

Infrastructure Status reports

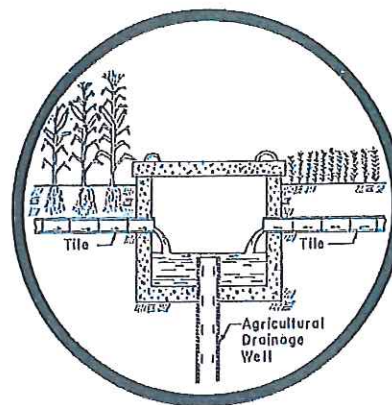
12/31/17



Division of Soil Conservation
& Water Quality

Agricultural Drainage Well Closure Assistance Fund

Agricultural drainage wells (ADWs) were developed in the early to mid-1900's and discharge cropland tile drainage water to underground aquifers. The fund was established in 1997 to protect drinking water aquifers by cost-sharing with landowners to close agricultural drainage wells and develop alternative drainage outlets to surface streams or install alternative management practices. Projects are typically constructed through drainage districts, although some projects are undertaken by individual landowners. Some of the remaining wells to be closed are located in karst areas with shallow limestone.



- 300 registered agricultural drainage wells (ADWs) in Iowa
- 100 ADWs closed by landowners, Watershed Improvement Review Board funding, or determined by the Department of Natural Resources (DNR) to not be ADWs or to be non-functioning
- 170 ADWs closed to date using \$15.66 million of assistance funds
- 5 ADW closures in project construction phase
- 9 ADW closures in design phase with 2018 construction
- 16 ADWs remain in continued use with DNR permits.
- 6 ADW closures anticipated for FY19
- FY19 appropriation request = \$1,875,000

Fund Status

FY18 Appropriation	\$1,875,000
Balance 6/30/17 Brought Forward	\$4,861,944
Interest to Date	\$18,160
Expenditures to Date	\$ 502,740
Obligated/Encumbered	\$6,252,364
Unobligated	\$0

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Iowa Water Quality Initiative (WQI)

The Iowa Water Quality Initiative was established in 2013 to help implement the Nutrient Reduction Strategy (NRS), which is a science and technology based approach to achieving a 45 percent reduction in nitrogen and phosphorus losses to our waters. The strategy brings together both point sources, such as municipal wastewater treatment plants and industrial facilities, and nonpoint sources, including farm fields and urban stormwater runoff, to address these issues.

The initiative seeks to harness the collective ability of both private and public resources and organizations to deliver a clear and consistent message to stakeholders to reduce nutrient loss and improve water quality.

A total of 57 demonstration projects are located across the state to help implement and demonstrate water quality practices. This includes 16 targeted watershed projects, 7 projects focused on expanding the use and innovative delivery of water quality practices and 34 urban water quality demonstration projects. More than 220 organizations are participating in these projects.

More information about the initiative can be found at www.CleanWaterIowa.org.

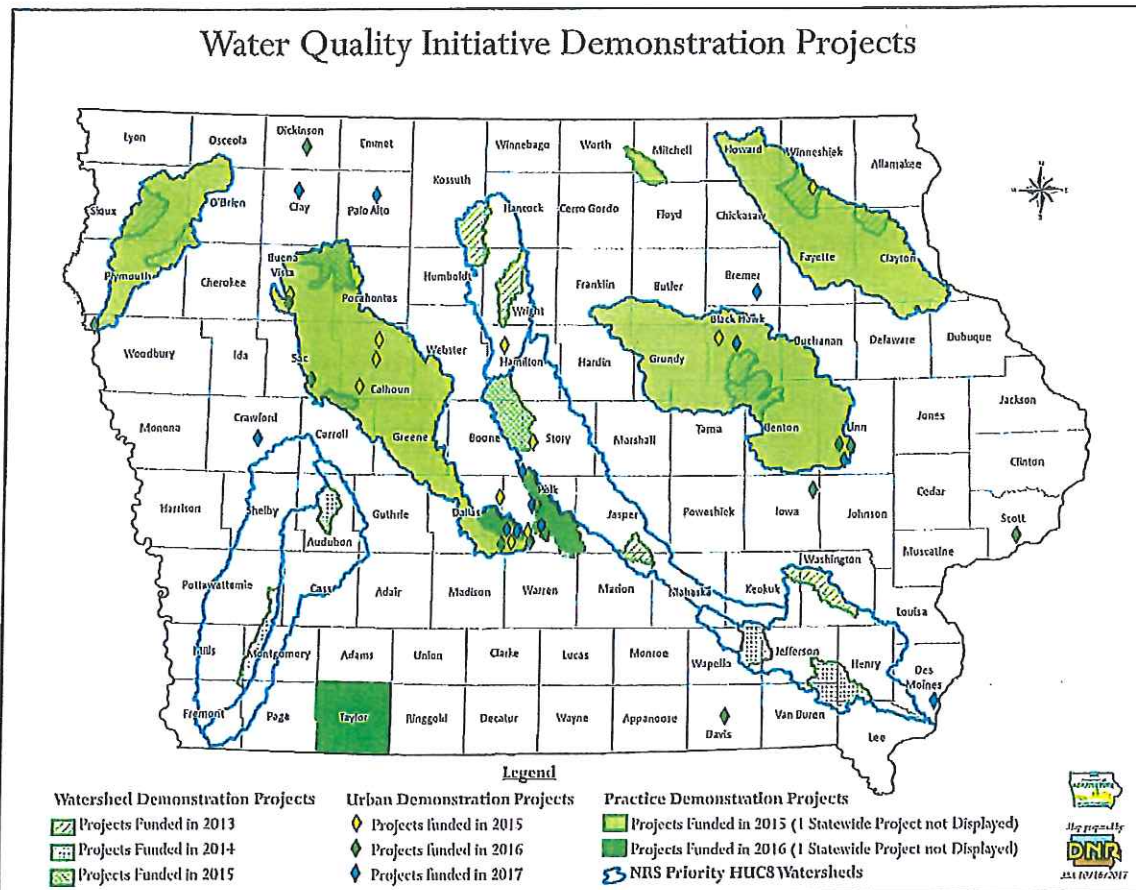
- 2,600 farmers committed \$4.8 million in cost share funds in the fall of 2017 to install nutrient reduction practices. The practices that were eligible for this funding are cover crops, no-till or strip till, or using a nitrification inhibitor when applying fall fertilizer. Farmers using cost share funding contribute an estimated \$8.7M of their own funding for these practices.
- 16 watershed demonstration projects within the designated priority watersheds.
 - Demonstrate NRS practices on a watershed scale
 - Conduct edge of field monitoring in project locations to collect data, target practices, and confirm results
 - Provided extensions to 4 projects to expand and build upon their current efforts of advancing demonstration the NRS on a watershed basis.
- 34 active or recently completed urban conservation demonstration projects.
 - In the process of adding more urban projects. Anticipate new projects starting April 2018
- 7 active practice demonstration projects focused on targeted and innovative delivery of NRS practices.
 - Practices include: denitrifying bioreactors, saturated buffers, wetlands, cover crops and perennial land use
- Over 220 partners are collaborating and leveraging funds in the 57 projects under WQI.
- IDALS has successfully leveraged state funds to bring in 2 federal grants through the USDA-Natural Resource Conservation Service (NRCS) Regional Conservation Partnership Program (RCPP)
 - \$3.5M to provide additional dedicated federal resources to 8 of the 16 WQI Demonstration Watershed Projects was awarded in 2015.
 - \$9.5M to provide additional dedicated federal resources to 4 of the 16 WQI Demonstration Watershed Projects and within 3 of the 9 designated priority watersheds of the NRS was awarded in 2016

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- FY19 appropriation request = \$10,575,000 (requested from General Fund)



Fund Status

FY18 RIIF Appropriation	\$5,200,000
FY18 General Fund Appropriation	\$3,000,000
FY18 Env. First Fund Appropriation	\$2,375,000
Balance 6/30/17 Brought Forward	\$16,316,964
Interest to Date	\$62,723
Outside Contributions	\$215,707
Expenditures to Date	\$5,600,734
Obligated/Encumbered	\$21,569,660
Unobligated	\$0

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Renewable Fuels Infrastructure Program

Purpose: Expand availability of higher blends of renewable fuels

Examples of fuel retailers investing in renewables:

- The Department received **\$3 million** through the Rebuild Iowa Infrastructure Fund to continue the Iowa Renewable Fuels Infrastructure Program.
- This program offers cost-share grants for the installation of E85 dispensers, E15 infrastructure, blender pumps, biodiesel dispensers, and biodiesel storage facilities.
- Participants are required to market renewable fuels for up to 5 years.
- In FY 2018 (to date) the Iowa Renewable Fuels Infrastructure Board approved funding to support the installation of **25** E85 or ethanol blender pumps and **25** biodiesel pumps or storage tanks.
- Since 2007, the Renewable Fuels Infrastructure Program has provided more than **\$33 million** to fuel retailers for infrastructure that gives customers additional access to renewable fuels.
 - This includes **324** projects installing E85 or ethanol blender pumps and **428** projects installing biodiesel pumps or storage tanks.
- **USDA Biofuel Infrastructure Program (BIP):** Iowa was able to draw down **\$5M in USDA funding** to install 187 blender pumps and 25 storage tanks (100 stations)

Cost Share Example: Next Page

Program History:

- RFIP was transferred from Economic Development Authority to IDALS on 7/1/2011.

Background: Weights and Measures Bureau

- 41,989 gas pumps at 2,244 businesses are inspected annually
- 6,260 scales **Inspected** at 1690 businesses (19,000+ Licensed scales in Iowa)
- Inspected 898 truck scales at 718 locations

Renewable Fuels Infrastructure Program Examples

ADD NEW STORE:

\$756,000 TOTAL COST

\$100,000 from RFIP (\$50,000 for ethanol and \$50,000 for biodiesel)

\$656,000 from STATION OWNER

UPGRADE TO OFFER E85:

\$82,000 TOTAL COST

\$50,000 from RFIP

\$32,000 from STATION OWNER

Renewable Fuels Infrastructure Program limit is:

70% of cost share not to exceed \$50,000 for retail E85 or E15; **or**

70% of cost share not to exceed \$50,000 for retail biodiesel