

Public Meeting *Town of Crested Butte* *WWTP Improvements Project*



TOWN COUNCIL PRESENTATION

MARCH 7, 2022

// WWTP Improvements Project

- Solids building improvements and equipment replacement
- Rehabilitation of Compost Building
- Secondary treatment building
- Odor control (near term and long term)



// WWTP Improvement Project Elements

WWTP Project : Aeration Building

Enclose secondary treatment process (aeration basin building) with office

Phosphorus improvements (preliminary design only)

Increase potable water service to the plant (6-inch) and add hydrant

Centrate return improvements

125 kW solar array

Solids Process and Compost Building

Rotary drum thickener & polymer system

SHT blower replacement

Replace SHT transfer pumps

Centrifuge polymer feed system replacement

Replace existing boiler in solids building

Rehabilitation of existing compost building

State Revolving Fund Loan Requirement //

Meeting Agenda: Public Meeting

Timeline of project

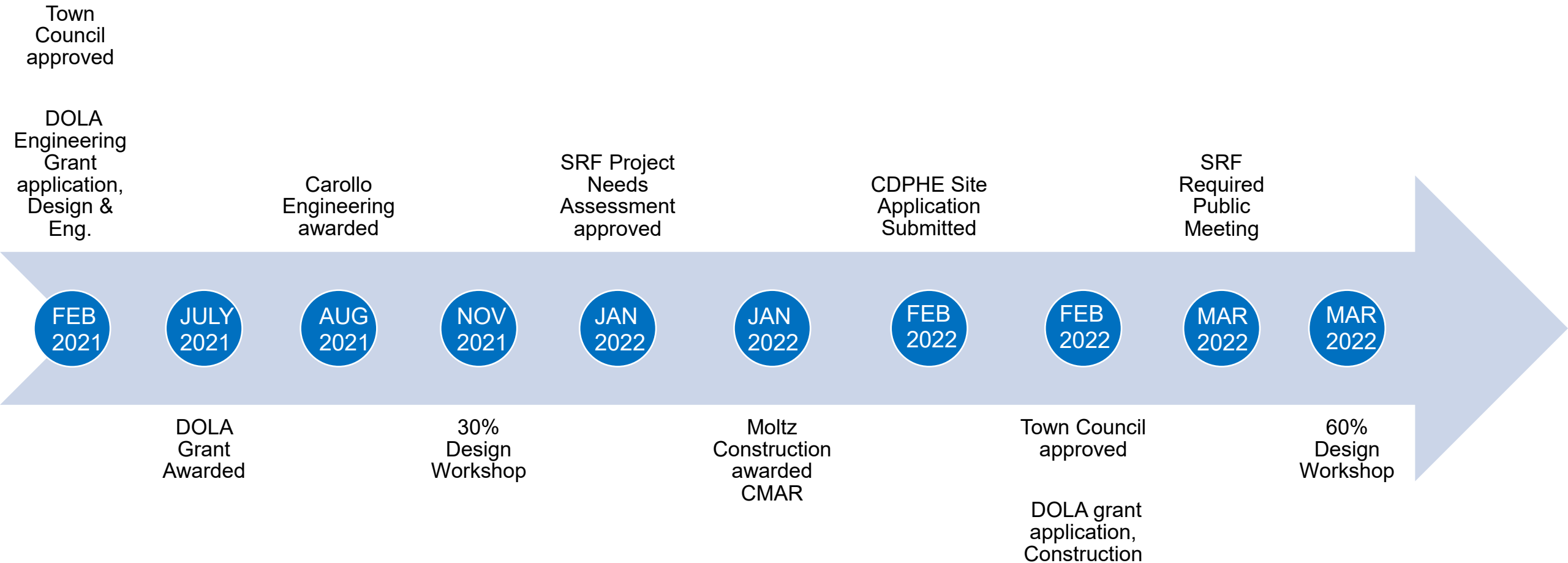
Projected Rate Increases

Construction Impacts



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Timeline of Project



Existing Site:



Render Blue Scheme SE



Render Blue Scheme SW

Projected Rate Increases



20% increase in water
and wastewater rates
January 1, 2022

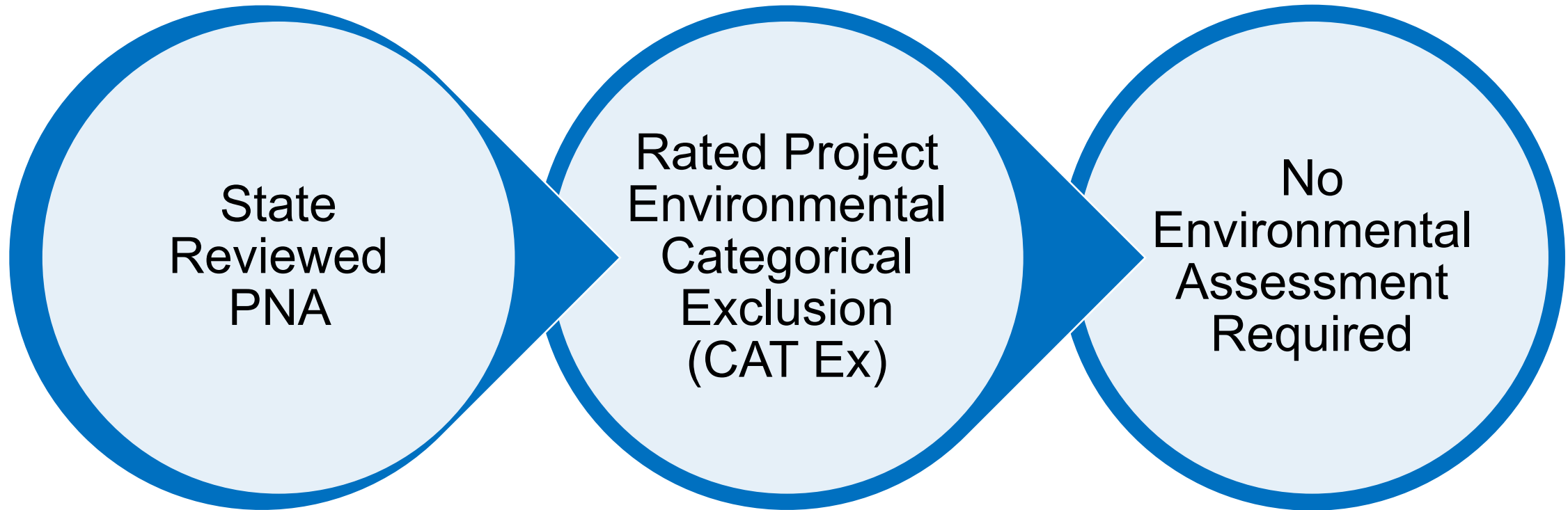


Water Rates Discussion

Construction Impacts



Project Needs Assessment (PNA) is on Town of Crested Butte Website



QUESTIONS



Alternatives – Solids process improvements

Alt. 1

New solids thickener, existing dewatering centrifuge, update blowers & pumps, retrofit empty tanks to thickened sludge holding tanks with mechanical mixing, convert existing thickened sludge holding to secondary raw sludge holding

Alt. 2

Same as alternative 1 with the inclusion of a new dewatering centrifuge

Alt. 3

Do Nothing

// WWTP Improvements Project Scope

- Project definition / preliminary design
 - Confirm future flow and loading
 - Odor control study
 - Dewatering optimization
 - Occupied space planning
 - Geotechnical investigation
 - Survey
- Design phase
 - Permitting
 - Contractor solicitation (30% design)



// WWTP Improvements Project – to show location

