

North Platte Natural Resources District

ANNUAL REPORT OF 2016 WATER USE ACTIVITIES IN THE
NORTH PLATTE NRD



TO MEET THE REQUIREMENTS OF THE INTEGRATED MANAGEMENT PLAN
FOR THE 2017 BASIN-WIDE MEETING

Meeting Date: July 19, 2017



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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).

The 2016 report contains information on those activities required to be tracked for the period January 1, 2016, to December 31, 2016.

II. CERTIFICATIONS

No new acres were certified between January 1, 2016, and December 31, 2016.

III. APPROVED TRANSFERS

No transfer of certified irrigated acres and/or point of withdrawal was approved between January 1, 2016, and December 31, 2016.

IV. VARIANCES

No variances from NRD rules and regulations were sought or granted in calendar year 2016.

V. OTHER PERMITS

No other permits were approved between January 1, 2016, and December 31, 2016.

VI. WELL CONSTRUCTION PERMITS

The following table lists the well construction permits that were approved, cancelled, or denied between January 1, 2016, and December 31, 2016:

NRD Permit Number	Legal Description	Use	Status	Replacement	DNR Registration Number
NPSG 16001	28-17-44W	Irrigation	Approved	No*	Construction not complete
NPRP 16002	15-22-55W	Irrigation	Approved	Yes	G-062482
NPIN 16003	26-19-48W	Commercial	Approved	Yes	Construction not complete
NPSG 16004	14-15-43W	Irrigation	Approved	No*	G-180558
NPRG 16005	28-17-55W	Commercial	Approved	No**	G-180855
NPSG 16006	17-23-57W	Irrigation	Approved	Yes	A-003377

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

**This is a late permit issued for an existing illegal well that had not been registered. The well is now properly registered.

VII. IRRIGATION WELL FLOW METER DATA

The ending flow meter readings for Water Year 2016 were collected during October and November 2016. The preliminary amount of ground water withdrawn for irrigation purposes in the overappropriated area (including the Pumpkin Creek Basin Ground Water Management Subarea) for Water Year 2016 was 104,000 acre-feet on 183,512 certified irrigated acres, for an average withdrawal of 6.8 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

Between January 1, 2016, and December 31, 2016, 235.19 groundwater-certified irrigated acres were contracted through the District for permanent retirement. In addition, 16.4 acres were temporarily retired under a three-year lease.

The District entered into two surface water lease with landowners holding appropriations on Minatare Canal. The total surface water leased under these agreements, equivalent to 315 acres of surface-water-irrigated land (along with 88.1 acres of groundwater-irrigated land), will be returned directly to the North Platte River for depletions offsets, once the requisite transfer application is approved.

During the spring of 2016, ten (10) irrigation districts/canal companies participated in a canal recharge/flood mitigation project. During this project a total of 48,747 acre-feet was diverted from the North Platte River, with an estimated recharge of 19,498 acre-feet.

IX. OTHER WATER BANKING ACTIVITIES

No water banking activities were conducted between January 1, 2016, and December 31, 2016.

X. MUNICIPAL AND INDUSTRIAL ACCOUNTING

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

City	Baseline (gallons)*	2016 Use (gallons)*	2016 Population**	2016 gallons per capita per day
Bayard	151,783,533	128,723,000	1209	291.7
Bridgeport	237,176,000	66,007,980	1540	117.4
Broadwater	45,668,104	8,828,400	128	189.0
Gering	891,820,400	751,142,659	8500	242.1
Minatare	61,311,333	48,143,000	806	163.3
Mitchell	173,323,000	119,830,700	1702	192.9
Oshkosh	125,128,333	73,384,000	884	227.4
Scottsbluff	960,551,017	660,710,000	15,039	120.4
Terrytown	147,433,847	105,484,000	2144	134.8
WNJWB (includes Lyman, Henry, Morrill)	327,391,371	164,655,000	1417	318.4

*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)	2016 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	1,106,687,337 gallons
Bridgeport Ethanol LLC	Sec. 03, T19N, R50W	G-117573, G-152360	130,665,048 gallons*	214,517,143 gallons

*Baseline determined by 2009-2013 usage.

XI. OTHER DATA ACQUISITION

Beginning in the spring of 2016, the District deployed 290 telemetry units in two separate phases. Phase 1 was implemented in June and consisted of 240 installations. Phase 1.5 began in September and consisted of 50 installations. In December, the District discovered that some units had an issue with interrupted cellular connectivity. The District, in coordination with AMCI, the unit manufacturer, developed a solution to this problem, which was deployed in March 2017.