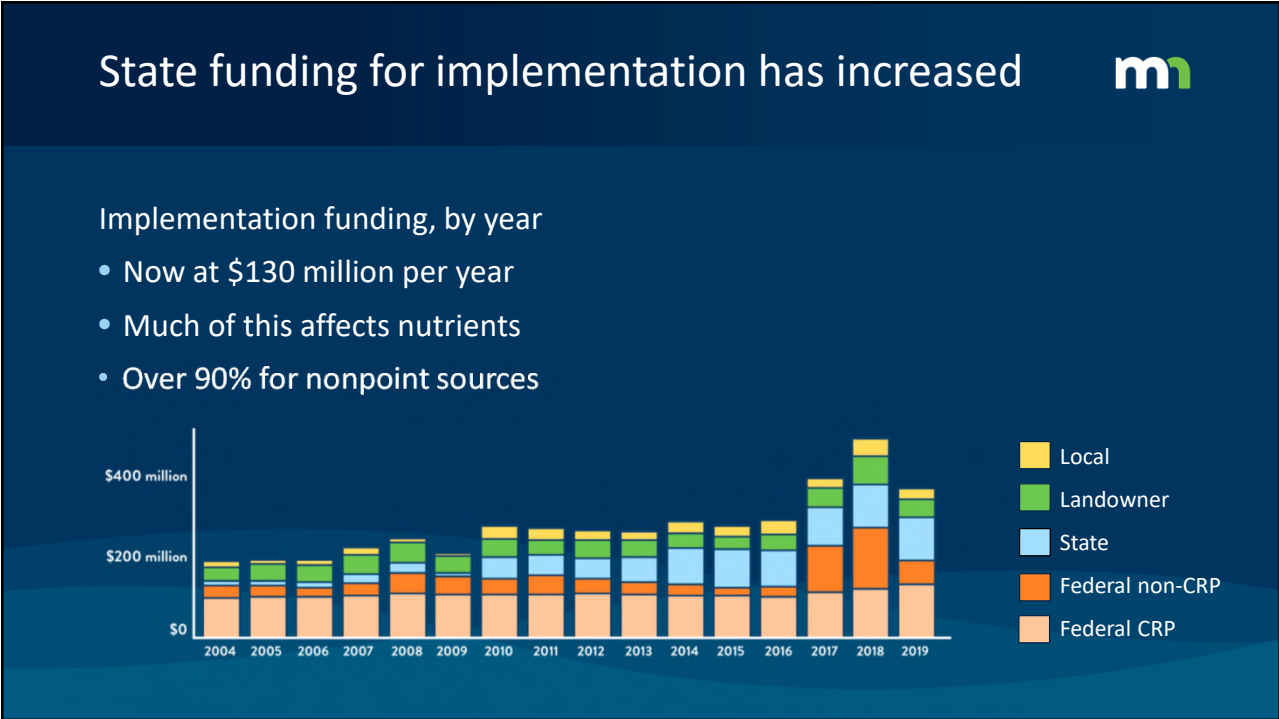




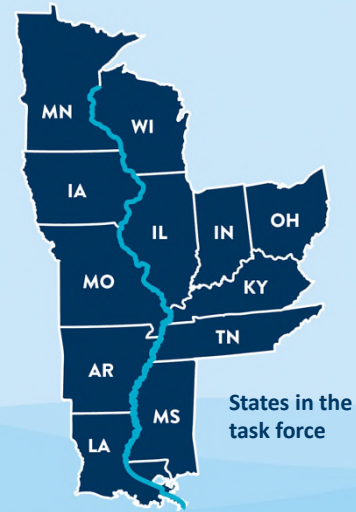
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2

First two-years of EPA funding will address 7 needs

1. Update agricultural best management practices (BMP) science
2. Improve approaches to scale-up BMP adoption
3. Reduce city wastewater nitrogen
4. Update river nutrient load reduction goals
5. Improve local watershed-scale tools & guidance
6. Develop progress tracking metrics/system
7. Revise nutrient reduction strategy for 2025-35



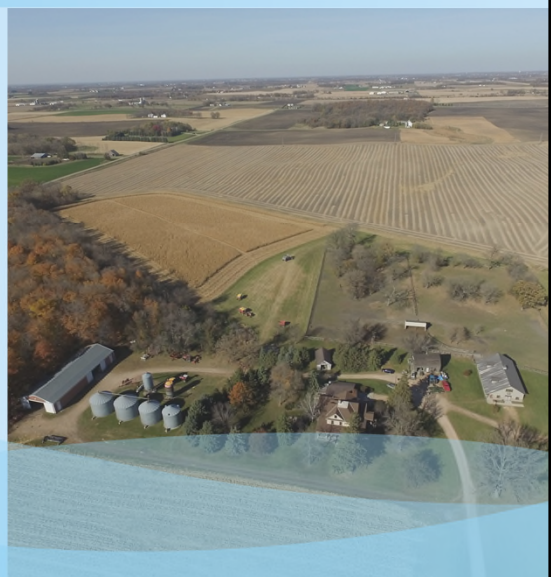
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1. Update agricultural best management practice (BMP) science

- Identify best practices based on up-to-date science.
- Quantify additional BMP needs.
- Develop BMP scenarios for nutrient goals with climate benefits using the 2022 MN Climate Action Framework.



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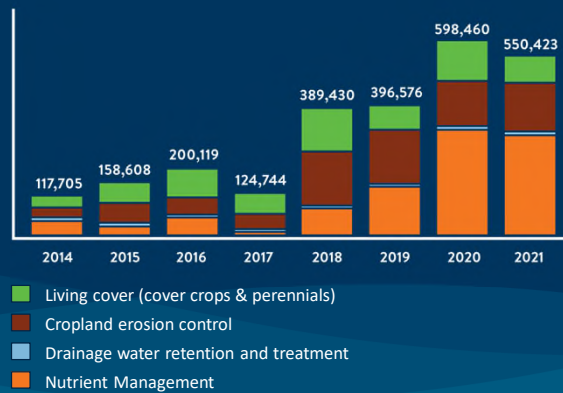
2. Improve approaches to scale-up BMP adoption



- Evaluate social/human dimensions.
- Assess existing programs.
- Consider alternative approaches.
- Seek stakeholder input.

Newly-added BMP acres

Annually completed through government programs

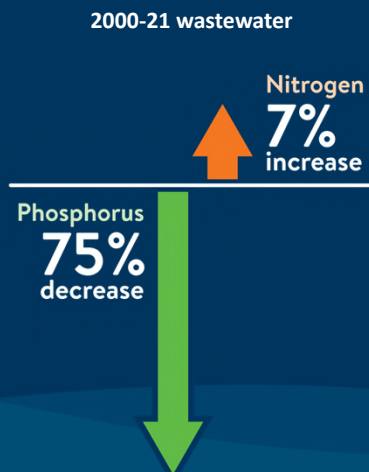


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3. Reduce city wastewater nitrogen



- Identify highest priority facilities for nitrogen reduction.
- Examine successful case studies.
- Pilot efforts to optimize nitrogen (N) & phosphorus (P).



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4. Update river nutrient load reduction goals



- At the state line
- At watershed outlets
- For each source sector
- Adjusting for climate change

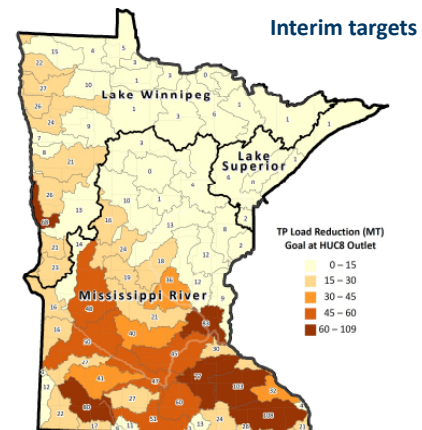


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5. Improve local watershed-scale tools & guidance



- Improve tools for local nutrient planning.
- Guidance to watersheds for meeting downstream targets.

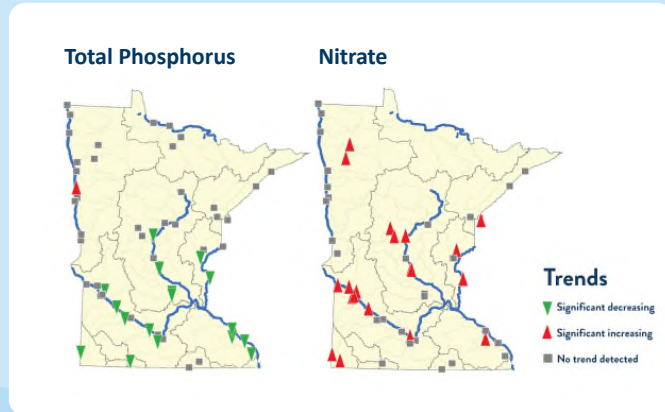


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6. Develop progress tracking metrics & system



- Track program advancements.
- Show trends in water.
- Quantify BMP adoption levels.
- Show remaining load reduction needs.

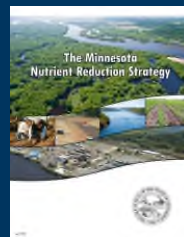


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7. Revising Nutrient Reduction Strategy for 2025-35



- Improved and streamlined strategy for 2025-35.



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Thank you!

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