Schedules and Information
Phase III WIPs, Milestones and Progress

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Watershed Technical Workgroup Meeting
April 4, 2019

WTWG
Agenda

- 10:00 AM – Introductions and Announcements – Jeff Sweeney, EPA CBPO

  Decision requested: Approval of March 7 meeting minutes.

- 10:10 AM – Watershed Data Dashboard – Emily Trentacoste, EPA CPBO

  Emily will demonstrate the Watershed Data Dashboard tool. The data dashboard collects monitoring trends, modeling results, projections and explanations into one tool for use in guiding watershed planning and assisting in plan implementation. The Data Dashboard is available here, and the link is available under WQGIT Current Projects.

- 10:50 AM – Ongoing Discussion of Progress Scenarios, Verification and Model Schedule – Jeff Sweeney, EPA CBPO

  Jeff will update the workgroup on the status of the 2018 Progress model scenario and BMP verification + the schedule for WIP3 and data needs for CAST for the next Milestone period.

- 11:30 AM – Adjourn

2018 Progress Scenario
Status

- The final version of 2018 Progress is Version 11, on CAST

- States will be receiving a letter regarding verification – related to the 2018 Progress scenario

- CBPO findings of BMP verification analysis were provided to each jurisdiction who have, in turn, investigated reported implementation levels and responded with either changes to their data or explanations of why BMP trends were illogical

  1) Good, thorough response to verification concerns.

  2) Overall, responded adequately to verification concerns but there are still issues with some BMPs – may not reflect changes in on-the-ground implementation.

  3) There are still verification issues with several BMPs

2019 Progress Scenario
Schedule

- September, 2019:

  Jurisdictions are strongly encouraged to begin submitting their BMP implementation data to NEIEN

- December 2, 2019:

  QA/QC'd final data to be submitted for 2019 Progress scenario

Phase III WIP Data Inputs
Schedule

- April 1, 2019: Deadline for interim BMPs for planning purposes to be added to CAST
- April 1, 2019: Deadline for CBPO work with states to design draft Land Use Policy BMPs
- April 12, 2019: Draft Land Use Policy BMPs added to CAST

Phase III WIP Data Inputs
Schedule

- April 12, 2019: Draft Phase III WIP document and Phase III WIP input decks due to EPA

- April 12 – August 9, 2019: CBPO works with states to design final Land Use Policy BMPs

- April 12 – August 9, 2019: EPA evaluations of draft WIPs and one-on-one with jurisdictions

- August 9, 2019: Final Phase III WIP document and Phase III WIP input decks due to EPA

Milestones
The 'Stopping Rule'

All model data and methods may <u>not</u> be changed during the 2018 – 2019 milestone development and progress reporting time period per PSC decision (7/9/18), <u>with the following exceptions</u>:

- Historic implementation data may be updated in NEIEN
- Permitted, disturbed construction acres for 2018 and 2019
- Permitted harvested forest acres for 2018 and 2019

- Data and BMPs used in the Phase 6 Model are subject to change prior to the beginning of each milestone period per PSC decision (7/9/18); however, changes must be limited in scope so that they do not:
  - o impact modeled runoff during the 1993-1995 critical period; or
  - o alter the base conditions (land uses, septic, animals, etc.) from 1984 through 2013
- Preservation of these estimates will enable the Program to provide a consistent assessment of how new management actions and changes in base conditions have influenced loads over time

2020-2021 Milestones Data Inputs
Schedule

- April 30, 2019: All data from jurisdictions and source sector workgroups that inform modeling changes for the next milestone period must be submitted to CBPO, including:
  - Approved <u>BMP Expert Panel</u> information for any BMP that was not on the ground during the critical modeling period of 1993-1995
  - <u>Animal populations</u> by county (used to distribute statewide animal population estimates where appropriate)
  - <u>Permitted/Non-permitted animal fractions</u> by county
  - <u>Nutrient concentration for animals</u> (minimum of three-year trend needed to alter trend in modeled nutrient concentrations)
  - <u>Manure or litter mass produced per animal</u> (minimum of three-year trend needed to alter trend in modeled manure or litter production)
  - <u>Soil phosphorus data</u> by crop type and county

- June 28, 2019:

  All data from non-jurisdictional sources (e.g., USDA, USGS, US Census Bureau, etc.) that may inform modeling changes for the next milestone period must be submitted/gathered by CBPO:

  - USDA-NASS 2017 Census of Agriculture
  - USDA- NASS annual poultry production data
  - USDA-NASS annual crop yield data
  - AAPFCO fertilizer sales

2020-2021 Milestones Data Inputs
Schedule

- June 1 – September 30, 2019:

  - Draft changes to modeling tools based upon new data are released to workgroups and the WQGIT for consideration, including revised historic progress assessments

  - Workgroups and Water Quality GIT approve changes to the modeling tools based upon the data on a rolling basis

2020-2021 Milestones Data Inputs
Schedule

- November 1, 2019:

  Final changes to modeling tools provided on CAST for use in the 2020-2021 Milestones. Following release of these data, no changes can be made to the modeling tools until October 31, 2021

- January 15, 2020:

  Jurisdictions submit draft 2020-2021 programmatic and numeric milestones to EPA, and progress on the 2018-2019 programmatic milestones

2019 Progress Scenario
Schedule

- September, 2019:

  Jurisdictions are strongly encouraged to begin submitting their BMP implementation data to NEIEN

- December 2, 2019:

  Jurisdictions submit QA/QC'd final 2019 progress data and any updates to BMP Verification Program Plans describing new data sources and changes to methods of tracking

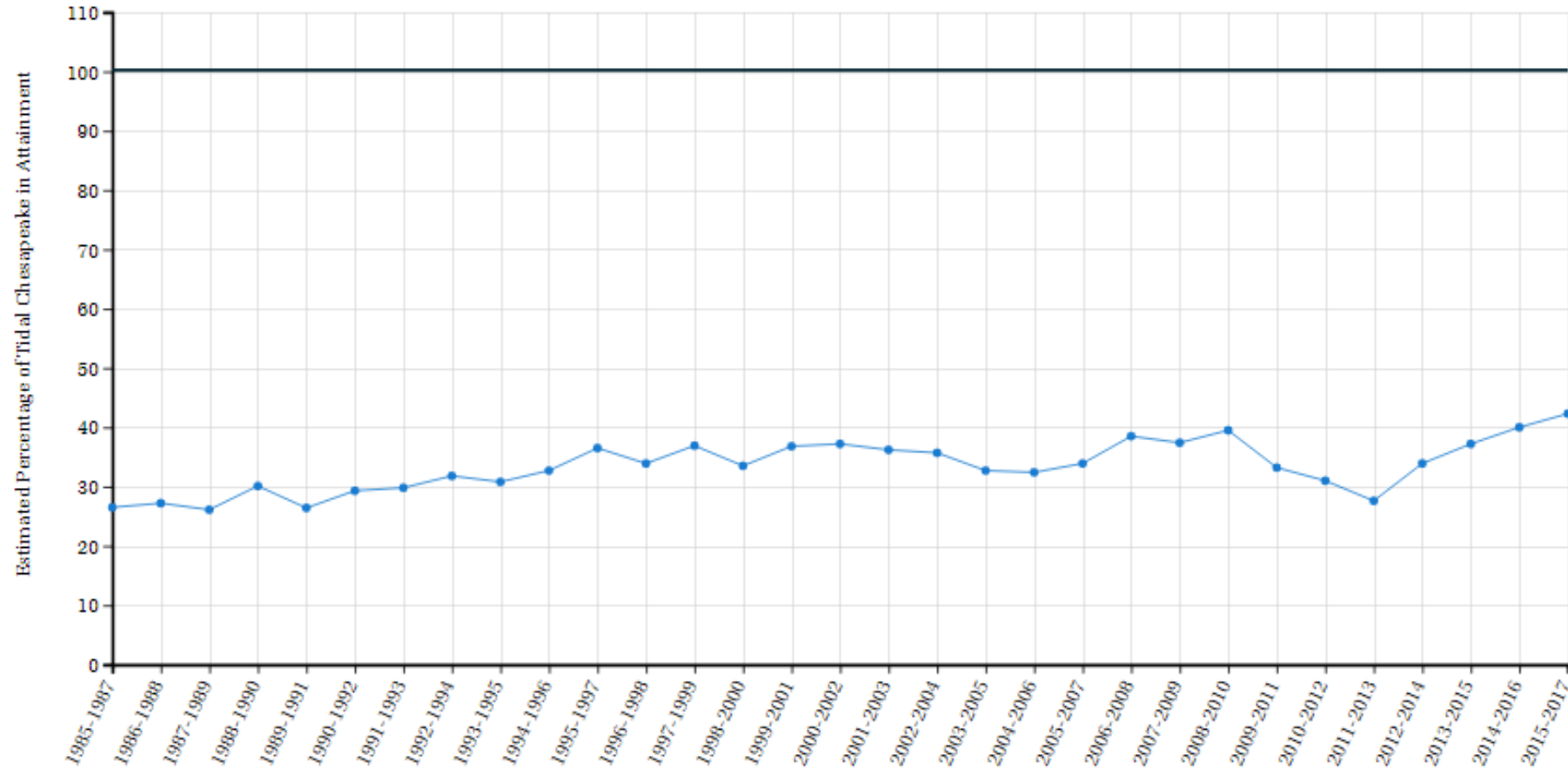# 2019 Progress Scenario
Schedule

- December 2, 2019 – January 31, 2020:

  CBPO and jurisdictions will conduct QA/QC review of 2019 Progress data, including verification

- January 15, 2020:

  Jurisdictions submit progress for 2018-2019 programmatic milestones to EPA

- February 8, 2020:

  CBPO finalizes 2019 Progress model assessment. Jurisdictions finalize BMP Verification Program Plans. QAPPs will then be posted publicly shortly thereafter

Progress and Milestones
Schedule

- There will be two versions of 2019 Progress

  o One to finish 2018-2019 period

  o One to begin 2020-2021 period with new methods and data; historic progress scenarios will be rerun

Water Quality Standards Attainment