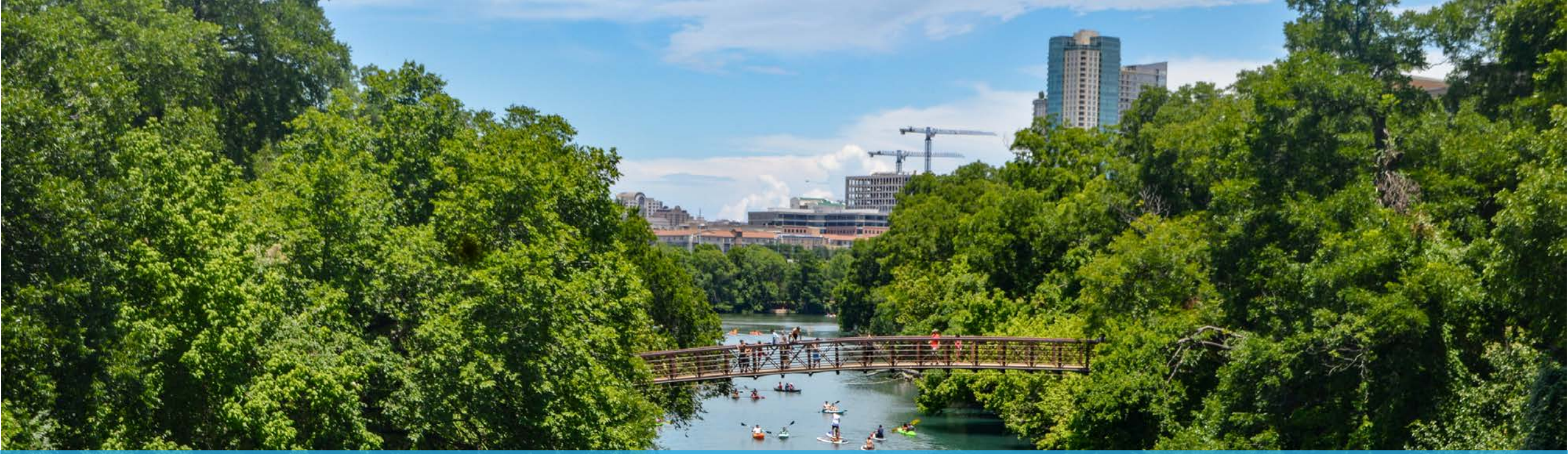


Ullrich Water Treatment Plant Community Meeting

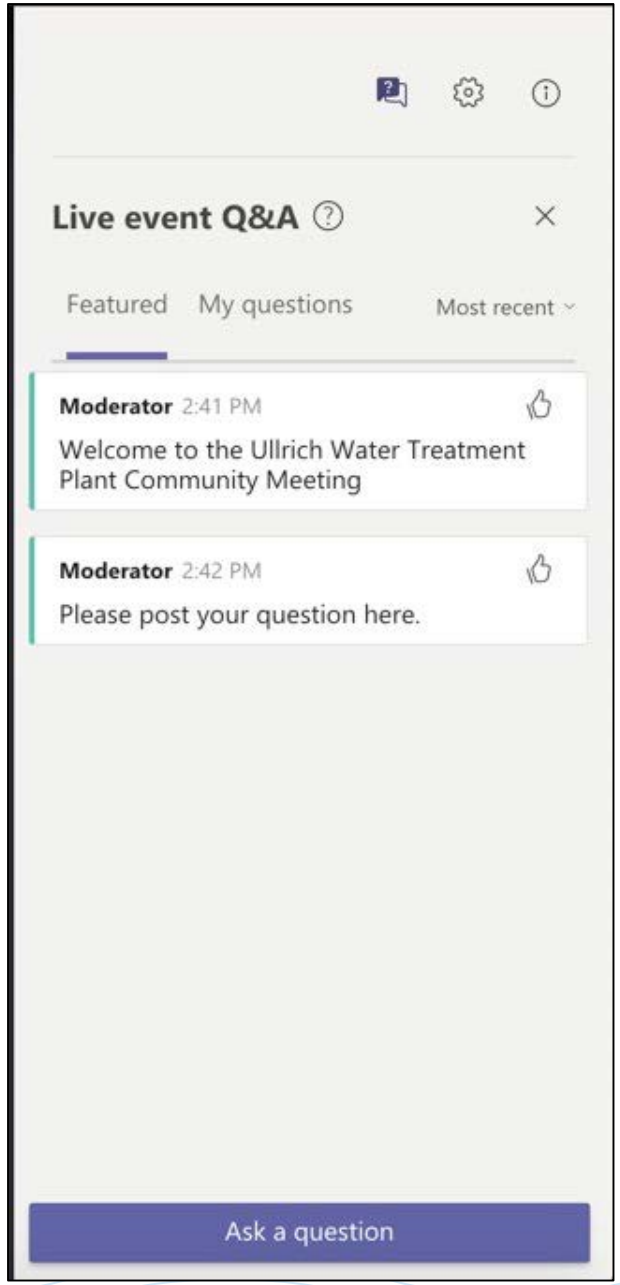
The meeting will start momentarily.

August 20, 2020

Agenda

- Welcome and Logistics
- Introductions
- Operations Update
- Projects Overview
- Questions and Answers
- Conclusion

Welcome and Logistics



Speaker Introductions

- Julie Hollandsworth, Treatment Division Manager
- Bill Stauber, Engineering Services Division Manager
- Gareth Nicely, Engineering Services Supervising Engineer
- Bryan Barnett, Project Sponsor
- Emlea Chanslor, Community Outreach

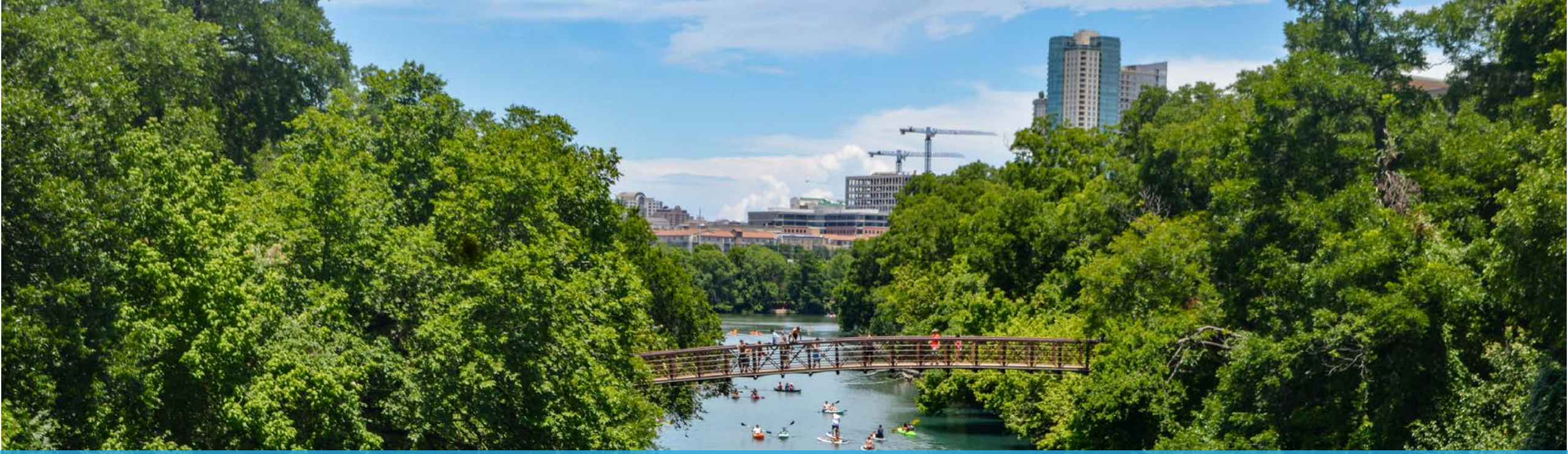
Team Members

Austin Water

- Kevin Fetterman, Ullrich Superintendent
- Ryan Baxter, Project Sponsor

Public Works

- Jason Martinez, Plant Inspector
- Nicholas Sybille, Project Manager
- Robyn Haasch, Project Manager
- Minda Sarmiento, Project Manager



Operations Update

Julie Hollandsworth

Plant Overview

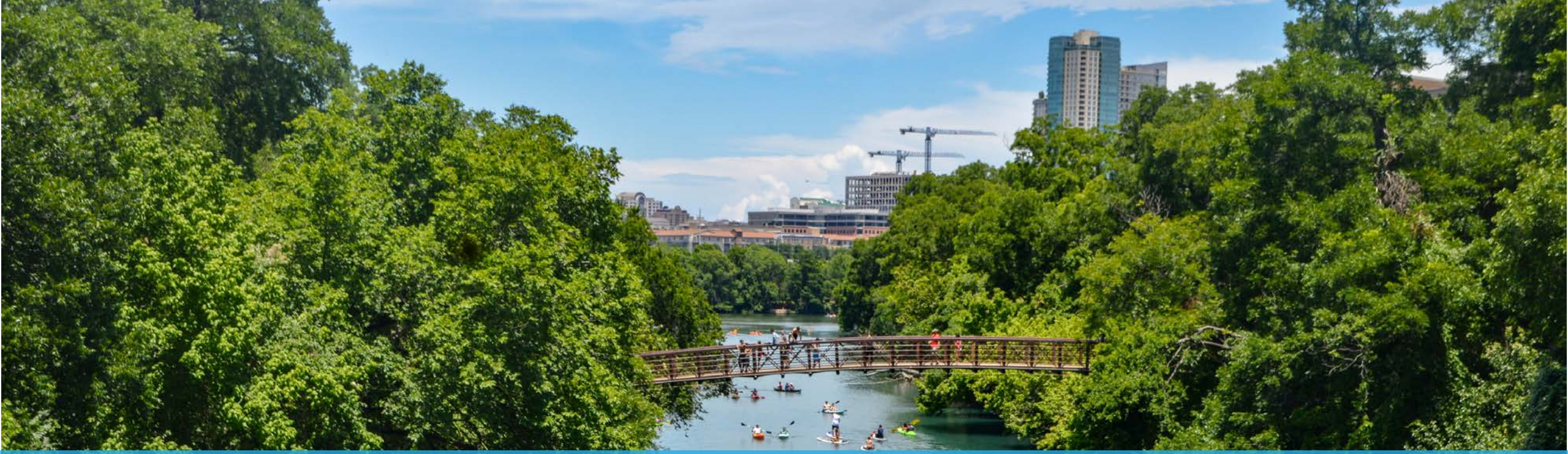
- One of three City of Austin drinking water plants
- Built in 1968
- Upgraded in 2006 from 100 MGD capacity to current capacity
- 167 MGD capacity
- Provides water to residents and wholesale customers predominately in South Austin including the community of West Lake Hills

Recent Operational Changes

- Teleworking when possible
- Scheduled employees in teams
- Temperature screening
- Extra Personal Protective Equipment
- Extra care given to sanitation and disinfection

Steps taken to reduce plant noise

- Reduced Lime Building exhaust fan speeds
- Muffled front gate travel alarms
- Removed sludge hauling trucks from their parking spaces near the Admin Building
- Limited times of day trucks (deliveries, hauling, garbage and recycle pickup) can operate
- Schedule certain maintenance before evening hours



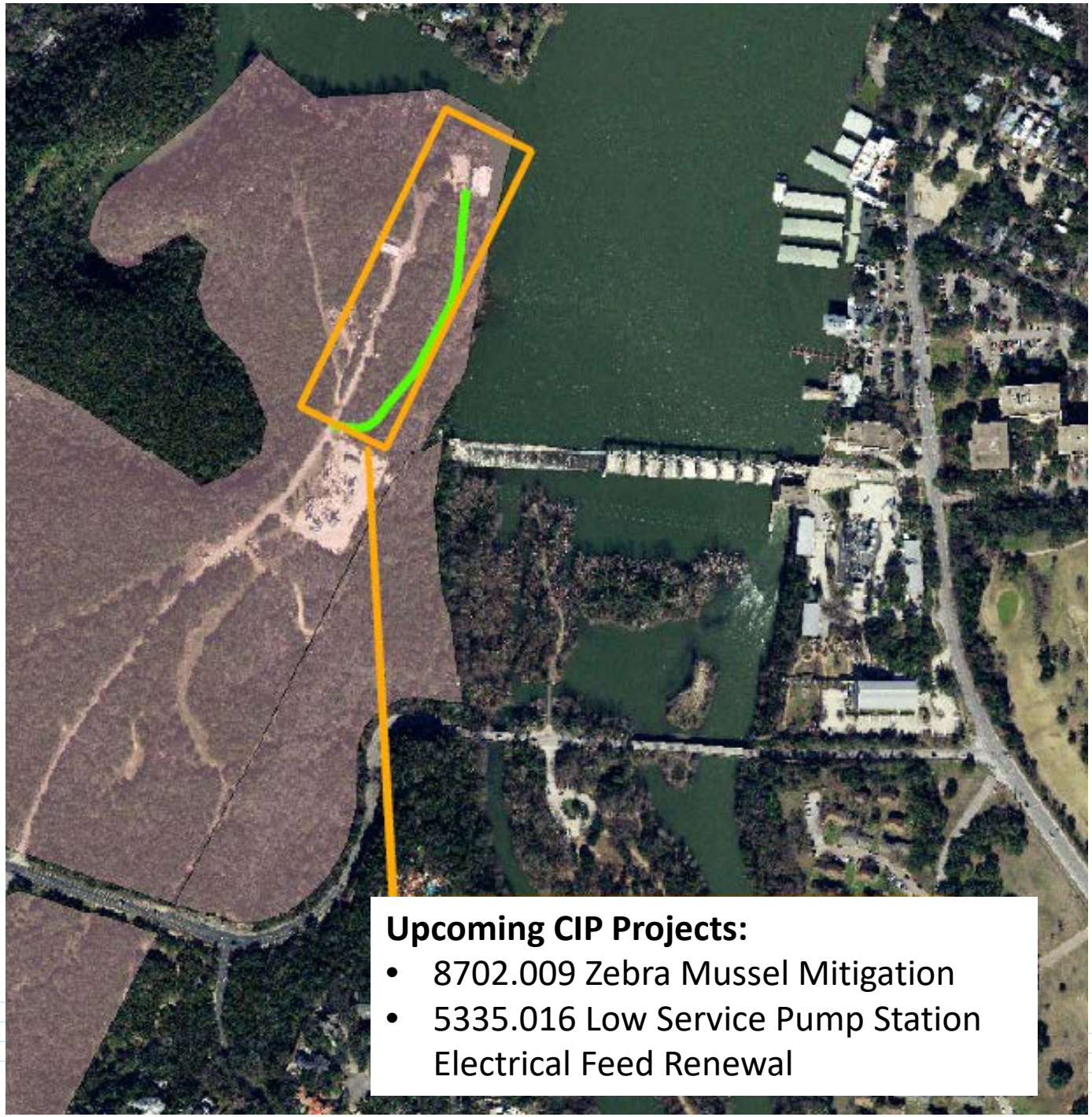
Project Updates

Bryan Barnett

Project Updates

- The projects will bring process enhancements to the plant.
- Austin Water's Capital Improvement Plan does not include plans to expand the current rated capacity of the plant, which is currently 167 million gallons per day.
- The projects will be constructed on the current site and are planned within the current fence line.

Projects on the Low Service Pump Station Tract



Upcoming CIP Projects:

- 8702.009 Zebra Mussel Mitigation
- 5335.016 Low Service Pump Station Electrical Feed Renewal

Zebra Mussel Mitigation

- Construction of buried piping within the low service pump station site and bulk storage tanks and feed pump equipment at the PAC building site.
- Estimated Construction Period:

  Spring 2020 – Winter 2020
- Construction Cost:

  $1.5 million

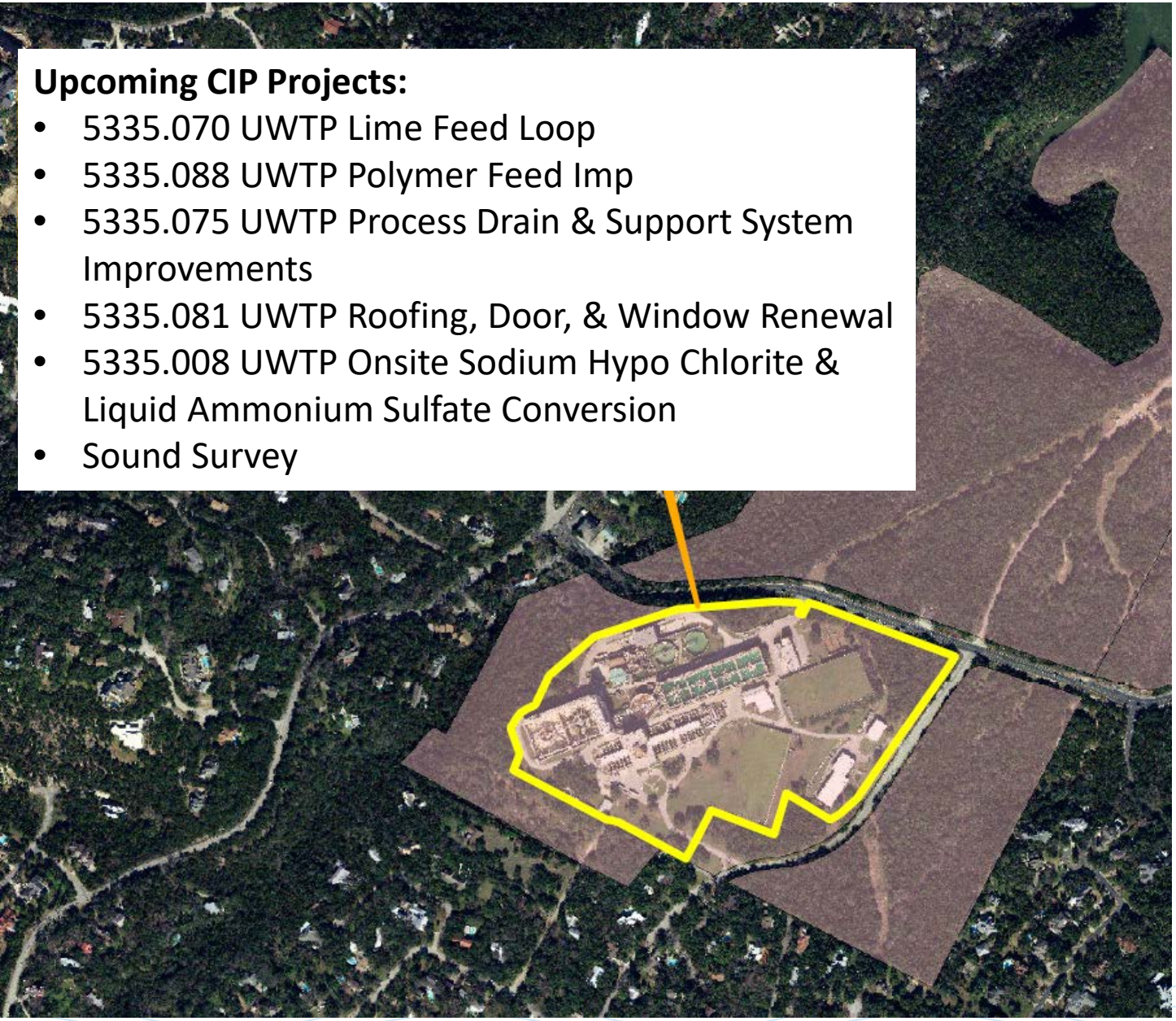
Low Service Pump Station (LSPS) Electrical Feed Renewal

- Construction of a new electrical building, roadway, and electrical duct bank. This construction will occur within the low service pump station site.
- Estimated Construction Period: Winter 2020 – Winter 2024
- Estimated Construction Budget: $23 million

15kV LSPS Feed Area of Construction

Work will primarily be between the LSPS Building and the existing AE substation. A water quality pond will be built along Lake Austin.

Projects on the Water Treatment Plant Tract



Upcoming CIP Projects:

- 5335.070 UWTP Lime Feed Loop
- 5335.088 UWTP Polymer Feed Imp
- 5335.075 UWTP Process Drain & Support System Improvements
- 5335.081 UWTP Roofing, Door, & Window Renewal
- 5335.008 UWTP Onsite Sodium Hypo Chlorite & Liquid Ammonium Sulfate Conversion
- Sound Survey

Ullrich WTP Lime Feed Loop

- Construct modifications to the lime slurry feed system, converting the existing system to a looped lime slurry delivery system. Work will primarily occur within the existing building. Some piping work will be done on the basins. New system will:
  - Enhance worker safety, automation and reliability
  - Minimize the need for truck drivers to use their truck's external blowers.
- Estimated Construction Period: Spring 2020 – Spring 2022
- Construction Cost: $11.5 million

Ullrich Polymer Feed System – Flood Resiliency Improvements

- Construct bulk storage tanks and chemical feed equipment next to the lime building.
- Estimated Construction Period:

  Fall 2020 – Winter 2021
- Estimated Construction Period: $2.4 million

Roofing, Door, and Window Renewal

- Construction of new roofs on portions of the Administration Building, Centrifuge Building, Sludge Handling Building, and construction trailer. It will also replace various windows and exterior doors.
- Estimated Construction Period: 2021 – 2023
- Estimated Construction Budget: $1.6 million

Onsite Sodium Hypochlorite and Liquid Ammonium Sulfate Conversion

- This project will allow deliveries of chlorine and ammonia gases to be discontinued for an inherently safer disinfection process. Sodium Hypochlorite (a diluted bleach solution) will be generated onsite using ordinary table salt and electricity, and the anhydrous ammonia gas feed system will be replaced with liquid ammonium sulfate, a safer alternative to ammonia gas.
- Estimated Construction Period: Winter 2022 – Fall 2024
- Estimated Construction Budget: $16.3 million

Sound Survey Update

- Austin Water conducted a sound survey in 2008.
- At the request of the City of West Lake Hills, an updated sound survey will be conducted and a report summarizing the sound levels measured, their relation to plant operations, their compliance with current City of Austin and City of West Lake Hills noise ordinances and identified enhanced noise mitigation opportunities will be completed.
- Estimated Completion: Winter 2020

Questions and Answers

Thank you for attending.

- Visit **austintexas.gov/Ullrich**
- Sign up to receive updates by email
- Contact:

Emlea Chanslor

Community Outreach

512-972-0145

emlea.chanslor@austintexas.gov