

North Platte Natural Resources District

ANNUAL REPORT OF 2019 WATER USE ACTIVITIES IN THE NORTH PLATTE NRD



TO MEET THE REQUIREMENTS OF THE INTEGRATED MANAGEMENT PLAN
FOR THE 2019 BASIN-WIDE MEETING

Meeting Date: July 15, 2020



NORTH PLATTE

Natural Resources District

ANNUAL REPORT OF WATER USE ACTIVITIES IN THE NORTH PLATTE NRD TO MEET THE REQUIREMENTS OF THE INTEGRATED MANAGEMENT PLAN FOR THE 2019 BASIN-WIDE MEETING

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, 2019, to December 31, 2019.

II. CERTIFICATIONS

No new acres were certified between January 1, 2019, and December 31, 2019.

III. APPROVED TRANSFERS

No transfers were sought or granted in calendar year 2019.

IV. VARIANCES

No variances from NRD rules and regulations were granted in calendar year 2019.

V. OTHER PERMITS

No other permits were approved between January 1, 2019, and December 31, 2019.

VI. WELL CONSTRUCTION PERMITS

The following table lists the well construction permits that were approved, cancelled, or denied between January 1, 2019, and December 31, 2019:

NRD Permit Number	Legal Description	Use	Status	Replacement	DNR Registration Number
IN-9001	31-22-54	Industrial	Approved	No	G-186818
RP-19002	28-24-56	Aquaculture	Approved	No	G-187947
IN-19003	3-19-50	Industrial	Approved	Yes	G-117573
RP-19004	17-19-53	Irrigation	Approved	Yes	**
SG-19005	30-23-57	Irrigation	Approved	No*	**

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

** Construction on well has not yet been completed, so well has not yet been registered.

VII. IRRIGATION WELL FLOW METER DATA

The ending flow meter readings for Water Year 2019 were collected during October and November 2019. The preliminary amount of ground water withdrawn for irrigation purposes in the overappropriated area (including the Pumpkin Creek Basin Ground Water Management Subarea) for Water Year 2019 was 93,490 acre-feet on 155,817 certified irrigated acres, for an average withdrawal of 7.2 acre-inches per acre. The above numbers do not include withdrawal amounts that have not yet been calculated by some other means, 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 2019, 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 2019, 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 2019, the District purchased 14,935.42 acre inches of ground water 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 June of 201 the District paid participating producers a total of \$224,031.30. In 2019, 2121.53 acres were enrolled in the EPIC Program.

IX. OTHER WATER BANKING ACTIVITIES

No water banking activities were conducted between January 1, 2019, and December 31, 2019.

X. MUNICIPAL AND INDUSTRIAL ACCOUNTING

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

City	Baseline (gallons)*	2019 Use (gallons)*	2019 Population**	2019 gallons per capita per day
Bayard	151,783,533	109,894,000	1208	249.2
Bridgeport	237,176,000	78,966,350	1532	141.2
Broadwater	45,668,104	5,217,500	128	111.7
Gering	891,820,400	556,193,152	8500	179.3
Minatare	61,311,333	3,894,174	810	129.9
Mitchell	173,323,000	190,919,800***	1702	307.3
Oshkosh	125,128,333	48,238,000	884	149.5
Scottsbluff	960,551,017	480,863,826	14,874	88.6
Terrytown	147,433,847	67,080,000	2144	85.7
WNJWB (includes Lyman, Henry, Morrill)	327,391,371	136,637,100	1368	273.6

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

**Population numbers were supplied by the municipality.

***Mitchell had a water leak that was not fixed until February 2020.

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

Name	Location	Well Reg. #	Baseline 2001-2006 (Acres or Gallons)	2019 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	810,429,595
Bridgeport Ethanol LLC	Sec. 03, T19N, R50W	G-117573, G-152360	130,665,048 gallons*	**

*Baseline determined by 2009-2013 usage.

** Mitigation for the offset is being discussed.

XI. OTHER DATA ACQUISITION

As of 2019, 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 \$83,355.50 for irrigation improvements through the NC-17 practice. Improvements included conversion nozzles, system renovations, drop nozzles and precision irrigation systems.