

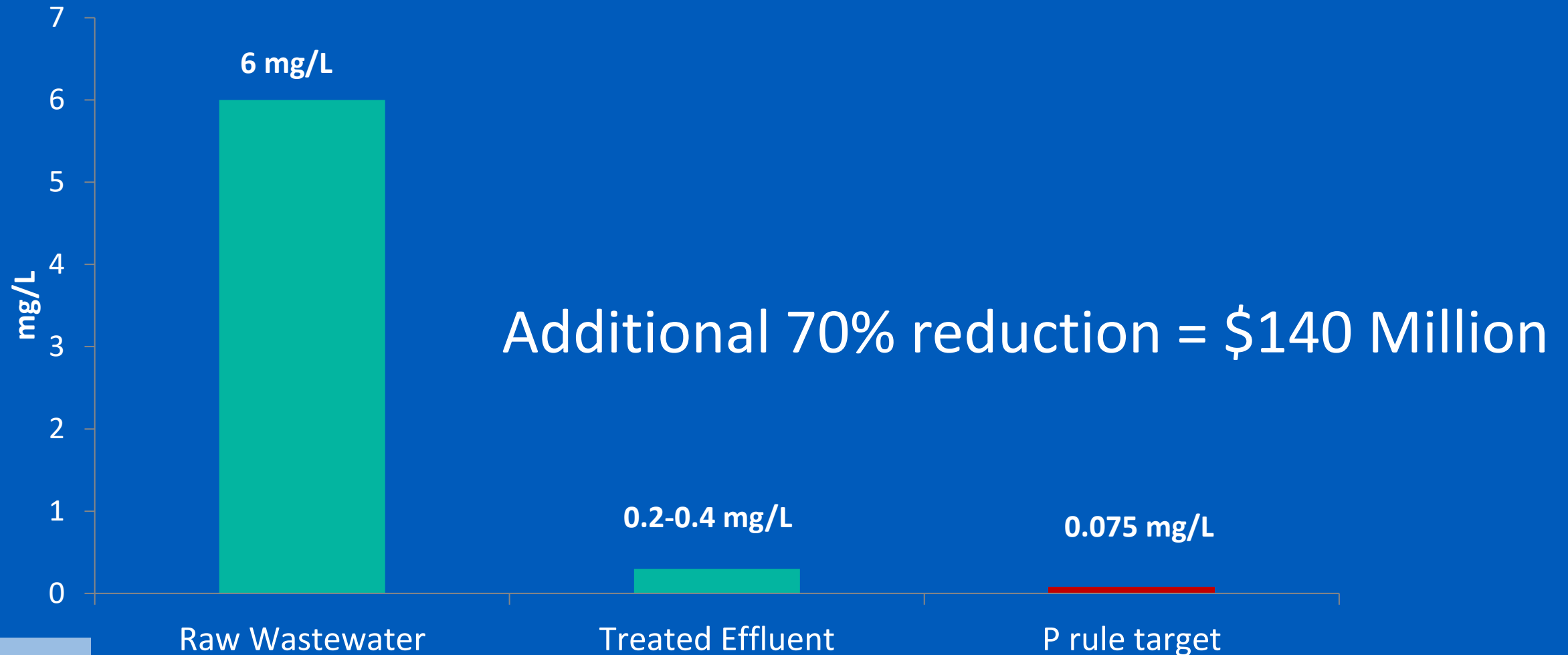


About the District

- Serve more than 435,000 people in 24 communities in 190 square miles
- Own 18 pumping stations and maintains 47 other pumping stations and 150 miles of pipe
- Recover 14 billion gallons of water and 37 million gallons of biosolids yearly
- Operate around the clock, 365 days a year

Phosphorus Reductions Are Necessary

Average Phosphorus Concentrations in Wastewater at Nine Springs Plant



Watershed Opportunity

27%

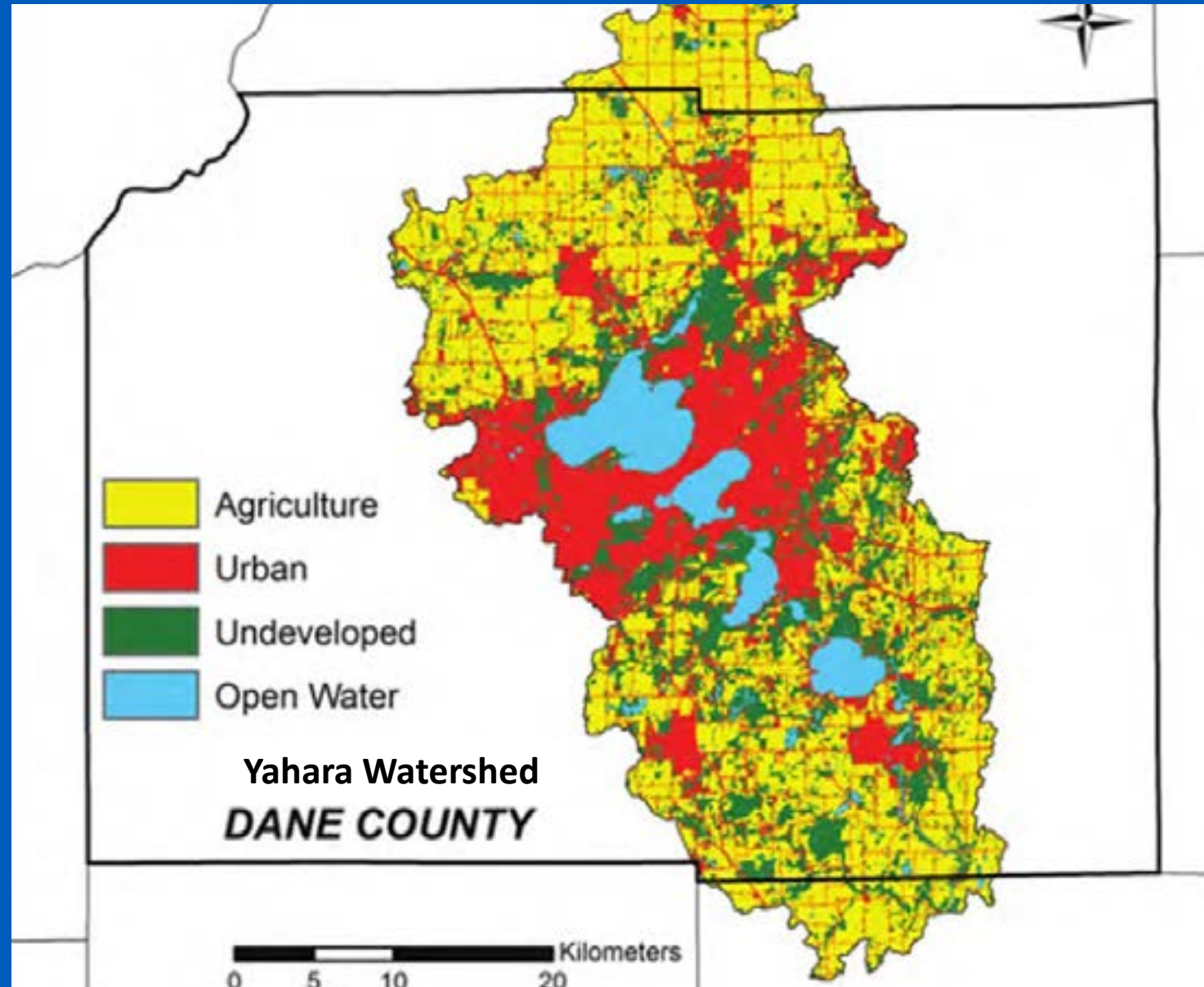
Urban

47%

Cropland

19%

Natural Vegetation



Implementing Partner Highlights

Madison Metropolitan Sewerage District



- 31,217 lbs. of P reduction
- 29,034 acres in cropland conservation
- 78 farmers in their cost share program.
- Leveraged additional \$583,216 for implementation



- 23,218 lbs. of P reduction
- Over 60,000 ac. in Nutrient Management
- Assisted 237 landowners/producers
- Allocated over \$600,000 in cost sharing.



- Small area of the watershed (8%)
- Grassed waterways, harvestable buffers, perennial forage conversion
- Effective partner with fewer opportunities

Partnerships



Partnerships



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Partnerships





Metrogro: Sustainable, Local Fertilizer



The resource cycle



Partner Projects: Municipal

Municipal Biosolids Land Application

Three Year Application Rotation

Soil Test Threshold

Phosphorus Availability Data

Low Disturbance Injection

Over ½ pound per acre reduction in Phosphorus loss

Alternative Biosolids Products



Madison Metropolitan Sewerage District

Partner Projects: Agricultural

Composting Evaluation

Nutrient Availability

Soil Health Impacts

Side by Side Comparison of Mixes

Dairy Manure

Dairy Manure Compost

Biosolids Cake

Biosolids Compost



Extension

UNIVERSITY OF WISCONSIN-MADISON

Madison Metropolitan Sewerage District

