

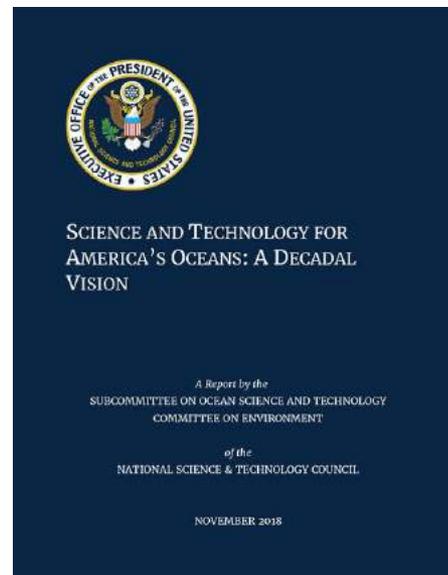
MBON Marine Biodiversity Observation Network

May 24, 2018
Carl Gouldman



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

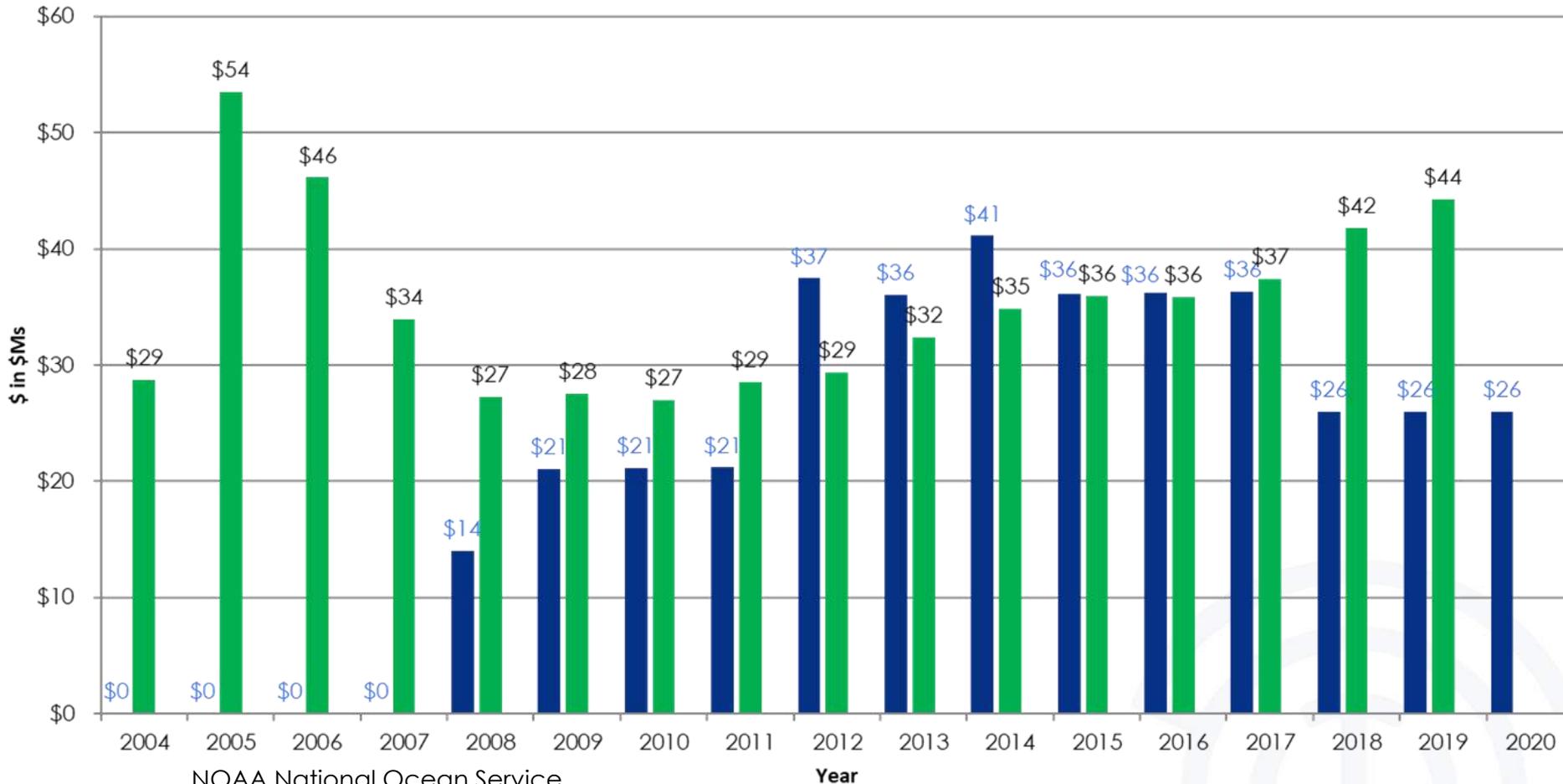


U.S. IOOS Enacted and President's Budgets FY04-20

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

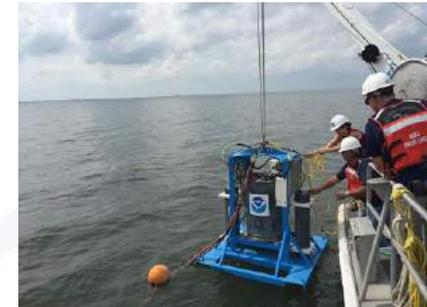
'Request' = the President's Budget Request

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

FY2019 IOOS Highlights

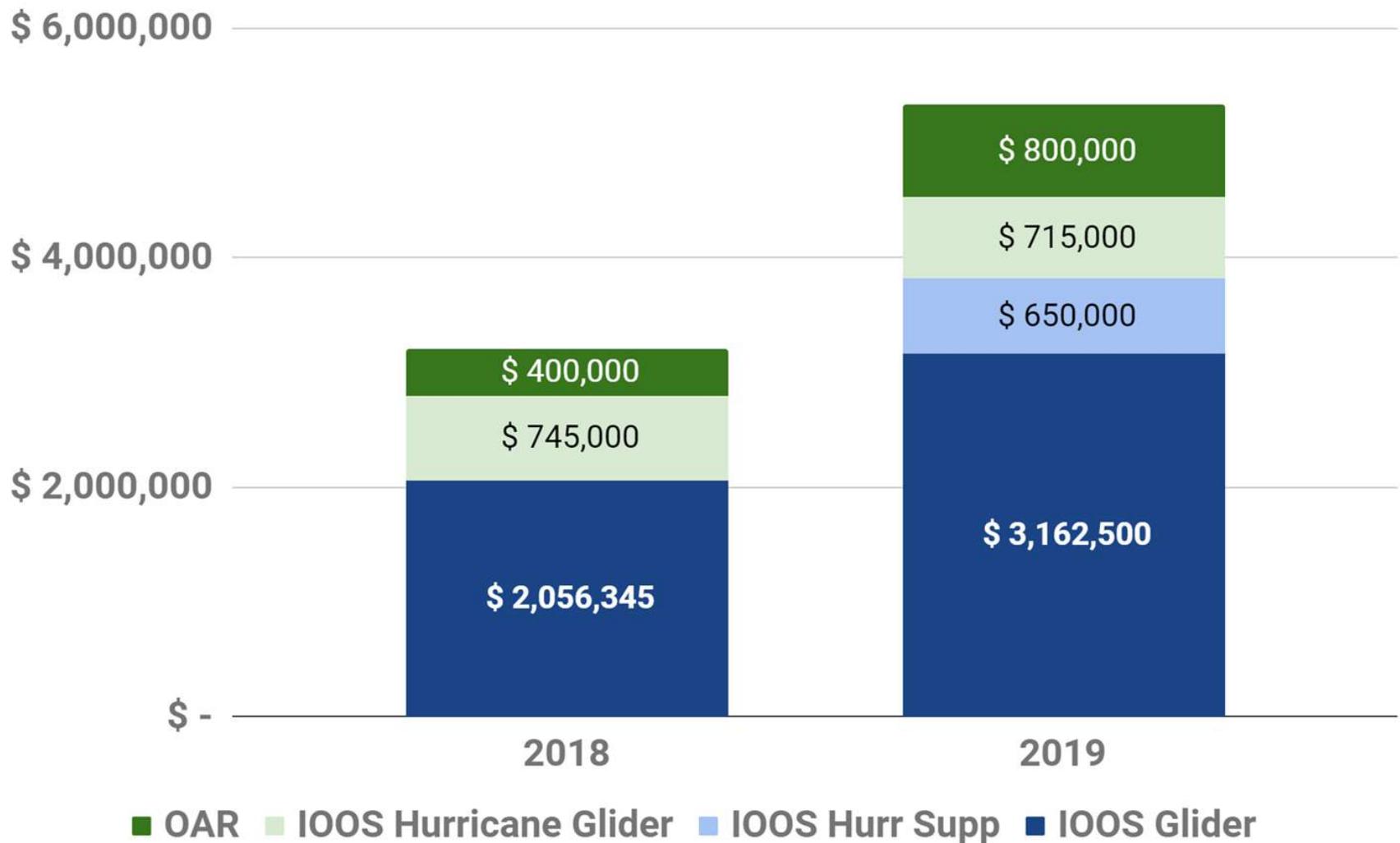
- Blue Economy
- Customer focus and stakeholder outreach
- ICOOS Act reauthorization
- NOAA Weather Act & NOAA Water Initiative
- CENOTE Act 2018 (Commercial Engagement Through Ocean Technology Act of 2018)
- IOOS Advisory Committee

- **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

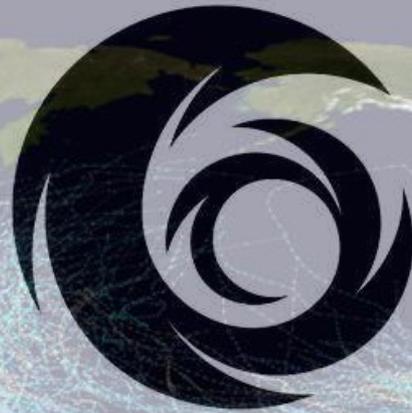


IOOS & co. gliders 2018 - 2019

2018 & 2019 Estimated IOOS Glider Funding w/ OAR



Hurricanes are coming



STORMS GATHER
AND THE WATCH BEGINS



hurricane intensity forecasting team

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.**



STORMS GATHER
AND THE WATCH BEGINS



hurricane intensity forecasting team

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