



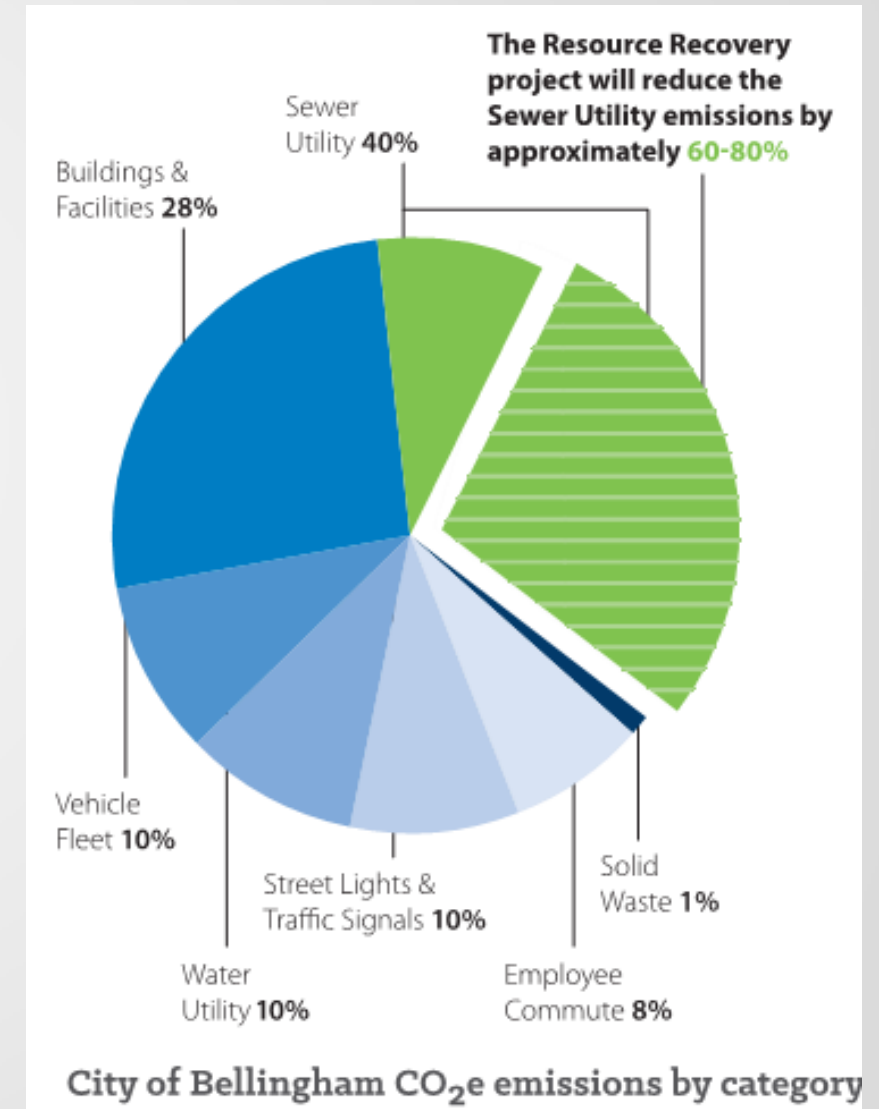
# Post Point Resource Recovery Plant Resource Recovery Project Update

April 28, 2021



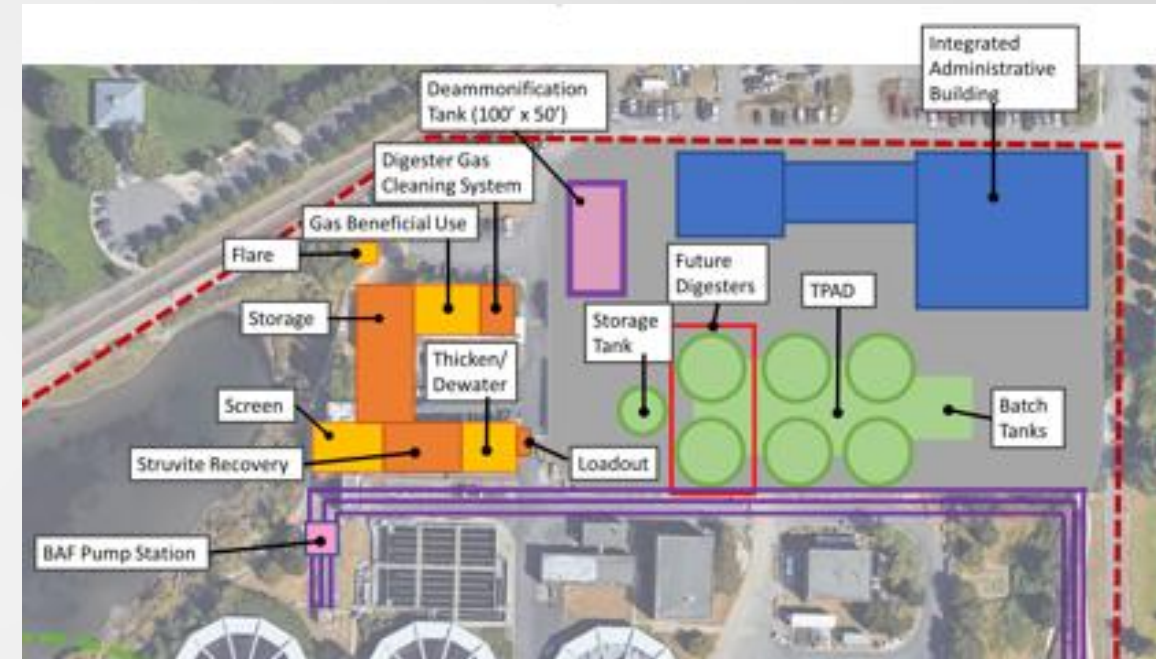
# Resource Recovery Update Topics

1. Off-site biosolids processing partnerships
2. Stakeholder outreach program
3. Nitrogen removal



# 1. Post Point and Off-site Facilities Required

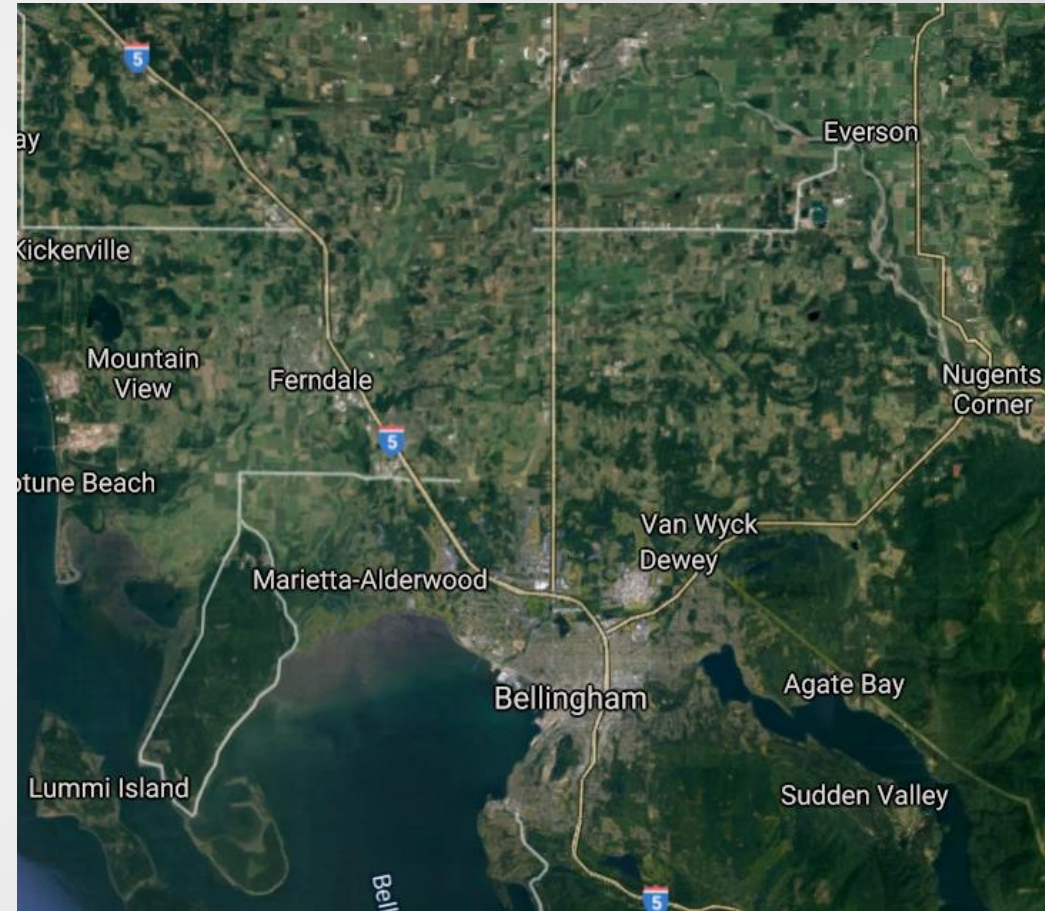
- **Digestion at Post Point**
  - New digestion facilities located in northeast corner of Post Point
- **Off-site Biosolids Processing**
  - Required to convert Class A digested solids to a marketable product
- **Market Outreach**
  - Identify potential private partnerships for off-site processing and/or marketing of product
- **Biogas – Pipeline Injection**
  - Scrub digester gas for pipeline injection
  - Establish gas utility requirements and agreement





# 1. Procurement of off-site biosolids services

- **Phase 1 RFP (~ Q3 2021)**
  - Quals, experience, financial strength, and proposed biosolids concepts
- **Phase 2 RFP (~Q1 2022)**
  - Pre-qualified service providers (from Phase 1) submit additional information.
  - Selection based on “best value” – weighted criteria including price and qualifications.



## 2. Stakeholder Outreach Program

*In March, these outreach efforts will begin to go out to stakeholders*

- **City-wide Newsletter**
- **Project website updates**
- **Engage.Bellingham site and survey Project**
- **Overview Video**

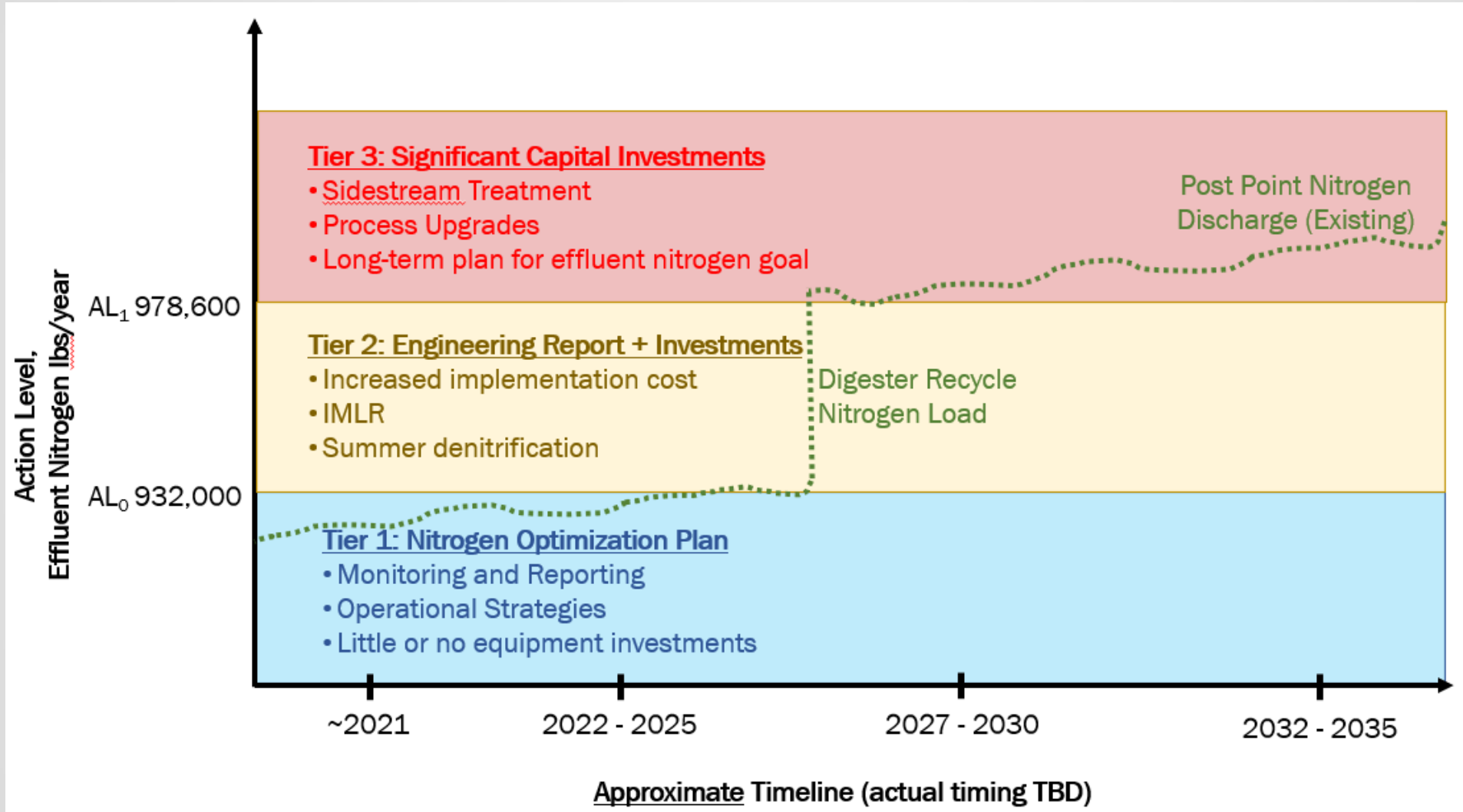


# 3. Nitrogen Removal Updates

- Ecology Director meeting on 12/3/20
  - Alignment around water quality goals
  - Expressed concern about rate impacts
- Ecology Puget Sound Nutrient General Permit
  - Preliminary Draft comments due March 15, 2021
  - Post Point “Action Levels” identified

# 3. Nitrogen Removal – draft General Permit

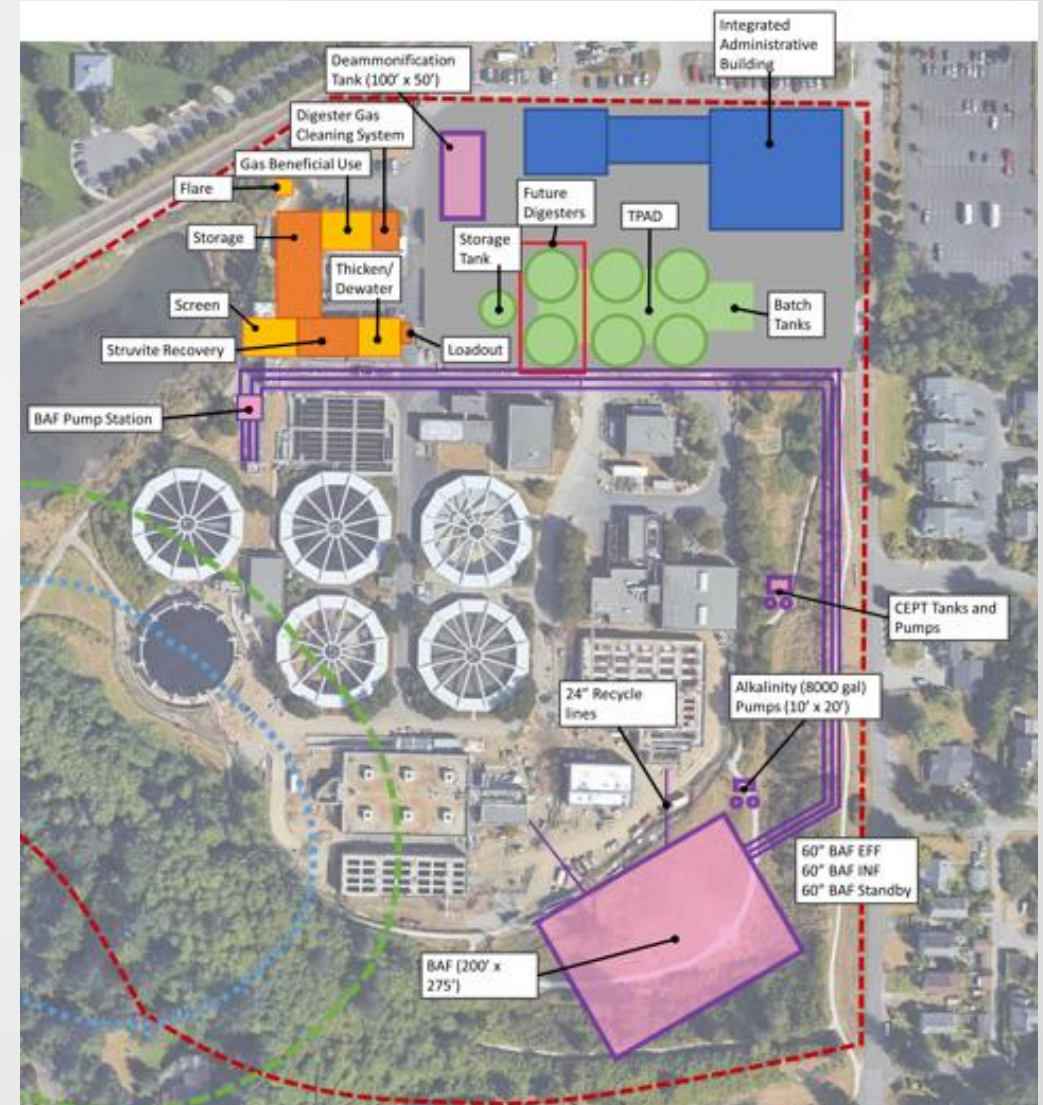
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# 3. What does nitrogen removal mean for the City?

- Post Point site would have capacity to ~ year 2050
- Timing of second WWTP dependent on growth and actual nitrogen limits
- Significant upgrades and complex construction
- Significant increase in OM cost (chemical, power, labor)
- Preliminary planning level project cost opinion: \$410-\$510M (2030\$)





# Next Steps

- Continue advancing the **Biosolids Facility Plan** as part of the Resource Recovery project – summer draft to Ecology
- Refine initial **rate impacts study and explore funding** options (e.g., WIAA)
- Continue with **stakeholder outreach** to inform the process
- Develop a **nutrient removal optimization study** to determine incremental improvements that could be made to comply with the expected nutrient cap
- Continue with data gathering and **dialogue with Ecology** to inform establishment of nutrient limits.





# Post Point Treatment Plant Resource Recovery Project Update

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