

North Platte Natural Resources District

ANNUAL REPORT OF 2020 WATER USE ACTIVITIES IN THE NORTH PLATTE NRD



TO MEET THE REQUIREMENTS OF THE INTEGRATED MANAGEMENT PLAN
FOR THE 2020 BASIN-WIDE MEETING

Meeting Date: July 14, 2021



NORTH PLATTE

Natural Resources District

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I. INTRODUCTION

This report is intended to satisfy the North Platte Natural Resources District tracking and reporting requirements as described by the Monitoring and Studies section of the North Platte Natural Resources District Integrated Management Plan (IMP). This report contains information on those activities required to be tracked for the period January 1, 2020, to December 31, 2020.

II. CERTIFICATIONS

No new acres were certified between January 1, 2020, and December 31, 2020.

III. APPROVED TRANSFERS

No transfers were sought or granted in calendar year 2020.

IV. VARIANCES

There were 11 Variances granted in 2020. Each approval was a Variance to Chapter 5, Rule 1, Paragraph 1, Allocation of Ground Water. The Variances were approved from 2020-2024.

Variance Number	Legal Description	Acres
VAR-2020-01	16-24-57W	12.3
VAR-2020-02	1-22-56W	40
VAR-2020-03	31-16-41W	42.8
VAR-2020-04	15-23-58W	342.6
VAR-2020-05	20/29-17-44W	78.8
VAR-2020-06	26-24-56W	38.6
VAR-2020-07	16-23-58W	50.4
VAR-2020-08	16-23-58W	47.1
VAR-2020-09	9-23-58W	106.5
VAR-2020-010	4-19-50W	10.6
VAR-2020-011	27-23-56W	22.5

V. OTHER PERMITS

No other permits were approved between January 1, 2020, and December 31, 2020.

VI. WELL CONSTRUCTION PERMITS

The following table lists the well construction permits that were approved, cancelled, or denied between January 1, 2020, and December 31, 2020:

NRD Permit Number	Legal Description	Use	Status	Replacement	DNR Registration Number
SG-20001	17-21-51W	Irrigation	Approved	No	G-189622
RP-20002	8-21-49W	Irrigation	Approved	Yes*	G-061923
RP-20003	2-23-48W	Irrigation	Approved	Yes*	G-174516

*This is a Special Circumstance Replacement Well, as per NPNRD Rules.

VII. IRRIGATION WELL FLOW METER DATA

The ending flow meter readings for Water Year 2020 were collected during October and November 2020. The preliminary amount of ground water withdrawn for irrigation purposes in the overappropriated area (including the Pumpkin Creek Basin Ground Water Management Subarea) for Water Year 2020 was 214,011.2 acre-feet on 213,073 certified irrigated acres, for an average withdrawal of 12.1 acre-inches per acre. The above numbers do not include withdrawal amounts that have not yet been calculated by some other means or for users whose data could not be directly obtained from a flow meter because of, e.g., a failed flow meter.

VIII. RETIRED ACRES AND OTHER STREAMFLOW ACCRETION ACTIVITIES

While the North Platte NRD did not enter into any new leases in 2020, there were a total of 2,734.31 acres that remain in NRD lease programs. Those acres include 392.5 acres of co-mingled irrigated lands; 265.32 acres of surface water irrigated lands; and 1993.19 acres of ground water irrigated lands.

In February of 2020, the North Platte NRD received applications from District Producers interested in selling all or a portion of their yearly base allocation through our EPIC program. In crop year 2020, the District purchased 101 inches of ground water over 964.63 acres that would have been consumptively used in growing crops. By purchasing the allocation, the District was able to gain consumptive use credit that will be applied towards our Platte River obligations. In 2020, the District paid participating producers a total of \$113,785.80.

IX. OTHER WATER BANKING ACTIVITIES

No water banking activities were conducted between January 1, 2020, and December 31, 2020.

X. MUNICIPAL AND INDUSTRIAL ACCOUNTING

The following table lists the information gathered for the municipal accounting requirement:

City	Baseline (gallons)*	2020 Use (gallons)*	2020 Population**	2020 gallons per capita per day
Bayard	151,783,533	123,296,000	1208	279.6
Bridgeport	237,176,000			
Broadwater	45,668,104			
Gering	891,820,400	784,029,100	8500	252.7
Minatare	61,311,333	50,399,678	809	170.7
Mitchell	173,323,000	153,572,100	1623	259.2
Oshkosh	125,128,333	66,339,000	884	205.6
Scottsbluff	960,551,017	721,763,322	14,737	252.7
Terrytown	147,433,847	81,763,000	1195	187.5
WNJWB (includes Lyman, Henry, Morrill)	327,391,371			

*This includes pumping and, if applicable, discharge volumes.

**Population numbers were supplied by the municipality.

The following table lists the information gathered for the industrial accounting requirement:

Name	Location	Well Reg. #	Baseline 2001-2006 (Acres or Gallons)	2020 Use (Acres/Gallons)
Courthouse and Jail Rock Golf Club	Sec. 29, T19N, R50W	G-096426, G-056581	35.21 acres	35.21 acres
Riverview Golf and Country Club	Sec. 17 and 20, T22N, R55W	G-083316, G-083317	67 acres	67 acres
Scottsbluff Country Club	Sec. 10, T22N, R55W	G-147117, G-147118, G-147119	106 acres	106 acres
Chimney Rock Golf Course	Sec. 22, T21N, R52W	G-072722	81.25 acres	81.25 acres
Rolling Green Golf Course	Sec. 15, T23N, R57W	G-029114	46.3 acres	46.3 acres
Scenic Knolls Golf Course	Sec. 9 and 16, T23N, R56W	G-120401	63.3 acres	63.3 acres
Oshkosh Country Club	Sec. 10, T16N, R44W	G-131367	33.2 acres	33.2 acres
Western Sugar Cooperative	Sec. 30, T22N, R54W	G-074421, G-074422, G-074423, G-005567	1,125,000,000 gallons	861,121,768
Bridgeport Ethanol LLC	Sec. 03, T19N, R50W	G-117573, G-152360	136,498,984 gallons	

*Baseline determined by 2009-2018

XI. OTHER DATA ACQUISITION

As of 2020, the North Platte NRD had 855 telemetry units installed on flowmeters throughout the District.

The North Platte NRD in combination with the Nebraska Soil and Water Conservation Program provided cost-share in the amount of \$56,284.52 for irrigation improvements through the NC-17 practice. Improvements included conversion nozzles, system renovations, drop nozzles and precision irrigation systems.