

The State of Missouri's Natural Resources

Katie Jo Wheeler, Deputy Director

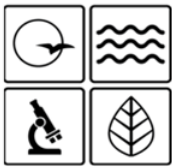


Our Mission

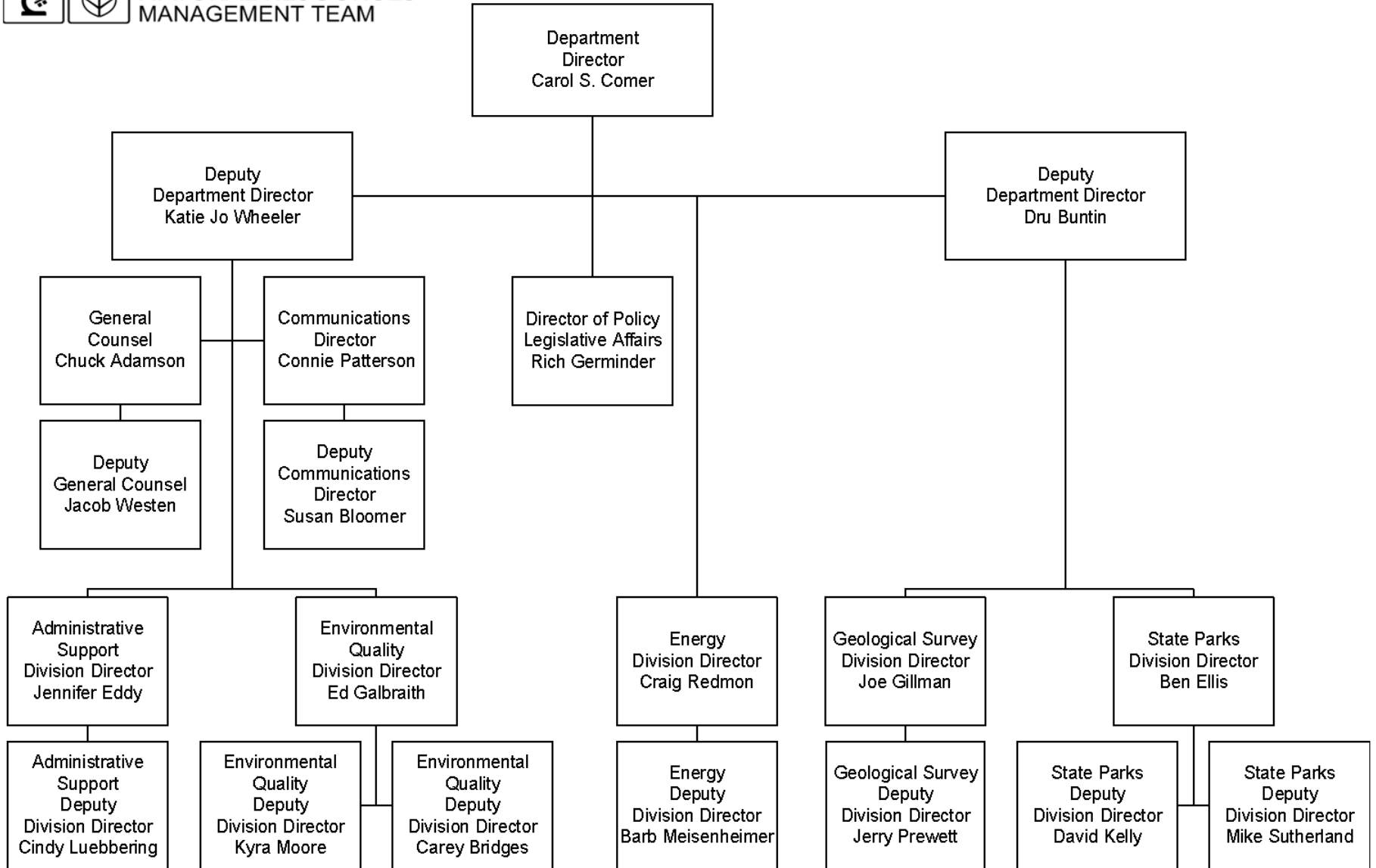
- Protect air, land, water, and mineral resources
- Preserve unique natural and historic places
- Provide recreational and learning opportunities
- Promote environmentally sound operations of businesses, communities, agriculture, and industry for all Missourians

Our Goals

- Improve the quality of the air, land and water for all Missourians
- Issue permits in timely manner
- Eliminate our permit backlog
- Conduct regular inspections
- Respond to submissions quickly
- Communicate person to person



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NATURAL RESOURCES
MANAGEMENT TEAM



DNR Welcomes Division of Energy

- Executive Order 19-01 moved the Division of Energy to the Department of Natural Resources Aug. 28
- Expands Department's ability to balance a healthy environment with a healthy economy
- Supports affordable, reliable made-in-Missouri energy resources

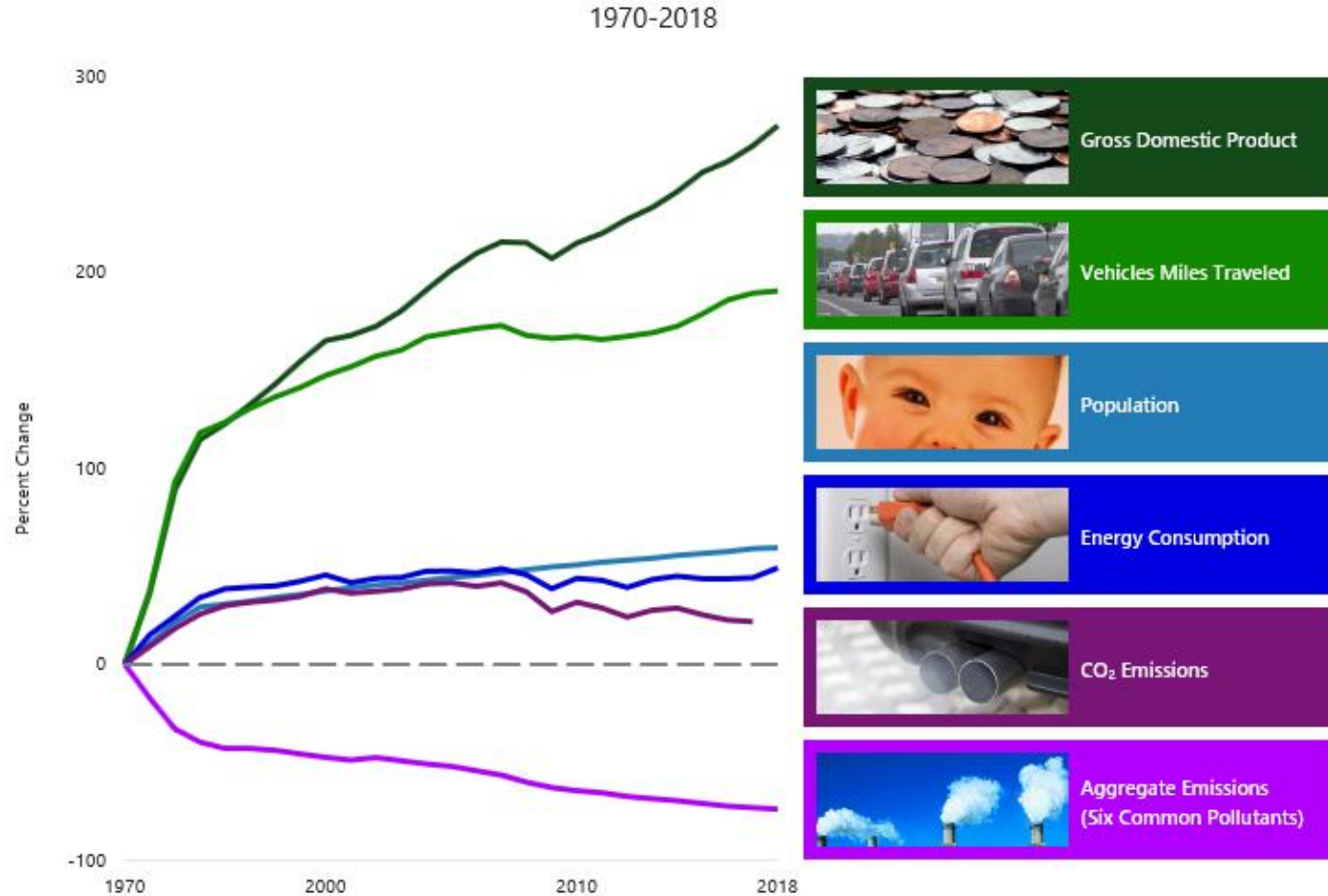
Red Tape Reduction

- Reduce regulatory burden and streamline regulations
- Reviewed 598 rules in compliance with Executive Order 17-03
- Rescinded 154 rules
- Amended 223 rules
- Removed 37 percent of 24,105 restrictive terms identified in DNR's rules
- Next step: Submit state rules to EPA for inclusion in State Implementation Plan



Comparison of Growth Areas and Declining Emissions

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Between 1970 and 2018, the combined emissions of the six common pollutants (PM_{2.5} and PM₁₀, SO₂, NO_x, VOCs, CO and Pb) dropped by 74 percent.

Volkswagen Trust Funds



- Stakeholder discussions in 2018
- Develop plan to use and distribute Missouri's share (\$41 million)
- Funded \$6 million in school buses, government trucks, and transit/shuttle buses
- Plan to award \$13.5 million
- Government truck and transit/shuttle categories closed August 30, 2019
- Plan to award remainder of \$41 million by October 2027 deadline



Award Categories and Funding Levels

Award Category	Projects	Funding Level
1	School Buses	\$12 million
2	Government Trucks	\$6 million
3	Transit and Shuttle Buses	\$4 million
4	Nongovernment Trucks	\$6 million
5	Locomotive and Marine	\$2 million
6	Airport and Cargo Equipment	\$2 million
7	DERA Option	\$3 million
8	Electric Vehicle Charging Stations	\$6 million

Tentative Application Schedule

- October 1 – open application period:
 - Non-government Trucks (target areas)
 - Locomotive and Marine
 - Airport and Cargo Equipment
 - Diesel Emissions Reduction Act (DERA)

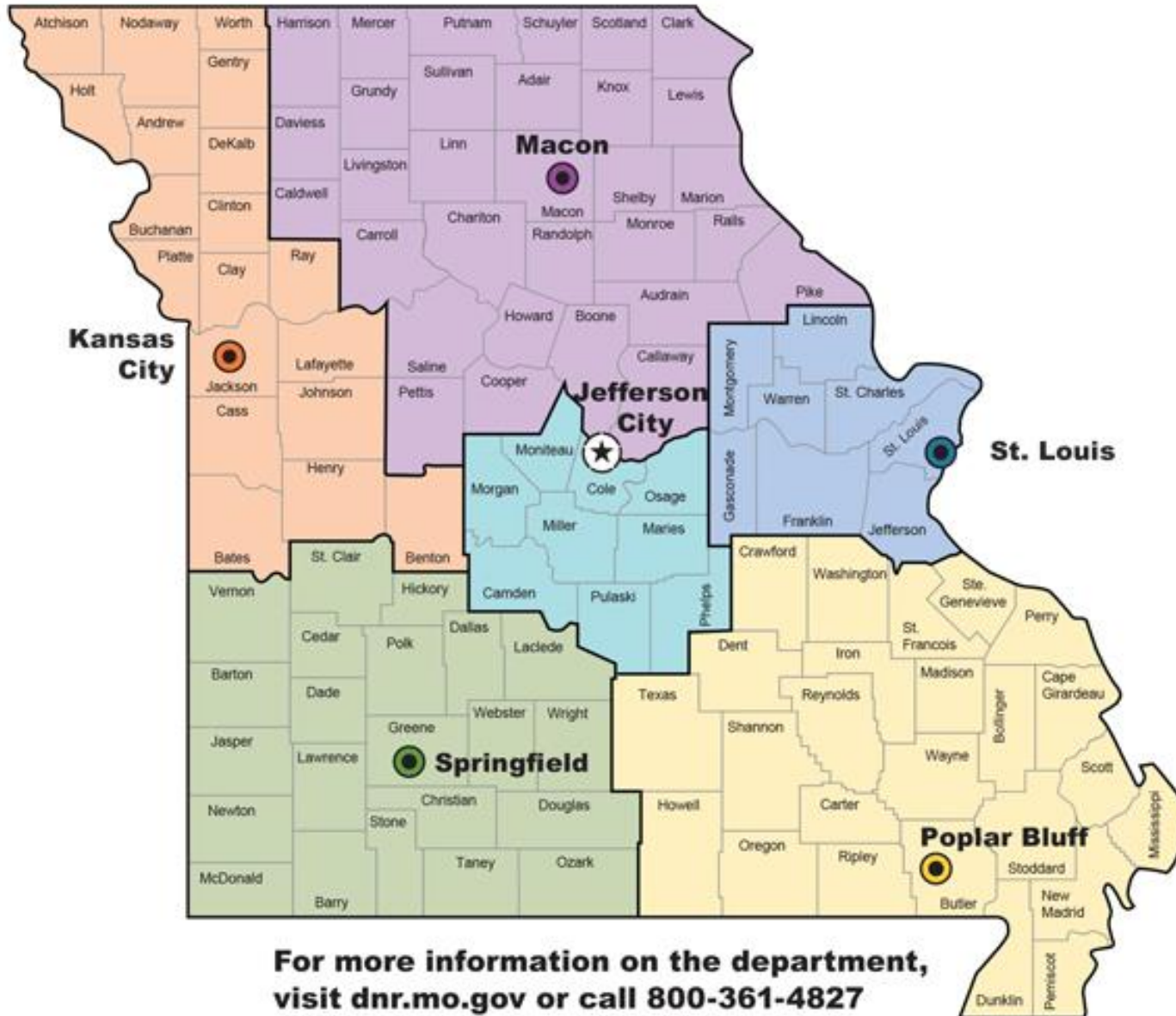
Compliance Assistance Initiative

- Establish Central Field Operations
- Provides field staff for the central counties of the state
- More and better compliance assistance to regulated public
- Faster response and turn-around
- Beginning of a multi-year, phased process



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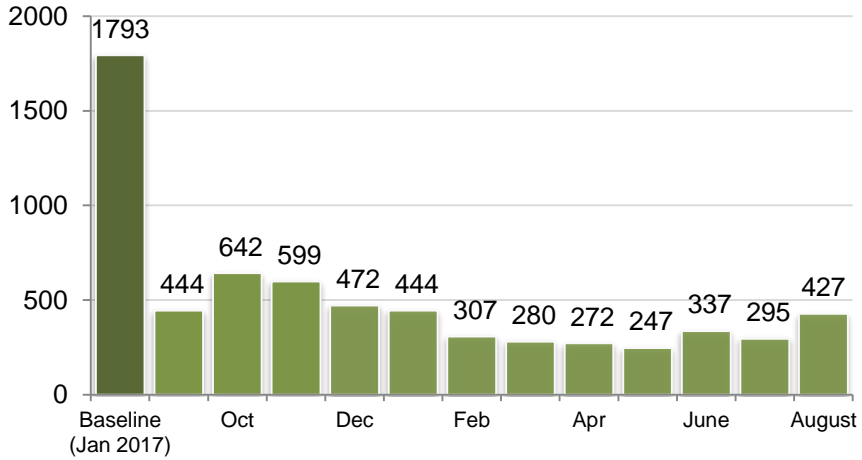
**For more information on the department,
visit dnr.mo.gov or call 800-361-4827**

Permit Backlog Reduction

- Reduced environmental permit backlog by 76 percent in the past two years
- Improving our process to issue permits in a timely manner = helps regulated community meet and manage environmental commitments

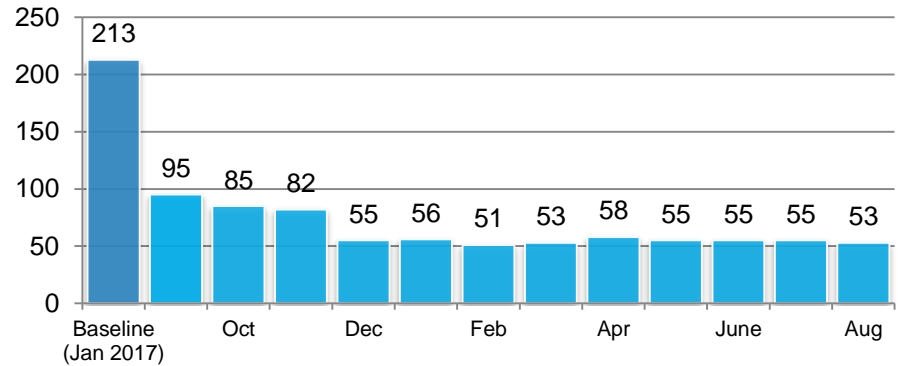


NPDES

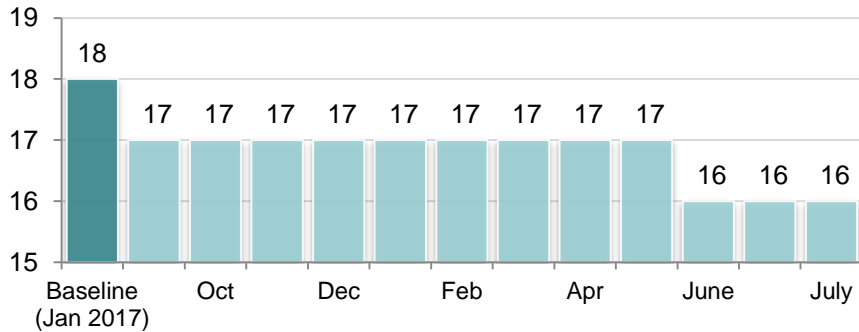


NPDES = National Pollutant Discharge Elimination System

Air



Hazardous Waste



PERMIT BACKLOG

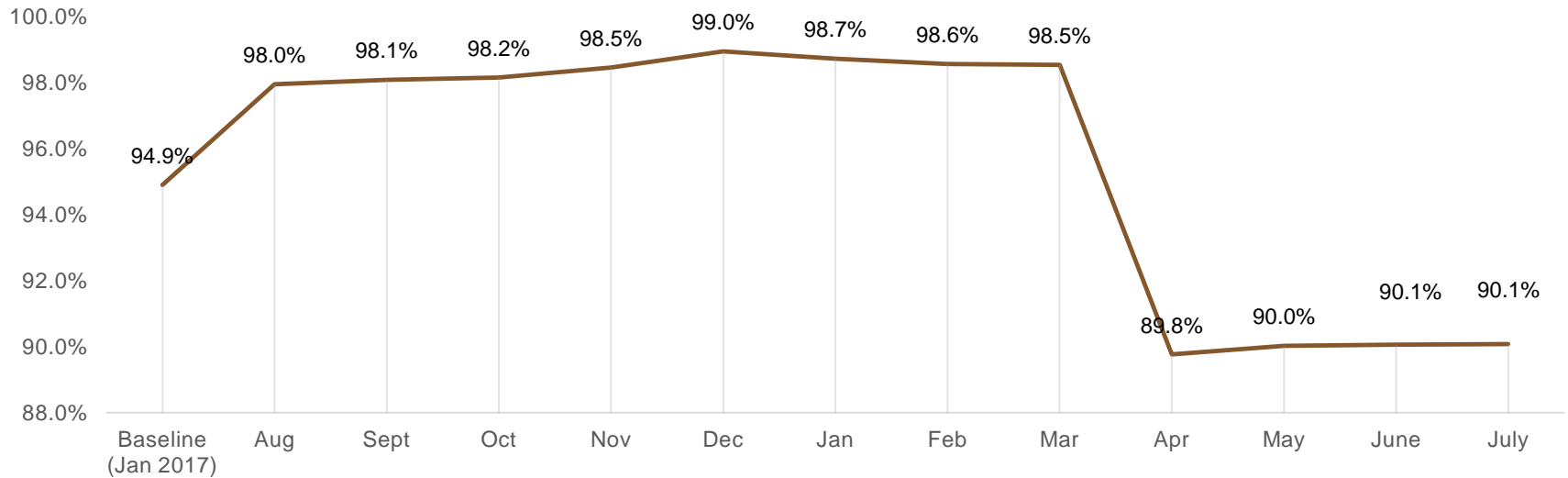
A Healthier Environment

- Prior to flooding, 98.9 percent of Missourians had access to public drinking water that meets health-based standards
- Increase in number of Missourians living in areas that meet National Ambient Air Quality Standards





Percent of Missourians Served by Public Drinking Water Systems Meeting All DW Standards



*April, May, June, and July reflect violations issued to systems impacted by flooding. If these violations were excluded, the percentages would be 98.6% for April, 98.8% for May, 98.9% for June, and 98.9% for July.

Water: Assisting Missouri Communities

- The Clean Water and Drinking Water State Revolving Funds
- Provide low-interest loans for wastewater and drinking water infrastructure projects
- **Provided almost \$32 million to Missouri communities in FY19**
- New grant program
- Regionalization and consolidation



Liberty's 20-year SRF loan will save its citizens an estimated \$24.3 million compared to conventional financing.

State Water Plan

- State law directs DNR to update the state water plan
- Plan identifies future shortfalls in water supplies and explores options to address those
- Partnership with USACE and stakeholders key to success.
- Anticipate completion of plan by fall 2019

Missouri Water Quality Standards

- EPA published its proposed rule in December 2017 (113 lakes in Missouri, 739 wastewater facilities for \$1.7 billion)
- Missouri finalized its state criteria and submitted to EPA in April 2018 (34 lakes, 30 wastewater facilities for \$83.1 million)
- EPA approved nutrient criteria for lakes Dec. 14, 2018
- July 30, 2019 EPA approved the majority of the remaining outstanding standards package
- Remaining issues
 - Variance provisions
 - Definition of Waters of the State
 - pH criteria

Missouri Water Quality Standards

- Holding stakeholder meetings to discuss proposed revisions:
 - Aquatic life protection criteria updates for aluminum and cadmium,
 - Revised language for sulfate plus chloride
- Proposing to update the Missouri Use Designation Dataset

BVCP offers opportunity for redevelopment

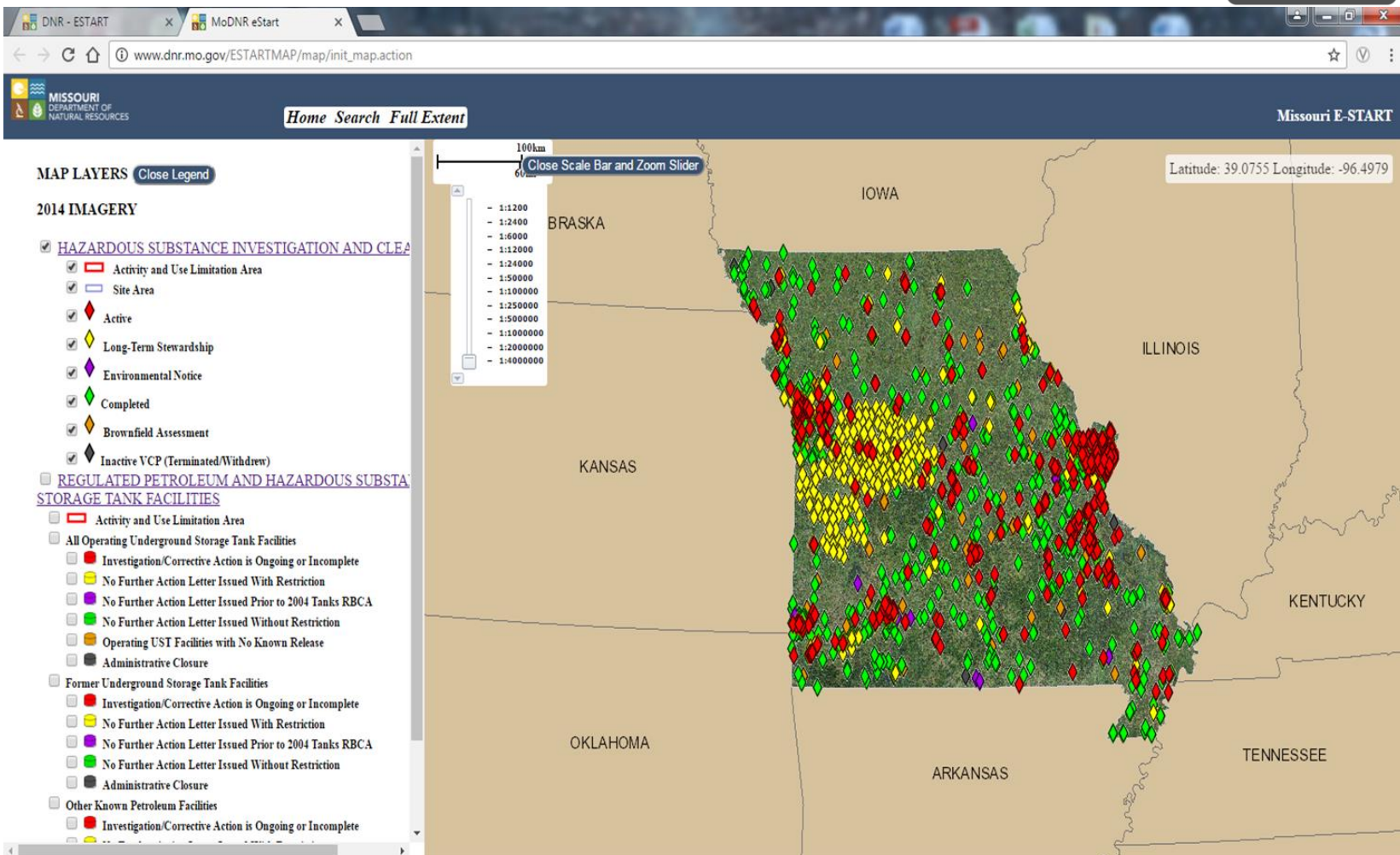
- Brownfields are former industrial or commercial sites where future use is affected by real or potential environmental contamination
- Non-enforcement, non-litigating
- Low cost (average is \$4,500)
- Flexible – work with you and suggest cost-saving improvements when applicable

BVCP: What We Offer

- Area-Wide Inventory
- Environmental Site Assessments
- Analysis of Brownfield Cleanup Alternatives
- Voluntary Cleanup Oversight
- Long-Term Stewardship



BVCP: Missouri Environmental Site Tracking and Research Tool (Missouri E-START)





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