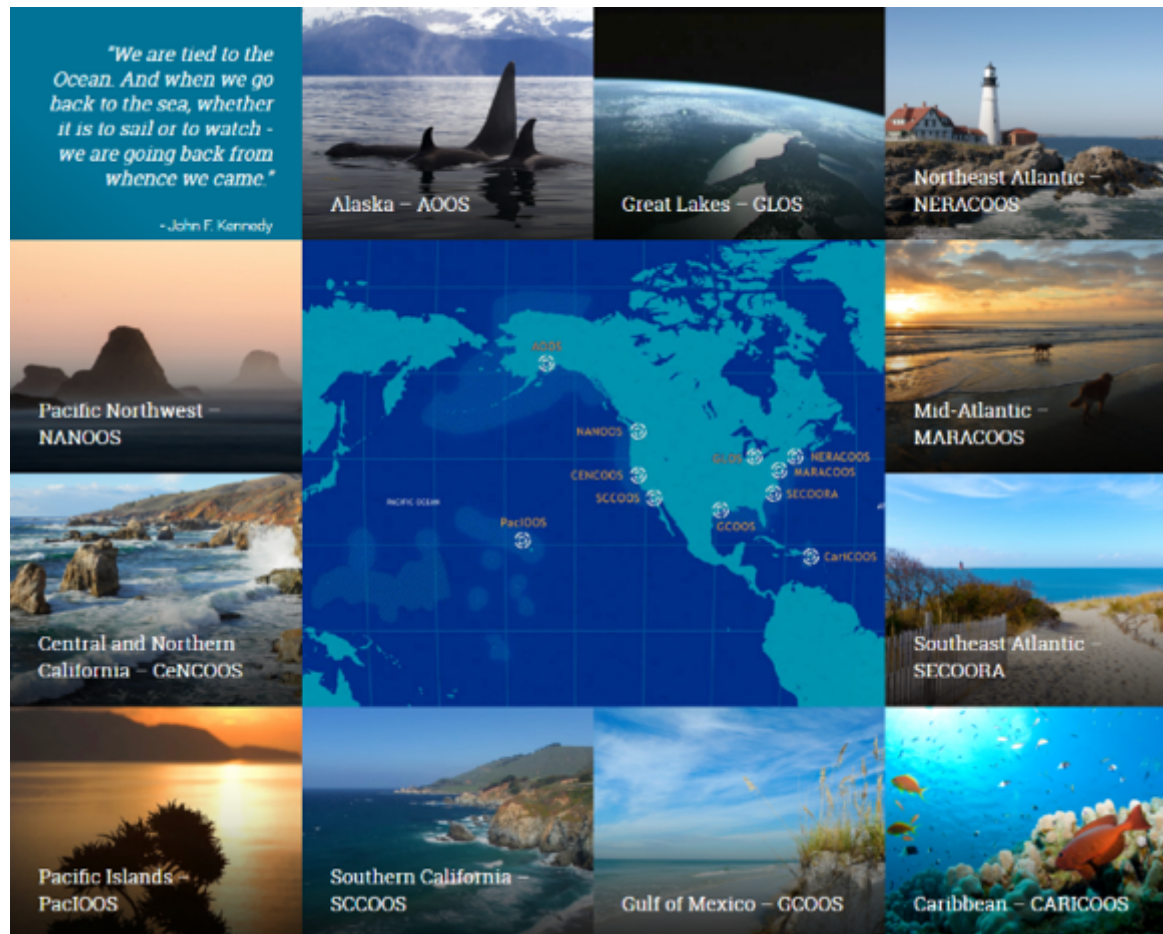


AOOS Board Meeting May 2019

Josie Quintrell
IOOS Association



IOOS Association: Overview



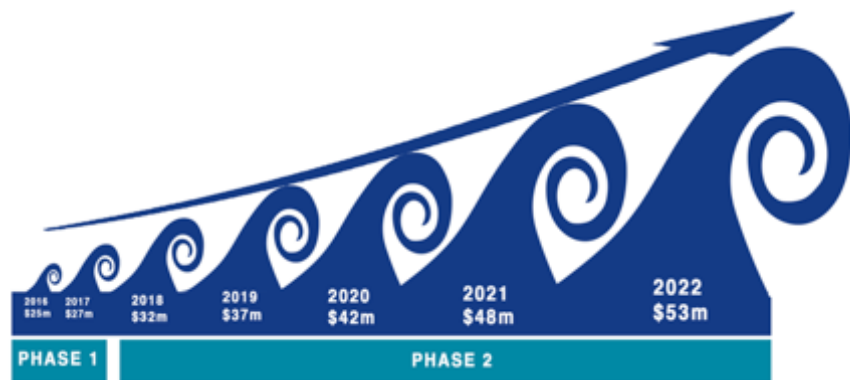
- Advocacy
- Common Issues
- IOOS federal/non-federal partnership
 - Administration
 - Congress
 - National Partners
- Emerging Issues
- Special Projects

Observing our oceans, coasts and Great Lakes
*Providing information to those who need it,
when they need it*

Congressional Outreach



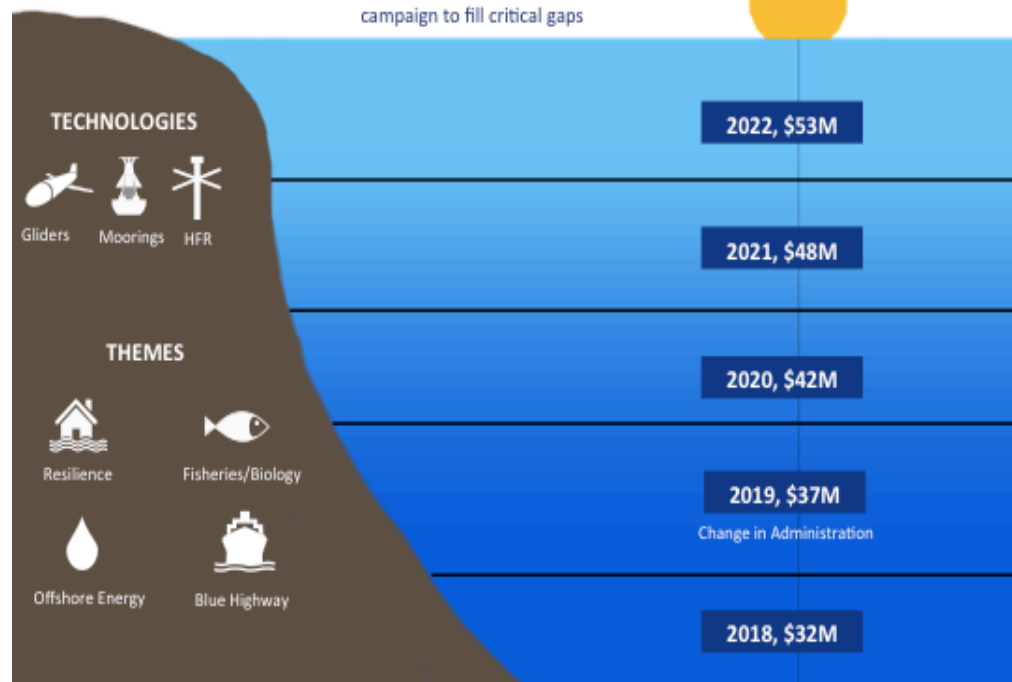
Filling the Gaps: 5 yr Campaign



- Scalable campaign
- Tangible outcomes
- Align with Administration Priorities
- Filling targeted gaps in:
 - HR Radars
 - Gliders
 - And Moorings?

CLOSING THE GAP CAMPAIGN Phase 2: FY18-FY23 Multiyear Strategy

Desired outcome of discussion: Input from the regions and the Program Office on how to organize a successful campaign to fill critical gaps



In 3 years - IOOS regional line increased by \$7.5m

FY 20 Appropriations



Appropriations Chart for NOAA's National Ocean Service Regional IOOS

	FY14 Enacted	FY 15 Enacted	FY 16 Enacted	FY 17 Enacted	FY 18 Enacted	FY 19 Enacted	FY 20 Pres. Budget	FY 20 IA Request
Regional IOOS Total	\$28.5m	\$29.5m	\$29.5m	\$30.7m	\$35m	\$38.5m	\$19.4m	\$43.7m
National network of regional infrastructure systems, gaps in radars and gliders	\$24.3m	\$25.2m	\$25.2m	\$26.4m	\$30.7m	\$34.2m**	TBD	\$32.7m for systems, \$3.2m for radars, \$3.5m for gliders
Marine Sensor Innovation Grants, Modeling Test Bed, Sensor Verification	\$4.2m	\$4.3m	\$4.3m	\$4.3m	\$4.3m	\$4.3m	TBD	\$4.3m
U.S. IOOS Program Office*	\$6.6m	\$6.6m	\$6.6m	\$6.6m	\$6.8m	\$6.8m	TBD	\$6.8m
Total U.S. IOOS	\$35.1m	\$36.1m	\$36.1m	\$37.3m	\$41.8m	\$45.3m	TBD	\$50.5m

* Funding included in the Navigation, Observations and Positioning funding line

** Includes \$1.5m for Regional Ocean Partnerships

FY 20 Request - \$43.7 m for Regional IOOS



INTEGRATED OCEAN OBSERVING SYSTEM - IOOS

Saving Lives, Protecting Health & Promoting Commerce



Image courtesy of NOAA

Mapping Surface Currents \$3.2m



Image courtesy of USC

Seeing Underwater with Coastal Gliders \$3.5m



Image courtesy of Ben Hollings, Blue Ocean Monitoring

OCEAN™

Legislation

- ICOOS -
 - S 914 -
 - Sen Wicker (R-MS) and Cantwell (D-WA) sponsors
 - Marked up in Committee
 - HR 1314
 - Rep Young (R-AK) sponsor
 - Hearing last week , w/Sea Grant
- Other bills
 - BLUE GLOBE (Bolstering Long-Term Understanding and Exploration of the GL, Oceans, Bays and Estuaries) Senate Ocean Caucus Bill on Monitoring,
 - NOPP – revitalizing the Nat'l Ocean Partnership Program
 - OA Bills in House COAST



Building Support in DC

SENATE OCEANS CAUCUS BRIEFING

Buoying our Nation's Economy: The Role of Ocean Data in Supporting the Blue Economy



SENATE OCEANS CAUCUS BRIEFING

Coastal Innovations: Enhancing security, economy and the environment



Major Milestone: Certified National Network



IOOS Implementation Meetings

Fall 2018 IOOS Meeting



Special Focus - Biology

- Fisheries
- Marine biodiversity
- HABs
- Sound
- New technologies
- Stakeholder needs
- Data integration

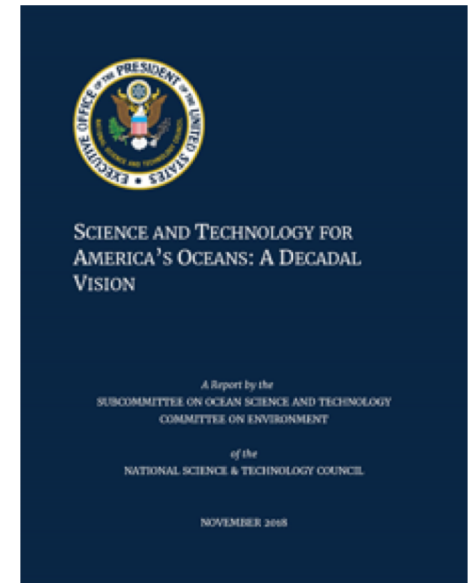
Spring 2019 IOOS Meeting



- HAB Observing Network
- Fisheries data integration

Upcoming

- Next five year proposal - 2020
- Ocean Obs 19 – Sept 16-20 Honolulu 20th Anniversary
- IOOS Federal Advisory Committee - June 3-4
 - Ru Member
- July Work Session - Future of the Gaps
 - Gaps Campaign, Aging Infrastructure, Emerging needs, Funding
- Economic Valuation Project – piloting this summer in 3 regions, expand to all next year – NERACOOS pilot
- National Partnerships – FoNOAA, Blue Group, NOS Roundtable, COL
- Hill - Monitor legislation - HABs, COAST, NOPP

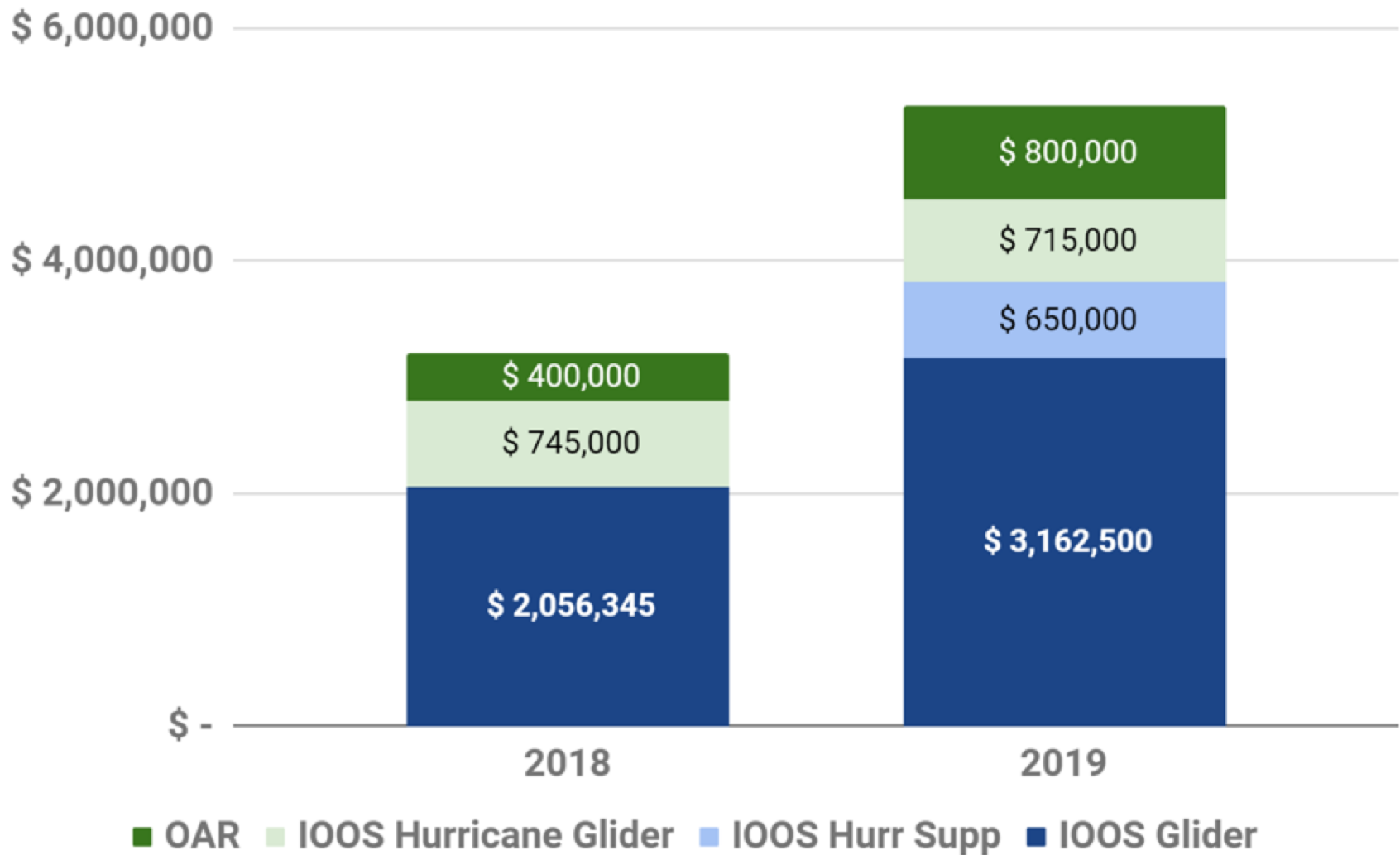


Thank you



IOOS & co. gliders 2018 - 2019

2018 & 2019 Estimated IOOS Glider Funding w/ OAR



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

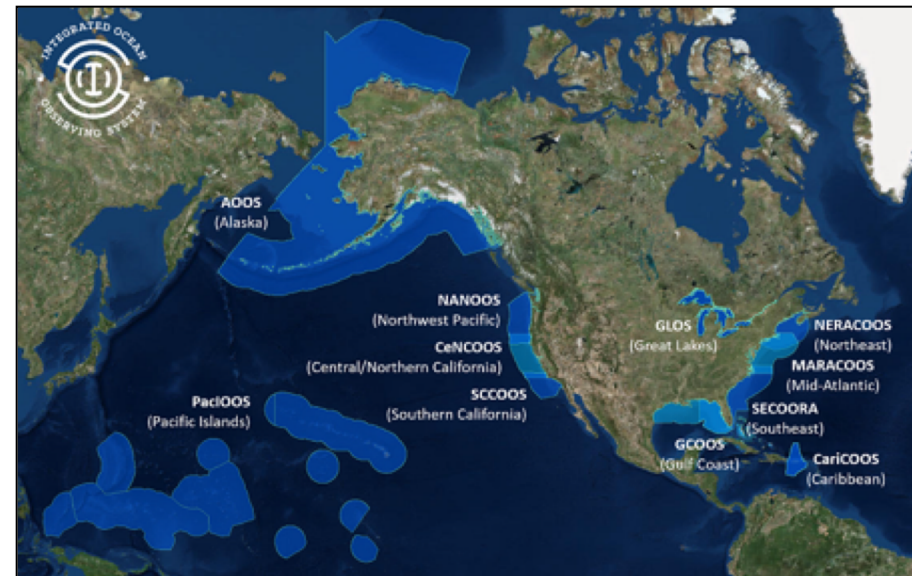


Regional Component

11 Regional Associations

Stakeholder driven

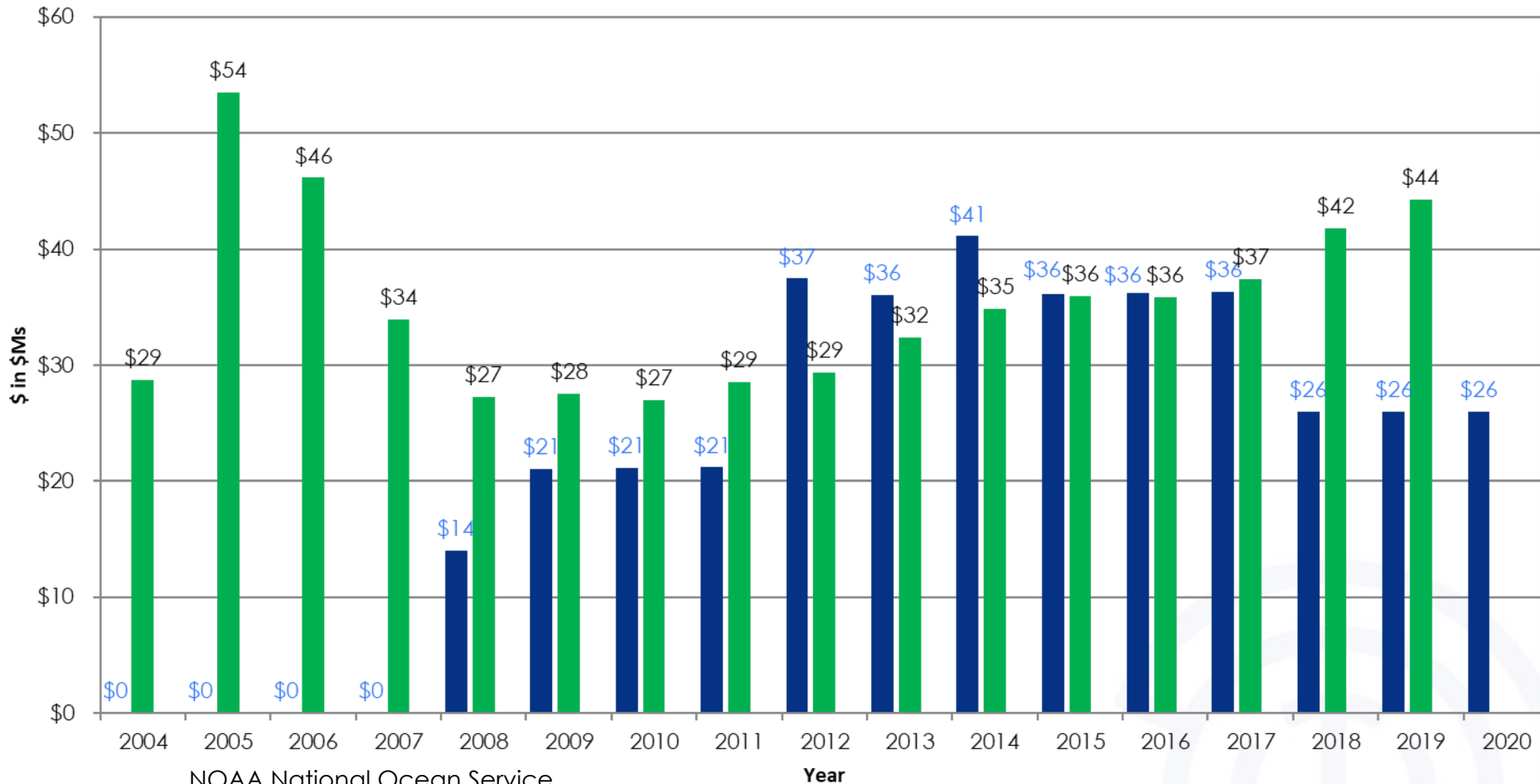
Academia, state/local/tribal government, private industry



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

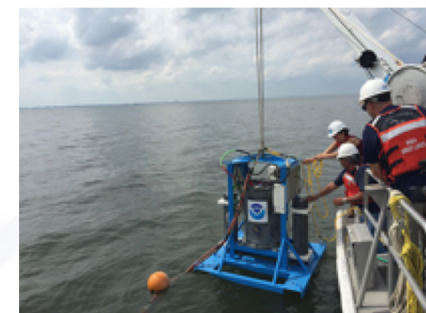
FY19 House Mark is first, next is Senate Mark, then Conference...

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
-
- **Filling gaps \$7.5M:** Surface Currents, Gliders, Streamlined Access to observation information
 - Biology and Harmful Algal Bloom Observing

Research and Development

- **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



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

