

ECOSYSTEM ADVISORY SUBPANEL REPORT ON
CLIMATE AND COMMUNITIES INITIATIVE

The Ecosystem Advisory Subpanel (EAS) received a presentation from Mr. Jonathan Star on scenario planning and the process we are undertaking. We appreciate the thoroughness of Mr. Star's discussion and support the process moving forward. We have the following comments:

- The compliment of stakeholders participating in the scenario development workshop will have a strong influence on the outcomes of the workshop. Further, we think the expertise and experience of long-time fishermen should be included in the development and analysis of scenarios.
- In addition to the 'Preliminary Driving Forces' already identified by Mr. Star, we suggest including:
 - Ocean deoxygenation, including expanding oxygen minimum zones and episodic hypoxic events;
 - Ocean productivity;
 - Changes in species distributions and species replacements;
 - Treating offshore development, including aquaculture, energy production, and potential mining;
 - Marine weather (e.g., longer stretches of good weather);
 - Increasing quality of wild caught seafood;
 - Changes in tourism patterns and infrastructure;
 - Catastrophic coastal events (e.g., tsunami, earthquakes, hurricanes, war, and zombie apocalypse); and
 - Harmful algal blooms.

The EAS supports this endeavor as an important and useful exercise to help the Council with long-term planning and look forward to the next step.

PFMC
09/12/19