



TO: PRRIP WATER ADVISORY COMMITTEE
FROM: PRRIP EXECUTIVE DIRECTOR'S OFFICE
SUBJECT: OCTOBER 2023 LEASING & RECHARGE PROJECTS UPDATE
DATE: OCTOBER 18, 2023

This document provides a summary of recent activities related to Program water leasing and recharge projects. Unless otherwise specified, reports are based on invoices, data files, or other information provided by the districts.

TBNRD Augmentation Project

Includes 7 recapture wells near Cottonwood Ranch plus the Cook recapture well

- Reported pumping is cumulative, January 1- October 18, 2023.
 - Well #1 = 349.4 AF
 - Well #2 = 364.6 AF
 - Well #3 = 356.0 AF
 - Well #4 = 258.8 AF
 - Well #5 = 291.2 AF
 - Well #6 = 435.3 AF
 - Well #7 = 202.9 AF
 - Cook well = 376.8 AF
 - TOTAL = 2,635.0 AF

Wells #1-#6 pumping continuously since July 27; did not shut off during brief September 26-28 excess flow event. Cook well pumping continuously since July 27, except for September 22-25 when the North Phelps County Drain into which it discharges was flooded due to a heavy precipitation event. Well #7 only pumped from July 27-August 3 and from September 11-15 due to ongoing issues with beavers and phragmites in the drain channel below the well discharge.

CNPPID Groundwater Recharge and Surface Water Lease Projects

Phelps County Canal, Elwood Reservoir, and Cottonwood Ranch

- Groundwater Recharge – Excess Flow Diversions
 - Phelps total diversions = 1,077 AF (estimated, September 26-28)
 - Deliveries to Cottonwood Ranch = 552.8 AF (September 27 – October 5)
 - Phelps recharge credit = 524.2 AF (estimated)
- Surface Water Leases
 - 990 AF from CNPPID irrigator lease credited to Lake McConaughy EA in October based on 9" (0.75 AF) per acre from 1,320 enrolled acres.
 - 314 AF from No-Cost Net Controllable Conserved Water (NCCW) credited to Lake McConaughy EA in October.

**CPNRD Groundwater Recharge and Surface Water Lease Projects**

Thirty Mile, Cozad, and Orchard-Alfalfa canals

- Groundwater Recharge
 - No recent excess flow diversions for recharge.
- Surface Water Lease
 - One-year agreement approved by GC in September.
 - 10,666 AF credited to Lake McConaughy EA in October. Volume reduced because of 18 non-exchange days between June 25 and September 2 with South Platte River at North Platte flows > 2,500 cfs.

NPPD Groundwater Recharge and Surface Water Lease Projects

Gothenburg and Dawson County canals

- Groundwater Recharge
 - No recent excess flow diversions for recharge.
- Surface Water Lease
 - One-year agreement approved by GC in September.
 - 2,456 AF credited to Lake McConaughy EA in October. Volume reduced because of 18 non-exchange days between June 25 and September 2 with South Platte River at North Platte flows > 2,500 cfs.

Pathfinder Reservoir

- Municipal Account (capacity = 20,000 AF or 1.87% of Pathfinder ownership)
 - 9,600 AF transferred from Pathfinder to Glendo (June 21)
 - 8,836 AF released from Guernsey (June 22-30)
 - 7,170 AF credited to Lake McConaughy EA (June 27-July 5)
- Environmental Account (capacity = 33,493 AF or 3.13% of Pathfinder ownership)
 - 32,385 AF transferred from Pathfinder to Glendo (September 7)
 - 30,033 AF released from Guernsey (September 10-25)
 - 26,491 AF credited to Lake McConaughy EA (September 15-30)