

Northern Integrated Supply Project

Larimer County 1041 Presentation



Presentation Agenda

- Approval Criteria and Permit Enforceability – Peggy Montañó
- Conditions of Approval – Stephanie Cecil and Brad Wind
- Closing Comments – Brad Wind

Larimer County 1041 Permit Criteria

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Site Selection and Glade Reservoir

- Glade Reservoir is a “future park strategy” in the Reservoir Park Master Plan with recreational activities-hiking, fishing and boating
- Siting Glade Reservoir within Larimer County meets many goals and strategies under the Comprehensive Plan / Master Plan
 - ✓ Protects agricultural land and water
 - ✓ Protects and enhances the environment
 - ✓ Protects healthy and natural ecosystems



Glade Aligns with Comprehensive Plan

- ✓ Increases open space
- ✓ Protects the Poudre through stream flow commitments 365 days a year; river blocking structures to be rebuilt
- ✓ Water quality certification approved through health department
- ✓ 1,380 acres of wildlife habitat and natural ecosystems

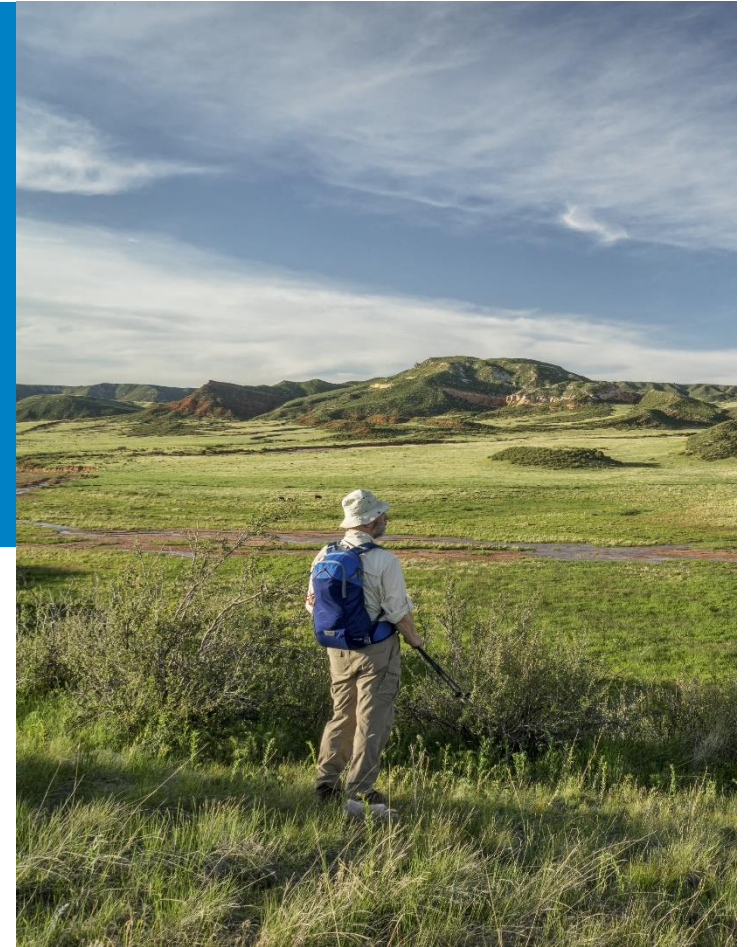


Healthy Landscapes - Active Lifestyles

“Maintaining environmentally healthy landscapes and viability of local agriculture provides financially intangible yet essential health benefits,” and “healthy and active lifestyles are an important component of the County’s livability.”

- Comprehensive Plan

- ✓ Pipeline easements protect landscapes and viability by compensating landowners for temporary losses and permanent effects
- ✓ Glade trails help achieve the 2030 Plan’s metric 3 – increase trail miles



Environmental Stewardship

“Protection of important farmlands and wildlife habitats and corridors.”

“Natural resource health is directly linked to conserved lands.”

- Comprehensive Plan Goals

- ✓ All pipelines will be buried and not fragment landscapes
- ✓ Glade will add flows at critical times to the Poudre River
- ✓ Glade will also help achieve metric 4 under the plan – “increasing the acres of conserved land through available tools”
- ✓ NISP provides both economic benefits including jobs and quality of life for Larimer County residents





The Fish and Wildlife Mitigation & Enhancement Plan, Endangered Species Act plan for Prebles Meadow Jumping Mouse, Clean Water Act 404 mitigation plan and historic preservation plan will protect important wildlife habitat corridors, native vegetation, and maintain healthy and natural ecosystems.



Agricultural Land Conservation

“Larimer County promotes conservation of healthy, sustainable agricultural land and water resources by undertaking collaborative strategies to minimize the loss of productive land and water and continuing to pursue water sharing between agriculture, industrial and domestic utilities.”

- Comprehensive Plan

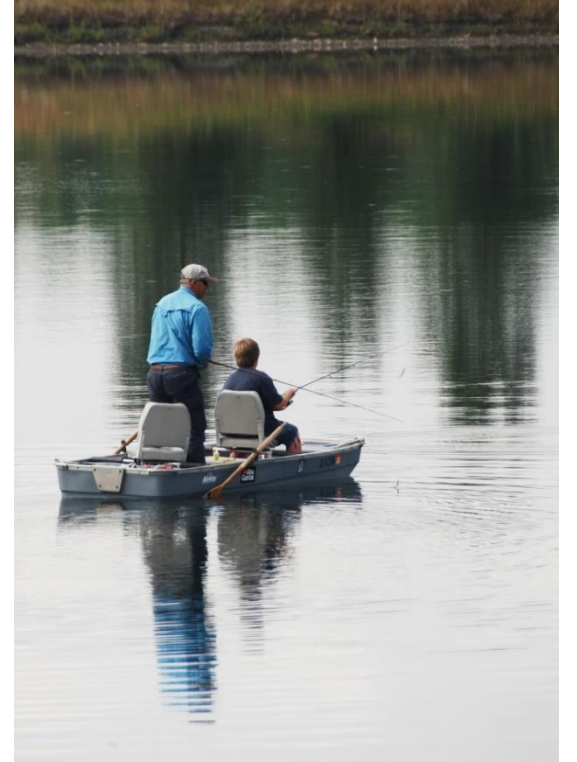
- ✓ NISP will preserve agricultural lands and farming/ranching by providing water to agriculture
- ✓ NISP rural lands protection is consistent with the principle that rural areas are meant to accomplish purposes that suit the natural environment, protecting watersheds and ecosystems



Economic Sustainability

Comprehensive Plan identifies the importance of economic sustainability and a resilient and diverse regional economy

- ✓ As the largest component of the project, Glade Reservoir will significantly contribute to the economy of Larimer County, support tourism, recreation and employment
- ✓ The flows in the Poudre River through Fort Collins will provide economic benefits for outdoor recreation
- ✓ The pipelines provide resiliency and redundancy for critical infrastructure, consistent with the principles and policies for development of utilities



Inclusive Opportunities

Larimer County identifies a goal “for residents to enjoy a high quality of life into the next 20 years.”

- ✓ Glade Reservoir will provide both recreation and conservation, which “bring significant, synergistic economic, health, and quality of life benefits.”
- ✓ Glade Reservoir will provide hiking, boating, biking, fishing, camping, picnicking at the reservoir and visitor center.
- ✓ Parking for those traveling up the Poudre Canyon to recreate



Land Use Code Requirements & Compatibility with Adjacent Lands

- ✓ Land Use Code requirements will be met during construction; measures to reduce visual, light and noise impacts
- ✓ Compatibility with adjacent land use will be considered in design of facilities



Pipeline Siting and Development

- ✓ After construction lands will be restored and revegetated
- ✓ Pipelines will not change existing land uses
- ✓ Easements will be purchased from landowners
- ✓ Landowners will be paid for crop loss and damage



Alternatives

- ✓ More than 200 water supply alternatives were reviewed considered
- ✓ Five alternatives were screened and evaluated, eventually leading to the one analyzed by the Corps in the Federal EIS
- ✓ Alternative pipeline routes as described in the Tech memos were considered
- ✓ Conservation is not an alternative to NISP - conservation alone cannot meet anticipated year-round water needs
- ✓ Water efficiency measures have been factored into NISP needs and reduces the water needs





- ✓ Wetlands impacts will be assessed and mitigated with Federal and Larimer County wetlands standards being met.
- ✓ State construction standards for the dam and water supply facilities will be met; Larimer County standards met for recreation facilities constructed
- ✓ Mitigation of wildlife impacts are provided by 1,380 acres of habitat preservation and endangered mouse habitat



NISP will spend more than \$53 million for mitigation and enhancement projects, mostly in Larimer County. Those include:

- ✓ Conveyance in the Poudre River channel flows 365 days annually
- ✓ On-site effects mitigated by flat water recreation and land-based recreation
- ✓ Poudre River diversion structure rebuilds to eliminate dry up at those locations and allow fish passage

The federal government evaluates impacts to cultural resources. A cultural resources agreement will ensure protection of sites and structures listed on the State or National Registers of Historic Places.

- ✓ Historic Larimer County is involved in the Section 106 cultural resources compliance process under the National Historic Preservation Act



- ✓ Construction areas for the pipeline and reservoir will not be accessible by the public
- ✓ Contractors will follow federal, state and local health and safety standards-noise and air quality standards
- ✓ Construction managers and inspectors will be onsite during construction to monitor safety and ensure contractors stay within work areas



Glade Reservoir

- ✓ Dam design meets Colorado Division of Water Resources criteria, including seismic standards
- ✓ To select safe areas for proposed locations of recreation facilities, slopes and rockfall hazard areas are considered

Pipeline

- ✓ There are no geologic hazard areas in the pipeline route
- ✓ Buried pipelines are not impacted by wildfire risks
- ✓ Pipelines will be constructed to meet local, state and federal floodplain regulations



Adequate Public Facilities & Services

- ✓ Glade Reservoir will have facilities necessary for on site water and sewer, adequate fire protection service
- ✓ A partnership with Larimer County will ensure these public facilities are secured
- ✓ Pipeline and Glade Reservoir have both temporary and permanent storm water facilities
- ✓ Water facilities include a private restroom at the Glade pump station for employees and potable water for visitors' center
- ✓ Roads at Glade Reservoir will be properly sized for number and type of traffic



County Roads

- ✓ NISP and Larimer County will inspect county roads affected during construction
- ✓ Post-construction replacement will be completed to return damaged roads to pre-construction conditions
- ✓ Construction and access areas to be regraded and revegetated to minimize environmental impacts



U.S. Highway 287

While U.S. Highway 287 is not part of the 1041 Permit, an access road will be provided for properties adjacent to the new U.S. Highway 287 location.



- ✓ The access will be constructed during CDOT's highway relocation project and will become a permanent frontage road
- ✓ NISP will coordinate with Larimer County, CDOT and the Division of Water Resources to allow landowners to maintain subdivision exemptions and be eligible for 35-acre parcel well benefits

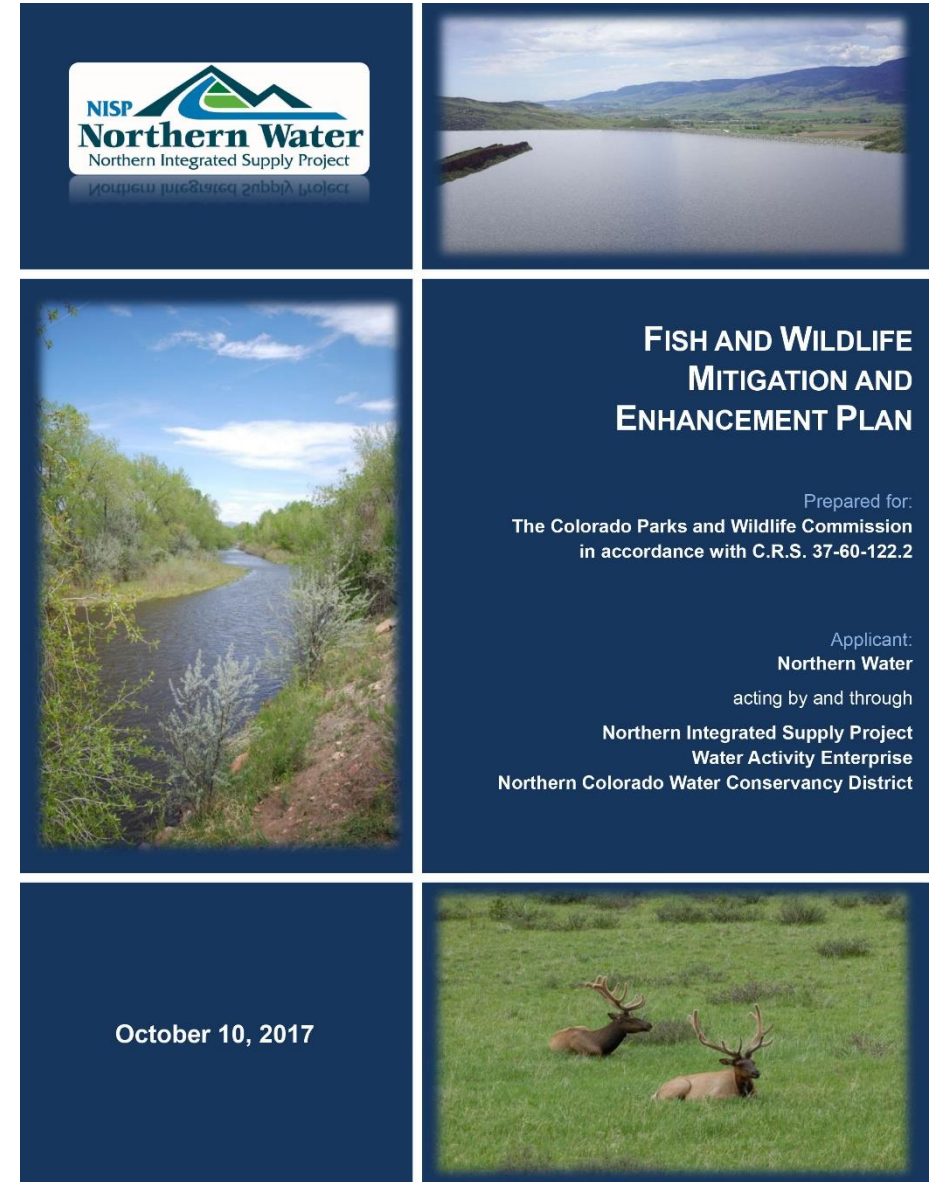
- ✓ Recreation at Glade will bring economic opportunities to businesses in County – estimated at \$13 to \$30 million annually
- ✓ Poudre River flow program will reduce dry up points in the Poudre and allow fish passage.



- ✓ NISP provides water to farms and municipalities as well.
- ✓ This benefits NISP and agriculture through innovative water use



- ✓ The Fish and Wildlife Mitigation and Enhancement Plan commits more than \$53 million to the 54 items identified in the plan
- ✓ 43 of those commitments will occur totally or partially in Larimer County
- ✓ The recreation facility at Glade is \$21.8 million cost



Recommendations

- The Larimer County staff received referral comments from numerous internal and approximately 30 external entities. Many of the conditions included in the staff report addresses the comments and NISP has accepted these conditions.
- Four cities, Timnath, Windsor, Johnstown and Fort Collins, submitted comments. Fort Collins has continuing concerns particularly but not exclusively about natural areas impacts. NISP will continue discussions with Fort Collins and in the future submit an application for its permitting process.
- The Glade Reservoir area is covered by three fire districts. NISP will work with the three districts to ensure coordination to provide fire department coverage to the water and the recreation facilities.



Summary

- ✓ Public engagement for NISP has been extensive
- ✓ Landowners affected by construction will be compensated and vegetation will be restored
- ✓ Impacts to fish and wildlife and other natural resources are offset through mitigation and enhancement
- ✓ Glade is identified as a recreation asset in Larimer County's Reservoir Parks Master Plan
- ✓ Glade will provide economic benefits to the economy

Questions?



Conditions of Approval

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Pipeline Condition 2.b – Requested Change

- The approval of pipeline alignments anticipates that there may be minor deviations from approved alignments to accommodate field issues. The approval of pipeline alignments does not need to be reconsidered if the minor deviation is 100 feet or less on either side of the approved alignment.
- If the deviation is more than 100 feet from the approved alignment, it shall be evaluated by the County Staff prior to commencing activity. Deviations from the approved alignment with the landowner's consent do not require approval by County Staff.
- Reconsideration by the Board of County Commissioners shall be required if Larimer County Staff considers an alignment deviation of over 100 feet without the landowner's consent to have significant additional impacts to the landowner or directly adjoining landowners. Reconsideration by the Board of County Commissioners shall only reopen the portion of the pipeline alignment for that particular land parcel and will not reopen the entire 1041 permit. A deviation within this condition is not considered a 1041 Permit Amendment.

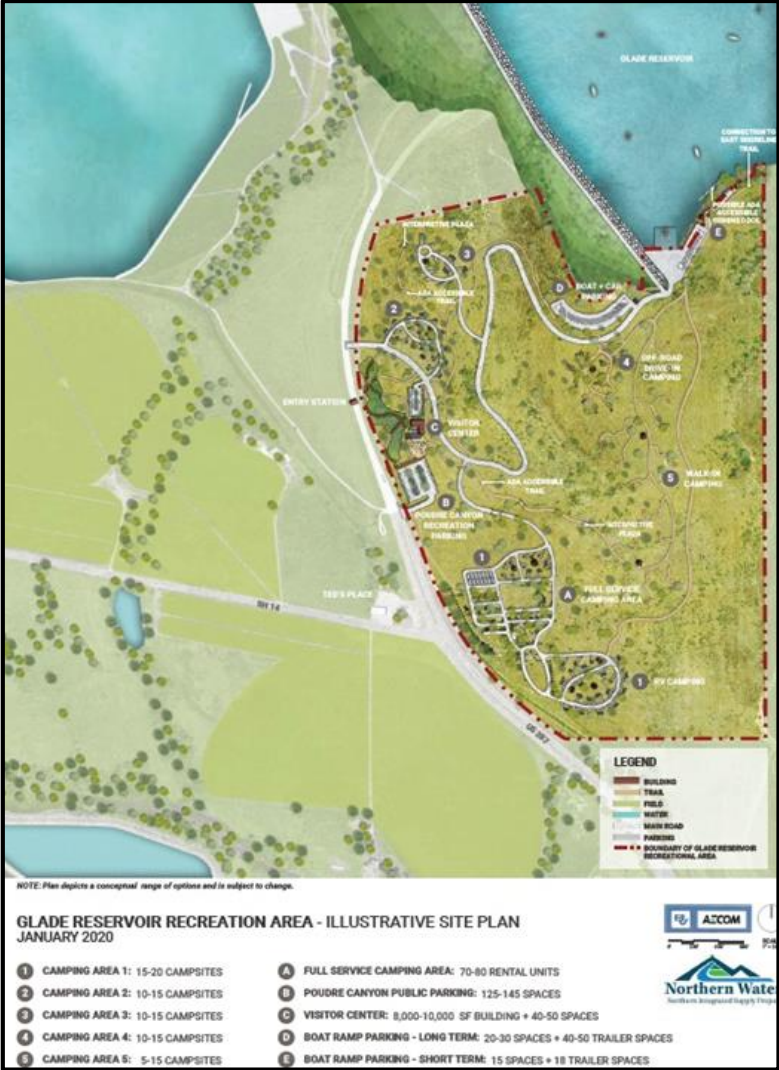
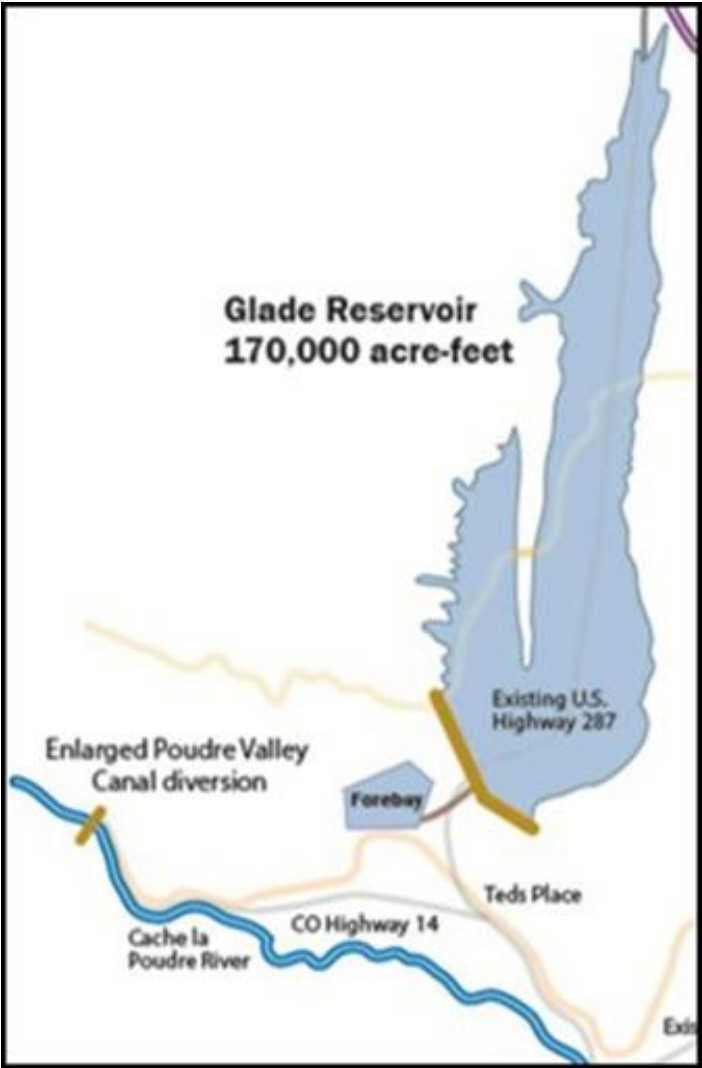
Project Wide Condition 2.d – Requested Change

- Prior to crossing any irrigation company ditch, utility or other infrastructure impacted by the reservoir or by pipeline crossings, Applicant shall obtain all necessary permits, permissions, or licenses from the owner of the affected structure.

Additional Condition – Eagle Lake Impacts

- The Applicant shall minimize the use of Eagle Lake Homeowner's Association (HOA) owned roads for construction of the pipeline by accessing the pipeline alignment from State Highway No.1 and Travis Road.
- The Applicant may also access the pipeline construction alignment by any private access acquired.
- The use of Eagle Lake Drive during construction shall be limited to the eastern most 500 feet for access to Hood Lane from State Highway No.1. In addition, Eagle Lake Drive will also be crossed by the pipeline installation.

Glade Reservoir – Westside Recreation



Questions?



Closing Comments

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