



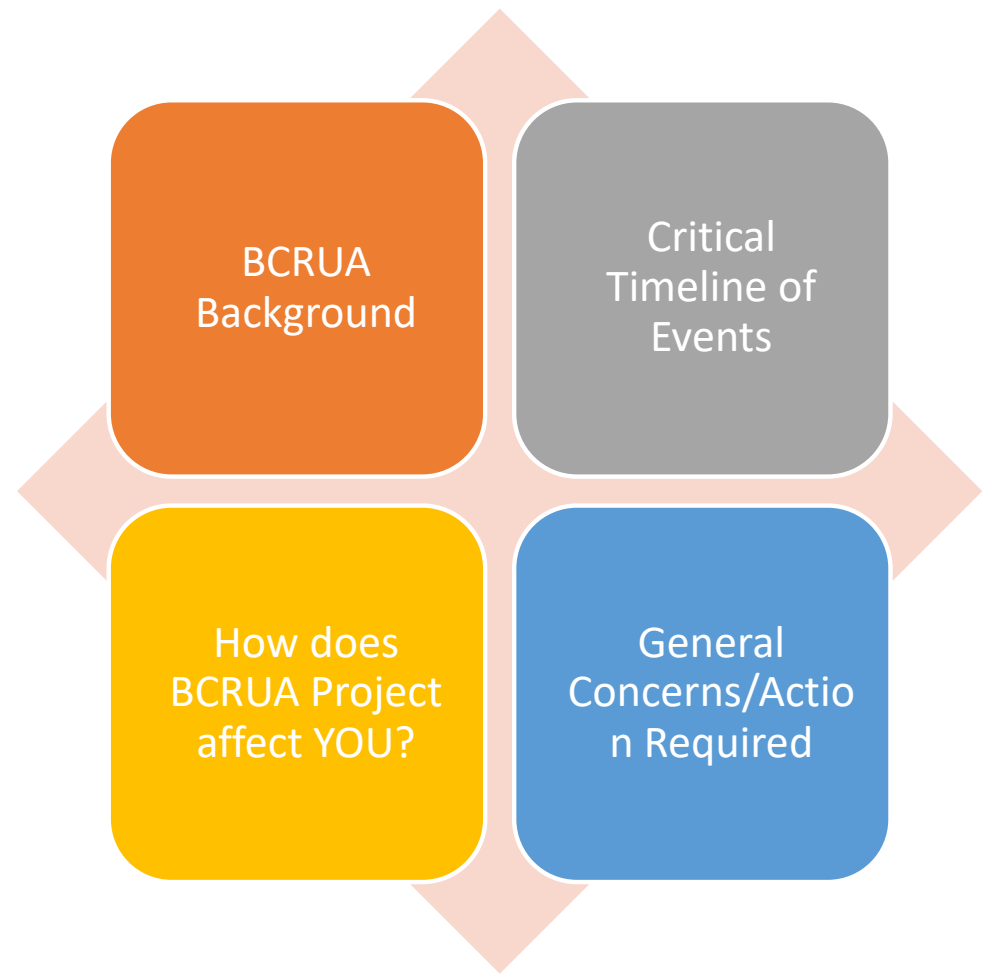
Village of Volente

BCRUA – Community Feedback
Request

Town Hall with BCRUA Scheduled
for November 4th at 6pm



Table of contents



BCRUA - Background

- The Brushy Creek Regional Authority is a partnership of the cities of Cedar Park, Leander and Round Rock to treat and distribute water from the Lower Colorado River Authority
- Phase 2 Raw Water Delivery System Project
 - The purpose of the project is to supply 145m gallons per day to BCRUA Regional water treatment plants
- The BCRUA project has been approved and funded and affects the Village in the following ways:
 - Installation of permanent 3,000 sf Maintenance Building (Site 4)
 - Installation of Raw Water Intake
 - Installation of Gravity Intake Tunnel
 - Installation of Drop Shafts
 - Installation of Pump Station on Lake Travis (Site 8)
 - Construction of Jackson Street Extension
 - Construction of circular driveway at intersection of Bernard and Jackson Streets

BCRUA - Background

BCRUA Project Schedule

- Design estimated to be completed mid 2021
- Construction estimated to begin late 2021
- Project expected to last at least 5 years

Location Sites

- **Maintenance Building**
 - Land located at the end of Jackson Street off of Bernard Street
 - Its purpose is to administer chemical repellent to Zebra mussels
- **Raw Water Intake**
 - Off shore adjacent to Bernard Street between Starnes Island and Volente neighborhood
 - Approximately 300' below the water surface when lake is full (681')
- **Gravity Intake Tunnel**
 - Connects Raw Water Intake to Pump Station (see map on next slide)
 - 100' to 400' underground eliminating "open trench" pipeline
- **Drop Shafts**
 - Concrete pumped through shafts to create underground tunnel
 - Shaft 1 – Water Intake
 - Shaft 2 – Bernard (Maintenance)
 - Shaft 3 – West / Lime Creek Rd.
 - Shaft 4 – Pump Station
- **Pump Station**
 - Located at Cedar Park WTP north of Sandy Creek Marina on Lime Creek Rd.



Gravity Intake Tunnel



Scale bar: 0 100 200 Feet

 **Walker Partners**
engineers • surveyors
1975-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025

BCRUA

Critical Timeline of Events



Interlocal Agreement (ILA)

Current draft version of ILA 10/20

Please review ILA located on Village web site

www.villageofvolente-tx.gov
https://www.villageofvolente-tx.gov/vertical/sites/%7BA12E976C-9CE3-4BFC-BC01-DA09425A5BE6%7D/uploads/200709_BCRUA-Volente_ILA_07--09-20_Draft.pdf



Community Questions

WE NEED TO HEAR FROM YOU

Please submit questions by Sunday, November 1 at Noon

Questions4BCRUA@gmail.com



YOUR Questions due to BCRUA Monday, 11/2



Town Hall with BCRUA – Wednesday, 11/4 @6pm (see Village web site for Zoom info)



BCRUA targeting ILA finalization prior to Year End

This is our final opportunity to negotiate a mutually acceptable ILA that maximizes the input from the Village residents

How Does BCRUA Project Affect YOU?

- **Construction**
 - Raw Water Intake
 - Planned first and constructed off shore on Lake Travis
 - Duration estimated 1 year
 - Raw Water Intake Tunnel
 - Tunnel excavation from Pump Station to Drop Shaft 3 West/Lime Creek (est. 6 months)
 - Tunnel excavation continuing from Shaft 3 to Raw Water Intake (est. 6 months)
 - Maintenance Building (Site 4) and Pump Station (Site 8)
 - Planned to start at the same time
 - Construction on site within the Village of Volente
 - Could be 3 years out from the start of the project
- **Traffic Impacts of Construction Activities**
 - No transportation will be permitted through the Village of Volente
 - From Pump Station to Anderson Mill on Lime Creek; 70 Trucks per day
 - Jackson Street is preferred road for incoming / outgoing heavy equipment to Site 4
 - Approximately 30 trucks total for spoils – 1-2 weeks total
 - Installation of 16' wide circular driveway that is 700' long down to water at the Bernard / Jackson Street intersection
 - Installation of Jackson Street Extension is 30' wide and 650' long
 - Oversized truck delivery of chemicals (2 chemical tanks) to Maintenance Building for Zebra Mussel control (Copper Sulfate & Sodium Hypochlorite)
 - Pump Station / Drop Shafts – Each site has 12 concrete deliveries a day; 3 months duration



How Does BCRUA Project Affect YOU?

- **Spoil Removal**

- Intake (Site 4)
 - Transported by Barge off shore
- Maintenance Building (Site 4)
 - Transported by commercial dump trucks with 30 cubic yards capacity
 - 30+ in/out trips will be required to remove spoil
- Pump House (Site 8) – Transported by Truck
 - Transportation from Pump House will be north on Lime Creek Road to Anderson Mill Road
- No transportation allowed through the Village of Volente

- **Residential Well Systems**

- Impact to Wells near Gravity Intake Tunnel – 400ft of either side of the Tunnel
- Impact to Wells less than 1% chance

General Concerns For All Areas

- **Construction**
 - Days / Hours of Construction
 - Holiday and Weekend Activity
 - Bus Schedule Consideration
- **Traffic Management Plan**
 - Volume, frequency, equipment
 - Truck sizes/weights
 - Pathways in/out
 - Road Closures on Lime Creek
- **Road Impacts**
 - Road requirements to support heavy equipment transportation
 - Road maintenance / repair before, during and after construction
 - Speed limits in/out of Village and especially Jackson Street
- **Electrical Requirements**
 - Impact to low hanging telephone pole lines that cross Jackson Street
- **Residential Wells**
 - Risk to well levels
 - Well monitoring
 - Risk mitigation activities
- **Other Impacts**
 - Noise / Air Quality / Light Pollution / Dark Sky Ordinance / Insurance coverage / expense reimbursement

Action Required

- We need to hear from YOU!
 - Please submit your questions for the BCRUA Town Hall
 - Questions4BCRUA@gmail.com
 - No later than Sunday, November 1st, by noon
- Join the Town Hall with BCRUA
 - Wednesday, November 4th at 6pm
 - Zoom info located on the Village of Volente web site
 - www.villageofvolente-tx.gov
 - Click on Calendar, go to November 4th, click on event for Agenda/Zoom

