2025 WIP Outcome

Outcome: *By 2025, have all practices and controls installed to achieve the Bay's dissolved oxygen, water clarity/submerged aquatic vegetation and chlorophyll-a standards as articulated in the Chesapeake Bay TMDL document*

2025 WIP Outcome

Science needs:

- Exploration of alternative verification methodologies, including numerical values for credit duration
  - *E.g., Currently being discussed through the partnership's BMP Verification Ad Hoc Action Team*
- Greater understanding and application of social science to address implementation barriers and advance implementation
  - *E.g., Social science strategy under development and other partnership efforts underway (e.g., upcoming STAC workshop on agricultural implementation and social science)*
- Incorporating updated science and data for CAST 2021 and future versions of the model
  - *E.g., CAST 2021 Work Plan in place and guiding current updates*

2025 WIP Outcome

Science needs:

- Incorporation of monitoring and trends data into assessing progress towards outcome
  - *E.g., Continue the work of understanding drivers of trends and monitoring data to inform model updates and implementation targeting*
- Quantification and integration of co-benefits into decision support tools to assist with planning and implementation
  - *E.g., Build off the work completed by Tetra Tech and the Management Board (e.g., Co-benefit fact sheets for the Phase III WIPs)*
- Understanding climate resilient BMPs in Ag, Urban, and Natural sectors
  - *E.g., Climate synthesis underway (via STAC and NOAA) and Tetra Tech climate resiliency report*

2025 WIP Outcome

Science needs:

- Shallow water modeling
  - *In addition, development of water quality criteria appropriate for shallow water*
- Updating partnership's suite of modeling tools for the 2035 climate assessment
  - *Work completed for the 2025 climate assessment and work underway to understand and incorporate 2035 climate effects into modeling tools*