

Draft Metrics for Biennial WQPP Congressional Reporting

WQPP Accomplishments: Funding, Effort & Outcome Metrics

Metric		Ease of Reporting	Demonstration of Program Impact	Contributing Partners
Wastewater Connections				
1	% of homes on AWT and central sewer systems	Medium	High	
2	Infrastructure upgrades completed and anticipated improved performance as a result.	Difficult	High	
Canal Remediation				
3	# of impaired canals in design, permitting, construction and/or successfully restored or improved during the reporting period and cumulatively.	Easy	High	
Vessel Discharge Compliance				
4	# of pump-outs during reporting period	Easy	High	
5	Estimated volume of vessel discharges prevented from entering sanctuary waters	Easy	High	
Special Studies				
6	# of studies funded during the reporting period	Easy	Low	
7	Total funding (\$) contributed by the EPS SFL Program during the reporting period	Easy	Low	
Water Quality Monitoring and Current Conditions				
8	# of monitoring events completed	Easy	Low	
9	% of monitoring sites achieving compliance with established targets.	Medium	Medium	
10	Estimated reduction in nutrient loading due to corrective actions.	Difficult	High	
Benthic Monitoring and Resource Condition				
11	# of monitoring events completed	Easy	Low	
12	Site specific metrics (e.g., improvements in DO, water clarity and benthic habitat as a result of a specific canal restoration project).	Difficult	High	
Other Ecosystem Restoration Efforts				
13	# of corals or sponges outplanted	Medium	Low	
14	# of tidal connection projects completed	Easy	Medium	
Leveraged Funds and Water Quality Improvement Efforts				
15	Leverage Ratio Table showing EPA SFL Program funds and other funding sources (federal and non federal) for water quality improvements.	Medium	High	
Community Engagement				
16	# of public attendees at Steering Committee meetings	Easy	Low	

Program Modifications: Adaptive Management Metrics

Metric		Ease of Reporting	Demonstration of Program Impact	Contributing Partners
Response to New Threats or Needs				
17	Case study of any new threat or emerging need addressed during the reporting period (e.g., spinning fish, marine heatwave, etc.)	Medium	Medium	
Incorporation of New Processes or Emerging Technologies				
18	Showcase any new technology used or leveraged (e.g., improved bathymetry, new canal restoration technology)	Medium	Medium	
19	Highlight other new programmatic or process improvements to enhance program execution (ex. WQPP website overhaul; reviving the Canal Restoration Subcommittee, etc.)	Medium	Medium	
Regulatory Changes				
20	Describe any relevant local, state or federal changes (e.g., local ordinance/comprehensive plan updates, state WQM standards, FKNMS management plan updates)	Medium	Medium	
Science to Inform Management				
21	Describe any other management decisions based on WQPP-relevant science (e.g., sharing science via mini research symposium; SIW research/City of Marathon DIW installation; updates to monitoring programs to improve consistency/regional impact, etc.)	Difficult	Medium	
New Collaborations and/or Community Engagement Opportunities				
22	Highlight new partnerships and/or efforts to enhance community participation in the WQPP or understanding of water quality challenges and opportunities in the Keys (e.g., potential collaboration with DOH beach WQM reports)	Medium	Medium	

Recommendations: Future Implementation Metrics

Metric		Ease of Reporting	Demonstration of Program Impact	Contributing Partners
Continuing Program Priorities				
23	Describe ongoing efforts that will continue to remain a priority.	Medium	Medium	
Identified Gaps and New Priorities				
24	Describe gaps identified during the reporting period and plans to address those.	Medium	Medium	
25	Identify other new priorities relevant to research, monitoring, corrective actions, or outreach efforts.	Difficult	Medium	
Partnerships and Leveraged Funding				
26	Describe plans to enhance WQ improvements through federal/state partnerships and targeted investment.	Medium	High	