2018 APNEP Program Evaluation by EPA

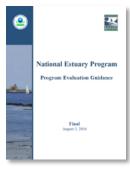
Core Element: Ecosystem Status and Trends

- Need for Monitoring and Assessment
 - Monitoring plan requested by EPA since 2002
 - Indicator development efforts ongoing since 2004
 - 2012 Ecosystem Assessment accompanied new CCMP
 - Monitoring occurred through SAV mapping and sampling intensification of the National Coastal Condition Assessment
 - MAT process since 2017 that includes STAC members
 - EPA encourages APNEP to continue leveraging support from state and federal partners to prioritize limited resources and strategize monitoring efforts over APNEP's large program area

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Challenges:

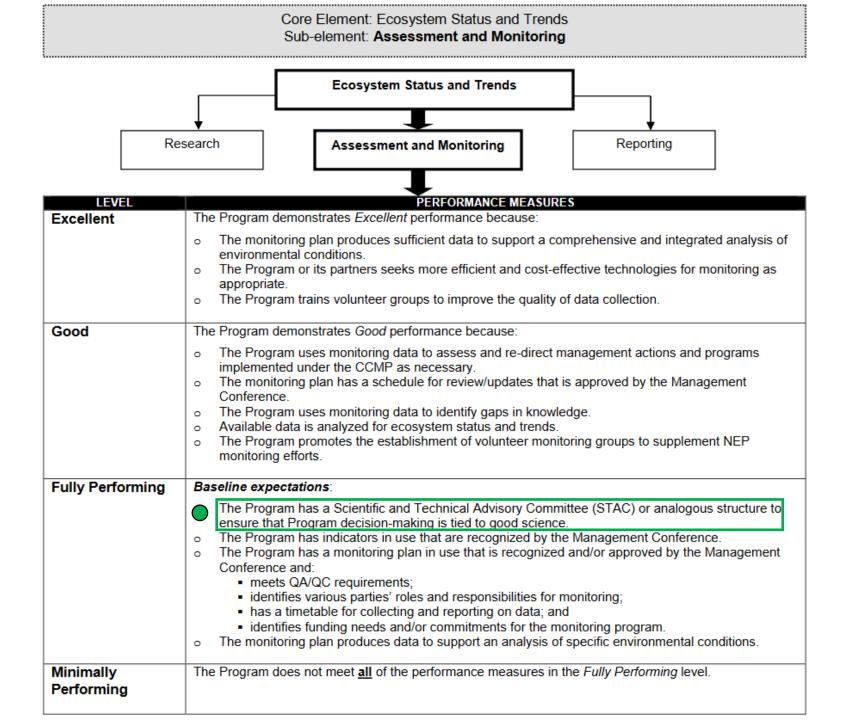
- Monitoring and Assessment Finalize Completion of a Monitoring Strategy
 - Finalize and adopt suite of indicators
 - Link indicators to a robust monitoring strategy
 - Reflects APNEP's CCMP implementation priorities
 - Monitoring strategy underway by 2020
- 2) Reporting Better Communicate Programmatic Accomplishments and Environmental Results
 - No specific comments in PE letter on environmental results
 - Use NEP Program Evaluation Guidance

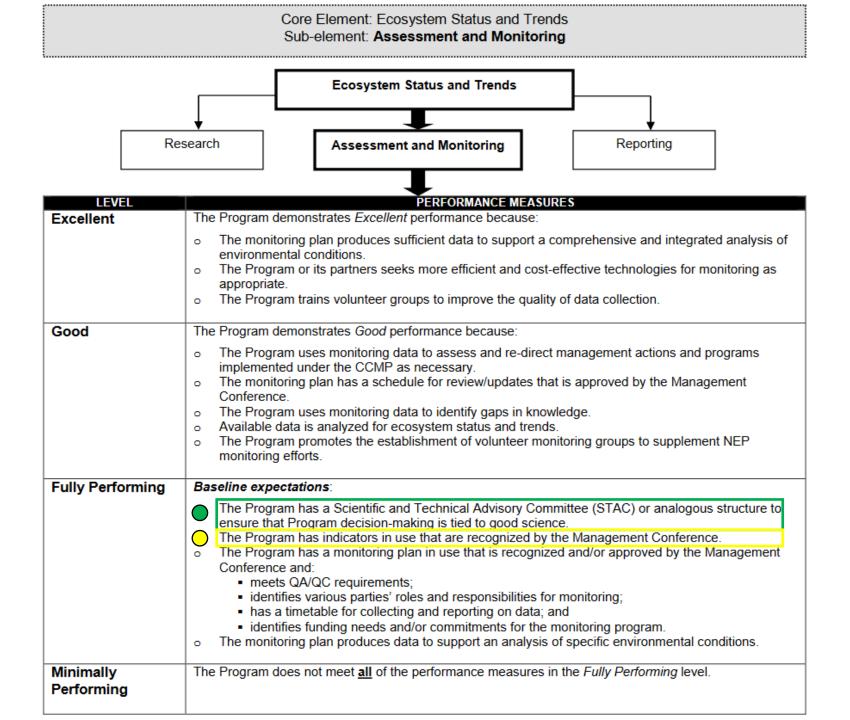


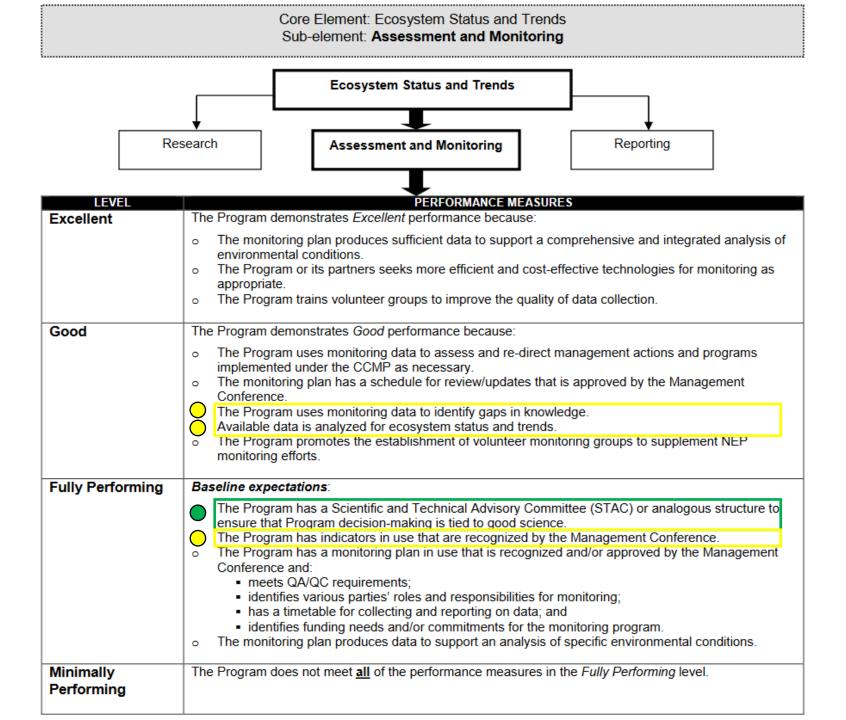
EPA Challenge: Ecosystem Monitoring and Assessment

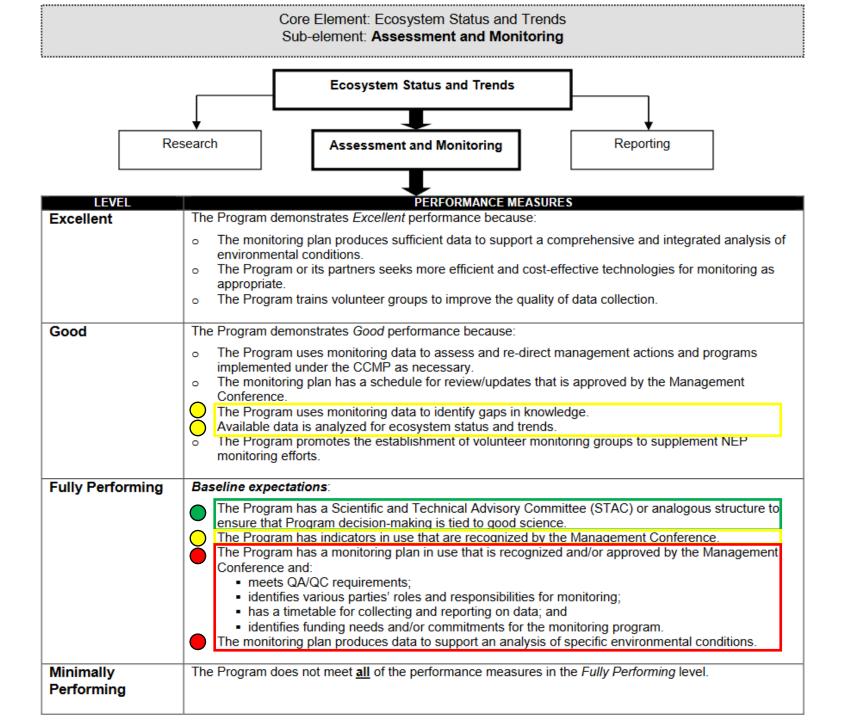
Core Element: Ecosystem Status and Trends Sub-element: Assessment and Monitoring **Ecosystem Status and Trends** Reporting Research Assessment and Monitoring PERFORMANCE MEASURES The Program demonstrates Excellent performance because: Excellent The monitoring plan produces sufficient data to support a comprehensive and integrated analysis of environmental conditions. The Program or its partners seeks more efficient and cost-effective technologies for monitoring as appropriate. The Program trains volunteer groups to improve the quality of data collection. The Program demonstrates Good performance because: Good The Program uses monitoring data to assess and re-direct management actions and programs implemented under the CCMP as necessary. The monitoring plan has a schedule for review/updates that is approved by the Management Conference.

The Program uses monitoring data to identify gaps in knowledge. Available data is analyzed for ecosystem status and trends. The Program promotes the establishment of volunteer monitoring groups to supplement NEP monitoring efforts. **Fully Performing** Baseline expectations: The Program has a Scientific and Technical Advisory Committee (STAC) or analogous structure to ensure that Program decision-making is tied to good science. The Program has indicators in use that are recognized by the Management Conference. The Program has a monitoring plan in use that is recognized and/or approved by the Management Conference and: meets QA/QC requirements: identifies various parties' roles and responsibilities for monitoring; · has a timetable for collecting and reporting on data; and identifies funding needs and/or commitments for the monitoring program. The monitoring plan produces data to support an analysis of specific environmental conditions. Minimally The Program does not meet all of the performance measures in the Fully Performing level. Performing

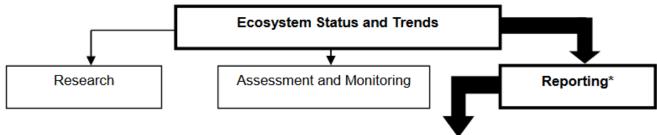




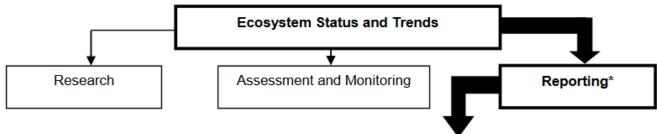




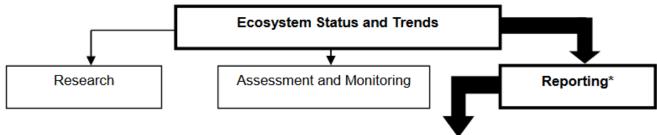
EPA Challenge: Reporting Environmental Results



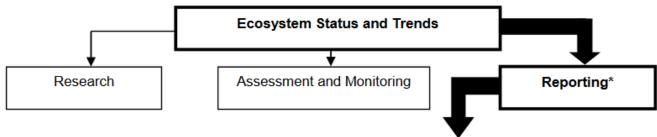
LEVEL	PERFORMANCE MEASURES
Excellent	The Program demonstrates Excellent performance because:
	 Reports discuss adaptive management strategies. Reports recognize new and emerging issues to be considered in updates or revisions to the CCMP.
Good	The Program demonstrates Good performance because:
	 The Program has an environmental progress report that communicates ecosystem status and trends to the public every three to five years (e.g., "State of the Bay" report, Environmental Report Card, significant newspaper insert, newsletters, websites, etc.). Major reports: discuss the Program's goals and priorities, indicators in use, ecosystem status and trends, and maps of study area; discuss the health of the estuary (i.e., habitat, water quality, and living resources); and include conceptual models that represent the best understanding of current ecosystem processes.
Fully Performing	Baseline expectations:
	 The Program has an environmental progress report that communicates ecosystem status and trends to the public on a periodic basis (e.g., "State of the Bay" report, Environmental Report Card, significant newspaper insert, newsletters, websites, etc.). Major reports: are linked to CCMP actions, goals, priorities, indicators, and monitoring systems; feature a narrative description of the Program's study area in plain English explaining the relationship between human activities and impacts on resources; and are approved by the Management Conference.
Minimally Performing	The Program does not meet <u>all</u> of the performance measures in the <i>Fully Performing</i> level.



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LEVEL Excellent	The Program demonstrates Excellent performance because:
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Recap and Points for Discussion

- STAC focused on indicator development since inception (15 years)
 - Significant progress made but indicators still not finalized
 - Limited focus to date on monitoring strategy
 - EPA requesting faster progress (2020 target)
- STAC is central to the development, implementation, and review of APNEP's monitoring and assessment initiatives
 - Strategic focus will improve success
 - Collaboration on all levels is critical
- Today's discussions:
 - APNEP monitoring strategy
 - APNEP ecosystem assessment