

05/07/2025

PLATTE RIVER RECOVERY IMPLEMENTATION PROGRAM Water Advisory Committee Meeting Minutes

Virtual Meeting February 11, 2025

NameAffiliationMember or AlternateDepartment of the Int=rior (DOI)Brock MerrillU.S. Bureau of ReclamationMemberMatt RabbeU.S. Fish and Wildlife Service (USFWS)AlternateState of WyomingUSFWSState of WyomingState of WyomingWyoming State Engineer's Office (WY SEO)MemberGeorge MoserWyoming Water Development Office (WVDO)AlternateMichelle HubbardWY SEOState of ColoradoKara ScheelColorado Water Conservation Board (CWCB)Member 2025 WAC Vice ChairDon BaggusColorado Parks and Wildlife (CPW)Member 2025 WAC Vice ChairDen BaggusColorado Parks and Wildlife (CPW)Member 2015 WAC Vice ChairJennifer SchellpeperNebraska Department of Natural Resources (NeDNR)Member AlternateJustin AhernNeDNRAlternateJustin AhernNeDNRInternateUpper Platte Water UserUserMemberDennis StrauchPathfinder Irrigation DistrictMemberColorado Water UserInternateMemberUpper Platte Water WaterNorthern WaterMemberKyle WhitakerNorthern Water Related Activities ProgramJason MarksJason MarksDenver WaterZo25 WAC ChairBrandi FlyrCentral Platte Natural Resources District (CPNRD)MemberViel South Platte Water Related Activities ProgramZo25 WAC ChairJason MarksDenver WaterSouth Platte Natural Resources District (CPNRD)Nolan LittleTri-Basin Na	PRRIP Water Advisory Committee Meeting Attendees				
Department of the Interior (DOI)Brock MerrillU.S. Bureau of ReclamationMemberMatt RabbeU.S. Fish and Wildlife Service (USFWS)AlternateSteven LabayUSFWSState of WyomingJeff CowleyWyoming State Engineer's Office (WY SEO)MemberGeorge MoserWyoming Water Development Office (WWDO)AlternateMichelle HubbardWY SEOMemberState of ColoradoWY SEOState of ColoradoKara ScheelColorado Water Conservation Board (CWCB)Member 2025 WAC Vice ChairDon BaggusColorado Parks and Wildlife (CPW)MemberState of NebraskaState of NebraskaAlternateJustin AhernNeDNRAlternateJustin AhernNeDNRAlternateJustin AhernNeDNRUTyler MartinNeDNRMemberColorado Water UsersMemberDon AltenhofenNorthern WaterMemberKyle WhitakerNorthern WaterMemberKich BeltSouth Platte Water Related Activities ProgramMemberJason MarksDenver Water2025 WAC ChairBrandi FlyrCentral Nebraska Public Power and Irrigation DistrictMemberCory SteinkeCentral Nebraska Public Power and Irrigation DistrictMemberJason MarksDenver Water2025 WAC ChairBrandi FlyrCentral Nebraska Public Power and Irrigation DistrictMemberCory SteinkeCentral Nebraska Public Power and Irrigation DistrictMember <trr>Grandi Flyr<</trr>	Name	Affiliation	Member or Alternate		
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Tyler Thulin CNPPID	Travis Preston	North Platte Natural Resources District			
	Tyler Thulin	CNPPID			

PRRIP Water Advisory Committee Meeting Attendees				
Downstream Water Users				
Randy Zach	NPPD			
Environmental Entities				
Melissa Mosier	Audubon	Member		
Executive Director's Office (EDO)				
Justin Brei	Engineering/Colorado Coordinator			
Jason Farnsworth	Executive Director			
Nicole Fijman	Geospatial Analyst			
Seth Turner	Water Plan Coordinator			
Ed Weschler	Water Resources Engineer			
Other Participants				
N/A				

6

7 Welcome and Administrative: Cory Steinke, 2024 WAC Chair

- 8 Meeting participants were identified from Teams. Steven Labay was introduced as the new
- 9 USFWS EA Manager. The only agenda modification was that Cottonwood Ranch recharge
- 10 project scoring would be discussed earlier in the meeting to accommodate participants needing to
- 11 leave early. There were no edits to the original draft of the October 2024 meeting minutes.
- 12 Merrill made a motion to approve the minutes, second by Rabbe. October 2024 meeting minutes
- 13 were approved with no objections.
- 14

15 Nomination and Election of WAC Officers for 2025: Cory Steinke, 2024 WAC Chair

Shafer nominated Steinke as 2025 WAC Chair and Scheel as 2025 WAC Vice Chair. Second by
 Altenhofen. Nominated WAC officers approved with no objections.

18

19 **Brief Water Updates:** Ed Weschler and Seth Turner, EDO

20

21 Platte Basin Hydrology:

22 Weschler reviewed 2024 flows at the Grand Island gage. The preliminary annual hydrologic

23 condition for 2024 is normal based on an average flow of 1,077 cfs but this is subject to change

24 because data after October 23 is still provisional and most of December was affected by ice

25 conditions. The real-time hydrologic condition designation for the December-February period is

26

normal.

- 27
- 28 Drought conditions generally improved across the South Platte Basin in Colorado between late
- 29 October and early February but persist across most of the Wyoming and Nebraska portions of the
- 30 Platte River Basin. Southeastern Wyoming and the northwestern Nebraska panhandle have
- 31 broad areas of extreme drought.
- 32
- 33 Snowpack in the South Platte Basin is tracking close to median but in the North Platte Basin
- 34 snowpack has been persistently below median for nearly the entire season so far.
- 35



36 Leasing, Recharge, and Recapture Projects:

- 37 Turner reported that excess flows were available between November 19 and December 9;
- 38 diversions were made into Phelps County Canal and Elwood Reservoir, and deliveries were
- 39 made to Cottonwood Ranch. Program recharge in Phelps totaled 658 AF (75% of total, with the
- 40 other 25% going to Nebraska) during this period and 1,402 AF in total for calendar year 2024.
- 41 At Elwood Reservoir, 3,485 AF (50% of total) was pumped in for the Program during
- 42 November-December, with 5,423 AF in total for the year. In December, 346 AF (100% of total)
- 43 was delivered to Cottonwood Ranch bringing the annual total to 1,144 AF for 2024. With the
- 44 excess flow diversions made in 2024, the Program's remaining credit balances with CNPPID are
- about \$8.62 million for Phelps and Elwood recharge and about \$860,000 for Cottonwood Ranch
 recharge.
- 47
- 48 Recapture pumping totaled about 2,400 AF in 2024. Despite periods of shortage, the wells have
- 49 remained off since early July out of concern of creating river depletions as a result of pumping
- 50 depletions exceeding accretions from the Program's recharge projects. Preliminary accounting
- 51 suggests that net accretions may have been less than 1 cfs in July and August but that is subject
- 52 to change once full recharge data for 2024 is available from CNPPID.
- 53
- 54 In December the GC approved an amendment to extend the CNPPID irrigator lease for another
- 55 year. Based on the evaluation of lease alternatives presented by George Oamek in September,
- 56 the GC elected to increase the payment from \$100/acre to \$160/acre for 2025. CNPPID
- 57 established an enrollment period from January 1 through February 15. As of February 10, there
- 58 were 1,024 acres enrolled (compared to 1,053 acres enrolled in 2024), which would result in a
- 59 contribution of 768 AF to the Lake McConaughy EA in October 2025. It was hoped that there
- 60 would be a late surge in enrollments.
- 61

62 Negotiations for longer-term surface water leases with CPNRD and NPPD at least through the 63 end of the Extension in 2032 remain ongoing.

64

65 Cottonwood Ranch Recharge Project: Seth Turner, EDO

- Also in December the GC approved an amendment to the original 2018 Water Service
- 67 Agreement for Cottonwood Ranch, the effect of which is to have CNPPID manage all operations
- at Cottonwood Ranch and perform some maintenance activities. Since CNPPID already was
- 69 operating the delivery pipeline and outlets, the primary functional change is that they will also
- 70 monitor and operate/adjust the Rubicon gates instead of the EDO. CNPPID will be installing
- 71 new hardware to integrate the Rubicon gate controls with their SCADA system. That effort is
- 72 expected to take 4-6 months.
- 73
- 74 Similar to the Program's agreement with TBNRD for operation and maintenance of the recapture
- 75 wells, the Program will reimburse CNPPID for expenses associated with operations and
- 76 maintenance at Cottonwood Ranch. All costs for water deliveries and services will be deducted
- from the \$860,000 remaining credit balance discussed previously, so the Program will not be
- 78 making actual payments for the time being. The EDO will develop an Operations Plan for



- CNPPID to use, including necessary water level and pool storage data for the Rubicon gates andrecharge cells.
- 81
- 82 There are a number of other ongoing maintenance activities at Cottonwood Ranch. The
- 83 replacement valve actuator for the north vault finally arrived at the vendor Mellen & Associates
- 84 in mid-January and is expected to be installed in the coming weeks. The EDO is working with
- 85 Rubicon to schedule replacement of the gearbox at Gate 6. The EDO will also be developing
- 86 plans for the installation of two new monitoring wells along the eastern boundary of Cell 8.
- 87
- 88 Testing of the outlet valve cavitation is tentatively scheduled for late May. The EDO will be
- 89 working with Miller & Associates and CNPPID on the testing. USFWS granted permission to
- 90 use a small amount of EA water (75 cfs for a day or less, or about 150 AF) at the front end of the
- 91 germination suppression release if there are no timely excesses. With the valve actuator repaired
- 92 and digital pressure gages installed, it is hoped that we can run the necessary tests, devise a
- 93 solution to the cavitation, and get that implemented. Ideally most of this maintenance work will
- 94 be completed by mid-year so the Program and CNPPID can focus on the operations transition.
- 95
- 96 The discussion of Cottonwood Ranch scoring is summarized later in these minutes.
- 97

98 <u>Elwood Outlet Feasibility Study:</u> Seth Turner, EDO

- 99 LRE Water presented the results of the Expanded Recapture Reconnaissance Study to the GC in
- 100 September 2024. The GC recommended proceeding with further evaluation of the Elwood
- 101 Reservoir gravity outlet concept but not the construction of additional recapture wells. The EDO
- 102 worked with LRE Water and their subconsultants RJH and Inter-Fluve through the fall to
- 103 develop a scope of work and budget for what is now the Elwood Outlet Feasibility Study. An
- 104 overall budget of about \$500,000 was approved by the GC in December.
- 105
- 106 CNPPID met with the landowner whose property the majority of the outlet alignment would
- 107 cross. She was not in favor of an open channel that would essentially bisect the pastureland but108 was amenable to a buried pipeline.
- 109
- 110 Tasks for the Elwood Outlet Feasibility Study will be phased, and the first priority is a 30%
- 111 design of the outlet. In January the Finance Committee approved a contract amendment for
- about \$141,000, with the funds split about 90%/10% between RJH and LRE Water. The scope
- 113 of work includes a desktop geotechnical evaluation, reevaluation of pipeline alignment
- alternatives only (no open channel), and concept-level design drawings and cost opinion. This
- 115 latter part will include hydraulic calculations; pipeline locations, dimensions, and materials; and
- 116 intake, energy dissipation, and other appurtenant structures. Altenhofen asked what flow rate is
- being considered for the outlet. Turner said 100 cfs; the reconnaissance study did not show that
- much of an incremental gain in score from a 50 cfs outlet to a 100 cfs outlet, but the 100 cfs
- 119 outlet would provide greater operational flexibility.
- 120



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- 121 It is anticipated that selection of a preferred alternative will be made around the time of the May
- WAC meeting, with final presentations on the 30% outlet designs to the WAC in August and the
- 123 GC in September.
- 124
- 125 There were a couple additional related items brought up by TBNRD. Little explained that
- 126 landowners to the west of Cottonwood Ranch, the Wilkes, have expressed a willingness to
- 127 convert one of their irrigation wells to a recapture well in order to help alleviate high
- groundwater on their property. There is a drain nearby and it would be relatively simple to
- 129 construct a discharge outlet. It is also believed that the high groundwater in that area is in part
- 130 the result of a culvert installed too high in the Peterson Drain at Cottonwood Ranch. Turner said
- 131 that further investigation of the culvert issue will be added to the Cottonwood Ranch 132 maintenance list.
- 132 133
- 134 Turner said the other item is a landowner at the mouth of Plum Creek where it meets the south
- 135 channel of the Platte having some erosion issues. This will need to be considered by Inter-Fluve
- 136 if the Elwood Outlet Feasibility Study proceeds to further analysis of Plum Creek. Thorburn
- 137 added that this landowner had erosion damage during a 2019 flood and earlier events. They are
- aware that they need to address the issue but would appreciate cooperation from the Program if
- 139 the Elwood outlet proceeds.
- 140

141 Monitoring Wells Review: Seth Turner, EDO

- 142 Turner introduced this topic by noting that the memo included in the meeting documents is the 143 same as that provided to the TAC the week before. The Program has an extensive network of 144 monitoring wells at properties spread across the Associated Habitat Reach. It requires staff time
- and resources to collect data and maintain the wells and associated equipment. Much of the data
- being collected has not been used for analytical purposes in many years. The questions for the
- 147 WAC (and the TAC previously) are whether the Program should continue to maintain these
- 148 wells, collect the data, and replace failed equipment. A typical instrumented monitoring well
- 149 uses an InSitu Level TROLL 500 data logger, which costs about \$1,400 to replace. The TAC
- 150 provided recommendations for the monitoring wells at 6 Program sites (e.g., wet meadows); the
- 151 WAC is asked for guidance at 4 other Program sites primarily related to water projects.
- 152
- 153 Phelps/Cook
- 154
- 155 Monitoring wells Cook 1 and Cook 2 were installed on either side of the Cook recapture well to 156 observe drawdown from pumping. These wells have concrete pads, steel riser pipes, and locking
- 157 lids. Collected data has not been utilized in recent years. Monitoring wells MW-1 through MW-
- 6 were installed in 2011 during the groundwater recharge feasibility study. MW-1 and MW-2
- have telemetry units and defined water level thresholds, and they are actively used to monitor
- 160 groundwater levels during Phelps recharge events. The Program has no current use for MW-3
- 161 through MW-6. Little confirmed that TBNRD has expressed interest in MW-3 and MW-5, both
- 162 located along 748 Rd, and that TBNRD could install their own data loggers. MW-5 is near the
- 163 Wilke property discussed earlier as having issues with high groundwater.



164

165 Recommendations: Remove instruments and lock Cook 1, Cook 2, MW-4, and MW-6. Transfer 166 use of MW-3 and MW-5 to TBNRD.

167

168 *Cottonwood Ranch/Morse*

169

Eight monitoring wells (in two transects of four each) in the northwest quarter (what is now Cell
3) were installed by NPPD in the 1990s for a wet meadows study and have not been used by
NPPD or the Program for many years. These are likely just PVC pipe wells, some probably
broken off over time. The monitoring well in the southeast corner of what is now Cell 8 was
installed by the Crane Trust around 2000 and transferred to the Program around 2010. The EDO
recently found it to be filled in. None of these wells are known to be instrumented.

176

177 Recommendations: Initiate process to formally decommission all nine of these wells.

178

179 Lakeside/Stall/Edlund

180

181 Four monitoring wells were installed around the Lakeside gravel pit during the design of the

182 shelved slurry wall gravel pit project. None are known to be instrumented. Another monitoring 183 well of unknown status is shown to be located in the northwest corner of the property near the

- 184 river channel.
- 185

186 Recommendations: Verify status of northwest corner well. Initiate process to formally

- 187 decommission all five wells.
- 188
- 189 North Platte Chokepoint
- 190

Monitoring well GW-1 is located at the corner of North River Road and North Washboard Road. This is a constructed well (i.e., concrete pad, steel riser, locking lid) that was installed in the early 2010s. The well is instrumented but the Program has not used the data since the July 2020 chokepoint flow test. Twin Platte NRD has expressed interest in this well. The status of surface

195 water monitoring "well" SW-1 is unknown. SW-2, SC-1, and SC-2 (the latter two along the

restored State Channel berm) were instrumented for the July 2020 chokepoint flow test. Data

- 197 was downloaded after the flow test but not since then.
- 198

199 The EDO was planning to recommend removing instruments from SW-1 (if any present), SW-2,

200 SC-1, and SC-2. Rabbe requested that these remain in place until the GC makes a formal

201 decision regarding future monitoring at the North Platte chokepoint. Rabbe agreed with the plan

202 to transfer GW-1 to Twin Platte NRD, since the Program could still request data if needed.

203

204 Mosier asked about monitoring wells GW-2 and GW-3 that were also shown on the map in the

- 205 memo. Brei said those are on private property and were used by EA during a flood proofing
- study in the early 2010s. The EDO could look into decommissioning those wells; they have not



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207 been touched in more than 10 years, the landowners haven't asked about them, and present 208 condition is unknown. Brei also suggested checking with Twin Platte NRD to see if they're 209 interested in GW-2 and GW-3. (NOTE: The EDO subsequently contacted Twin Platte NRD 210 about GW-2 and GW-3. They were not interested in those wells.) Mosier asked if data from 211 monitoring wells in this area had any potential value in assessing the long-term results of the 212 Program's work there. Brei said not likely given the response of the National Weather Service to

- 213 the July 2020 flow test. Any potential solutions to capacity issues at the chokepoint are unlikely
- 214 to involve groundwater north of the river and east of Hwy 83 in the area of GW-2 and GW-3.
- 215
- 216 Recommendations: EDO to assess status of data loggers in SW-1, SW-2, SC-1, and SC-2.
- 217 Leave data loggers in place pending further discussion/decisions from the GC regarding the
- 218 North Platte Chokepoint. Work with Twin Platte NRD to transfer GW-1. Leave GW-2 and 219 GW-3 as they are for now.
- 220

221 Water Projects Scoring: Seth Turner, EDO

- 222 Turner explained that the Cottonwood Ranch recharge project was constructed in 2019 and
- 223 began operating in 2020 but has not yet been scored. The score analysis protocol approved by
- 224 the GC utilizes output data from the OPSTUDY model with a study period of 1947-1994.
- 225 OPSTUDY was used in the original EIS analyses for the Program and was developed earlier.
- 226 The EDO initiated a discussion with the GC in December about pursuing development of a
- 227 replacement for OPSTUDY that would include the more recent 30 years of hydrology, but that
- 228 idea was not received favorably. The GC reiterated that the protocol is to use the 1947-1994
- 229 hydrology for scoring consistency at least until the First Increment Water Objective is met. 230
- 231 Turner said the EDO had started preliminary work on a Cottonwood Ranch groundwater model
- 232 prior to Kristen Cognac's departure in early 2024 but that work has since been on hold. During
- 233 the Expanded Recapture Reconnaissance Study, NeDNR provided COHYST-based stream
- 234 depletion factors (SDF) that LRE Water used in the assessment of potential scores from
- 235 additional recapture wells. The EDO believes that these same SDFs can be used as a basis for
- 236 scoring the Cottonwood Ranch recharge project and nearby recapture wells. Turner said Scoring
- 237 Subcommittee membership will be reviewed by the GC in March, and the group will be
- 238 convened to review and approve methods before any formal work is done for the score analysis. 239
- 240 Altenhofen asked if there is a memo documenting Nebraska's work on COHYST and the new
- 241 SDFs. Schellpeper confirmed that documentation is available and can be shared.¹ Mosier asked
- 242 if this means the plan is to use the new SDFs from COHYST to update OPSTUDY. Turner
- 243 clarified that the 1947-1994 modeled hydrology from OPSTUDY would still be used to
- 244 determine excesses and shortages but the SDFs from COHYST would be used to estimate return
- 245 flows to the river from recharge at Cottonwood Ranch (or depletive effects from recapture

¹ ShareFile - State of Nebraska Section 15.2 of the main report (and associated Section 15 figures/tables) documents the Recharge Projects URFs Test Application. Documentation of the COHYST-based SDFs will be developed by NeDNR.



- 246 pumping), instead of building an expensive and time-consuming new groundwater model to
- accomplish the same thing.
- 248
- 249 Turner added that scoring could also proceed for the CPNRD and/or NPPD surface water leases
- 250 if longer-term agreements for those are finally reached. Scoring projects that contribute to the
- 251 Lake McConaughy EA is relatively simple and straightforward, and we already have several
- 252 prior score analyses to use as examples.
- 253

254 Other Water Plan Priorities for 2025: Seth Turner, EDO

Turner noted that much of the meeting to this point had focused on the EDO's planned activities related to the Program's Water Action Plan in 2025. At this time, discussion would be opened for committee members to provide feedback on other water-related issues the EDO should

address this year, at future WAC meetings, through other analyses, etc.

- 259
- 260 Wet Meadows
- 261

Altenhofen asked about the status of the wet meadows analysis. Farnsworth said the wet
meadows synthesis went through peer review. One chapter out of six had some issues, the EDO
is working to get those addressed. Most of that work should be completed prior to the May
WAC meeting, which would be a good time to present to the WAC.

- 266
- 267 Recharge Project Operations, Scoring, and Adaptation
- 268

269 Mosier initiated an extended discussion about Program recharge project operations relative to

hydrologic condition. Specifically, if excess flows occur during extended dry conditions, has the

271 EDO looked at the benefits of leaving water in the river versus diverting into recharge projects?

272 How often does this scenario occur?

273

274 Turner said the general pattern is that during normal/wet years there tends to be more excesses to

275 divert into recharge projects, but fewer of the accretions from recharge projects that occur during

- these periods count towards deficit reductions in the project accounting. In dry years, there are
- 277 fewer excesses to divert but more of the accretions count towards deficit reductions. There were
- 278 large amounts of recharge from 2015-2019 or 2020 and much less from 2021 to the present, and
- 279 you can see the effect of this in the operations accounting. With several consecutive years of
- 280 limited excess diversions for recharge, the accretion rate from recharge that occurred earlier has
- tapered off over time.
- 282
- Turner also said the EDO previously looked into the availability of excess flows since the start of the Program versus the 1947-1994 hydrology used for scoring, but that was about 10 years ago.
- 285 This led into additional commentary from Altenhofen and Brei on scoring versus real operations,
- assumptions that the Program would always take advantage of available excess flows, and the
- role of USFWS target flows in determining the availability of excesses based on the real-time
- 288 hydrologic condition.



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Mosier noted that there are newer members on the committee who may not be familiar with how scoring works for Program water projects. Farnsworth said the EDO could put some information together. Turner added that one of the EDO's earlier accounting memos included discussions of the differences between scoring and operations.² That can be provided to anyone who is interested.

294

Building upon Mosier's original question, Rabbe asked about the breakdown of the types of scenarios when excesses have been captured for recharge? We had good conditions for excess diversions from 2015-2019, when did that water come back? To what extent did it supplement baseflows in the summer months?

299

300 (EDO note: It has been the intent of the water projects accounting to demonstrate when recharge 301 occurs, what is the timing and rate of accretions back to the river, and how much Program water 302 is reducing deficits to target flows. These questions from WAC members bring up an interesting 303 point to address in the next round of accounting, one that we have not specifically considered 304 before: what was the real-time hydrologic condition at the time of excess flow diversions, what 305 were the target flows, and what was the range of Platte River flows at the time relative to target 306 flows?)

307

308 Steinke provided additional commentary on scoring assumptions versus actual operations and 309 performance of water projects versus original scores. He noted in particular how the Program's

310 Water Plan philosophy has evolved and adapted over time. With CNPPID constructing a new

E65 Canal and siphons in the coming years, there will need to be discussions of how to best

312 utilize that. Rabbe added that it would be useful to document how the Program's approach to

313 water has been modified, what's been learned, why we're on the current path. Turner said the

314 most recent Water Action Plan update was basically a recap of the history and evolution of the

315 Water Action Plan from 2007 to 2019.³ This would be worth revisiting so everyone has an 316 understanding of what has changed and why.

317

318 Winter Diversions

319

320 Altenhofen commented that the basis of the Program is the USFWS target flows and that some 321 projects are operated based on the shortages and excesses that are determined based on those 322 target flows. Farnsworth noted that earlier in the history of the Program's recharge project there 323 was greater ability to divert excesses in winter. Even if the Grand Island gage was ice affected, 324 the Overton gage was considered, which doesn't seem to be the case anymore. Turner added that 325 until around 2019, the Program would routinely have excesses up to 90 days in a row between 326 mid-November and mid-February. There was still occasionally ice at the Grand Island gage but 327 it didn't persist for 60 days like it does now. Since the beginning of December, there are 7 days

 ² <u>2018 PRRIP Water Projects Accounting, EDO Final, August 27, 2019</u> (specifically Section D, starting on page 8).
 Prior accounting documents were also made available with the <u>August 2024 WAC Meeting</u> documents.
 ³ <u>FINAL Water Action Plan Update Report: First Increment Progress, 2007-2019</u>



with estimated flow values. It's very frustrating when USGS provides estimated winter flows in
 April or May and it turns out there were excesses all along (in December-January-February), but
 we didn't know that in real time.

331

332 Turner suggested devising a workaround to determine winter excesses if the Grand Island gage is

iced. Gehle suggested reaching out to USGS to see about getting more frequent measurements.

Farnsworth asked if the flow is well above the target flows at Overton, why is that not sufficient

to assume flow would still be above targets at Grand Island and excess flows would be available?Gehle said that sounded reasonable, and that some of the past decision-making should be

reviewed. Turner added that so much of the Program's water project operations are based on the

- 338 Grand Island gage but it would be nice to use upstream gages when Grand Island has ice
- conditions. Steinke suggested that NeDNR would need to work through a checklist to make surethis could be done.
- 341

342 Altenhofen asked if the Program had considered using wells to make winter diversions for

343 recharge the way that Tamarack does. Turner said diverting from the river hasn't been the issue 344 because the Program's recharge projects are supplied through CNPPID's system, which runs 345 water year round anyway. Farnsworth added that the number of wells that would be needed for 346 impactful recharge diversions for the Program doesn't work out. Altenhofen said Tamarack has 347 16 wells running every day during the winter.

348

349 Water Projects Fact Sheets350

In the Teams chat, Marks asked about updating the water projects fact sheets that were originally prepared around 2019. Turner said that could be done after the accounting is updated to include 2024.

354

355 Additional Business: Cory Steinke – 2025 WAC Chair

Remaining WAC meetings in 2025 are scheduled for May 6, August 5, and October 28.

- 357
- 358 Action Items
- 359

364

365

360 General WAC

361 • N/A

362 363 EDO

- Wet meadows presentation for May WAC meeting.
- Compile documentation discussing Program water projects operations vs scoring.
- Include evaluation of real-time hydrologic condition and target flows at the time of
 excess flow diversions in the next round of water projects accounting.
- Future WAC meeting presentation on the evolution of Water Action Plan priorities over time.



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- 370 Work with NeDNR and USGS on a possible alternate approach to determining excess • flows availability when the Grand Island gage is affected by ice conditions during the 371 372 winter. 373
 - Update water projects fact sheets.
- 374