

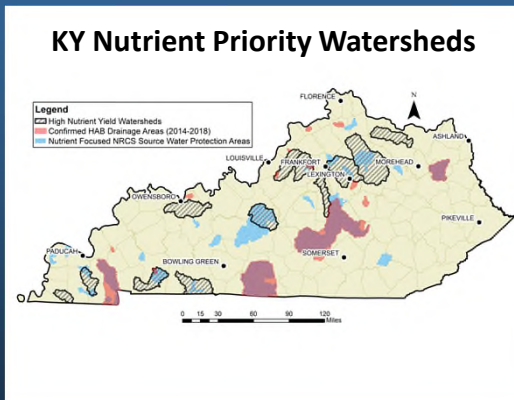
# 2022 Hypoxia Task Force Update

## *Kentucky*



1

## Gulf Hypoxia Program Grant



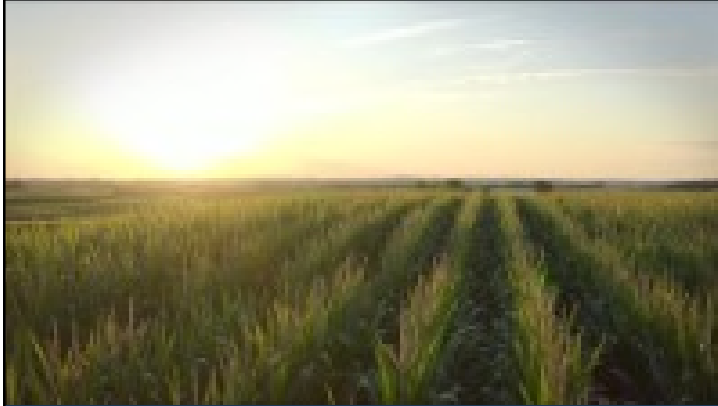
### Focus Areas from KY NRS Update:

- Nutrient Priority Watersheds
- POTW Optimization Program
  - Water-Energy Nexus
- MS4 Program
  - Nutrient-focused Training – Stormwater Quality Management Plans



2

# KY's Ag Water Quality Act



- Over 2,500 plans to date!



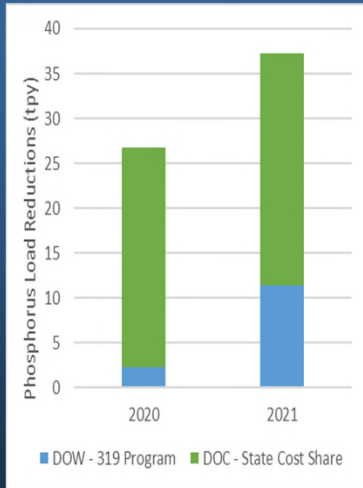
**"The only soil I want to see washed away is under my fingernails."**

Preserving and protecting our land and water resources is all of our responsibility. By developing an Agriculture Water Quality Plan and implementing best management practices, you can protect water quality and promote soil conservation on your farm. The result: a healthier environment for future generations, and a more profitable farm today. To learn how to develop your own ag water quality plan, go to [ec.ky.gov/agwater](http://ec.ky.gov/agwater)

**DEVELOP AN AgWater QUALITY PLAN.**

3

# Agriculture Partnerships



- DOW/DOC Partnership
  - Nutrient Tracking
  - Ag BMP Program
  - Nutrient Management Planning
- DOW & NRCS planning impacted ~432,000 acres in source water watersheds (2020 & 2021)



4

# POTW Optimization Program - Results

12 communities voluntarily participating since 2015

## Partners:

- KY Office of Energy Policy and Development
- KY Division of Compliance Assistance
- KY Division of Water
- KY Division of Enforcement
- KY Rural Water Association
- KY Infrastructure Authority
- University of KY
- University of Memphis
- EPA Region 4



	Lawrenceburg
Energy Cost Savings	\$25,000/yr 16%
Energy Reduction	410,000 kWh/yr 22%
TN Reduction	18,600 lbs/yr 63%
TP Reduction	1,000 lbs/yr 39%
Chemical Cost Savings	\$4,500/yr
Chemical Usage	-30%

5



## Links:

- Nutrient Reduction Strategy [eec.ky.gov/nutrientreduction](http://eec.ky.gov/nutrientreduction)
- Ag. Water Quality Act [eec.ky.gov/agwater](http://eec.ky.gov/agwater)

## Kentucky HTF Team

HTF Member – John Lyons, EEC Deputy Secretary

HTF Coordinating Committee

- John Webb, DOW Assistant Director
- Paulette Akers, DOC Director
- Josiah Frey, Nutrient Reduction Coordinator

SERA-46 – Amanda Gumbert



6