



**HALLIGAN WATER
SUPPLY PROJECT**

March 15, 2023

**Halligan Water Supply
Project: Overview for
Parks and Wildlife
Commission**

Presented by:

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Water Resources Engineer



- Overview of Halligan Water Supply Project
 - Prepare for FWMEP in May/June
- Fort Collins Utilities Background
- Halligan Project Background
- Status of Permitting and Design
- Questions





Cache la Poudre River



Colorado-Big Thompson Project (CBT)
via Horsetooth Reservoir

~50/50 split between sources

City Strategic Plan



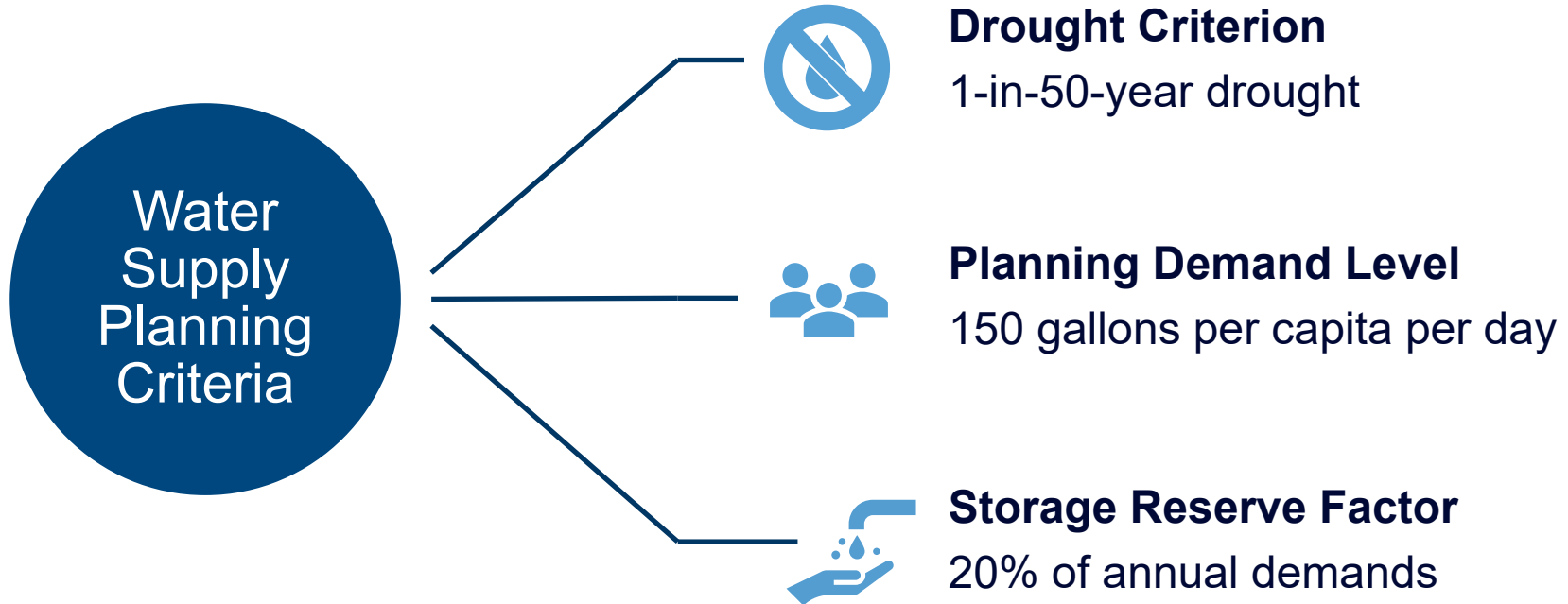
Policy

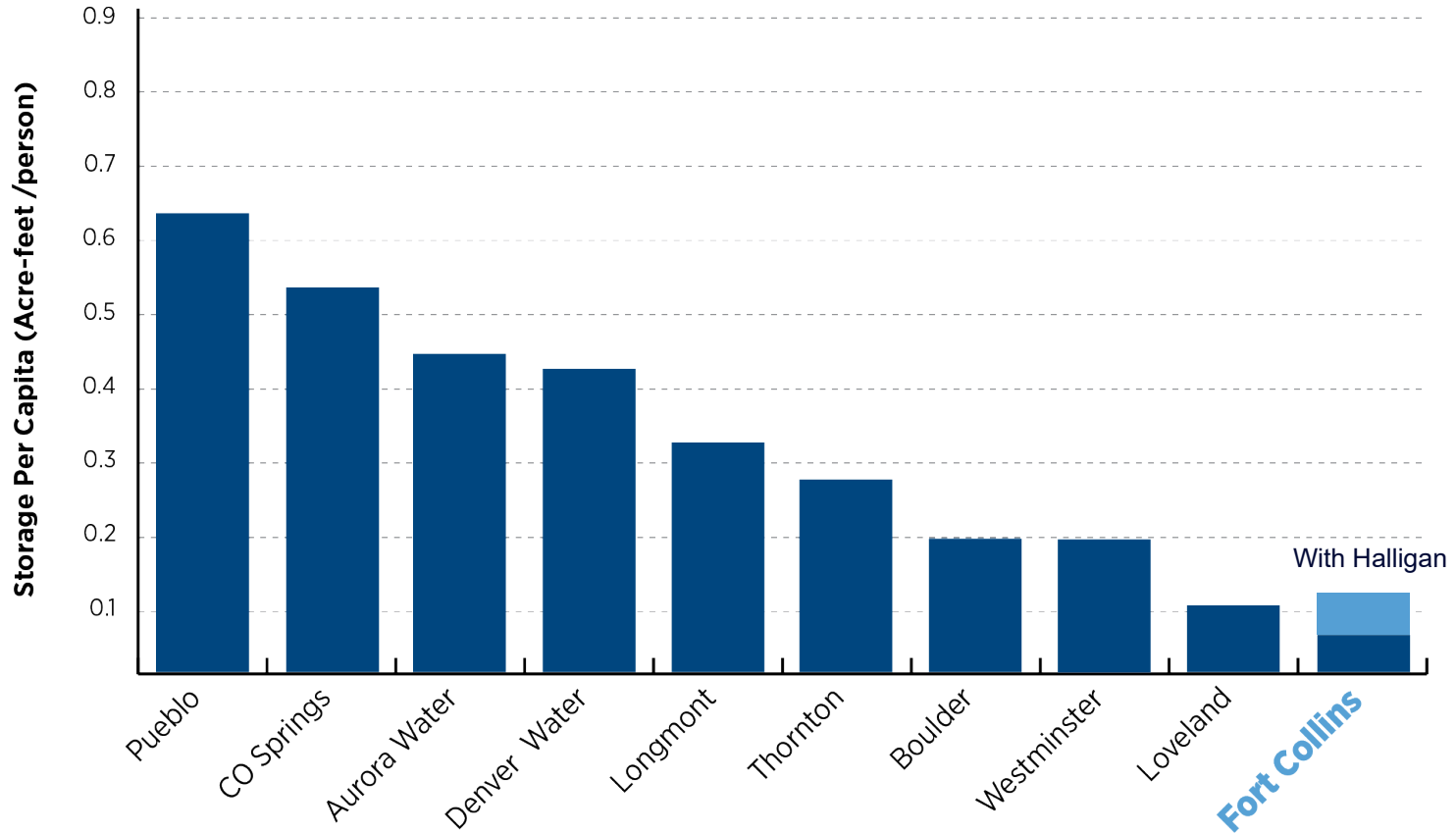


Water Supply & Demand Management Policy

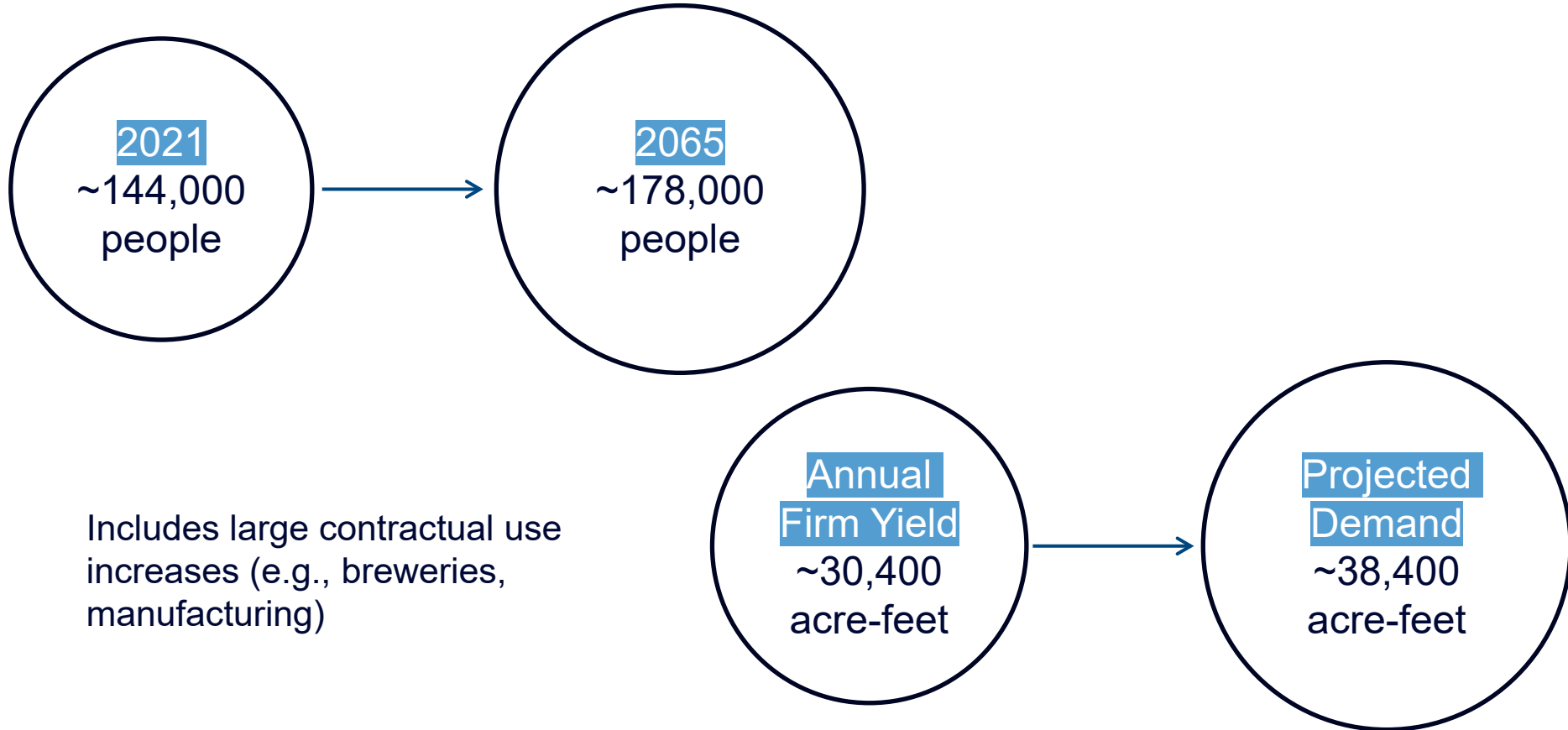
- Doing more with less
 - ~30% reduction in 20+ years
- Reduces capital expansion projects and certain operational costs
- Prepare for potential impacts of climate change



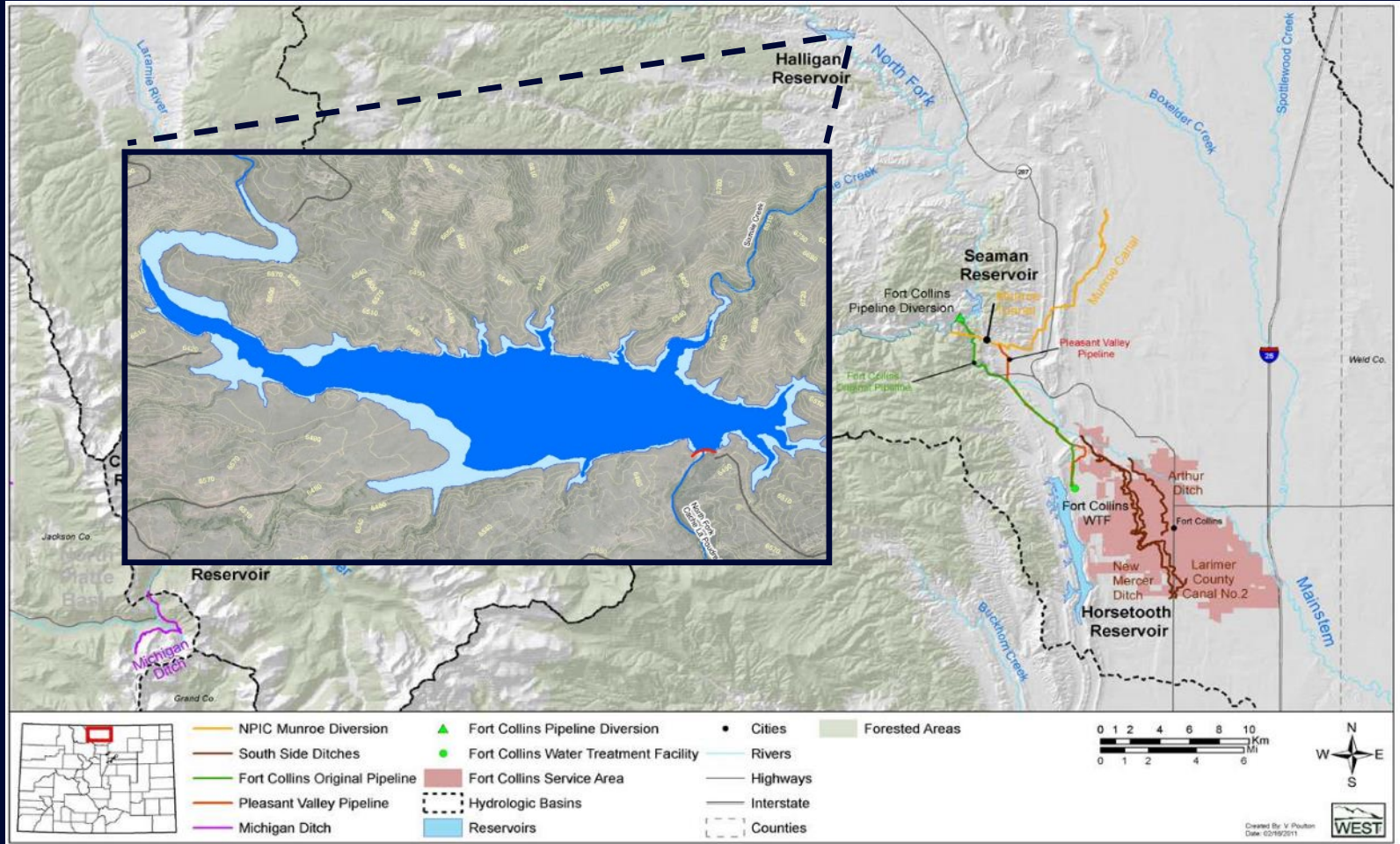




To provide additional system firm yield for Fort Collins in order to satisfy an additional need of approximately 7,900 acre-feet per year to meet its projected 2065 municipal and industrial demands with water of a quality comparable to the water now delivered to its customers.

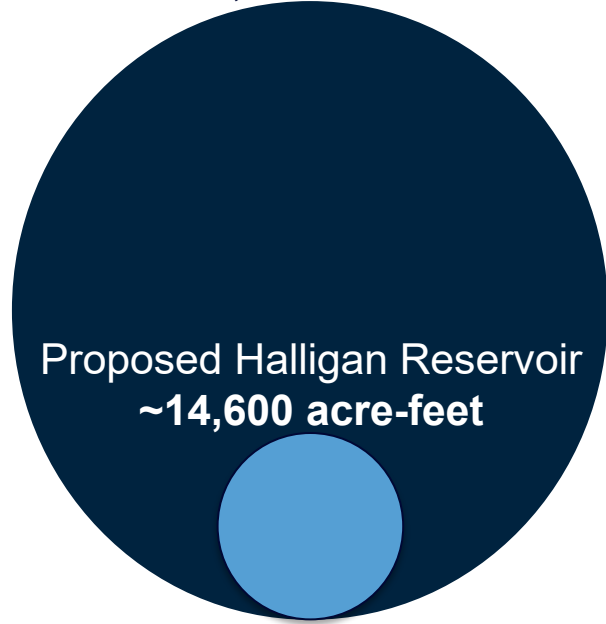


Halligan Reservoir Enlargement

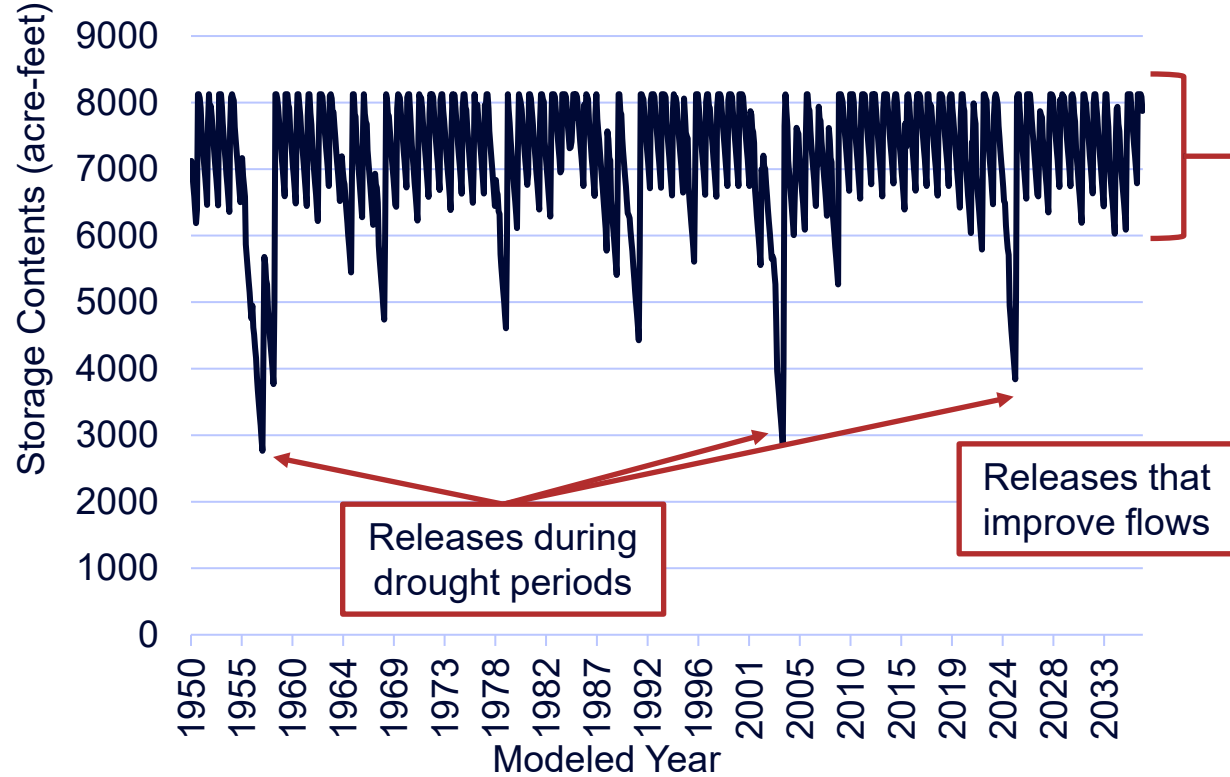


Horsetooth Reservoir
~157,000 acre-feet

Proposed Halligan Reservoir
~14,600 acre-feet



Halligan Reservoir Enlargement Storage Levels (Utilities Portion)



Why Halligan?



Provides a safe, reliable water supply.



Replaces an aging dam.



Year-round flows on the North Fork leading to fishery and habitat improvements.



Uses existing reservoir instead of building a new one.



Gravity-fed –no energy or greenhouse gas emissions.



Most cost-effective option to meet needs.



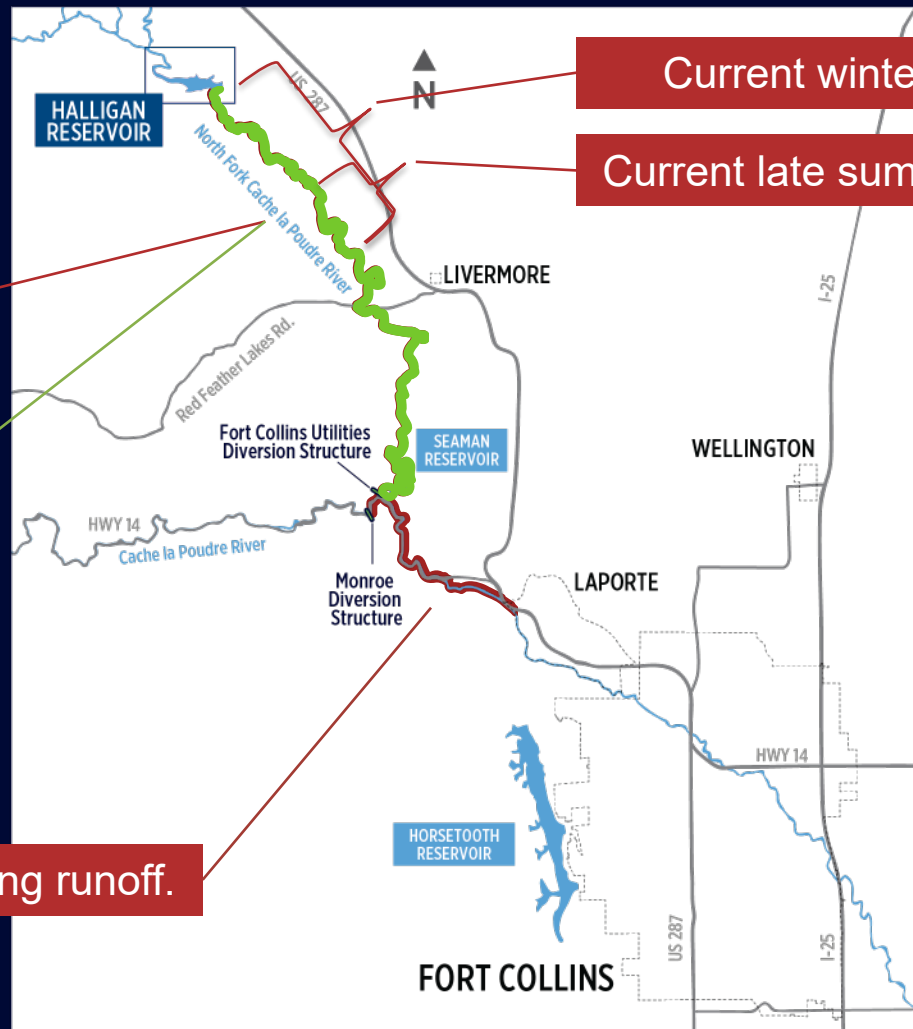
- Inundation of wetlands
- Upstream inundation of $\frac{3}{4}$ -mile stream channel
- Wildlife habitat
- Construction
- Changes in river flows

River Impacts

Slight decrease in flows during spring runoff.

Most months, operations would increase flows.

Slight decrease in flows during spring runoff.



Current winter dry-up

Current late summer dry-up

- Ensures year-round flows on North Fork
 - Winter & summer release plans (3-5 cfs)
- Enables fish passage
- Improves water temperatures



Mitigation
Guiding

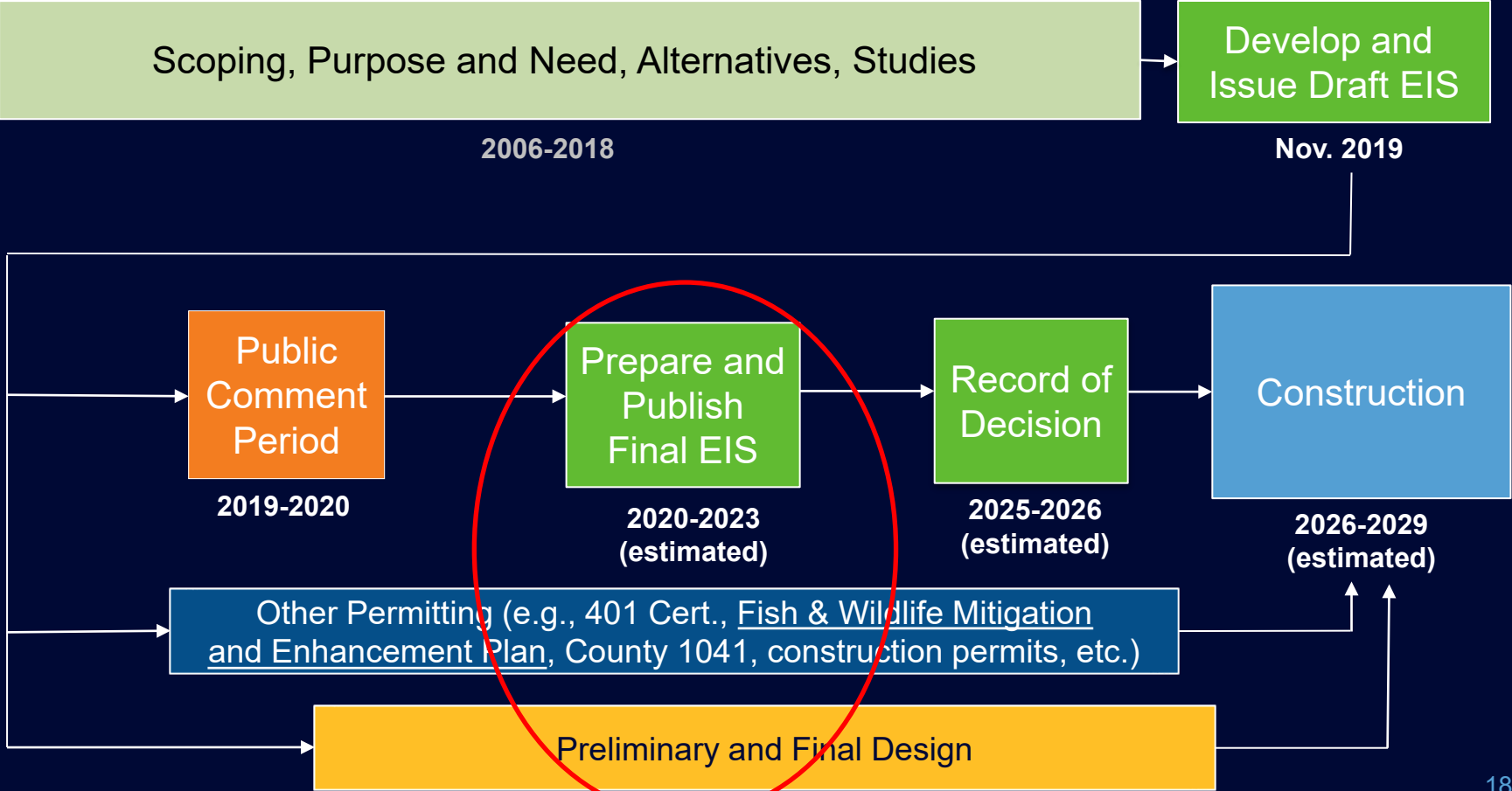


Principles

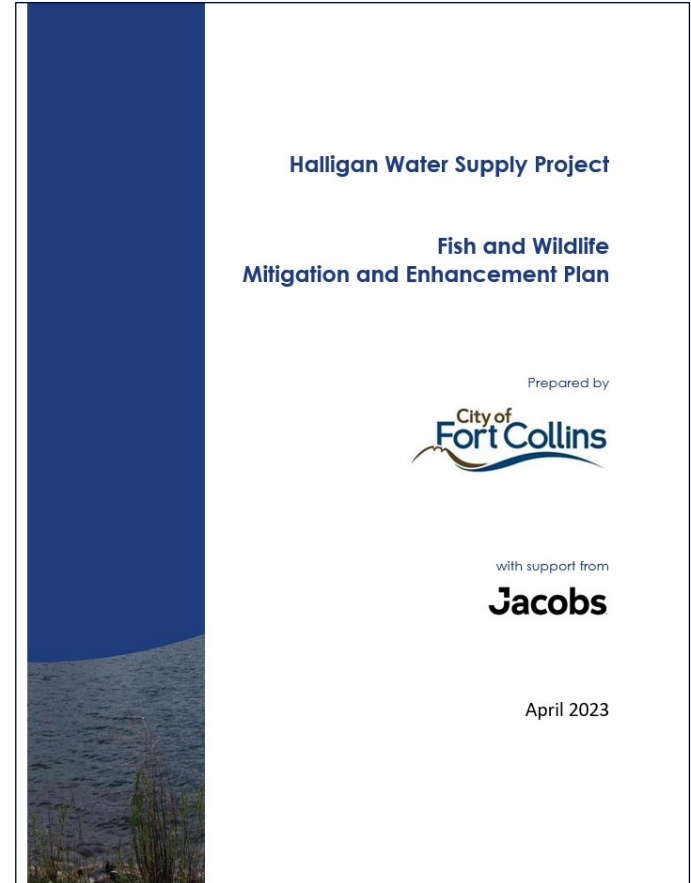




Permitting Schedule



- FWMEP submitted in mid-April
- Public outreach on FWMEP in late-April
- 1st PWC Meeting in early May
- 2nd PWC Meeting in late June





QUESTIONS?

fcgov.com/halligan

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City of
Fort Collins
Utilities