

ECOSYSTEM WORKGROUP REPORT ON FISCAL MATTERS

At its September 5, 2023, webinar meeting, the Ecosystem Workgroup (EWG) discussed the Inflation Reduction Act funding process and the Pacific Fishery Management Council (Council's) efforts to develop proposals that would assist its ability to craft regulatory responses to the challenges of climate variability and change. We particularly noted that this Council has already undergone an extensive process to review, understand, and prioritize potential actions to develop climate-ready fisheries under the scenario planning process of its [Climate and Communities Initiative](#) (CCI).

The EWG typically reminds the Council of follow-up tasks from the CCI under the Council's workload planning agenda item. These tasks, which were first summarized for the Council by its [Climate and Communities Core Team in September 2021](#), are listed and updated below and could serve as a source of ideas for the Council's application for Inflation Reduction Act funds. Much more extensive lists of ideas for developing management actions in support of climate-ready fisheries may be found on the Council's website for the CCI at the links to regional climate implications workshops, particularly in the "Priority Actions" sections of the linked worksheets for:

- [Washington region climate implications workshop completed worksheets](#) (slides 32-42);
- [Oregon region climate implications workshop completed worksheets](#) (slides 33-43);
- [Northern California region climate implications workshop completed worksheets](#) (slides 29-35);
- [Southern California region climate implications workshop completed worksheets](#) (slides 28-37).

CLIMATE AND COMMUNITIES INITIATIVE FOLLOW-UP TASK LIST – UPDATED SEPTEMBER 2023

1. CCI Tasks that the Council could add to a future agenda without additional background from the EWG:

- All fishery management plans (FMP)-specific advisory subpanels and management teams to report to the Council on barriers in the management of their fisheries to addressing the effects of ecological or management surprises and shifting stocks through in-season management actions, and on measures the Council could take to increase management nimbleness pre-season and in-season, while supporting long-term stock and ecosystem integrity.
- All FMP-specific advisory subpanels and management teams could report to the Council on priorities and processes for review of exempted fishing permit applications and recommendations about how such permits could be deployed to advance climate ready fisheries.
- Plan a future workshop, in coordination with National Marine Fisheries Service (NMFS') Secretariats to the U.S. Delegations to the regional fishery management organizations

(RFMOs), involving Council, advisory body, and management team members who engage with regional fishery management organizations and other international forums that have management responsibility for West Coast fish stocks to:

- Develop recommendations to address adapting to and mitigating for the effects of climate change on fish stocks and fisheries at the international level, and
- Identify measures to improve current transboundary coordination to prepare for shifts in the distribution of managed fish stocks.
- Request that NMFS report to the Council on the West Coast fisheries' disaster determinations made in response to events that could be characterized as climate variability or change since 2010.
- Request that NMFS report to the Council on coordination among its hatchery, habitat, and hydropower policies to buffer Pacific salmon stocks against climate change effects.
- Task advisory bodies to explore the use of citizen science and Traditional Ecological Knowledge, through community-based, and collaborative efforts in data collection for tracking climate change.

2. *CCI Tasks that require additional background work from the EWG and others*

- Define flexibility and adaptability in the context of shifting West Coast stocks and identify appropriate considerations, based on scenario planning results, and informed by the report 1 provided by the Nature Conservancy.

3. *CCI Tasks already completed or assigned*

- All FMP-specific advisory subpanels and management teams could report to the Council on opportunities for and challenges to embedding climate variability and change into our assessments, decision tables, and scientific advice for fishery management unit species, with advice and input from the Scientific and Statistical Committee. Part of Ecosystem and Climate Information Initiative.
- Catalog potential processes to address incorporating climate variability and change data and information into our stock assessments, ecosystem assessments, scientific advice, and decision-making, including expected shifts in our stocks abundance and distribution, and ecosystem conditions, over the next 5-20 years. Initial discussion provided in Chapter 5 of the updated Fishery Ecosystem Plan (FEP) adopted in March 2022; also, part of Ecosystem and Climate Information Initiative.
- Bring FMP-specific ecosystem reporting into the Council process at times when it is most needed and useful, supplementing the annual ecosystem status report and harvest decisions that are under development. Part of Ecosystem and Climate Information Initiative.
- Use NOAA's climate vulnerability assessments to prioritize stocks for climate MSEs intended to develop climate-ready harvest control rules and other management measures. Part of Ecosystem and Climate Information Initiative.
- Ask the California Current Integrated Ecosystem Assessment (CCIEA) Team to provide an appendix in the annual ecosystem status report that provides information specific to climate change, takes into account the CCI scenarios, and develops climate early warning indicators – done March 2022, updated March 2023. See Appendix E of Agenda Item

H.2.a, [CCIEA Team Report 1](#), March 2022; Appendix E of Agenda Item H.1.a., [CCIEA Team Report 1](#), March 2023.

- EWG asked to include statement in the Council’s Guidance Document on Offshore Non-Fishing Activities on the role of greenhouse gas emissions in climate change and related implications for West Coast fisheries – done March 2022, see Agenda Item C.2.a, [EWG Report 1](#), March 2022.
- EWG asked to reference the final Scenario Planning Report(s) in the FEP as an example of potential impacts of climate change – done, see [FEP at Section 5.2](#).
- Annual updates on actions taken by other U.S. fishery management councils to better prepare fisheries for climate change – assigned to Council staff as part of participation in Council Coordination Committee.
- Develop Council webpage for climate-related work and resources to assist in educating and engaging the public – assigned to Council staff.
- Develop summary report on the Council’s CCI scenario planning process – done February 2023. See deReynier, Y., C. Dahl, C. Braby, G. Kirchner, R. Lincoln, T. Moore, C. Niles, C. Ridings, J. Samhouri, J. Star, S. Stohs, and J. Ugoretz. 2023. U.S. Pacific Coast Federal Fisheries Scenario Planning Summary Report. NOAA Tech. Memo. NMFS-OSF-12, 157 p., [Supplemental Information Report 8](#), March 2023.

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