Northern Integrated Supply Project

Poudre Runs Through It

February 8, 2013
NISP – A Participant Driven Project

NISP
Participant Boundaries

Participant & permitted yield

1. Fort Collins Loveland Water District (3,000 AF)
2. Windsor (3,300 AF)
3. Left Hand Water District (4,900 AF)
4. Erie (6,500 AF)
5. Evans (1,600 AF)
6. Central Weld County Water District (3,500 AF)
7. Fort Lupton (3,000 AF)
8. Fort Morgan (3,600 AF)
9. Morgan County Quality Water (1,300 AF)
10. Eaton (1,300 AF)
11. Severance (1,300 AF)
12. Lafayette (1,800 AF)
13. Firestone (1,300 AF)
14. Frederick (2,600 AF)
15. Dacono (1,000 AF)
C-BT Ownership Trends

- Agricultural ownership
- Municipal & Industrial ownership

Year:
- 1940
- 1960
- 1980
- 2000
- 2020
- 2040
- 2060

C-BT Units:
- 0
- 50,000
- 100,000
- 150,000
- 200,000
- 250,000
- 300,000
The NISP Proposal:
NISP Project Proposal

- 40,000 Acre-ft of New Yield
- Glade Reservoir Complex
- South Platte Water Conservation Project
- Total Cost $490 Million
- Junior Water Rights
Proposed Glade Reservoir Location
Glade Reservoir

- Total storage = 170,000 af
- 260 feet deep
- 5 miles long
- 18 million CY of earthfill
- 1000 cfs diversion from Poudre River using existing Poudre Valley Canal
- 30,000 hp Pump Station
- Relocate Munroe Canal (6,000 ft Tunnel)
- Relocate HW 287
S. Platte Water Conservation Project

- 50% of the 40,000 Acre-ft Yield
- Repositions South Platte Water
- Partnership with Ag Instead of Buy and Dry
- Substantially Reduces Storage to Yield from 10:1 down to 5:1
- Maximum 200 cfs Exchange (100 with each ditch)
SPWCP Details

- 45,600 AF Galeton Reservoir
- 200 cfs Diversion from the S. Platte
- 100 cfs return to each ditch
- 30 miles of pipeline
- 16,000 Hp Pumping
- Deliveries to New Cache & Larimer & Weld Systems Average 25,000 af/year (1/5 of present diversions)
How It Works

- Grey Mountain Decree Diversions – Wet Years Such as 2009-2011.
- SPWCP Exchanges – Wet and Average Years
- Dry Years – Little Water Available for Exchange
- Respect Minimum Flow Points at Watson Fish Hatchery, Boat Chute, and Nature Center (50 cfs Summer, 25 cfs Winter)
NEPA

- Started: February 2004
- Draft EIS: April 2008
- Supplemental DEIS Complete: Late-2013
- Final Permit: 2014
- Spent Approximately $12 Million to Date
Environmental Issues

- Nearly All are Poudre River Related
- Flow Reduction
- Geomorphology Changes
- Water Quality
- Riparian (trees)
Common Technical Platform

- NISP – Halligan-Seaman
- Four Year Effort
- Common Hydrology
- Geomorphology
- Aquatics
- Water Quality
- Riparian
Mitigation

- Low Flow Enhancement – November through March
- Target of 25 cfs at Lincoln Gage
- 3,000 AF Total
- Recapture downstream
- Channel Enhancement
No-Action Alternative

- 60,000 acres of Buy and Dry
- Primarily Under Larimer and Weld and New Cache
- 90,000 acre-ft Storage and Delivery Pipes
- Approximately $1 Billion Cost
- Considerable Environmental Impact
Schedule

- SDEIS Out Late 2013 – Early 2014
- ROD 2014-2015
- Glade Design 2015-2017
- Glade Construction 2017-2021
- SPWCP Implementation 2021-2025