

Midpoint Assessment Outlook Calendars for the Chesapeake Bay Program Partnership

| Timeframe | Partnership Group | Briefing/Decision |
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| June 2015 | WQGIT | BRIEFING: Briefing on recommendations from the Building Environmental Intelligence Report (formerly BASIN) |
| | | DECISION: Approval of federal facility targets proposal |
| | | BRIEFING: Overview of upcoming STAC Peer Reviews |
| | | BRIEFING: Status update on the Phase 5.3.2 Nutrient Management BMP Panel Report |
| | | BRIEFING: Update on Water Quality Criteria Technical Addendum |
| July 2015 | WQGIT | DECISION: Approval of BMP Protocol revisions |
| | | Status of historical data cleanup efforts |
| | | Presentation of jurisdictions' draft verification programs |
| August 2015 | WQGIT | BRIEFING: Phase 6 calibration methodology. This will be a Modeling WG presentation (by Lee) on the Phase 6 Model process and what the Modeling WG will be doing with Phase 6 during the 2015 build year in order to have a fully operational model ready by the end 2015 followed by a 2016 review by the WQGIT. |

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| September 2015 | WQGIT | DECISION: Proposed Phase 6 land use categories & loading targets. This will be the same land use and targets presentation that will be made to the Land Use WG and other key CBP work groups in August. |
| | | DEADLINE: Historical BMP data cleanup complete |
| | | BRIEFING: Status review of Phase 6 BMP Panels |
| | | BRIEFING: Presentation of the draft report of the Phase III WIP stakeholder assessment |
| | | DECISION: Revised Phase 5.3.2 Nutrient Management Expert Panel recommendations and a preview of how the partnership will address nutrient management in the Phase 6 watershed model |
| | | BRIEFING: Status of Agricultural Modeling Subcommittee's midpoint assessment priorities (Sept) |
| | | BRIEFING: Presentation of Water Quality Criteria Technical Addendum & STAC review |
| October 2015 | WQGIT | BRIEFING: Reservoir refinements in Phase 6. |
| | | DEADLINE: OCTOBER 1, 2015 DEADLINE for Final data inputs for the initial calibration of the Phase 6 Watershed Model. |
| November 2015 | WQGIT | |
| | | BRIEFING: Findings and implications from Virginia's James River chlorophyll-a criteria re-evaluation |
| | | BRIEFING: Informational briefing on setting Phase III WIPs on proposed 2025 land use projections |
| | | BRIEFING: Overview of planned systematic review and "early management exercising" of the full suite of Bay Program partnership models during 2016. This is specifically a briefing |

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| | | on how the Modeling WG proposes to conduct the review of the CBP Models in 2016 along with the 2016 STAC peer reviews of the models and STAC workshops related to CBP modeling including workshops on Conowingo and the simulation of climate change in the Chesapeake watershed and tidal Bay. |
| Fall 2015 | Management Board & PSC | BRIEFING: Preliminary findings and program management implications from ongoing work on explaining the observed long term trends at Bay watershed and tidal Bay water quality monitoring stations |
| | | BRIEFING: Status of BMP Expert Panels for Phase 6 Watershed Model |
| | | BRIEFING: Presentation of findings from the Phase III WIP stakeholder assessment |
| | | BRIEFING: Phase 6 calibration methodology. This will be a Modeling WG presentation (by Lee) on the Phase 6 Model process and what the Modeling WG will be doing with Phase 6 during the 2015 build year in order to have a fully operational model ready by the end 2015 followed by a 2016 review by the WQGIT. (September) |
| | | BRIEFING: Overview of planned systematic review and “early management exercising” of the full suite of Bay Program partnership models during 2016. This is specifically a briefing on how the Modeling WG proposes to conduct the review of the CBP Models in 2016 along with the 2016 STAC peer reviews of the models and STAC workshops related to CBP modeling including workshops on Conowingo and the simulation of climate change in the Chesapeake watershed and tidal Bay. |
| | | BRIEFING: Proposed representation of federal lands in the Phase 6 Watershed Model and supporting tools |
| December 2015 (F2F Meeting) | WQGIT | BRIEFING: Very preliminary findings on the Bay and watershed effects of and the midpoint assessment implications from climate change. This briefing will be on the findings to date from an initial assessment of climate change by the CBP models. There will be a STAC workshop on climate change sometime around January 2016 which will examine overall inputs and outcomes of a complete CBP climate change analysis. |

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| | | BRIEFING: Presentation of the final Lower Susquehanna River Watershed Assessment along with early findings of the ongoing research and monitoring of Conowingo high flow loads. |
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| Winter 2016 | Management Board & PSC | BRIEFING: Information briefing on setting Phase III WIPs on proposed 2025 land use projection |
| | | BRIEFING: Findings and implications from Virginia's James River chlorophyll-a criteria re-evaluation |
| | | BRIEFING: Very preliminary findings on the Bay and watershed effects of and the midpoint assessment implications from climate change. This briefing will be done after the STAC January climate change workshop which will examine overall inputs and recommended outcomes of a complete CBP climate change analysis. |
| | | BRIEFING: Formal report out on EPA's review/approval of each jurisdiction's verification program |
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| January 2016 | WQGIT | January 2016 - Review process of the Phase 6 and WQSTM begins. The early review request of the Modeling WG will be for fatal errors, overall model structure, model processes, and model data compared to observations in detail. The Modeling WG goal is to deliver the CBP models "as good as, or better" than what was available in 2010 for the TMDL development. (WQSTM refinements include an improved simulation of Conowingo inputs, improved shallow water simulation, a representation of sea level rise and wetland loss, and a simulation of oyster aquaculture and sanctuary influences on Chesapeake water quality. Phase 5 refinements are to rainfall and land use inputs, as well as a multiple model approach to nutrient simulation) |
| | | BRIEFING: Presentation of the initial WQSTM calibration for 2016 Review. Modeling WG approval of final WQSTM calibration at the January 2016 Quarterly Review. The WQGIT briefing on the WQSTM may need to be moved to February or March 2016 if an extensive recalibration of the WQSTM is needed with the final Phase 6 loads. |

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| | | We need the 1991-2000 base case calibration of the WQSTM as soon as we can get it in January 2016 to provide for the “scenarioed data” approach used for water quality standard assessments. |
| | | BRIEFING: updated findings and program management implications from ongoing work on explaining the observed long term trends at Bay watershed and tidal Bay water quality monitoring stations |
| | | BRIEFING: Planned follow up analyses and evaluations over the coming six months using preliminary calibrated partnership models – implications for policy decision making in 2017/2018 |
| | | DECISION: Confirm allocation methodology for use in Phase III WIPs |
| | | BRIEFING: Findings and recommendations from the BASIN III review of the partnership’s monitoring needs to track and report on progress towards the 2014 Bay watershed outcomes |
| February 2016 | WQGIT | BRIEFING: Presentation of the operational Phase 6 Watershed Model calibration for 2016 Review. |
| | | MODELING NOTE: STAC peer review of Phase 6 Model begins in February 2016. |
| May 2016 | WQGIT | BRIEFING/ DEADLINE: All local data must be submitted; briefing on data collected (May). Final fine-scale land use is available for incorporation into the Phase 6 Model. |
| | | BRIEFING: CBP model assessments of the new research and monitoring findings to support final decisions on Conowingo infill. |
| | | MODELING NOTE: STAC workshop reviewing the CBP Conowingo modeling approach with the linked Phase 6 and WQSTM models begins in May 2016. This follows the development of the initial Conowingo analysis with all CBP models during March-April 2016. |
| | | DECISION: Setting Phase III WIPs on proposed 2025 land use projections |

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| | | BRIEFING: Initial findings from draft model ranging scenarios through the full suite of the preliminary calibrated partnership models – airshed, watershed, and Bay water quality/sediment transport. (All initial key CBP scenarios are available for review at the April 2016 Modeling WG Quarterly Review. Key scenarios from the linked Phase 6 – WQSTM models include scenarios of No Action (2010), All Forest, 1985 Progress, 2009 Progress, 2014 Progress, and Phase II WIPs. The collection of key scenarios will assist CBP model review of linked model behavior at high and low extremes of nutrient and sediment loads, as well with key point of nutrient /sediment loading between the low and high load extremes. Also, in the April Quarterly the Modeling WG will report out any CBP model changes resulting from the January 2016 review comments.) |
| June 2016 | WQGIT | DECISION: Possible uncertainty analysis for Phase 6 Watershed Model begins. This follows after a STAC workshop on model uncertainty to be held in Spring 2016. |
| | | MODELING NOTE: STAC peer review of WQSTM begins in June 2016. |
| August 2016 | WQGIT | BRIEFING: Update from July Modeling WG Quarterly Review –Report out any additional CBP model changes from review Comments. |
| | | BRIEFING: Analysis of oyster aquaculture and sanctuaries influence on Chesapeake water quality in Summer 2016. |
| | | BRIEFING: James chlorophyll analysis by CBP models in Summer 2016. |
| | | MODELING NOTE: STAC review of the CBP climate change modeling approach with the linked Phase 6 and WQSTM models begins in August 2016. The review will be of the representation of air and water temperatures, atmospheric deposition, changes in watershed loads from different precipitation volumes and intensities, sea level rise, and tidal wetland loss. This follows the development of the initial climate change analysis with all CBP models during June-July 2016. |
| October 2016 | WQGIT | DEADLINE: OCTOBER 1, 2016 DEADLINE for ALL FINAL data inputs to Phase 6 Watershed Model for final calibration. |
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| Spring 2016 | Management Board & PSC | BRIEFING: Updated findings and program management implications from ongoing work on explaining the observed long term trends at Bay watershed and tidal Bay water quality monitoring stations |
| | | BRIEFING: Initial findings from draft model ranging scenarios through the full suite of the preliminary calibrated partnership models – airshed, watershed, Bay water quality/sediment transport. This follows the April Modeling WG Quarterly Review and the WQGIT brief on the same topic. |
| | | BRIEFING: Planned follow up analyses and evaluations over the coming six months using preliminary calibrated partnership models – implications for policy decision making in 2017/2018 |
| | | DECISION: Setting Phase III WIPs on proposed 2025 land use projections |
| Summer 2016 | Management Board & PSC | BRIEFING: Findings and recommendations from the BASIN III review of the partnership's monitoring needs to track and report on progress towards the 2014 Bay watershed outcomes |
| | | BRIEFING: Preliminary updated assessment of Conowingo Dam and Reservoir and the additional nutrient and sediment loads being delivered to the Bay in July 2016. This follows the STAC workshop reviewing the CBP Conowingo modeling approach with the linked Phase 6 and WQSTM models in May 2016 as well as the development of the initial Conowingo analysis with all CBP models during March-April 2016. |
| | | BRIEFING: Status of local land use data collected and incorporated into the Phase 6 suite of modeling tools |
| | | DECISION: Confirm allocation methodology for use in Phase III WIPs |
| September 2016 | WQGIT | BRIEFING: Partnership comments on Phase 6 modeling tools |
| | | DECISION: Approval of updates to the Phase 6 land use database |

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| October 2016 | WQGIT | BRIEFING: EPA presents preliminary expectations and seeks initial input from WQGIT and workgroups on expectations for Phase III WIPs |
| November 2016 | WQGIT | DECISION: Climate change assessment findings and implications |
| | | DECISION: Final assessment of Conowingo Dam and Reservoir and implications for achievement of the jurisdictions' Chesapeake Bay water quality standards |
| | | BRIEFING: Updated findings and program management implications from ongoing work on explaining the observed long term trends at Bay watershed and tidal Bay water quality monitoring areas |
| Fall 2016 | Management Board & PSC | BRIEFING: Findings from the in-depth evaluations of the partnership's suite of models and initial recommendations regarding management application in 2017 |
| December 2016/January 2017 | WQGIT | BRIEFING: All Phase 6 models final; presentation of modeling tools and recommendations regarding management application in 2017 |
| Winter 2017 | Management Board & PSC | BRIEFING: EPA presentation on preliminary expectations for Phase III WIPs and input from MB and PSC |
| | | DECISION: Climate change assessment findings and implications |
| | | DECISION: Final assessment of Conowingo Dam and Reservoir and implications for achievement of the jurisdictions' Chesapeake Bay water quality standards |
| | | DECISION: All Phase 6 models final; presentation of modeling tools and final recommendations regarding management application in 2017 |

Commented [PL1]: Lew, will this and climate change be ready for GIT decision in Nov 2016?

Commented [LL2R1]: Yes, I think so.

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| | | BRIEFING: Updated findings and program management implications from ongoing work on explaining the observed long term trends at Bay watershed and tidal Bay water quality monitoring areas |
| March/April 2017 | WQGIT | BRIEFING: Draft Phase III WIP planning targets |
| | | BRIEFING: Presentation of Virginia's final James River chlorophyll-a criteria |
| | | BRIEFING: EPA presents updated expectations and final input from WQGIT on Phase III WIP |
| Spring 2017 | Management Board & PSC | BRIEFING: EPA presentation of revised draft expectations for Phase III WIPs and final input from MB and PSC |
| | | BRIEFING: Presentation of Virginia's final James River chlorophyll-a criteria |
| | | BRIEFING: Draft Phase III WIP planning targets |
| Summer 2017 | WQGIT, Management Board, & PSC | BRIEFING: EPA presentation of final expectations for Phase III WIPs |
| | | BRIEFING: Revised draft Phase III WIP planning targets |
| Fall 2017 | WQGIT, Management Board, & PSC | BRIEFING: Updated findings from work on explaining the observed long term trends at Bay watershed and tidal Bay water quality monitoring stations and implications for the jurisdictions' Phase III WIPs |
| | | BRIEFING: Revised final draft Phase III WIP planning targets |
| December 2017 | WQGIT, Management Board, & PSC | BRIEFING: Presentation of final Phase III WIP planning targets |

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Key Midpoint Assessment Dates Post-2017

- January 2018: 2018-2019 milestones due
- Spring 2018: EPA completes evaluation of whether states/DC met “60% by 2017” goal
- June 2018: draft Phase III WIPs due
- December 2018: final Phase III WIPs due
- 2019: Possible modifications to Bay TMDL to address Phase III WIPs, midpoint assessment findings, and any other factors
- January 2020: 2020-2021 milestones due
- January 2022: 2022-2023 milestones due
- January 2024: 2024-2025 milestones due
- December 2025: Partnership deadline to have all practice in place to achieve applicable water quality standards in Bay and tidal tributaries