.
9. Analyze the pros and cons of mandatory service for all residents of Bainbridge Island.
10. Reduce greenhouse gas emissions.
11. Minimize future rate impacts.

Utility Advisory Committee 2024 Look-Ahead Schedule

April/May

Comprehensive Plan – Utilities Element Review

Wastewater Beneficial Re-use Review

Stormwater Source Control Ordinance

Sewer Pre-Treatment Ordinance

Stormwater System Plan Final Draft Review

Water System Business Plan Review

June/July

2025-26 Budget/CIP Review

Comprehensive Plan – Utilities Element Review

Water / Sewer Financing and Rate Adjustments

August/September

2025-26 Budget/CIP Review

Water / Sewer Financing and Rate Adjustments

Water System Business Plan Review

October/November

2025 UAC Work Plan