

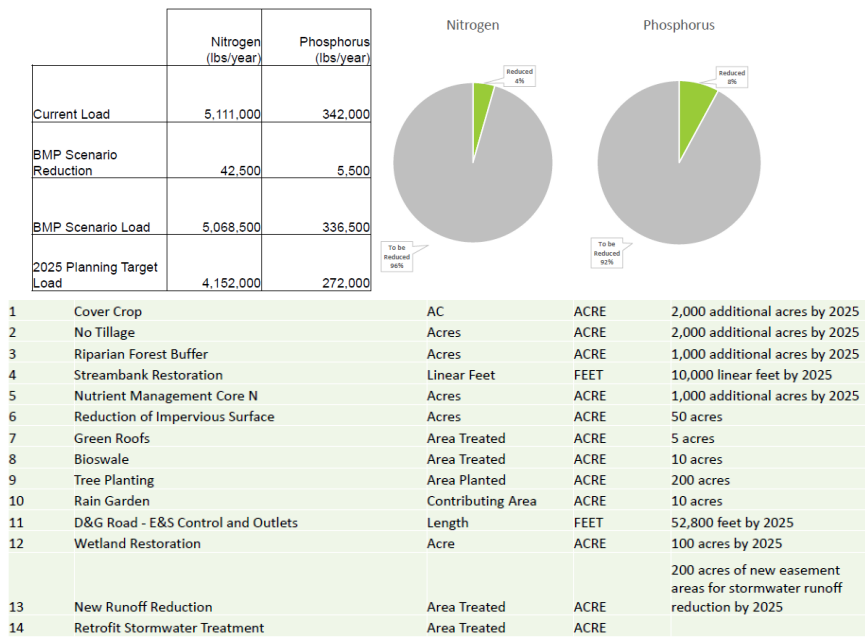
July 29 Stakeholder Updates

CAP updates:

- We did MUCH better in our latest CAST run.** We're up to 41% N (up 925% from 4%), 71% P (up 1,083% from 6%). To achieve these results, we changed our reporting strategy to include more detailed BMPs. For example, instead of just lumping several types of similar BMPs into one category, we split them into more individualized categories. This allowed us to receive more credit in the CAST model as you can see in the following:

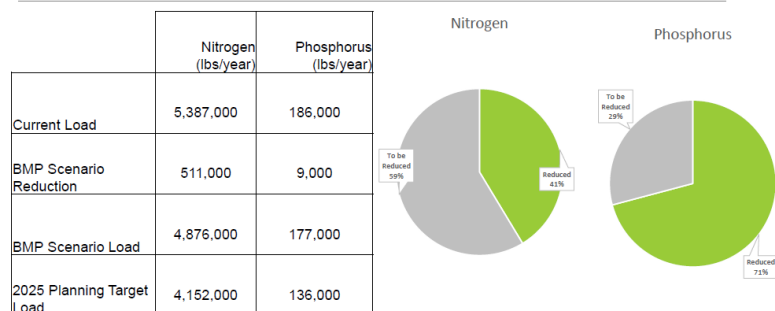
- 1st Run – 4% N, 6% P**

Lycoming County BMP Scenario Reductions



- 2nd Run – 41% N, 71% P**

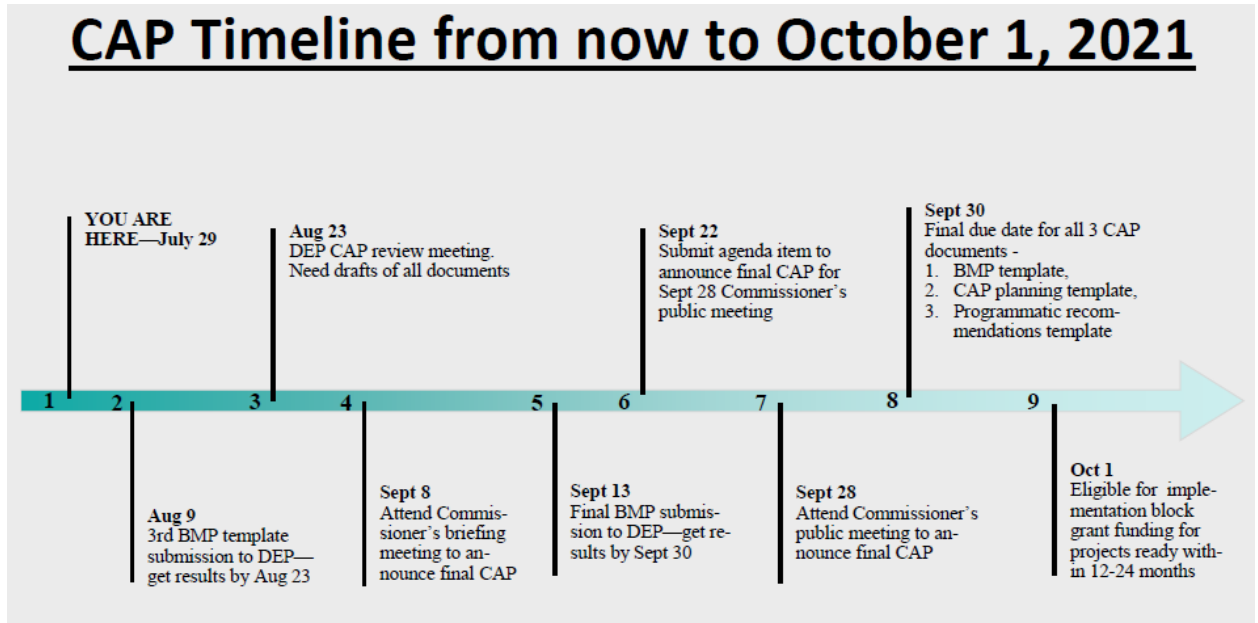
Lycoming County BMP Scenario Reductions



Sector	BMP Name	BMP Quantit	Measurement Unit	New or Total Acres	Notes:
Toolbox BMP Suggestions					
Agriculture	Tillage Management-Conservation	600	acres	New Acres	300 acres/yr increase starting 2023
Agriculture	Nutrient Management Core N	1000	acres	New Acres	1000 new acres by 2025
Agriculture	Nutrient Management N Placement	1000	acres	New Acres	1000 new acres by 2025
Agriculture	Nutrient Management N Rate	1000	acres	New Acres	1000 new acres by 2025
Agriculture	Nutrient Management N Timing	1000	acres	New Acres	1000 new acres by 2025
Agriculture	Nutrient Management Core P	1000	acres	New Acres	1000 new acres by 2025
Agriculture	Nutrient Management P Placement	1000	acres	New Acres	1000 new acres by 2025
Agriculture	Nutrient Management P Rate	1000	acres	New Acres	1000 new acres by 2025
Agriculture	Nutrient Management P Timing	1000	acres	New Acres	1000 new acres by 2025
Agriculture	Cover Crop Traditional Wheat Late Other	8000	acres	New Acres	8000 new acres by 2025
Agriculture	Cover Crop Traditional with Fall Nutrients WH	8000	acres	New Acres	8000 new acres by 2025
Agriculture	Precision Intensive Rotational/Prescribed Gr	2700	acres	New Acres	2700 new acres by 2025
Agriculture	Soil Conservation and Water Quality Plans	21700	acres	New Acres	21700 new acres - appx 200 more management plans will be developed by 2025
Agriculture	Soil Conservation and Water Quality Plans	9200	acres	New Acres	9200 new acres - Ag E&S plans for operations that need them
Agriculture	Land Retirement to Pasture	300	acres	New Acres	Annually achieve up to 300 acres of hay-producing pasture
Agriculture	Grass Buffer	1000	acres	New Acres	Annually achieve up to 1000 acres of non-hay grass buffer
Agriculture	Grass Buffer-Streamside with Exclusion Fenc	300	acres	New Acres	Annually achieve up to 300 acres of non-hay grass buffer
Agriculture	Barnyard Runoff Control	20	acres	New Acres	20 acres by 2025
Agriculture	Agriculture Stormwater Management	40	acres	New Acres	40 acres by 2025
Animals	Animal Waste Management System	10	number of systems	New Systems	10 systems by 2025
Agriculture	Agriculture Stormwater Management	900	acres	New Acres	900 acres by 2025
NRCS Ag Projects					
Agriculture	Agriculture Stormwater Management	11.9	acres	New acres	11.9 acres by 2025 (this is a total of current NRCS projects)
Agriculture	Soil Conservation and Water Quality Plans	1220	acres	New Acres	1220 acres by 2025
Other Ag BMPs					
Agriculture	Forest Buffer	200	acres	New Acres	200 new acres by 2025
Natural	Non Urban Stream Restoration	1000	feet	New Feet	1000 new feet by 2025
Agriculture	Tillage Management-Low Residue	350	acres	New acres	350 acres by 2025
Agriculture	Tree Planting	200	acres	New Acres	200 acres by 2025
Agriculture	Wetland Restoration - Floodplain	150	acres	New Acres	150 acres by 2025
Developed BMPs					
Developed	Conservation Landscaping Practices	50	acres	New Acres	50 acres by 2025
Developed	Dirt & Gravel Road Erosion & Sediment Contr	10	feet	New Feet	10 feet by 2025
Developed	Dirt & Gravel Road Erosion & Sediment Contr	49	feet	New Feet	49 feet by 2025
Developed	Dirt & Gravel Road Erosion & Sediment Contr	1	feet	New Feet	1 foot by 2025
Developed	Impervious Surface Reduction	5	acres	New Acres	5 acres by 2025
Developed	Bioretention/raingardens - C/D soils, under	10	acres	New Acres	10 acres by 2025
Developed	Filter Strip Runoff Reduction	10	acres	New Acres	10 acres by 2025
Developed	Filter Strip Stormwater Treatment	10	acres	New Acres	10 acres by 2025
Developed	Filtering Practices	10	acres	New Acres	10 acres by 2025
Developed	Tree Planting - Canopy	200	acres	New Acres	200 acres by 2025
Developed	Wet Ponds and Wetlands	100	acres	New Acres	100 acres by 2025
Developed	Bioswale	5	acres	New Acres	5 acres of bioswales by 2025
Natural BMPs					
Natural	Wetland Rehabilitation	150	acres	New Acres	150 acres by 2025

- c. Our 3rd CAST run will include additional BMPs in the “Agriculture” sector, “Natural” sector, and “Developed” sector.
2. Based on a recent meeting with DEP, we learned that **we CAN include MS4 projects in our CAP**, which is great news! This means we can incorporate MS4 projects in our BMP template for future CAST runs, and we **can include recommendations to the State for additional resources for MS4 initiatives**.
 - a. MS4 next steps:
 - i. Gather as many MS4 BMPs as possible in the next several weeks to include in our BMP template.
 - ii. Collect your input for additional resources we could include in our Planning template and our Programmatic Recommendations template. These **resource recommendations MUST BE SPECIFIC** and could be requests for money (specific dollar amount), training, outreach and materials, staff, technology, and any other resource that could improve the MS4 program.
 1. Note: ensure a resource recommendation can be tied to potential nutrient reductions.

3. We're coming into our last 2 months of our CAP's planning phase, and will move into our implementation phase in October. Here is a roadmap of our final planning phase milestones:



4. Money moves: We'll be eligible for block implementation grant money for projects ready in the next 12-24 months starting in October.
5. Reminder: Our web page is regularly changing and contains news, updates, stakeholder resources, helpful links, and great pictures and graphics for your viewing pleasure!

Lyco.org/CWAP

