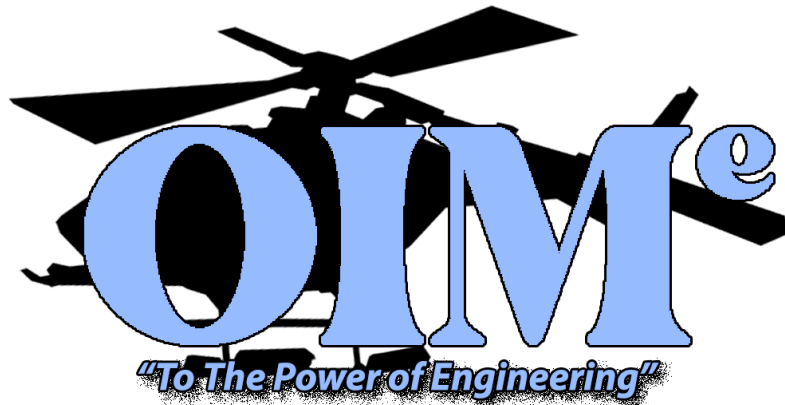


Surveillance and Broadcast Services

FAA Offshore Infrastructure Management
and Engineering Team



Presented to: FAA - Industry Gulf of Mexico
Agreement Implementation Committee

By: Rana Obeid, Federal Lead

Date: October 9, 2024



FAA-Agreement Implementation Committee “AIC”

Why are we here?

- **The AIC is a product of the 2006 FAA-Industry Gulf of Mexico Memorandum of Agreement and subsequently carried over by the 2021 Memorandum of Understanding between FAA, HSAC, and HAI for aviation safety in the Gulf of Mexico**
- **The purpose of the AIC is to foster cooperation, commitment, accountability, and trust to improve and sustain quality Air Traffic Services in the Gulf**
- **The AIC assists the FAA in strategic planning by providing feedback / recommendations**
- **The AIC is used to assess the coverage of installed FAA equipment and whether additional areas should be addressed**

Safety / Service

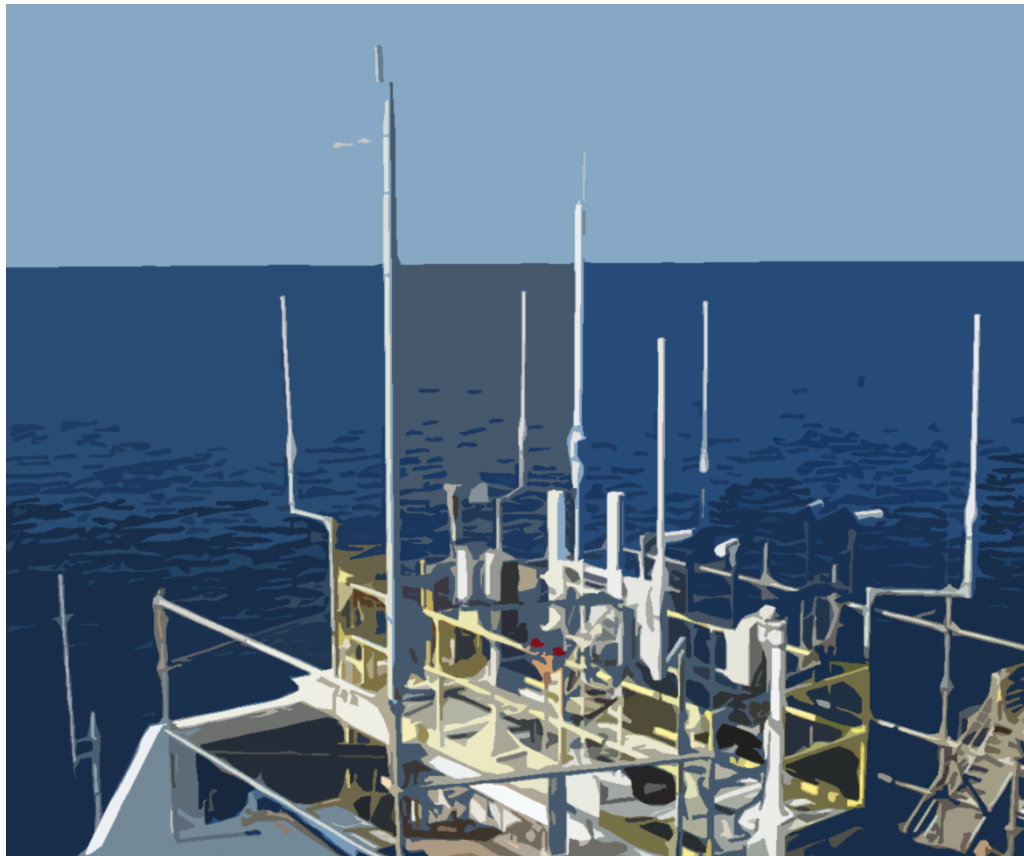


Agenda

- Regular Business
 - FAA Infrastructure Projects
 - 5-Year Outlook
 - AWOS, ADS-B, & VHF Comm Coverage
 - Installation Updates
- New Business
 - Industry Support
 - Traffic Count & Traffic Trends
 - Community Awareness
 - AIC Decisions



FAA Infrastructure Status



Newly Commissioned TAH AWOS

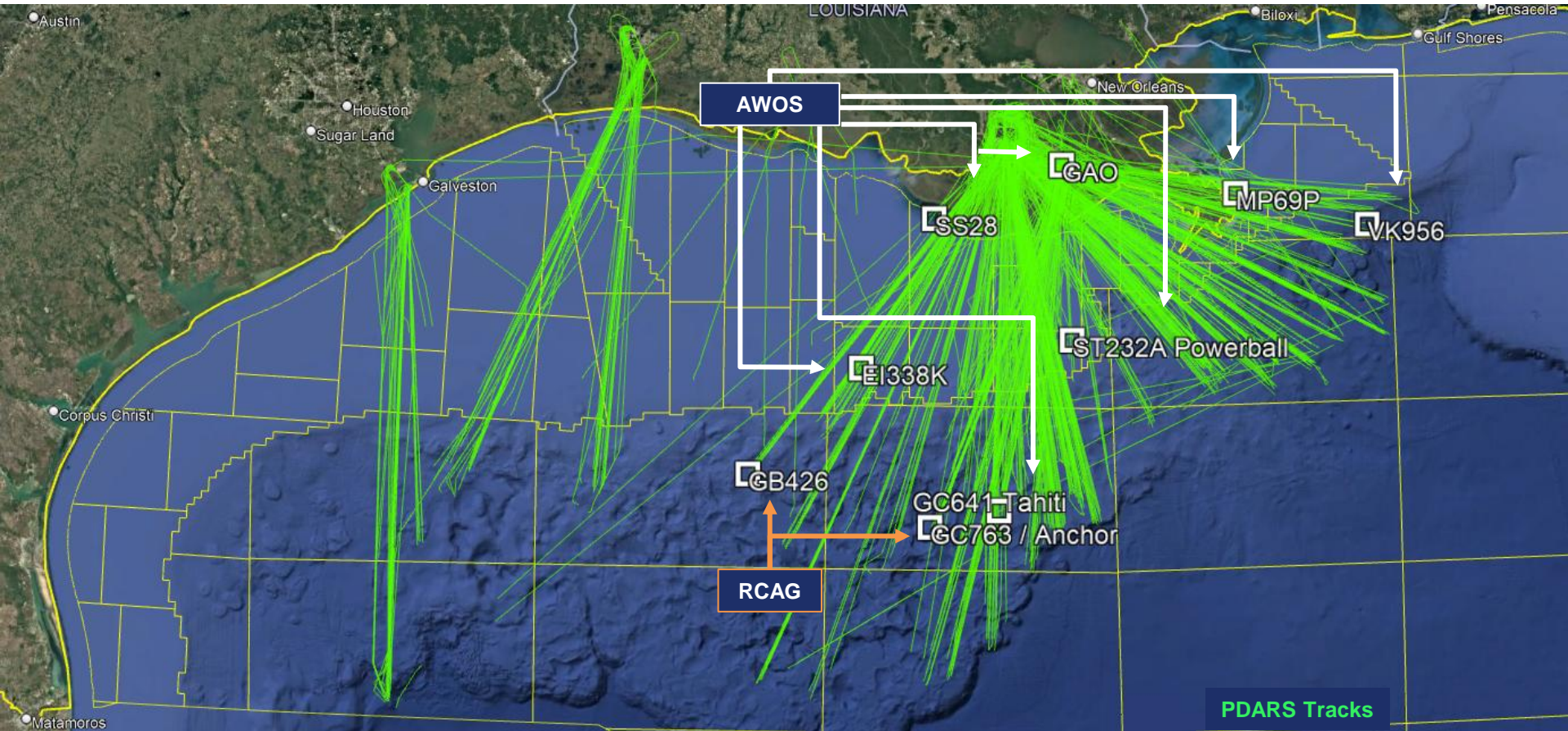
Wind Sensor



Visibility Sensor

Extended Decking
with Handrails

2024-25 Offshore Installation Projects



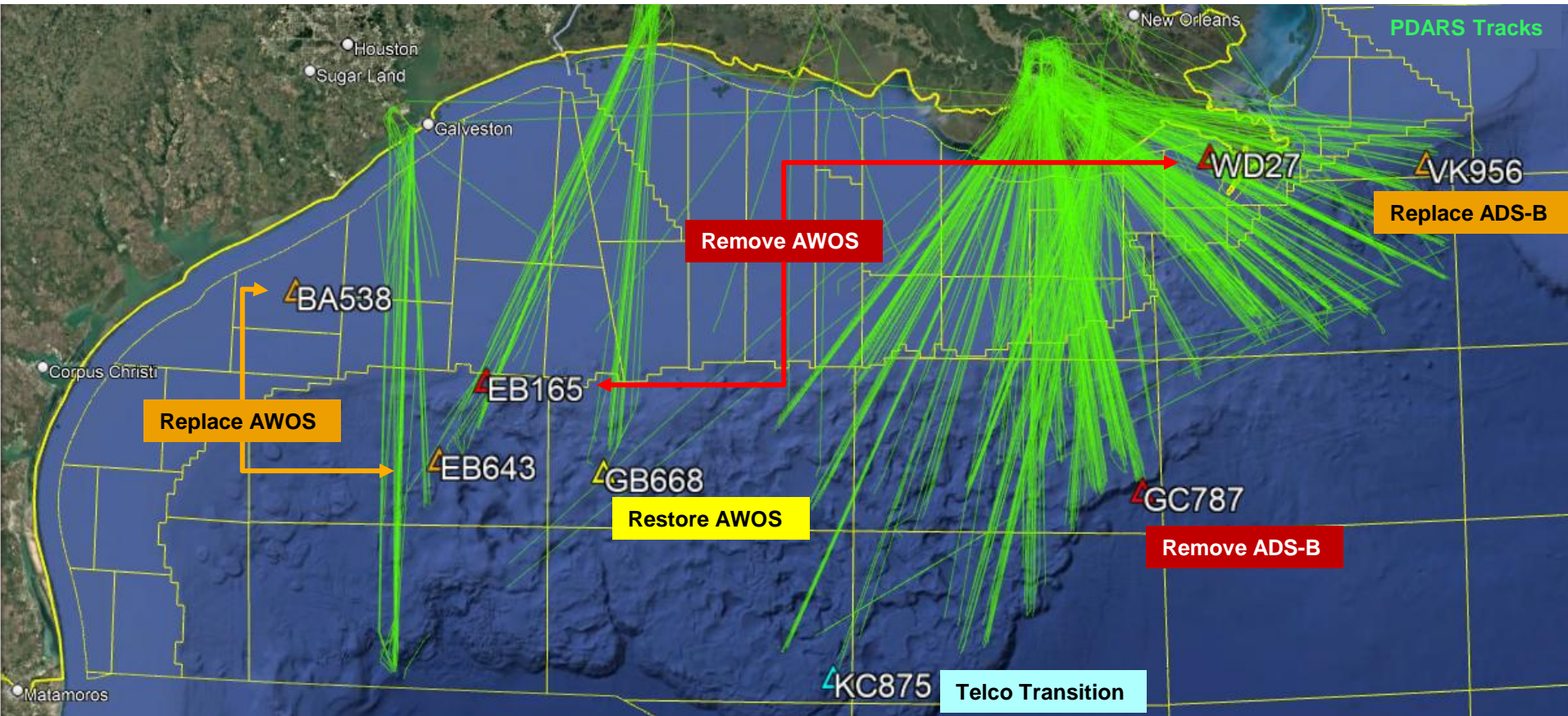
AWOS Commissionings:

- | | |
|--------------------------------|------------------|
| ✓ Green Canyon 641 | Main Pass 69B |
| Eugene Island 338K (Oct 2024) | Galliano, LA |
| South Timbalier 232 (Nov 2024) | Viosca Knoll 956 |
| Ship Shoal 28P | |

ADS-B/RCAG Commissionings:

- ✓ RCAG Green Canyon 763 (Mar 2024)
- ✓ ADS-B Green Canyon 763 (Jun 2024)
- RCAG Garden Banks 426

2024-25 Offshore Sustainment Projects



- ✓ Remove AWOS West Delta 27
- ✓ Remove ADS-B Green Canyon 787
- ✓ Restore ADS-B Garden Banks 668
- ✓ Remove... then Replace AWOS Brazos 538 (Oct/Nov 2024)
- Replace AWOS East Break 643 (Oct 2024)
- Replace ADS-B Viosca Knoll 956
- RCAG + ADS-B Telco Transition Keathley Canyon 875
- Remove AWOS East Break 165



5-Year Outlook

Projected AWOS Losses within 5 Years

1. Alaminos Canyon 25
2. **East Breaks 165** – AWOS decommissioned
3. East Breaks 643A
4. East Cameron 321A
5. **Garden Banks 668**
6. Garden Banks 783

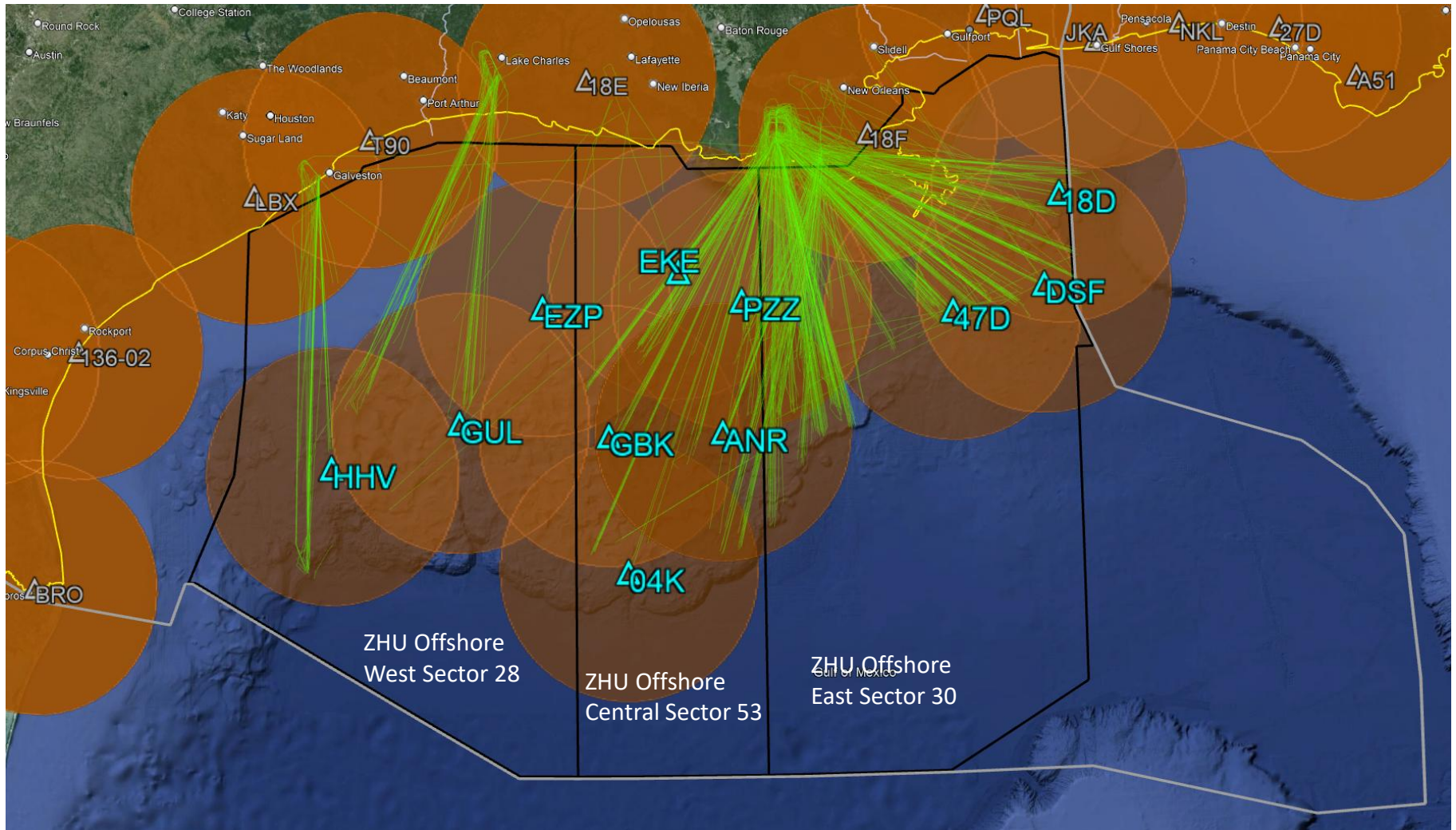
- = No replacement identified, seeking replacement suggestions
- = Replacement not planned
- = Possible replacement identified

AWOS, ADS-B, & VHF Comm Coverage

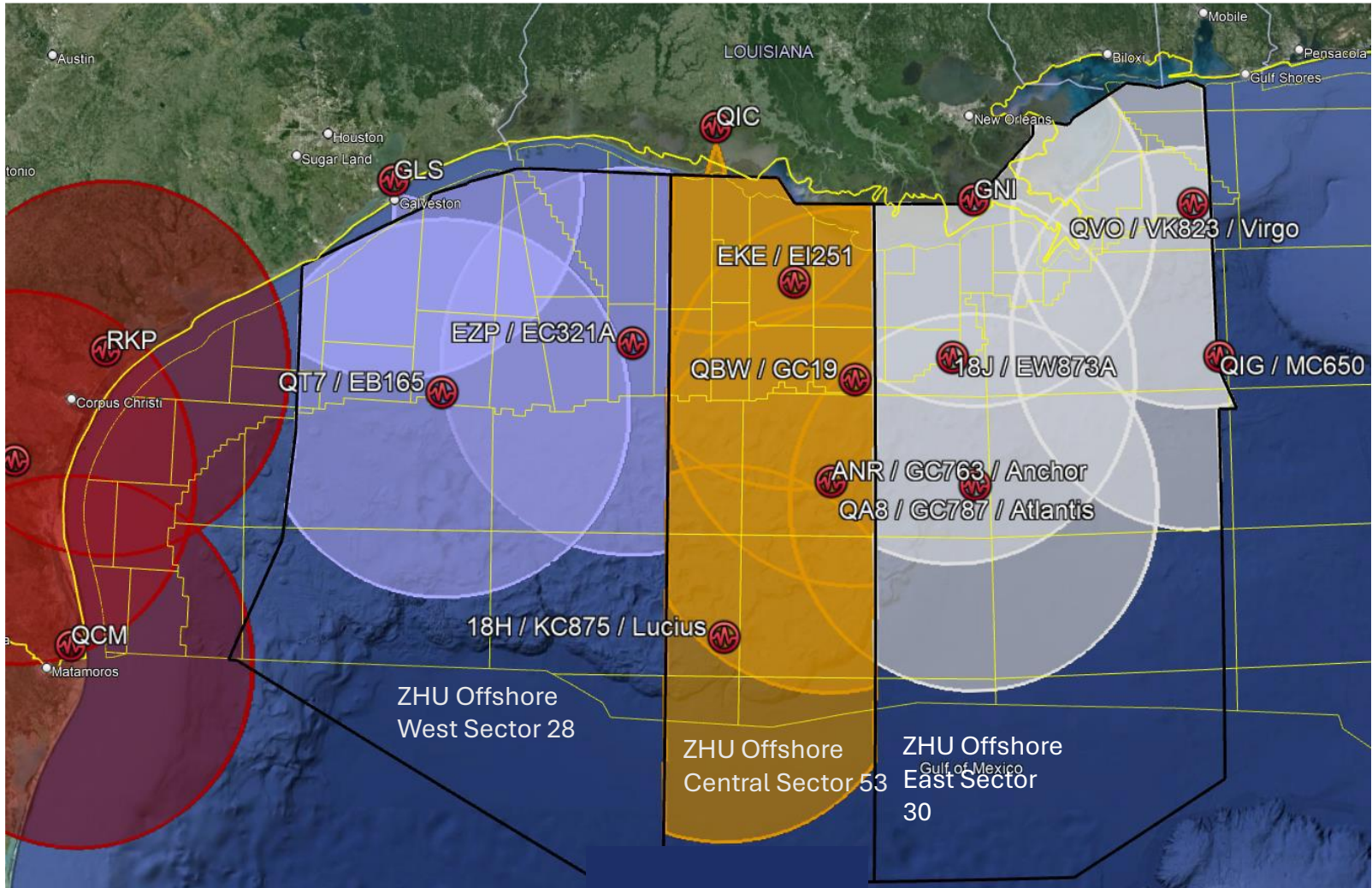
Colleen Ahlers
Implementation Lead



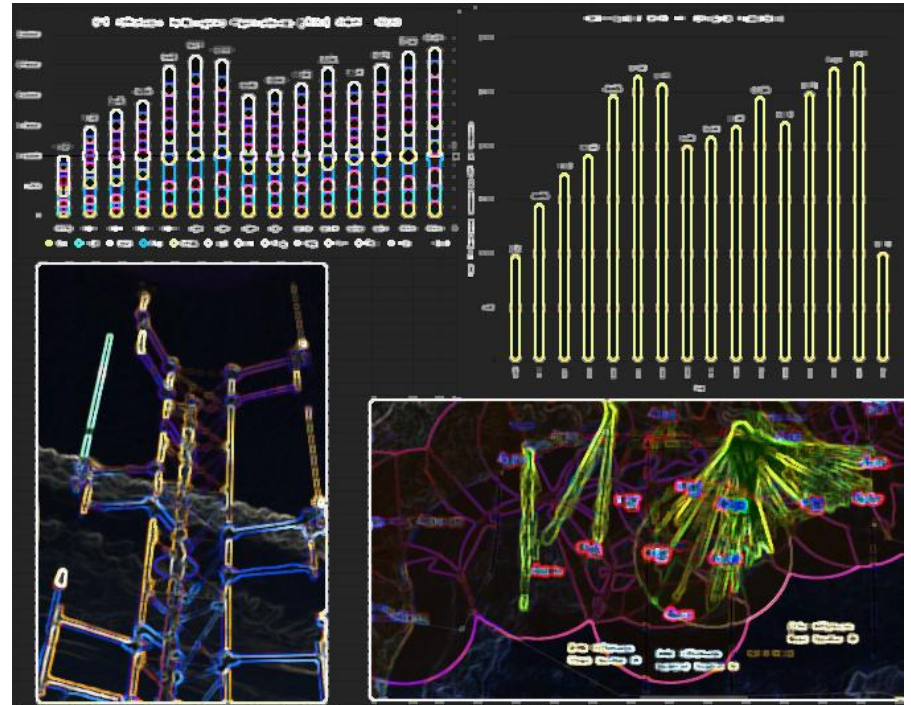
Current ADS-B Coverage 1500' MSL



Current RCAG Coverage

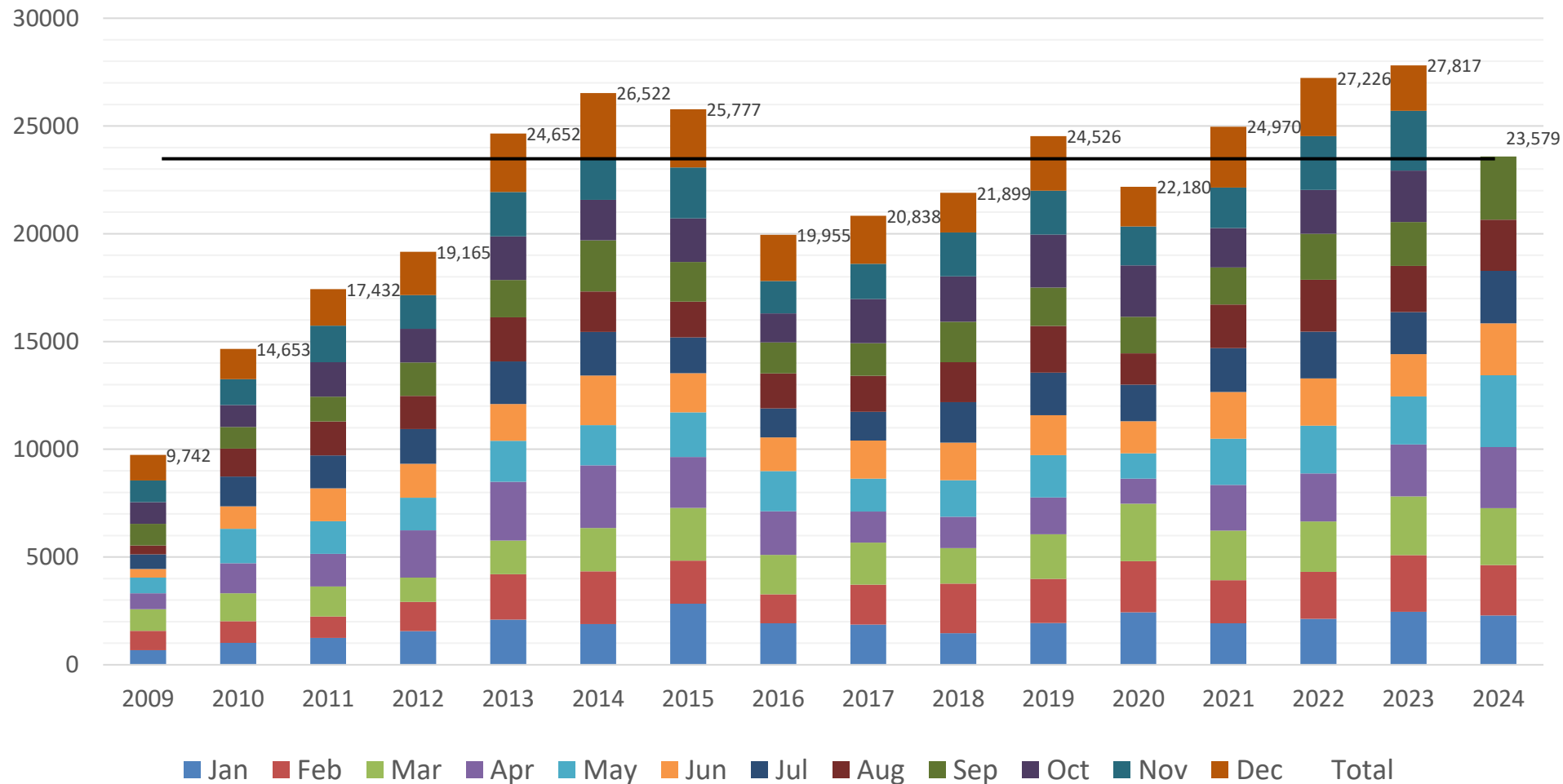


Traffic Count & Trends



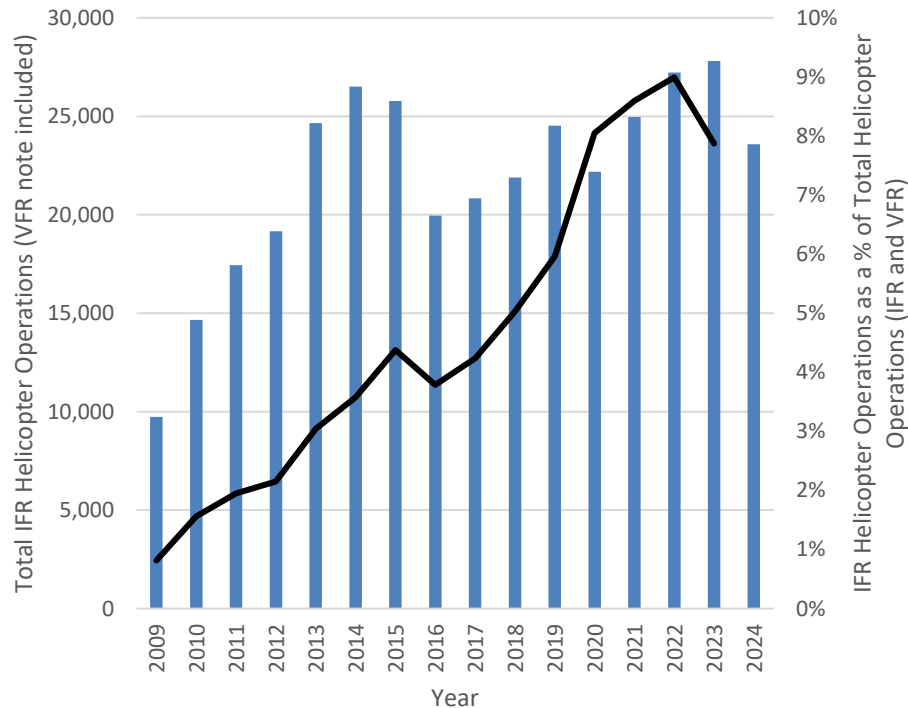
ZHU IFR Offshore Traffic Count Chart

IFR Offshore Helicopter Operations (ZHU) 2009 - 2024

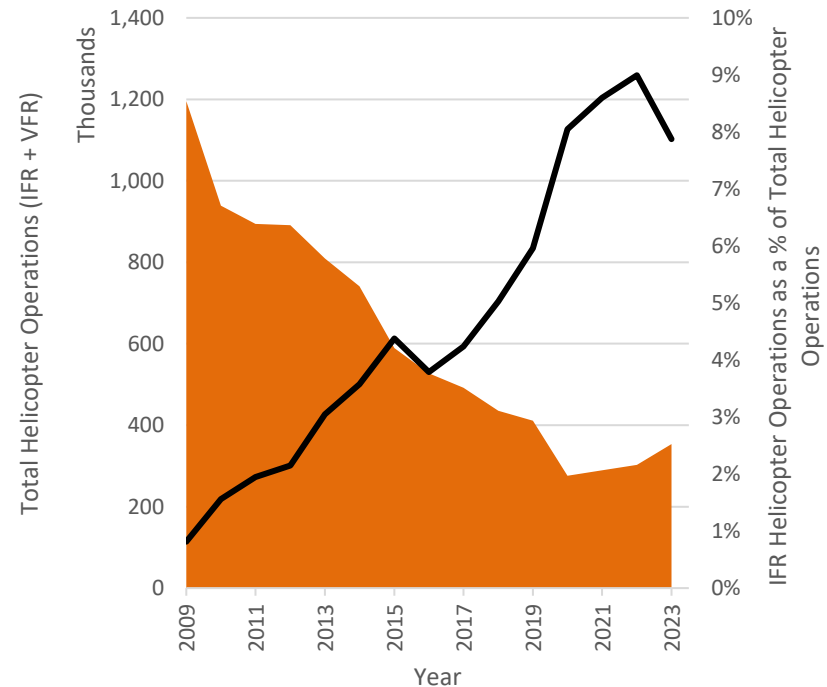


IFR Offshore Helicopter Traffic Trends

GOM IFR Helicopter Operations and % IFR of Total



GOM Total Helicopter Operations



Observations:

- **2023 achieved second year-over-year increase in total helicopter ops**
- **2023 Total VFR operations grew by a greater percentage than IFR ops**

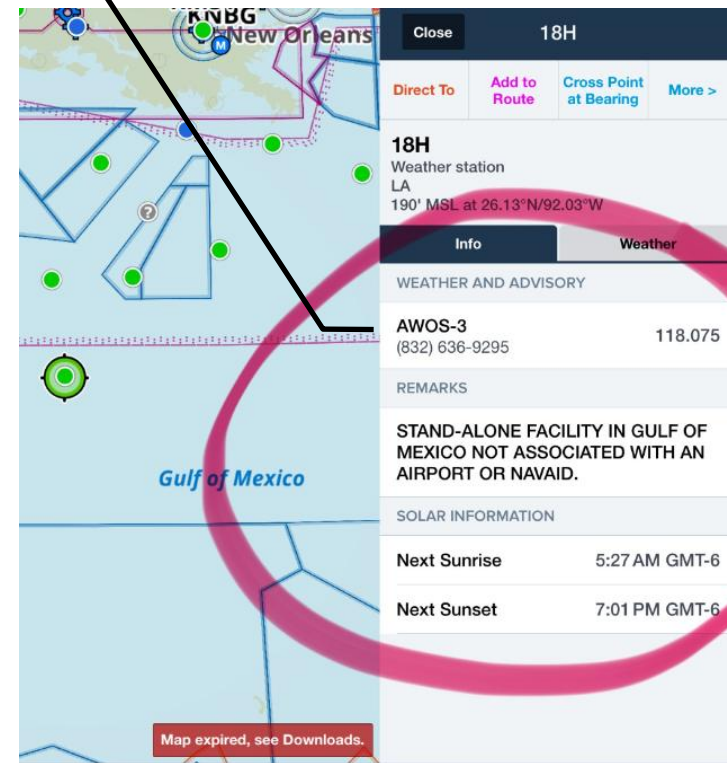
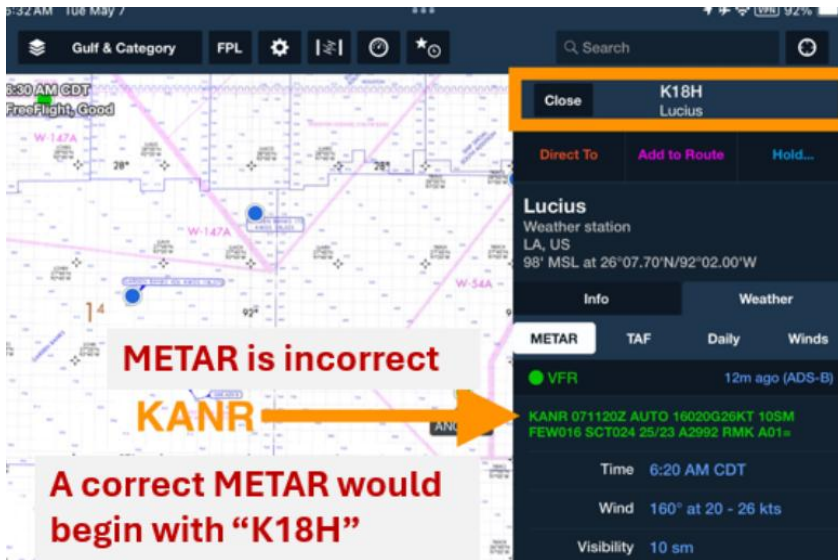


Community Awareness

Community Awareness

1. Anticipate BA538 AWOS outage to continue through November 2024
2. ForeFlight Efforts
 - a. K18H-KANR METAR mismatch event **CLOSED**
 - b. GOM AWOS additions (FAA-VAI-FF)
 - c. Weather Boxes

AWOS Phone #s and Site Remarks now accessible!



AIC Decisions

Rana Obeid
Federal Lead



Considerations for AIC Decisions

- 1. 35 AWOS Stations at our disposal**
- 2. Annual guideline includes:**
 - 2x AWOS Installations**
 - 1 ADS-B Installation**
 - 1 RCAG Installation**
- 3. Funding and Requirement Allocations for FY26-30 are currently under review and will establish resource availability**



AIC Decision Status Updates

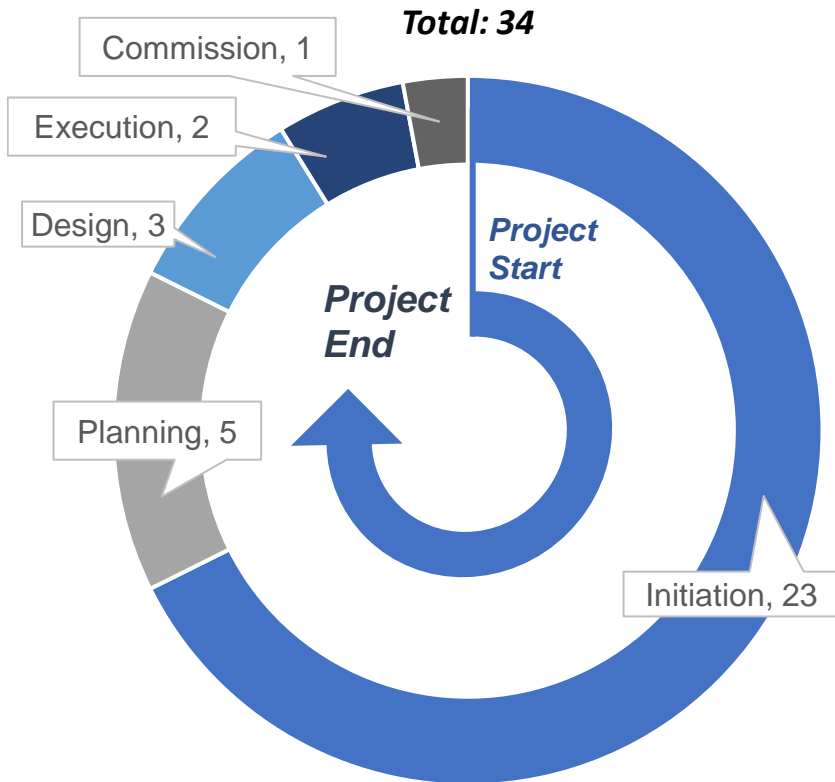
At recent AIC meetings, FAA and industry Stakeholders made the following decisions about AWOS coverage:

1. Conduct to site survey Main Pass 283 for AWOS – Closed

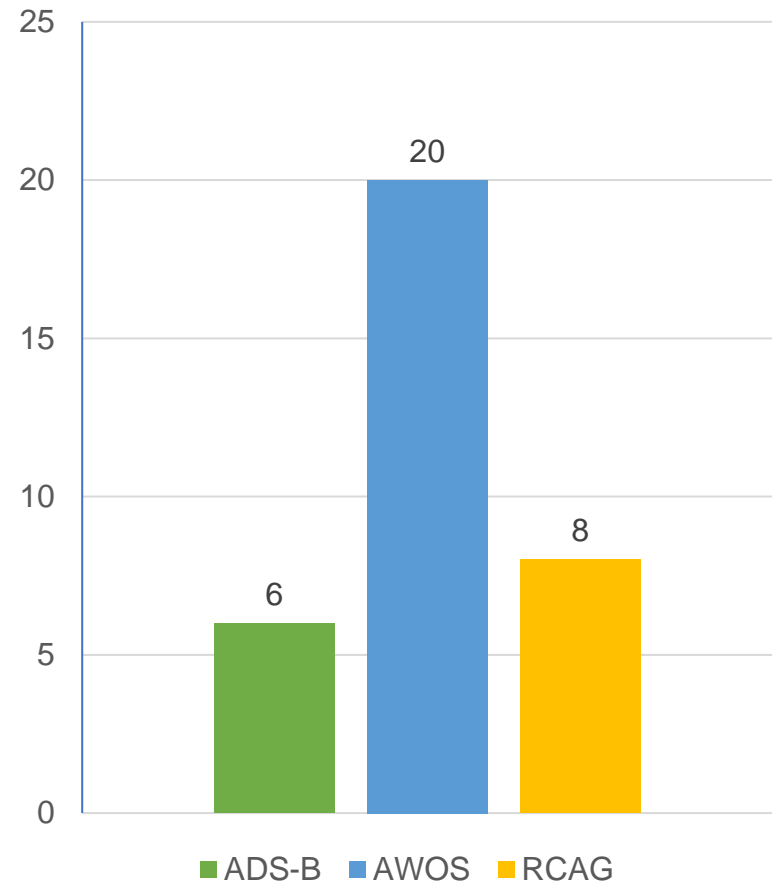


What Happens after AIC Decision?

Number of Installation Projects in each Project Management Phase



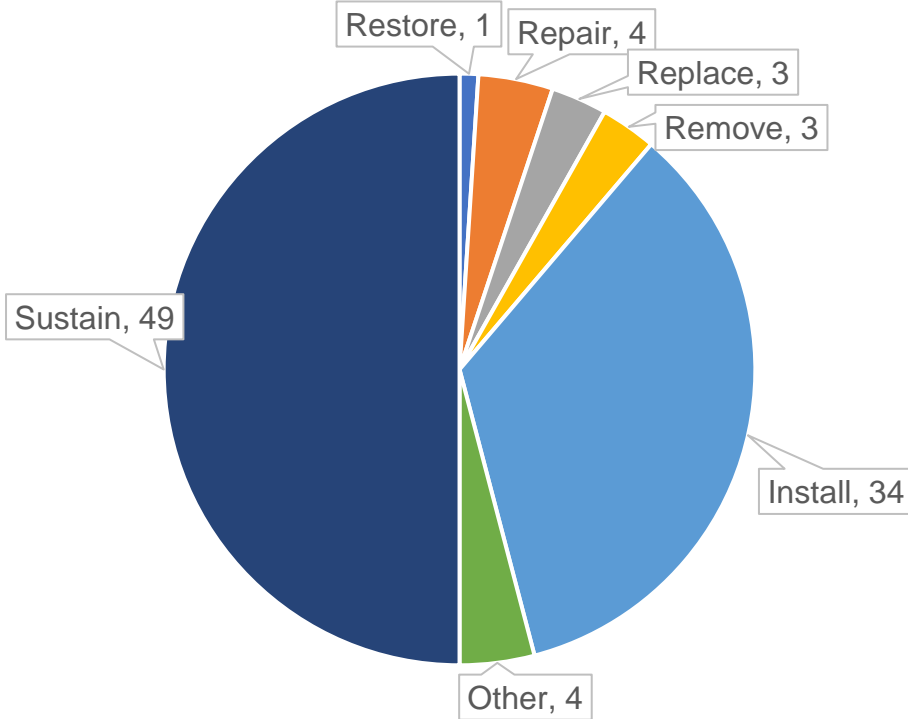
Equipment Type and Count



OIMe Activity Chart

Total Project Count: 98

Project Category and Count



Project Category	Description
Install	Deploy new/refurbished equipment to a new location
Restore	To bring a system which is 100% offline to working status
Repair	Perform corrective maintenance causing a partial outage
Remove	Recover equipment from a platform
Replace	Deploy new/refurbished equipment to an <i>existing</i> location
Sustain	Maintain currently operational equipment
Other	Administrative projects such as updating published agency documents

Project – Efforts to manage 1 system in the specified life-cycle category

AIC Decision / Discussion

Allan Overbey
Subject Matter Expert

For Consideration:

Development of an AIC Terms of Reference

DC BUS Update

Billie Dye

Gulf Coast Group
District Facilities Manager

Battery Bank



Battery Charger



Closing Comments

Rana Obeid
Federal Lead



Industry Support

Installation Challenge: Achieve 35 AWOS (+10) Commissioned!



Industry support needed to achieve the goal:

Energy Companies / FAA:

- ✓ Expedite Memorandum of Agreements
- ✓ Travel for Site Surveys
- ✓ People On Board allocation
- ✓ General Prioritization among competing offshore projects



Helicopter Operators / FAA:

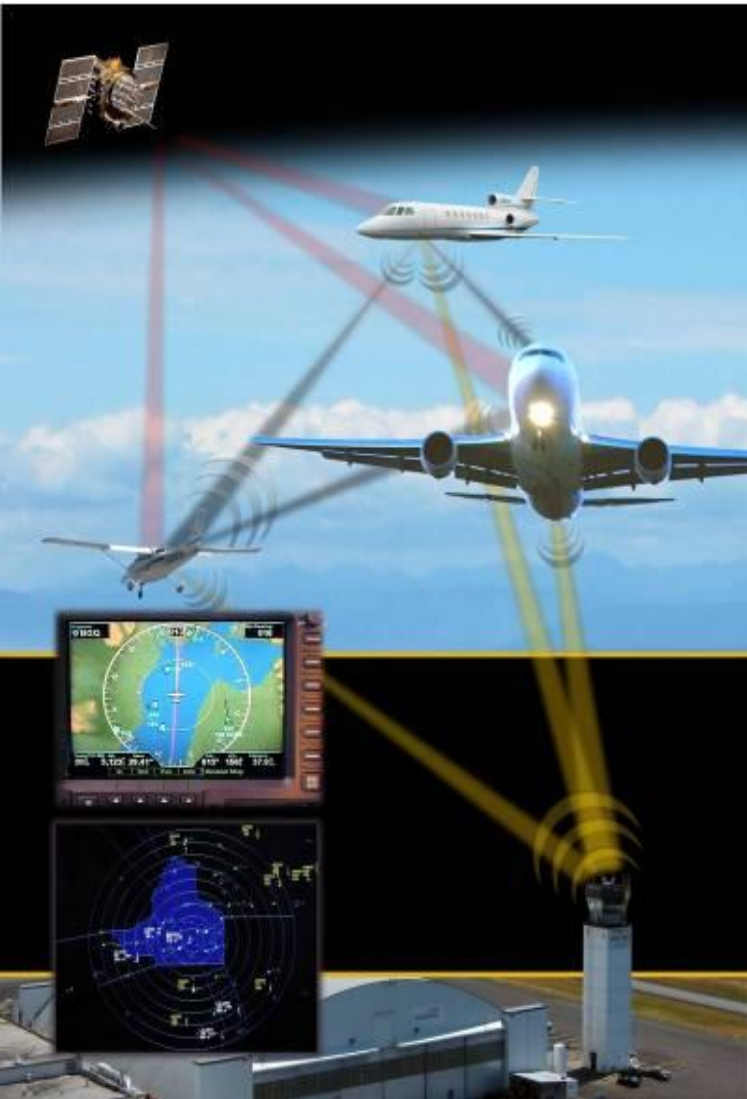
- ✓ Travel for Site Surveys
- ✓ Garner Energy Company Support



Tech Refresh Challenge: Remove and Replace ALL AWOS in the near future



FAA Offshore Infrastructure Management & Engineering (OIMe)



Rana Obeid
Project Lead
202-386-9823
rana.obeid@faa.gov

Alexandra Charity
Project Manager
443-472-5920
alexandra.d.charity@faa.gov

Allan Overbey
Project Manager
202-270-9175
adoverbey@gems-inc.com

Billy Majeau
Project Manager
202-763-5844
wmajeau@gems-inc.com

Jennifer Goldsmith
Agreements Lead
202-375-4857
jgoldsmith@gems-inc.com

Colleen Ahlers
Implementation Lead
202-515-0054
cahlers@gems-inc.com

Rhonda Carraway
Transportation
202-329-9285
rhonda@gems-inc.com

Bob Herak
Air Traffic Requirements
216-509-8932
bherak@regulus-group.com

Mitch Olshansky
Project Manager
202-836-5251
molshansky@regulus-group.com