

# North Platte Natural Resources District

ANNUAL REPORT OF 2015 WATER USE ACTIVITIES IN THE  
NORTH PLATTE NRD



TO MEET THE REQUIREMENTS OF THE INTEGRATED MANAGEMENT PLAN  
FOR THE 2016 BASIN-WIDE MEETING

Meeting Date: June 16, 2016



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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, 2015, to December 31, 2015.

**II. CERTIFICATIONS**

A total of 23.9 new acres were certified between January 1, 2015, and December 31, 2015. The original certification had erroneously not included these acres.

**III. APPROVED TRANSFERS**

No transfer of certified irrigated acres and/or point of withdrawal was approved between January 1, 2015, and December 31, 2015.

**IV. VARIANCES**

No variances from NRD rules and regulations were sought or granted in calendar year 2015.

**V. OTHER PERMITS**

No other permits were approved between January 1, 2015, and December 31, 2015.

## VI. WELL CONSTRUCTION PERMITS

The following table lists the well construction permits that were approved, cancelled, or denied between January 1, 2015, and December 31, 2015:

NRD Permit Number	Legal Description	Use	Replacement	DNR Registration Number
NPRP15001	28-19-52	Aquaculture	Yes	Construction not complete
NPRP15002	22-19-46	Irrigation	Yes	G-167533
NPRP15003	23-19-53	Irrigation	Yes	G-104271
NPRP15004	31-21-51	Irrigation	Yes	G-021027
NPSG15005	33-23-56	Irrigation	No*	G-177126
NPRP15007	03-22-55	Irrigation	Yes	G-009899
NPSG15008	12-20-53	Irrigation	No**	Construction not complete
NPRP15009	02-17-44	Irrigation	Yes	G-036799
NPRP15010	09-21-52	Irrigation	Yes	Construction not complete
NPRP15011	15-24-57	Irrigation	Yes	Construction not complete

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

\*\* Constructed under approved Transfer T-14-001, included in 2015 Report.

## VII. IRRIGATION WELL FLOW METER DATA

The ending flow meter readings for Water Year 2015 were collected during October and November 2015. The preliminary amount of ground water withdrawn for irrigation purposes in the overappropriated area (including the Pumpkin Creek Basin Ground Water Management Subarea) for Water Year 2015 was 87,147 acre-feet on 153,097 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, 2015, and December 31, 2015, 814.8 groundwater-certified irrigated acres were contracted through the District for permanent retirement. In addition, 83.3 acres were temporarily retired under a five-year lease.

The District entered into one surface water lease with landowners holding an appropriation on Minatare Canal. The total surface water leased under this agreement, equivalent to 75 acres of irrigated land, will be returned directly to the North Platte River for depletions offsets, once the requisite transfer application is approved.

## IX. OTHER WATER BANKING ACTIVITIES

No water banking activities were conducted between January 1, 2015, and December 31, 2015.

**X. MUNICIPAL AND INDUSTRIAL ACCOUNTING**

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

City	Baseline (gallons)*	2015 Use (gallons)*	2015 Population**	2015 gallons per capita per day
Bayard	151,783,533	122,196,500	1209	277.0
Bridgeport	237,176,000	66,092,140	1545	117.0
Broadwater	45,668,104	13,304,600	128	306.2
Gering	891,820,400	591,240,200	8500	191.0
Minatare	61,311,333	41,619,300	809	141.0
Mitchell	173,323,000	116,961,368	1685	190.2
Oshkosh	125,128,333	79,040,000	884	245.0
Scottsbluff	960,551,017	491,049,200	15,039	89.5
Terrytown	147,433,847	107,508,000	2144	137.0
WNJWB (includes Lyman, Henry, Morrill)	327,391,371	134,880,600	1417	260.8

\*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)	2015 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	889,799,651 gallons
Bridgeport Ethanol LLC	Sec. 03, T19N, R50W	G-117573, G-152360	130,665,048 gallons*	221,299,397.6 gallons

\*Baseline determined by 2009-2013 usage.

## **XI. OTHER DATA ACQUISITION**

The District has completed a pilot project designed to test the capabilities of telemetry units for gathering water-use data from irrigation wells. The project was successful, and a telemetry unit and vendor have been selected. Subsequent annual reports will include information on the implementation of the telemetry project and associated data availability.