



Policy and Technical Advisory Committee (PTAC)

November 28, 2017



EPS 1101317

Purpose of the PTAC

- To provide **technical advice** regarding model development, calibration and validation, including possible access to datasets that may be used in the process.
- To provide input regarding the **communication of research findings** and uncertainty associated with them.
- To provide **advice about possible scenarios** to be generated and tested from the BREE Integrated Assessment Model (IAM), as well as the land use, hydrology, climate, governance and economic models that are to be wrapped into it.
- To provide advice about the **development of actionable, decision-support tools to inform water quality** in the face of changing frequencies and intensities of extreme events in the study areas.

Brief context:

- We'll convene the PTAC twice a year (spring and fall)
- This is the first meeting to establish a baseline
- At the end of the day we will about questions you'd like answered, lines of inquiry and/or modeling ideas to pursue, best formats for informational exchange and dialogue work best for you.
- Next meeting will be in the fall of 2017
- VPT

What we're going to be doing

- Welcomes and introductions, agenda overview
- Drivers of blooms in Missisquoi and St. Albans- review of 2017 bloom season
- Climate change and eutrophication in shallow Missisquoi bay
- Effects of changes in climatic extremes on shallow bays
- Thresholds and hysteresis across watersheds
- A group activity on the identification of extreme events, thresholds, regime shifts and resilient scenarios
- LUNCH
- International Joint Commission presentation
- Data collection & analysis plans and progress
 - Sensors
 - Municipal survey
- Model updates
 - Macroeconomic modeling
 - Land Use Change Modeling
 - Governance Modeling
- Open-ended Discussion

