

Thornton Water Project Pump Station Site Visit



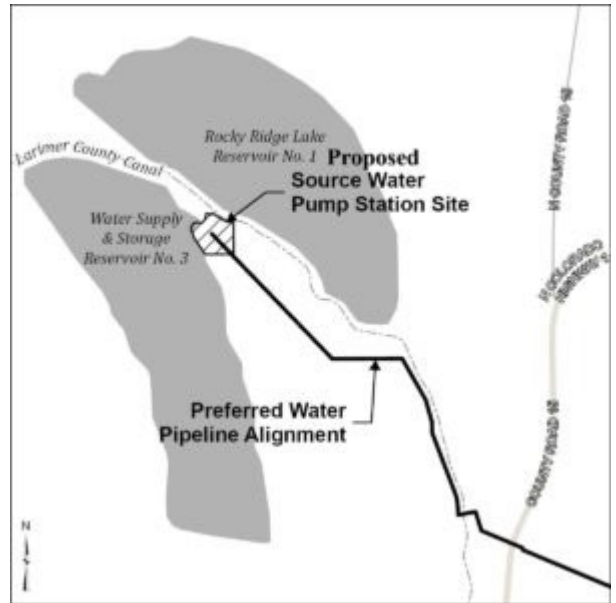
March 12, 2024 9:30 to 11 am
March 18, 2024 11 am to 12:30 pm

Purpose: As a part of the Thornton Water Project, the city of Thornton is proposing to construct a raw water pump station adjacent to Water Supply and Storage Company Reservoir No. 3.

This tour will include visits to two existing pump stations, located in Thornton, to provide Larimer County residents an opportunity to view operational pump stations.

Agenda:

- Meet at Thornton Fire Station No. 5
- Sign and collect waivers
- Introductions and safety briefing
- East Gravel Lake 4 Raw Water Pump Station
- Zone 3A Potable Water Pump Station
- Tour concludes



Pump Station Characteristics

	WSSC #3 (planned)	EGL #4	Zone 3A
Capacity	4 mgd to 40 mgd	2.4 mgd to 60 mgd	0.7 mgd to 20 mgd
Building size	10,000 sq ft ¹	2,100 sq ft	2,475 sq ft
Number of pumps	2 duty, 1 standby (initially) 6 duty, 1 standby (full capacity)	6 duty	6 duty
Total horsepower	2,700 hp (initially) 900 hp (x3) 6,300 hp (full capacity ¹) 900 hp (x7)	3,100 hp: 250 hp (x2) 600 hp (x2) 700 hp (x2)	1,200 hp: 50 hp (x2) 200 hp (x2) 350 hp (x2)
Year built	N/A	1996	2008
Description	Source water pump station	Source water pump station	Potable water pump station

mgd = million gallons per day

sq ft = square feet

hp = horsepower

¹ Based on planning level pump arrangement