

LINN COUNTY PUBLIC HEALTH



Public Health
Prevent. Promote. Protect.

Linn County, Iowa

Air Quality Program Update
November 29, 2018

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Manager, Environmental Public Health



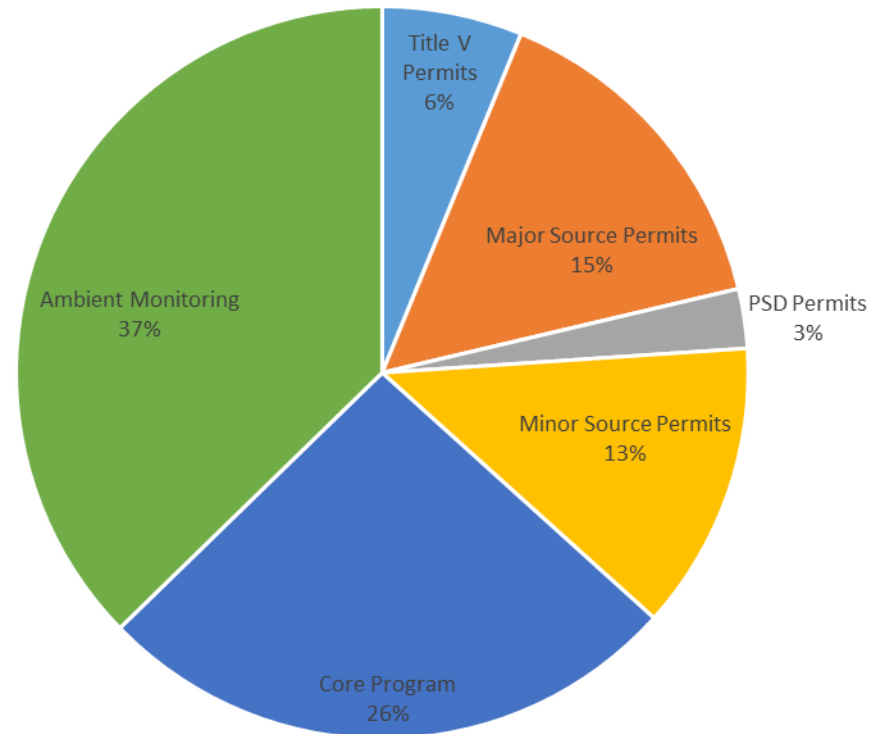
Agenda

- FY19 Budget
- Ambient Air Update
- Regulatory Highlights
- Volkswagen Settlement Grant



Air Quality Budget

- Six Main Categories
 - Title V Operating Permits
 - Major Source Construction Permitting
 - PSD Permitting
 - Minor Source Construction Permitting
 - Core Program Activities
 - Ambient Monitoring Activities



Revenue

	FY17	FY18	FY19	FY17 Actual
DNR				
Title V Emission Inventory Fees	\$585,820	\$505,524	\$505,524	\$543,772
EPA 105 Grant	\$125,816	\$125,816	\$123,150	\$125,816
EPA 103 Grant	\$17,500	\$17,500	\$17,500	\$17,500
DNR TV & PSD Reimbursement	\$129,567	\$156,908	\$92,855	\$17,612
DNR Subtotal	\$858,703	\$805,748	\$739,029	\$704,700
Linn County				
Local Permit Fees	\$264,974	\$271,257	\$274,125	\$275,115
Local Property Tax	\$54,217	\$104,793	\$161,994	\$205,372
Linn County Subtotal	\$319,191	\$376,050	\$436,119	\$480,487
Grand Total	\$1,177,894	\$1,181,798	\$1,175,148	\$1,185,187

Note FY19: Of \$134,625 in local general funds \$37,807 is committed to local permitting in LOA

Note FY19: Budgets includes \$5 increase per PTO for a total of \$10,750

Expenses

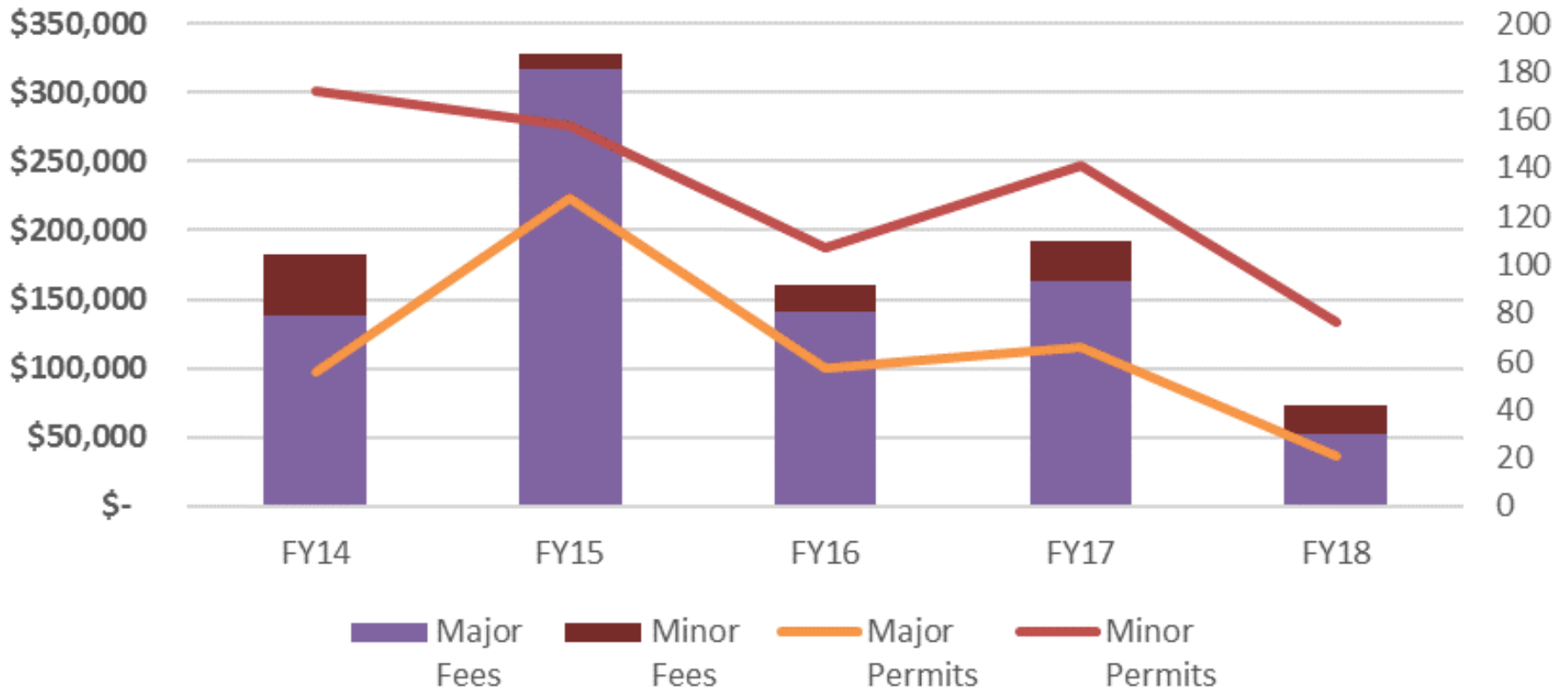
	FY17	FY18	FY19	FY17 Actual
DNR 28E Contract Personnel	\$948,697	\$947,620	\$938,066	\$945,891
LCPH AQ Funded Personnel	\$81,722	\$91,203	\$104,157	\$124,804
Travel/Training	\$21,200	\$21,200	\$22,350	\$15,217
Supplies	\$11,700	\$11,700	\$11,500	\$8,541
Other	\$27,550	\$27,550	\$16,550	\$15,976
AAM Equipment & Supplies	\$87,025	\$82,525	\$82,525	\$74,758
Grand Total	\$1,177,894	\$1,181,798	\$1,175,148	\$1,185,187

Construction Permitting Trends

- Major Source permitting in FY18 was down 32% compared to FY17 and down 32% compared to the 5 year average
- Minor Source permitting in FY18 was down 73% compared to FY17 and down 84% compared to the 5 year average.



Air Quality Construction Permitting



2018 Ambient Air Quality Monitored Results

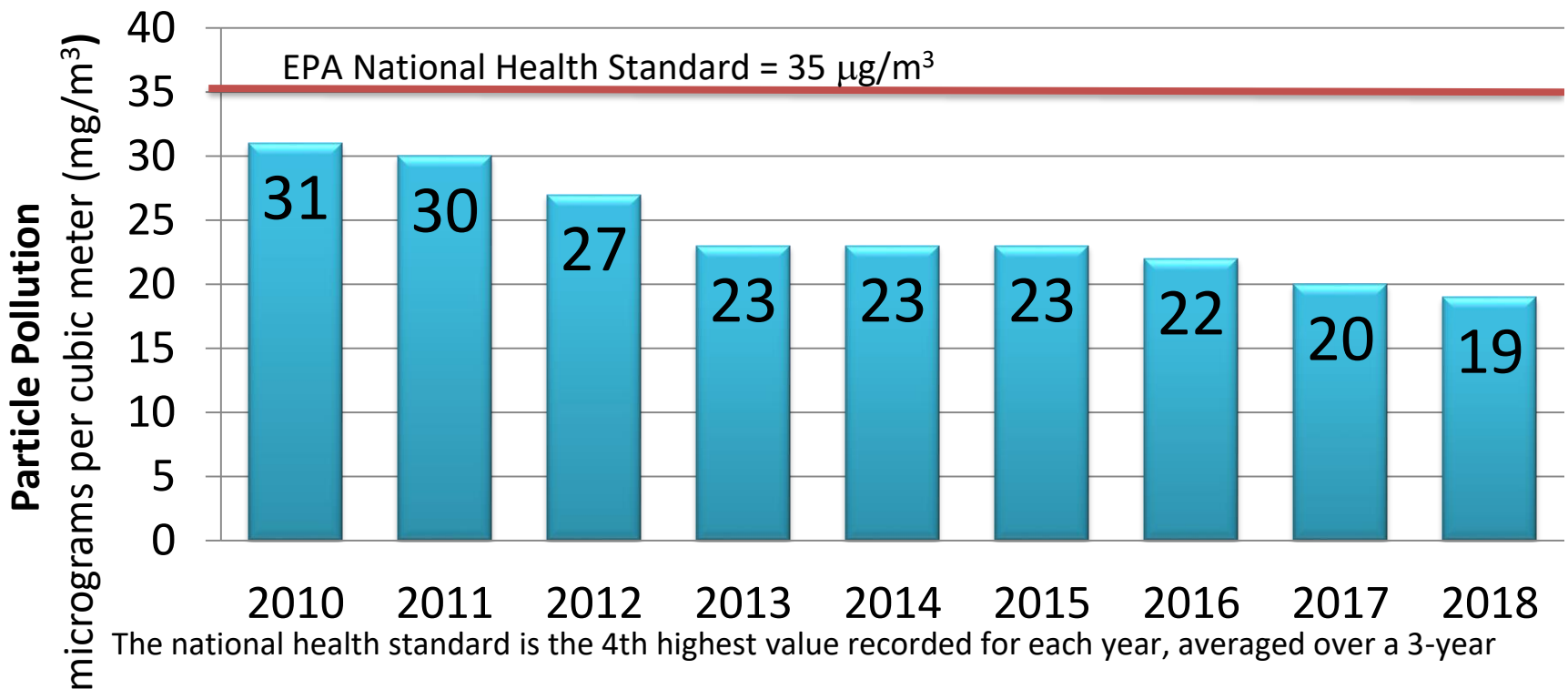
Linn County Ozone Pollution



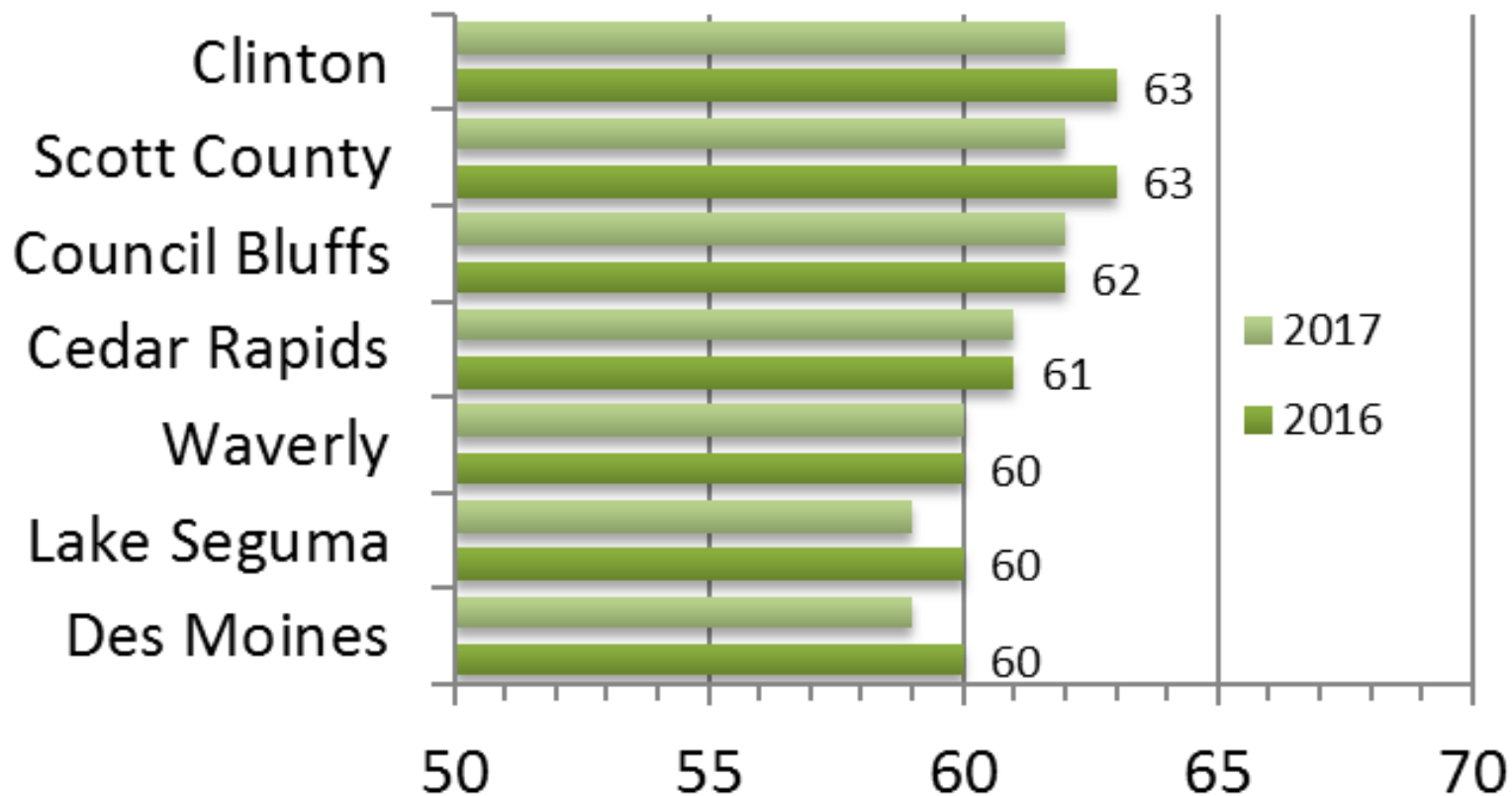
The national health standard is the 4th highest value recorded for each year, averaged over a 3-

2018 Ambient Air Quality Monitored Results

Linn County Particulate Pollution

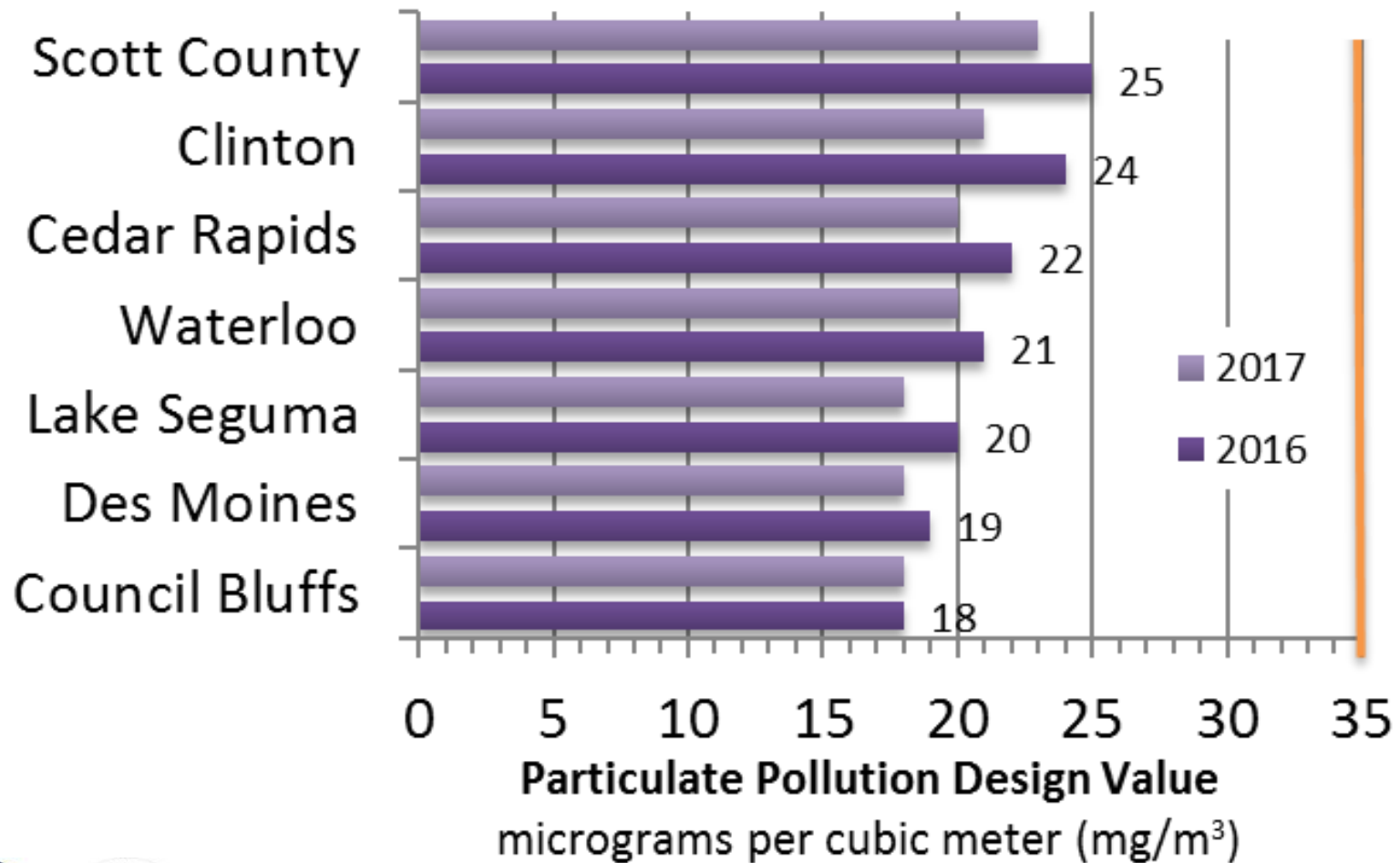


Ozone Pollution in Iowa



Particulate Pollution in Iowa

EPA Health
Standard



SO2 NAAQS

2014 the 99th Percentile was = 113 ppb

2015 the 99th Percentile was = 50 ppb

2016 the 99th Percentile was = 54 ppb

3 year Design Value = 72 ppb => Designated
Unclassifiable/Attainment

2017 the 99th Percentile was = 53 ppb

2018 (Q1-Q3) the 99th Percentile is = 30 ppb

3 year Design Value has dropped from 72 to 46 ppb

DNR Audit Report

- DNR greatly appreciates LINN's assistance in facilitating communications and developing implementation strategies with four facilities impacted by EPA's SO2 Data Requirements Rule. LINN's contributions were instrumental in the timely completion and submission of an unclassifiable/attainment recommendation to EPA for the 1-hour SO2 NAAQS in LINN.
- Linn County thanks IPL for fuel adjustments made at Prairie Creek Generating Station and to IPL, ADM, Cargill, and Ingredion for their efforts to demonstrate attainment with the 1-hour SO2 NAAQS.

Regulatory Highlights

- EPA's recent NSR & Title V Actions
 - Will not review substantive NSR claims in Title V petitions (TV)
 - Rescission of “Once In, Always In” policy (TV)
 - “Adjacency” interpretation for NSR and Title V permitting – EPA will not consider functional interrelatedness going forward, only proximity (TV & NSR)
 - Revised interpretation of “common control” for NSR and Title V source aggregation (TV & NSR)
 - Finalized reconsideration on January 2009 action to clarify “project aggregation” for NSR permitting – retaining 2009 interpretation which requires physical/operational changes to be “substantially related” (NSR)
 - Will no longer “second-guess” a company’s pre-construction emission estimates, so long as the company complies with procedural requirements (NSR)
 - Project emissions accounting allowed in “Step 1” of the 2-step NSR applicability process (NSR)
 - Affordable Clean Energy Rule (NSR)



Regulatory Highlights

- **Iowa DNR - E-Application Project**
 - Easy-to-use system for electronically submitting Construction and Title V Permit applications with all necessary forms and attachments.
 - Single point of access for collecting permit application information, tracking, and storing the application, including information updates as deemed necessary by agency staff.
 - Will provide the option to export certain information (such as emission unit/point descriptions and IDs, facility location, and facility contacts) into Word templates used by Air Quality staff to write permits so as to eliminate redundant data entry.
 - Go-live October 16, 2019

Iowa Volkswagen Settlement Grant Application

- Iowa DOT is accepting grant applications for the Volkswagen Settlement Environmental Mitigation Trust Program.
- Private organizations, public transit system operators, cities, counties, and schools that own and operate diesel fleets and equipment are eligible.
- The first cycle will distribute \$4.9 million across three project categories:

Mitigation Category	Funding Available
Category 1 - Class 4-8 School Bus, Shuttle Bus, or Transit Bus	\$3,150,000
Category 2 - Freight Trucks and Port Drayage Trucks	\$1,050,000
Category 3 - Non-Road Transport and Equipment	\$700,000
TOTAL	\$4,900,000

- Applications are due by 5 p.m. CST, January 18, 2019.

To learn more, visit www.iowadot.gov/vwsettlement.



Questions

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