

Attachment A: Chesapeake Bay Program Partnership's Phase 6 BMP Expert Panel Scheduling and Modeling Considerations

The Chesapeake Bay Program (CBP) Partnership currently has 17 BMP expert panels underway to inform the calibration of the Phase 6 suite of modeling and decision support tools. Each of these Expert Panels was identified by the Water Quality Goal Implementation Team's (WQGIT) Source Sector Workgroups as priority Expert Panels for inclusion in the Phase 6 suite of modeling tools. However, some of the Expert Panels are experiencing delays in either producing a draft report for Partnership review or delays are incurred during the Partnership review and approval process. Therefore, it is necessary to understand which of these Phase 6 Expert Panels need to be completed by September 30, 2016 in order to meet the final Phase 6 calibration deadline, or those Panels that can be deferred until after the Phase 6 modeling tools are complete.

BMP Panel Name	Sponsoring Workgroup	Workgroup/WTWG Approval Date	WQGIT Approval Date
Manure Treatment Technologies Modeling Note: New BMP – can be incorporated after the final Phase 6 calibration in 2017.	Agriculture WG	July 2016 AgWG Approved Report – July 20, 2016 Will seek WTWG approval on September 1, 2016	September 26, 2016
Advanced Onsite Systems (Attenuation), Part 2 Modeling Note: Impacts calibration – Panel report needs to be approved by the September 30 th deadline.	Wastewater WG	September 2016	N/A – final approval by Modeling Workgroup
Oyster Restoration/Aquaculture Modeling Note: New BMP – can be incorporated after the final Phase 6 calibration in 2017.	N/A	N/A	November 2016
Urban Tree Canopy Modeling Note: BMP already programmed into the Phase 6 modeling tools. If the September 30 th deadline is missed, existing efficiencies can be used. If the panel recommends a different simulation than what is currently captured in the tools, the report would need to be approved by the September 30 th deadline.	Forestry WG	Approved (with contingency of Tier-2 BMP for Urban Forest Planting) by FWG June 23, 2016 Will seek WTWG approval on September 1, 2016	September 12, 2016

Floating Wetlands Modeling Note: New BMP – can be incorporated after the final Phase 6 calibration in 2017.	Urban Stormwater WG	Approved by USWG on July 26, 2016	August 2016
Impervious Disconnection Modeling Note: New BMP – can be incorporated after the final Phase 6 calibration in 2017.	Urban Stormwater WG	September 2016	TBD
Phase 6 Conservation Tillage Modeling Note: BMP already programmed into the modeling tools; it's just a matter of receiving the updated efficiencies. The Panel report would need to be approved by the September 30 th deadline.	Agriculture WG	AgWG Proposed Report Decision – September 22, 2016. Will need concurrent decision from WTWG.	September 26, 2016
Manure Injection/Manure Incorporation Modeling Note: Modeling team will determine if this BMP is already included in the Phase 6 modeling schema. It has not yet been built into NEIEN. If BMP data is already captured into the existing calibration model, then the Panel report would need to be approved by the September 30 th deadline.	Agriculture WG	AgWG Proposed Report Decision – September 22, 2016. Will need concurrent decision from WTWG.	September 26, 2016
Phase 6 Cover Crops Modeling Note: Most of the historical BMP data have been reported, but the panel may change the definition and efficiencies of cover crops. If that is the case, the Panel report would need to be approved by the September 30 th deadline.	Agriculture WG	AgWG Proposed Report Decision – September 22, 2016. Will need concurrent decision from WTWG.	September 26, 2016
Phase 6 Nutrient Management Modeling Note: Impacts calibration – Panel report needs to be approved by the September 30 th deadline.	Agriculture WG	AgWG Proposed Report Decision – September 7, 2016. Will need concurrent decision from WTWG.	September 12, 2016
Advanced Onsite Systems (drip dispersal and peat treatment w/ dispersal to pad), Part III	Wastewater WG	August 2016	September 2016

Modeling Note: New BMPs – can be incorporated after the Phase 6 model calibration in 2017.			
Boat Pump-Out Modeling Note: Panel report needs to be approved by the September 30 th deadline in order to inform the final calibration of the Water Quality Sediment Transport Model.	Wastewater WG	August 2016	September 2016
Animal Waste Storage Systems Modeling Note: Impacts calibration – Panel report needs to be approved by the September 30 th deadline.	Agriculture WG	AgWG Proposed Report Decision – Targeting September for the release of the report for the Partnership’s 30-day review period. Panel will work to provide draft efficiencies to the modelers for the October calibration.	TBD
Agricultural Ditch (NRCS BMPs) Modeling Note: New BMP – can be incorporated after the final Phase 6 calibration in 2017.	Agriculture WG	AgWG Report Decision - TBD	TBD
Wetlands Modeling Note: Panel report needs to be approved by the September 30 th deadline in order to inform the calibration of the Phase 6 Watershed Model, given the existence of Wetland Restoration in BMP calibration history. No additional changes to land uses will be proposed in the panel’s report beyond what the partnership approved in Fall 2015.	Wetlands GIT	September 2016. Will likely need concurrent review and approval by the Wetlands Workroup and the WTWG.	September 2016 – most likely the September 26 call.
Cropland Irrigation Management Modeling Note: This BMP has the potential to impact a significant amount of acres in the final Phase 6 Watershed Model calibration; therefore, the Panel report needs to be approved by the September 30 th deadline. This BMP could perhaps be incorporated into one of the Nutrient Management panel’s efficiency BMPs.	Agriculture WG	AgWG Report Decision - TBD	Targeting December 2016

Ag Stormwater Structures Modeling Note: New BMP – can be incorporated after the final Phase 6 calibration in 2017.	Agriculture WG	AgWG Report Decision - TBD	Targeting December 2016
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