

AOOS Board Meeting

May 22, 2018
Carl Gouldman



U.S. IOOS: Program Overview

Partnership effort that leverages dispersed national investments to deliver ocean, coastal and Great Lakes data relevant to decision-makers.

Global Component

US contribution to Global Ocean Observing System (GOOS)

1 of 15 Regional Alliances of GOOS



The Global Ocean Observing System



National Component

17 Federal agencies

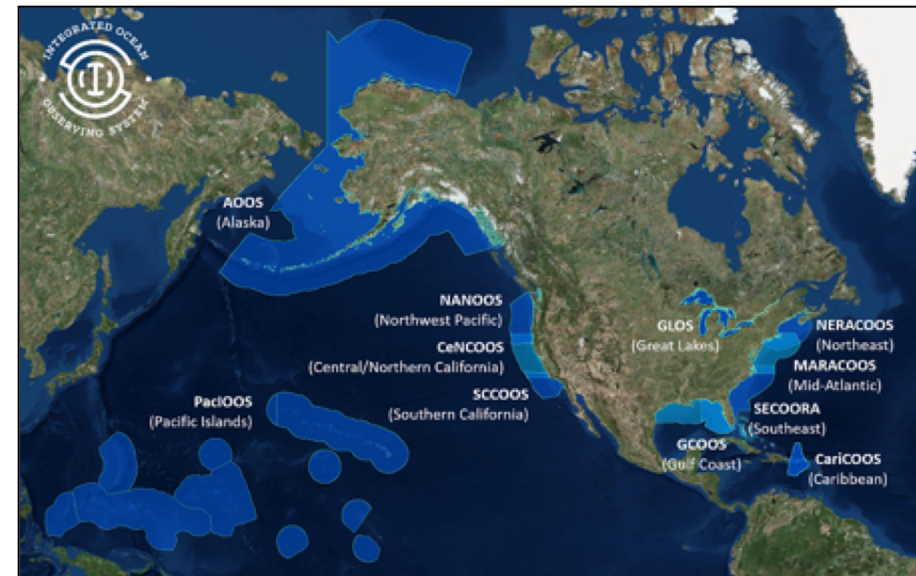


Regional Component

11 Regional Associations

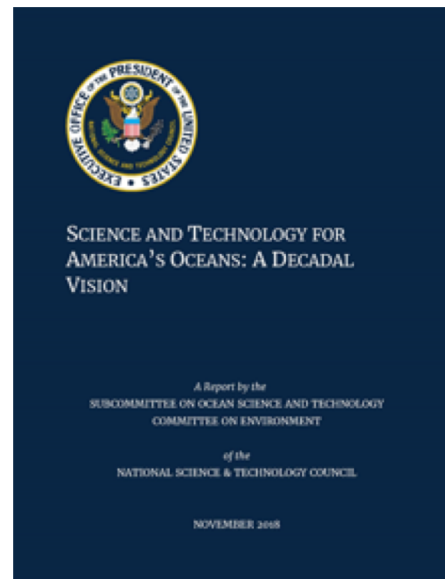
Stakeholder driven

Academia, state/local/tribal government, private industry



Looking forward - importance of the ocean

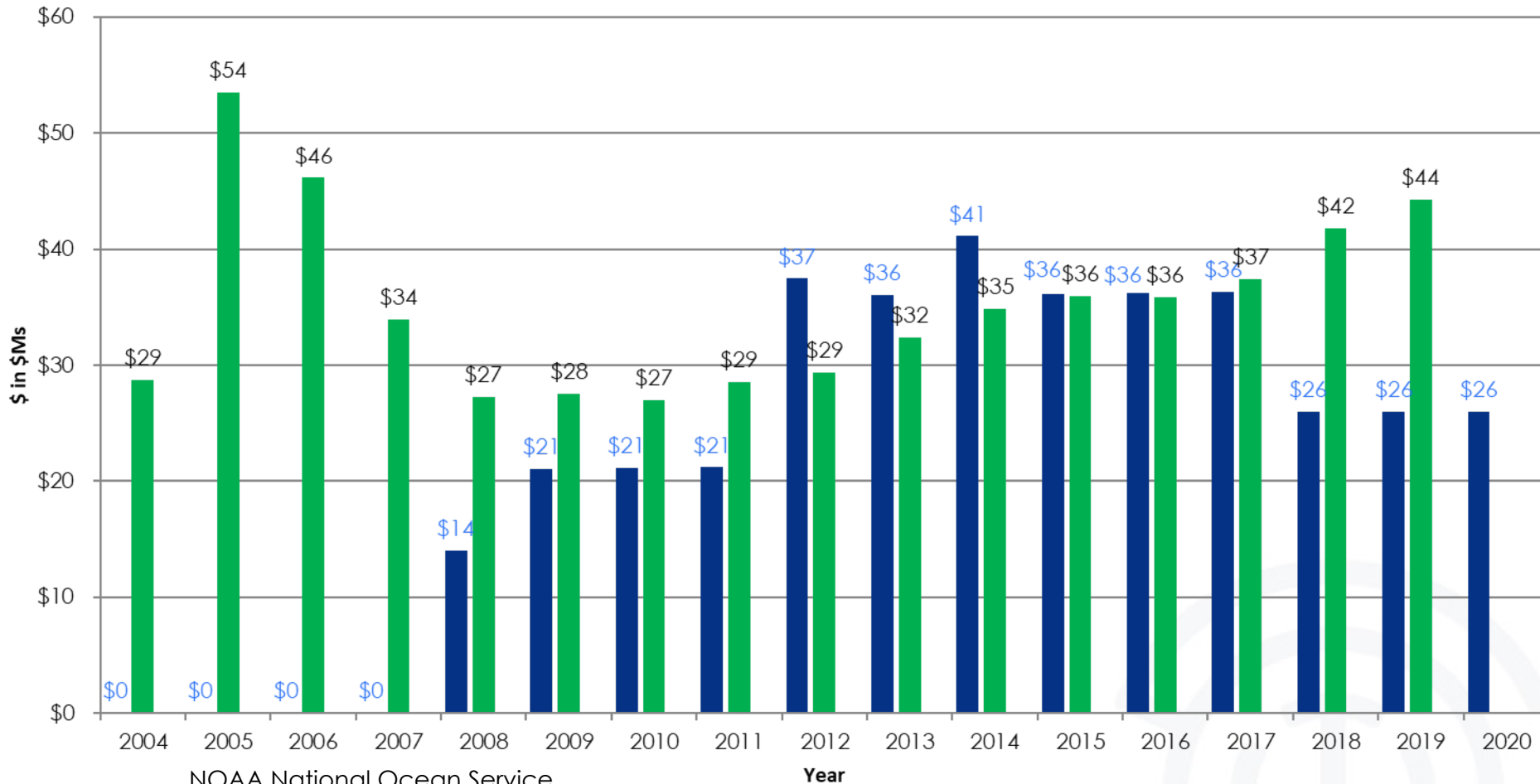
- OceanObs'19 - Regional - Coastal - Global
- Essential Ocean Variables and Communities of Practice
- White House (OSTP) Science and Tech for America's Oceans: A Decadal Vision
- UN Decade of Ocean Science for Sustainable Development



U.S. IOOS Enacted and President's Budgets FY04-20

NOS IOOS Request & Appropriation History
Part of the Story – not including 'backbone and global'

■ Request
■ Enacted



NOAA National Ocean Service

Navigation, Observations, and Positioning: 'National IOOS' component FY18

Omnibus \$6.8M & 'Regional IOOS Observations' \$35M

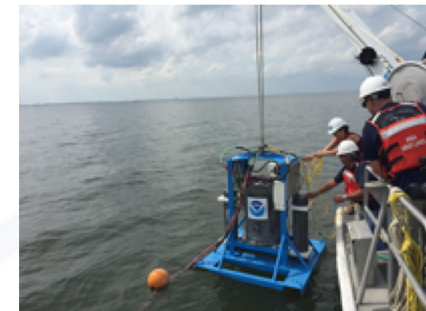
Estimated Enacted levels are 'post rescission' totals for each year

'Request' = the President's Budget Request

FY19 House Mark is first, next is Senate Mark, then Conference...

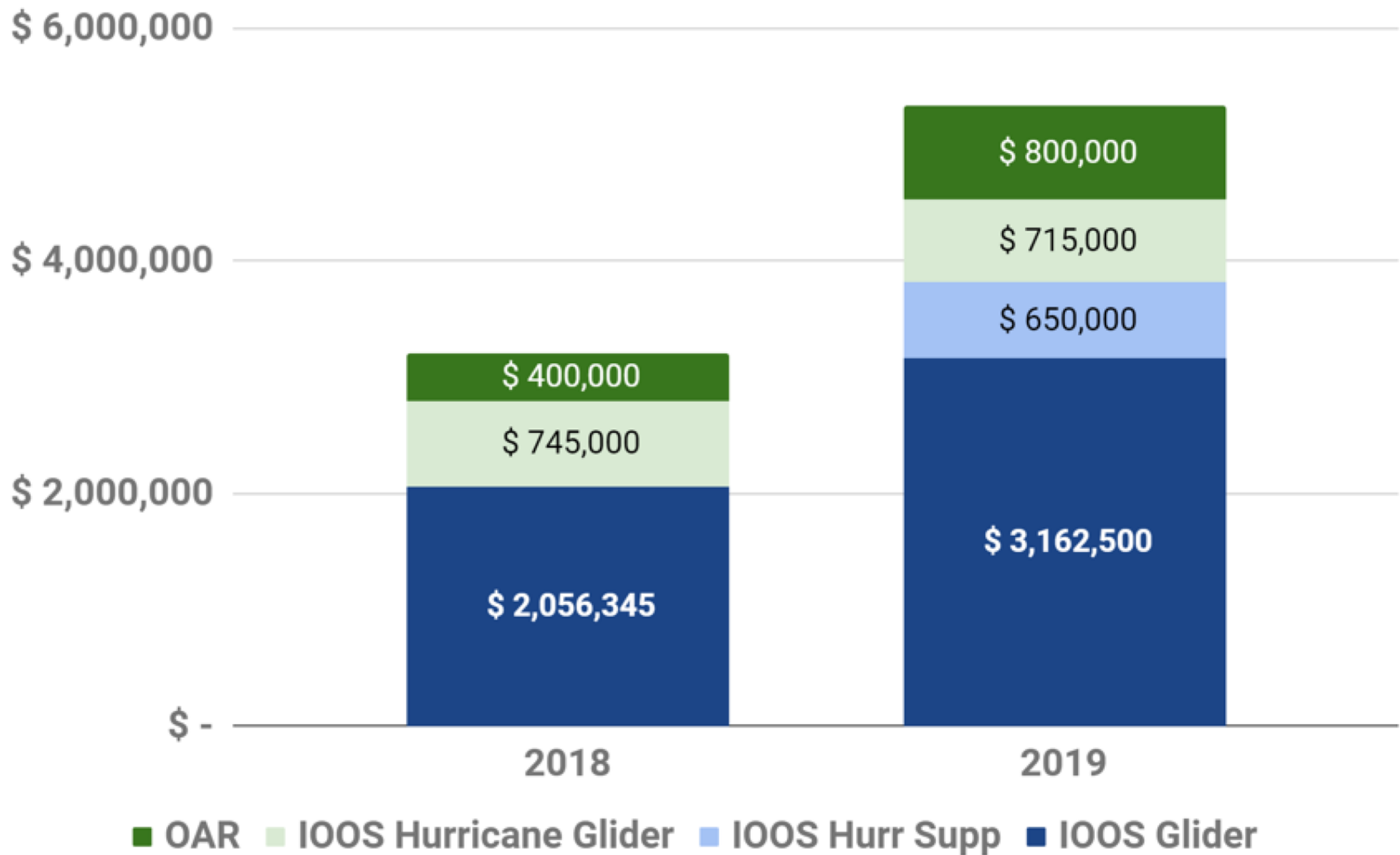
FY2019 IOOS Highlights

- Blue Economy
 - Customer focus and stakeholder outreach
 - ICOOS Act reauthorization
 - NOAA Weather Act & NOAA Water Initiative
 - CENOTE Act 2018 (Commercial Engagement Through Ocean Technology Act of 2018)
 - IOOS Advisory Committee
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- **Filling gaps \$7.5M:** Surface Currents, Gliders, Streamlined Access to observation information
 - Biology and Harmful Algal Bloom Observing
 - Regional Ocean Data for Management needs
 - **Ocean Technology Transition** – new FFO for award in FY2020
 - **Coastal and Ocean Modeling Testbed COMT** - Coastal / Ocean /Water Modeling, Forecasting, and Prediction
 - **ACT** workshops for IOOS RAs and OAR Labs and Cooperative Institutes



IOOS & co. gliders 2018 - 2019

2018 & 2019 Estimated IOOS Glider Funding w/ OAR



Hurricanes are coming



Storms are coming

**Storms gather and now our watch begins ...
Hear my words and bear witness to my
VOW**

**It shall not end until batteries fail
I bring ocean data through darkness
I am a watcher under waves
I am a drone that guards the realm
I bring our ocean to models for this
season and seasons to come.**



Adapted from adaptation by HBO Game of Thrones (Song of Fire and Ice: George R. R. Martin)