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# **Inflation Reduction Act (IRA) Climate Ready Fisheries Program Overview**

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**Presentation for the North Pacific Fishery Management Council**

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# Inflation Reduction Act

The Inflation Reduction Act (["IRA", HR 5376, PL 117-169](#)), signed August 16, 2022, provides a total of \$3.3B to NOAA. These funds have been internally divided into three "buckets," as noted below, and allow NOAA to add increased focus to weather and climate resilience, coastal restoration and protection, supercomputing, facilities, and aircraft.



Bucket 1



Coastal Communities & Climate Resilience

Bucket 2



Forecasting, Weather, & Climate

Bucket 3

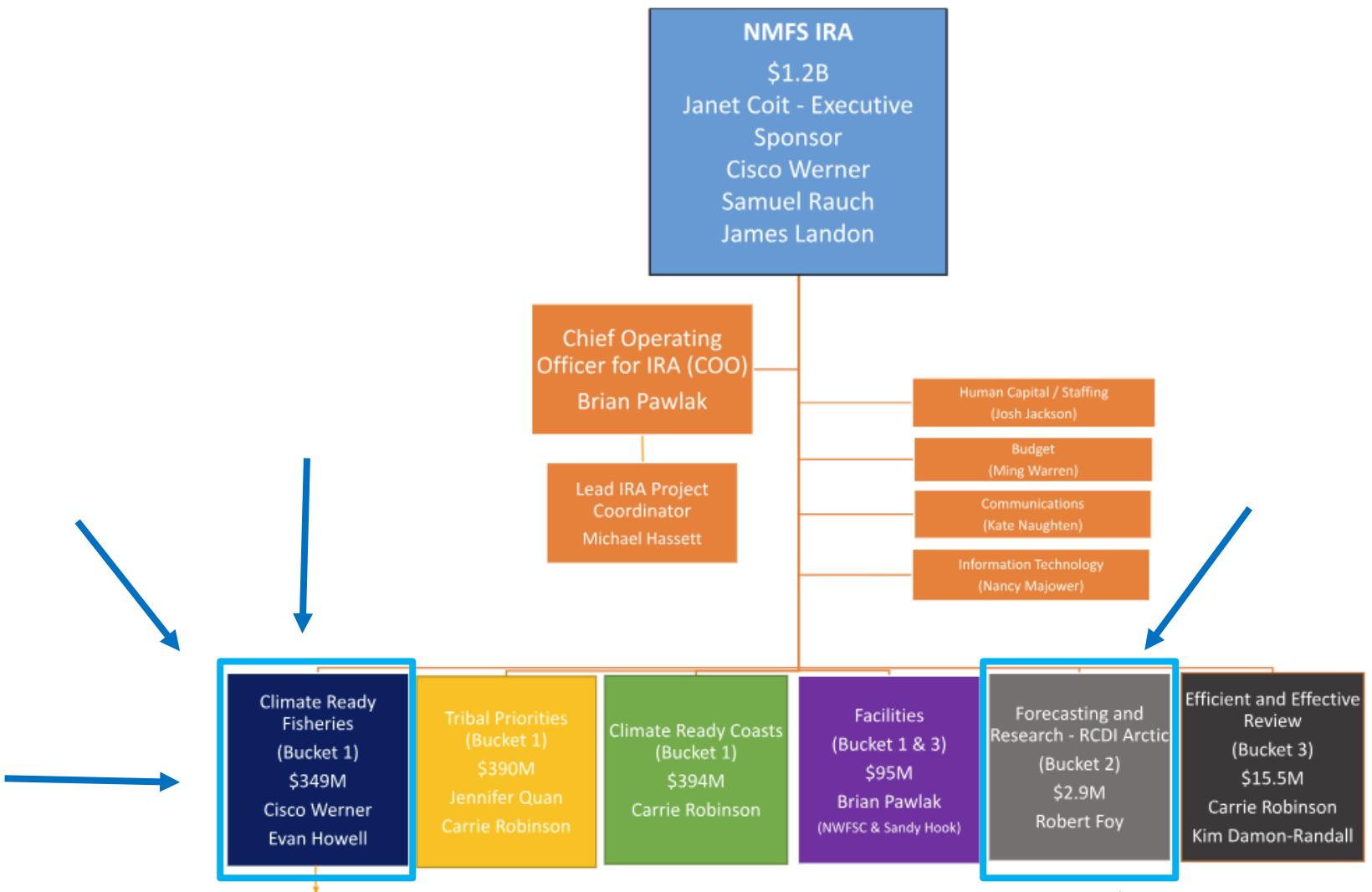


Facilities, Permitting, Aircraft, & More

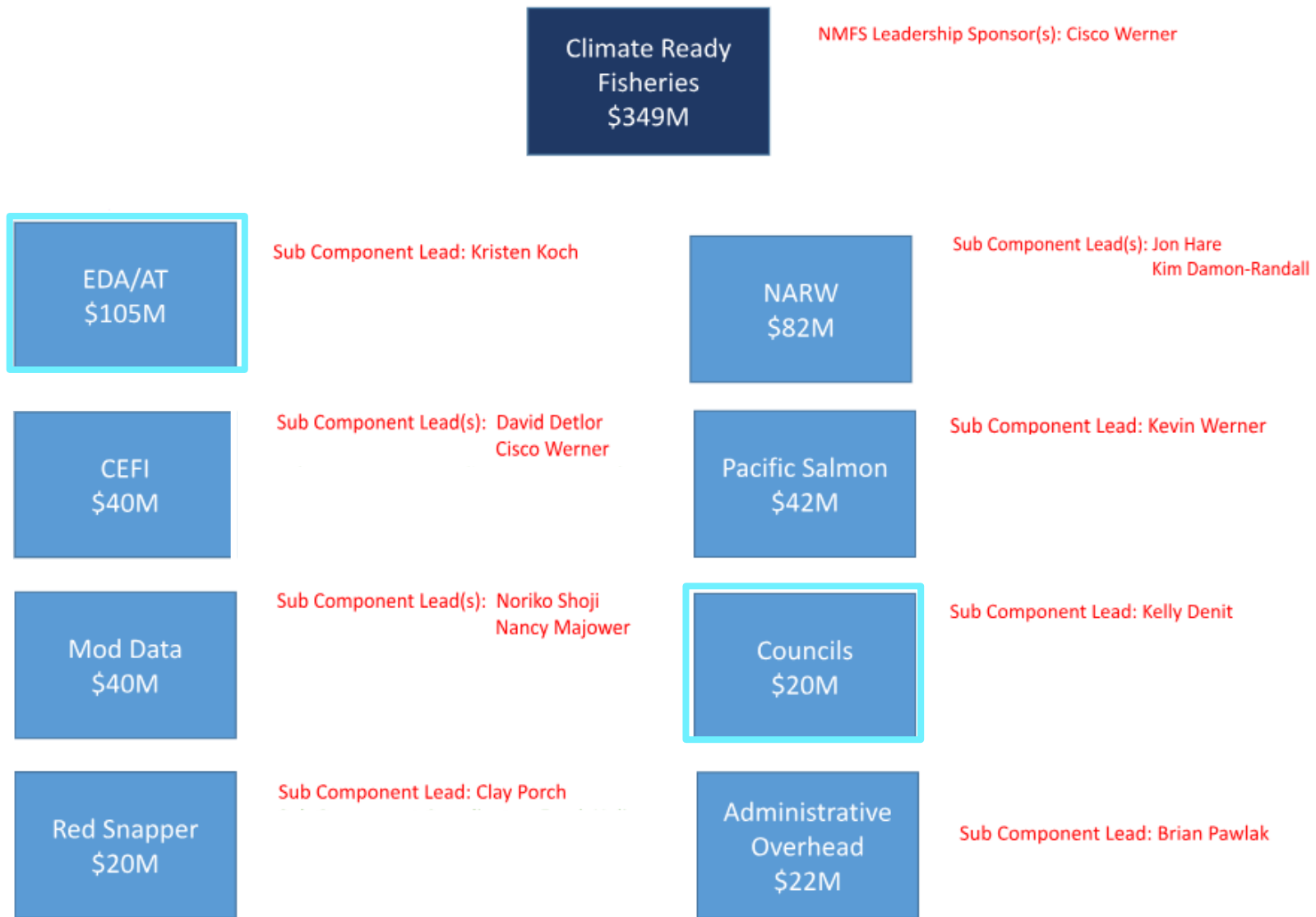


# Organizational Structure

## Inflation Reduction Act (and Climate Ready Fisheries) Organizational Structure



## Inflation Reduction Act (and Climate Ready Fisheries) Organizational Structure



**CEFI:** Climate, Ecosystem, and Fish Initiative

**EDA/AT:** Essential Data Acquisition and Advanced Technology

**Mod Data:** Modernizing Data

**NARW:** North Atlantic right whale





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# Essential Data Collection / Advanced Technologies

Inflation Reduction Act Climate Ready  
Fisheries Program Overview

Sub Component Lead: Kristen Koch, Tia Brown

# EDA / AT IRA Funding Overview

- \$1.45B in total funding from FY2023 to FY2026.
- Mitigate the recent loss of at-sea survey capability and increase the efficiency of traditional platform data acquisition.
- Modernize and transform NMFS' advanced technology and social science capabilities through targeted Strategic Initiatives
- **AFSC received \$5.5M for Alaska fisheries survey charters**
- In FY23, PIFSC/AFSC/SWFSC will use \$3.3M to charter critical Pacific protected species surveys. **AFSC will use \$850k to charter a vessel for the Bering Sea Alaska ice seals survey**



# EDA / AT IRA Funding Goals

- Operationalize the data tools recommended in the Next-Gen Data Acquisition Plan, leading to a distributed fleet of data acquisition platforms and tools to transform NMFS' data acquisition enterprise.
- Strategic Initiative Working Groups will develop nationally-coordinated regional applications of UxS, 'Omics, Active acoustic systems, Passive acoustic systems, Optical systems, Remote sensing, and Social science.
- Emphasis placed on Advanced Technology development with strategic use of funds for Traditional Platform Data Acquisition, primarily in FY23 and FY24.



# Territorial/Tribal Data Acquisition

- Activities will include support for coordinating existing knowledge networks to build capacity in remote Alaskan communities.
- Support climate resilience in communities on the front lines of climate change in the Alaska Region requires NOAA services in the form of partnerships, internships, and education opportunities.
- Increase opportunities allowing for NOAA to benefit from Indigenous Knowledge in its science products for better understanding how changing climate conditions affect living marine resources.





# Territorial/Tribal Data Acquisition

- Support co-development of research and knowledge needs with academic, international, and Indigenous partners.
- Encourage knowledge transfer between Alaska Native communities, traditional indigenous fisheries and aquaculture practitioners from Alaska, British Columbia, and Washington, and NOAA.





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# Climate, Ecosystems, and Fisheries Initiative (CEFI)

## IRA Climate Ready Fisheries Program Profile Overview

Sub Component Leads: Cisco Werner and David Detlor

# Inflation Reduction Act Funding

## Overview:

The CEFI calls for building an operational ocean modeling and decision support system to transform our science enterprise and provide decision makers with the robust forecasts, projections, risk assessments and advice they need for climate-ready resource management and community adaptation.

## Goals:

Build-out the four components of the CEFI System and demonstrate its utility in all six regions:

- ***Robust ocean forecasts and projections*** - Establish climate-ocean modeling systems in all six regions delivering customized ocean hindcasts, forecasts and projections to Decision Support Teams for use in developing climate informed advice (funding to build on NOAA modeling systems and High Performance Computing).



# Inflation Reduction Act Funding

## Goals (continued):

- ***Access to ocean model data*** - Establish a CEFI Information Portal for centralized data management and easy access to ocean hindcasts, forecasts and projections for use in developing climate informed advice for decision makers from fisheries to coastal communities and other ocean uses (e.g., wind energy, aquaculture).
- ***Produce climate-informed advice*** - Establish Decision Support Teams in all six regions to transform the existing science enterprise into one that operationally produces climate informed advice including assessments of risk and best strategies for resilience and adaptation.
- ***Increase climate-ready decision making*** - Work with regional decision makers to develop, test and improve climate-informed advice for effective resource management and community adaptation.





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# Forecasting and Research RCDI Arctic

## IRA Program Profile Overview

Sub Component Lead: Robert Foy

# Arctic - Inflation Reduction Act Funding

## Overview:

Arctic research funding will support coordination and shared research and knowledge with academic, international, community, and Indigenous partners. This will also help us to better understand changing climate condition effects on Arctic marine resources including fisheries, marine ecosystems, and subsistence-harvested marine mammals.



# Arctic - Inflation Reduction Act Funding

## Goals:

- Coordination of data on shifting abundance and distribution of subsistence-harvested marine mammals relative to ocean conditions to enable NOAA to meet its formal obligations to conserve and co-manage these species with coastal communities.
- Co-development of research and knowledge needs with academic, international, and Indigenous partners at the Inuit Circumpolar Council.
- Support and coordinate existing knowledge networks to build capacity in remote Arctic communities in line with the emerging NOAA Fisheries environmental justice strategy; amplify Arctic community voices within the current and future fisheries management regimes.
- Provide platforms for co-developing local and Indigenous knowledge onramps for better understanding how changing climate conditions affect living marine resources.



# Arctic - Inflation Reduction Act Funding

## FY23 Program Profile - \$ 0.739 million

- Student invitational travel and In Fish internship
- Support for engagement on ice sea surveys and Arctic collaboration in the CAO/northern Bering Sea.
- Coordination of Arctic data collection efforts

Total	
● NESDIS	\$2.3
● NMFS	\$2.9
● NOS	\$1.4
● NWS	\$0.6
● OAR	\$4.0
● Total:	<b>\$11,351,000</b>

## Outyears (FY24-26) – \$ 2.176 million

- Development of community resilience data needs to support Arctic communities
- Co-management partner engagement
- Build capacity in remote Arctic communities in line with the NOAA Fisheries environmental justice strategy







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# Regional Fishery Management Councils

## Inflation Reduction Act (IRA) Climate Ready Fisheries Program Overview

Sub Component Lead: Kelly Denit

# Councils IRA Funding Overview

- \$20M in total funding from FY2023 to FY2026.
- Proposals **must** be focused on fishery management and governance topics.
- Actions funded under IRA will contribute to the following overarching goals:
  - Implementation of fishery management measures necessary to advance climate ready fisheries by improving climate resiliency and responsiveness to climate impacts; and
  - Development and advancement of climate-related fisheries management planning and implementation efforts in support of underserved communities.



# Councils IRA Funding Priorities

- Operationalize fish climate vulnerability assessments or other scientific products (e.g., ecosystem status reports, Integrated Ecosystem Assessments, etc.);
- Operationalize recommendations from climate scenario planning efforts;
- Develop and implement management changes or processes to address climate vulnerability or improve climate resiliency of fisheries (e.g., potential revisions to harvest control rules to account for changes in ecosystems related to climate change), including those that are important to underserved communities;
- Develop and implement measures or processes that increase responsiveness of allocations or other management measures to climate impacts;
- Develop and advance climate-related fisheries management planning (e.g., conduct climate scenario planning) and implementation efforts, including those in support of underserved communities.



# Criteria

- Requirements considered in evaluating proposals:
  - Each proposal must be a minimum of \$300K per proposal.
    - Rather than funding single activities (e.g., a workshop), it is preferable to bundle related activities under one comprehensive proposal.
  - Actions must be completely implemented or in the final phases of approval by 2027.
  - Actions using IRA funds must be able to be sustained with no additional post-IRA funds.
- High priority consideration will be given to:
  - Actions that leverage existing tools.
  - Actions that will be completed within 3 years.
  - Cross-council projects and initiatives (where relevant).



# Next Steps

- Implement IRA specific grants to each Council
- Discuss Request for Proposals at the October CCC meeting
- FY24 Request for Proposals opens
- Technical review of FY24 proposals and selection of funded projects
- Support completion of identified projects and implementation of management measures





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# Questions...