

Progress in the Development of the Phase 6 Watershed Model

Modeling Workgroup Conference Call

June 9, 2016

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Chesapeake Bay Program
Science, Restoration, Partnership



2017 Midpoint Assessment Schedule Adjustments

Key Points of Agreement from PSC Document:

- All data inputs (with the exception of Phase 6 land cover/land use data) will be due to the Modeling Workgroup by September 30, 2016.
- Final Phase 6 land cover/land use data will be completed and delivered to the Modeling Workgroup by December 1, 2016.
- Partnership decisions are scheduled to be made in fall/winter 2016 on any additional load reductions needed because of Conowingo infill and climate change based on the draft Phase 6 Watershed Model and Water Quality Sediment Transport Model (WQSTM).



2017 Midpoint Assessment Schedule Adjustments

Key Points of Agreement & Scenarios:

- The Modeling Workgroup needs three months to review the modeling data and run the calibration.
- The Modeling Workgroup will begin the WQSTM calibration with final Phase 6 loads in April 2016, as well as the Chesapeake Bay (CB) hypoxia sensitivity scenarios of nitrogen and phosphorus loads from 16 major CB basins to support allocation decisions.
- The Modeling Workgroup will begin key allocation scenarios of No Action, Limit of Technology, Progress Scenarios, Phase 2 WIPS, etc. in May 2016.



2017 Midpoint Assessment Schedule Adjustments

Scenarios:

- By July 2016, the Modeling Workgroup will be able to implement a simulation system for Conowingo, including nutrient processing, high storm events, and changes in deposition as infill occurs. Linkages to the WQSTM will be made and scenarios will be available for early policy decisions in fall 2016. The Modeling team will also be able to generate climate change analyses by fall 2016 to inform early policy decisions within that same timeframe.
- The Modeling Workgroup will begin running sensitivity scenarios in April 2016 and scoping scenarios such as the ones listed above in July 2016.



2017 Midpoint Assessment Schedule Adjustments

Deliverable	Original Schedule/Deadline	Revised Schedule/Deadline
All Phase 6 data inputs due (except land use)	September 30, 2016	September 30, 2016
Rolling local review of the Phase 6 land use data	Late spring/summer 2016	October-early Nov 2016
Final Phase 6 land use dataset due	September 30, 2016	December 1, 2016
EPA releases draft ³ expectations for Phase III WIPs	January 2017	January 2017
Final calibration of Phase 6 Model	October – December 2016	January – March 2017
Final recommendations on approaches for local area targets	March 2017	March 2017
Partnership fatal-flaw review of final Phase 6 Model	N/A	March-May 2017
EPA releases final expectations for Phase III WIPs	June 2017	April 2017
Release of final Phase 6 Model	January 2017	June 2017
EPA releases draft ⁴ Phase III WIP Planning Targets	Spring 2017	June 2017
EPA releases final Phase III WIP Planning Targets	December 2017	December 2017
Draft Phase III WIPs due to EPA	June 2018	August 2018
EPA feedback on draft Phase III WIPs	Had not been determined	October 2018
Final Phase III WIPs due to EPA	December 2018	December 2018



Modeling WG 2016 Schedule

- Beta 2 webinar in June, TBD.
- August 9-10, 2016 Quarterly Review and Beta 3 release.
- September 30, 2016 All P6 inputs in except for LU/LC.
- October 4-5, 2016 Quarterly Review – getting ready for the WQGIT F2F later in October.
- October 24-25, 2016 WQGIT Meeting.
- December 1, 2016. P6 LU/LC data complete and ready for Scenario Builder operations.
- December 6-7, 2016 Quarterly Review and Beta 4 release (with September inputs included).



Modeling WG 2016 Schedule

- Summer 2016, STAC peer review of Phase 6 WSM. (P6 documentation being sent out, reviewers being selected, review questions being finalized.)
- Fall 2016, STAC peer review of WQSTM.
- January 10-11, 2017 Quarterly Review “Get ready-get set...”



GIT Projects Process for Project Funding and Request for Ideas – Interested in Projects of Immediate and Material Interest to the Mod WG

- This solicitation is focused on projects that remove barriers limiting accomplishment of Management Strategies/Work Plans. This funding is not intended to support implementation of large-scale restoration, protection, or stewardship projects; rather, it is intended to support tools or analyses that will make restoration, protection, and stewardship easier in the future.
- Who is eligible to participate?
Members of Goal Implementation Teams (GITs) and GIT work groups
- Deadline: July 15, 2016