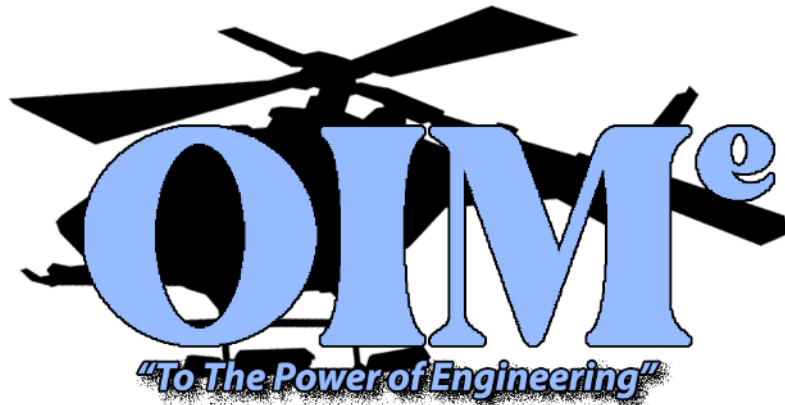


Surveillance and Broadcast Services

FAA Offshore Infrastructure Management
and Engineering Team



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

By: Rana Obeid, Federal Lead

Date: January 15, 2025





BIGGEST SNOWSTORM IN YEARS

01. 2025



AFFORDABLE HOUSING IN D.C.

01.2025

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 VAI 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

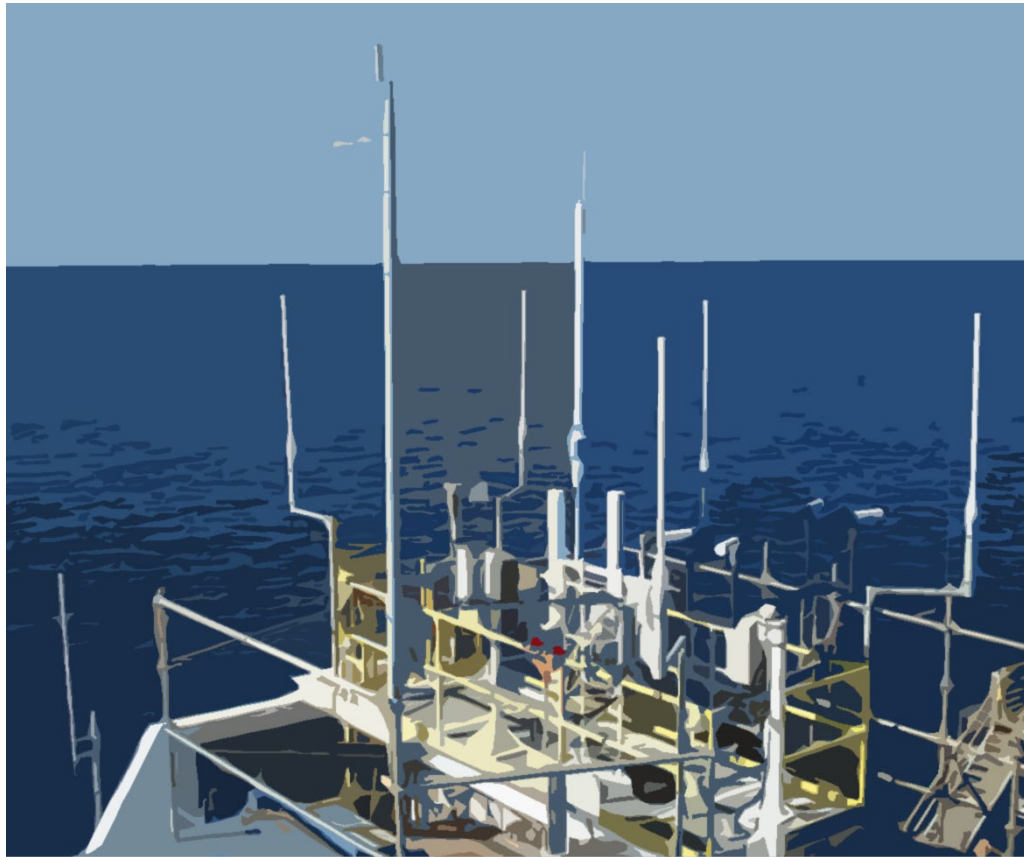


Agenda

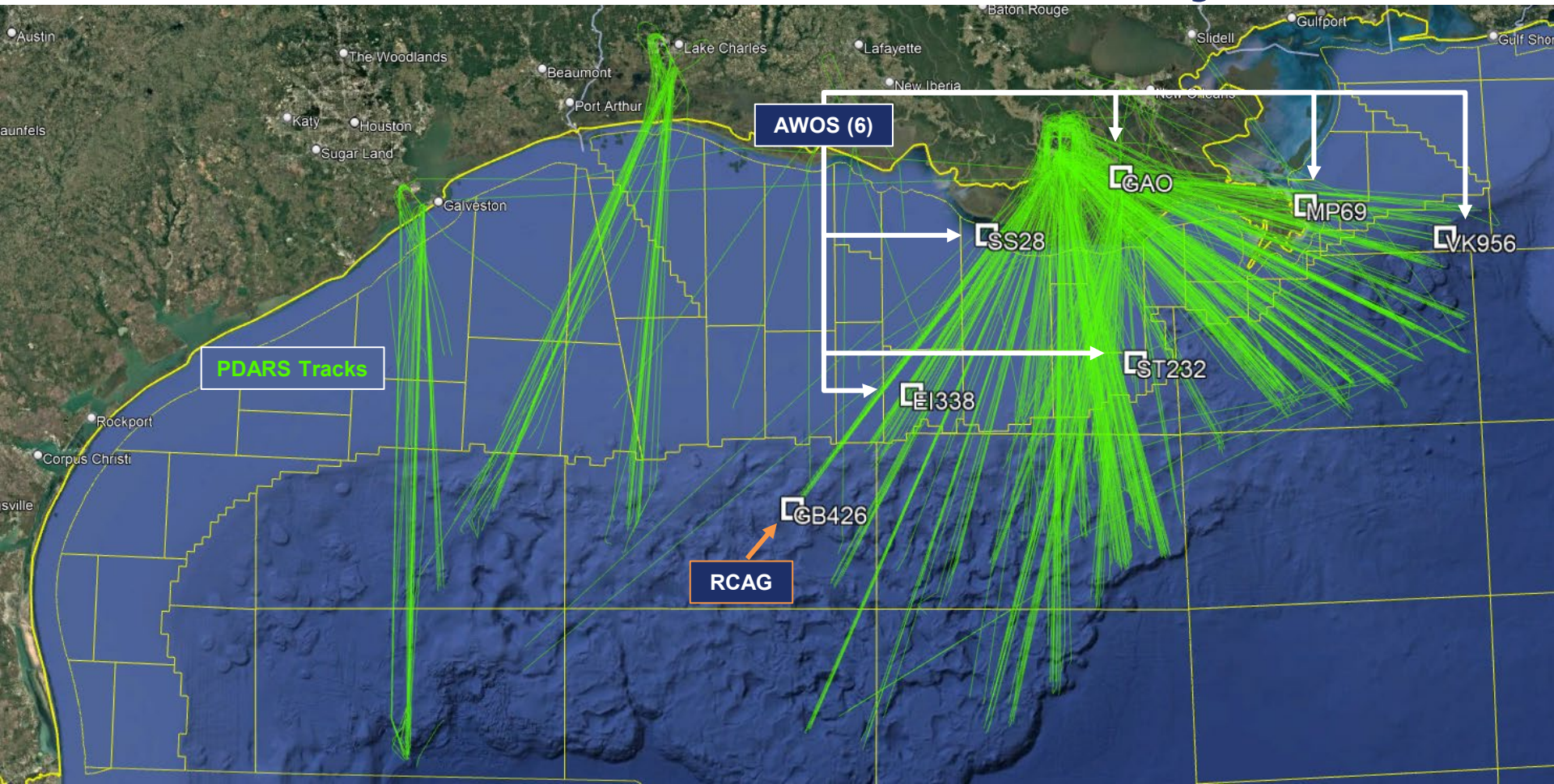
- Regular Business
 - FAA Infrastructure Projects
 - 5-Year Outlook
 - AWOS, ADS-B, & VHF Comm Coverage
 - Installation Updates
- New Business
 - Industry Support
 - Traffic Count & Traffic Trends
 - Community Awareness



FAA Infrastructure Status



2025 Offshore Installation Projects



AWOS Commissionings:

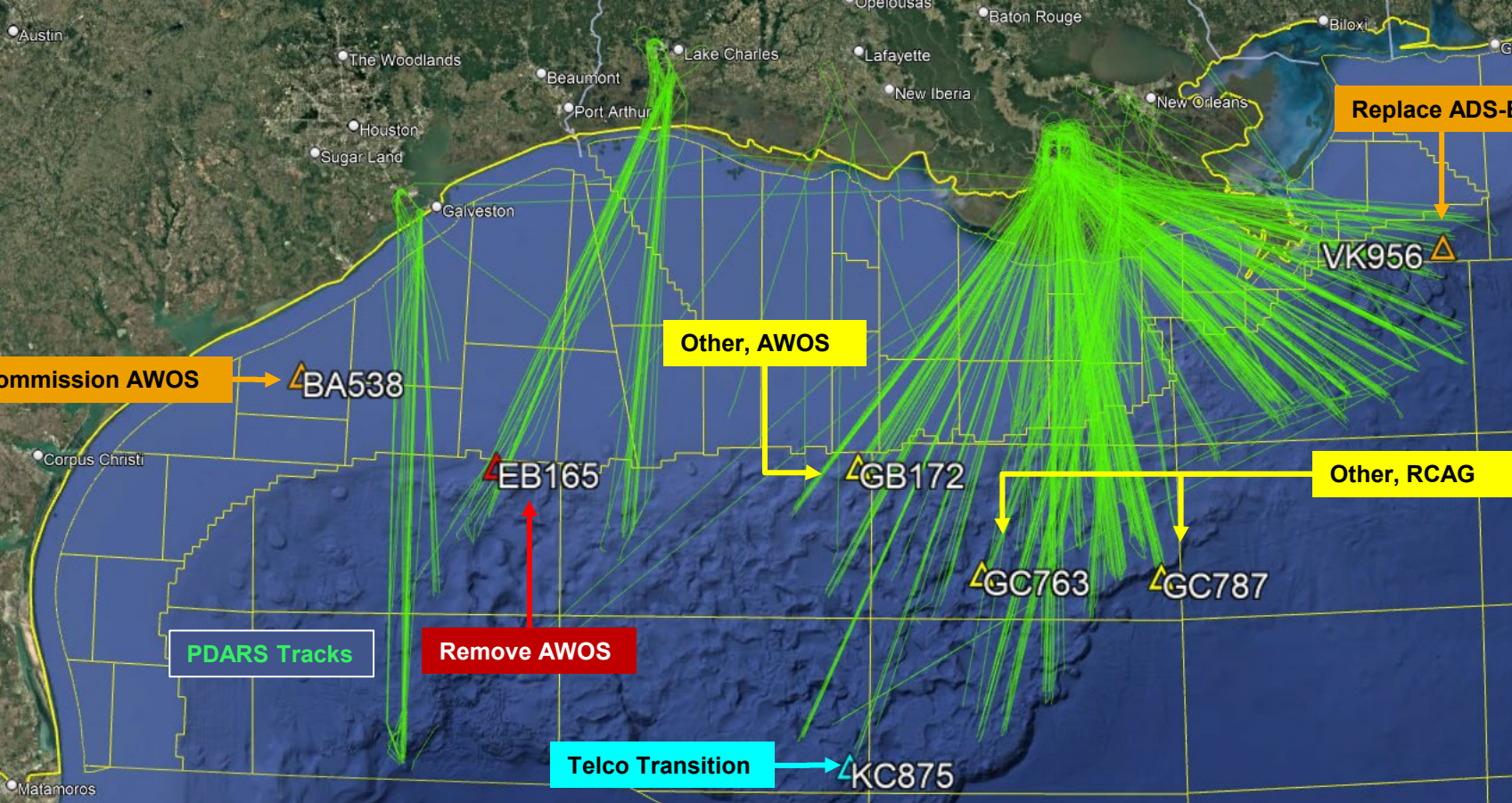
Eugene Island 338 (Feb 2025)	Main Pass 69
South Timbalier 232 (Feb 2025)	Galliano, LA
Ship Shoal 28	Viosca Knoll 956

ADS-B/RCAG Commissionings:

RCAG Garden Banks 426



2025 Offshore Sustainment Projects



Re-commission AWOS Brazos 538
Remove AWOS East Break 165
Replace ADS-B Viosca Knoll 956

ADS-B Telco Transition Keathley Canyon 875
Monitor RCAG Green Canyon 787
Resolve Bleedover onto RCAG Green Canyon 763
Resolve AWOS Bleedover onto PA at Garden Banks 172





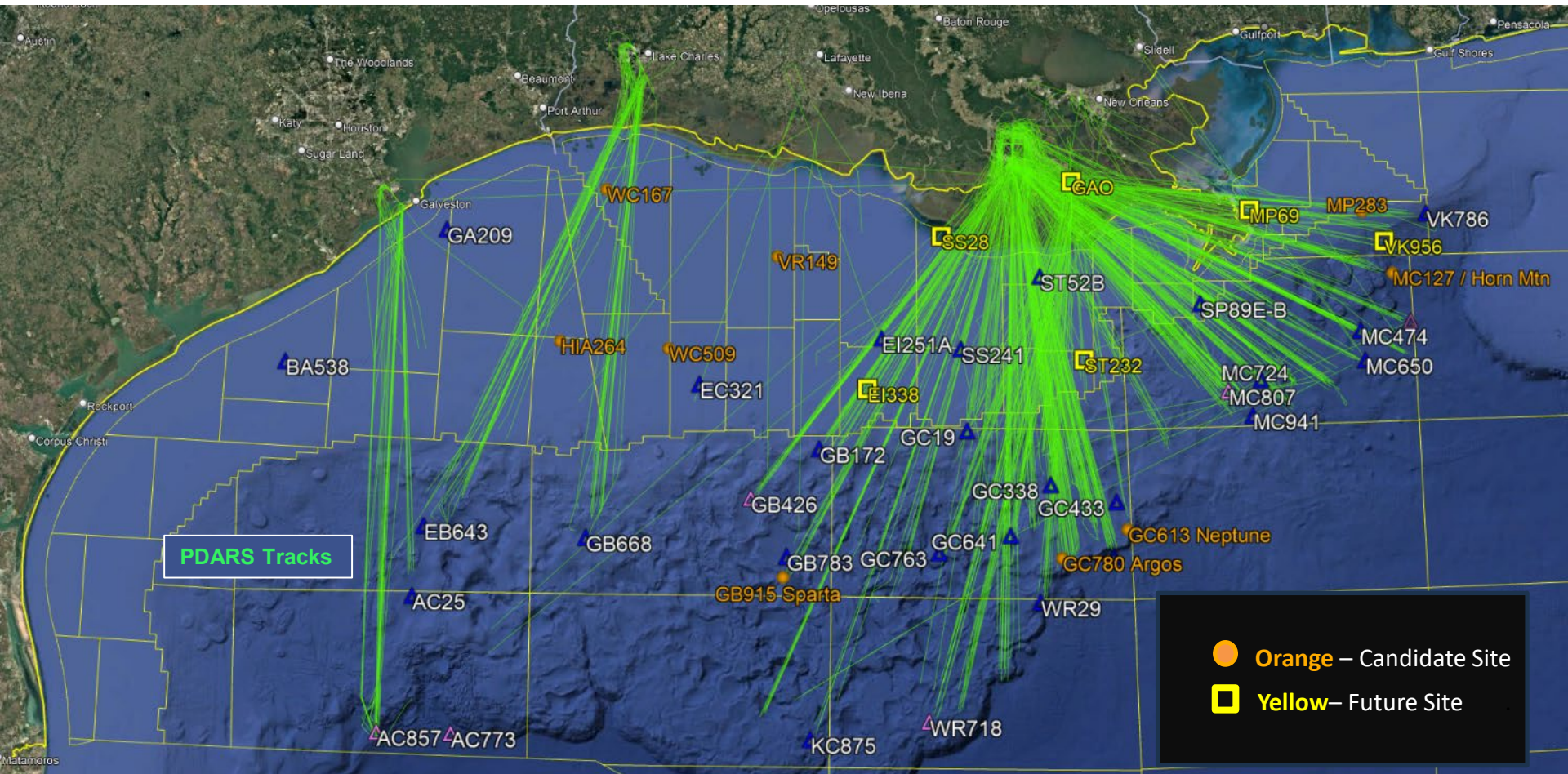
5-Year Outlook

Projected AWOS Losses within 5 Years

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

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

Candidate Sites Identified for AWOS Installation Within Next 5 Years

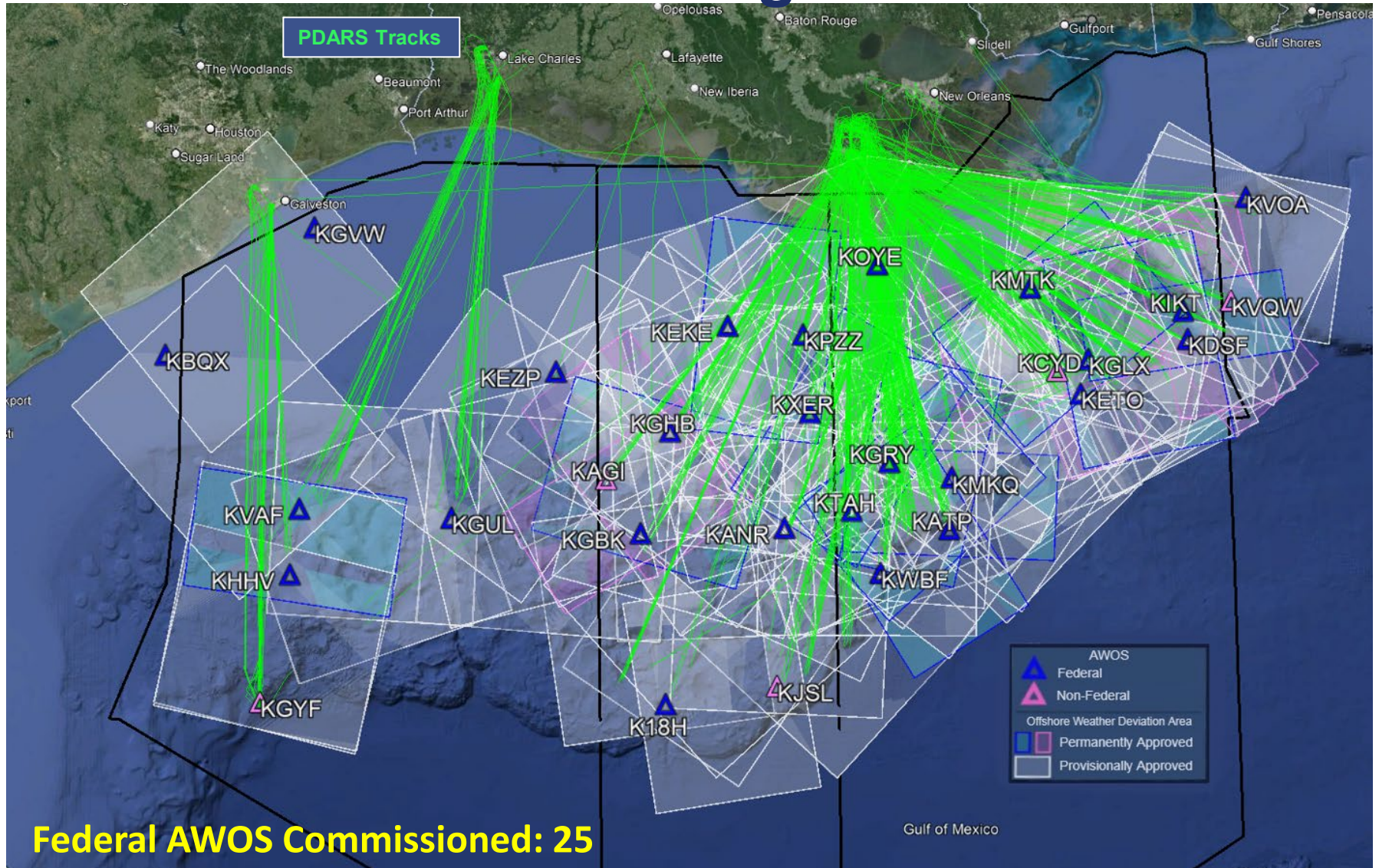


AWOS, ADS-B, & VHF Comm Coverage

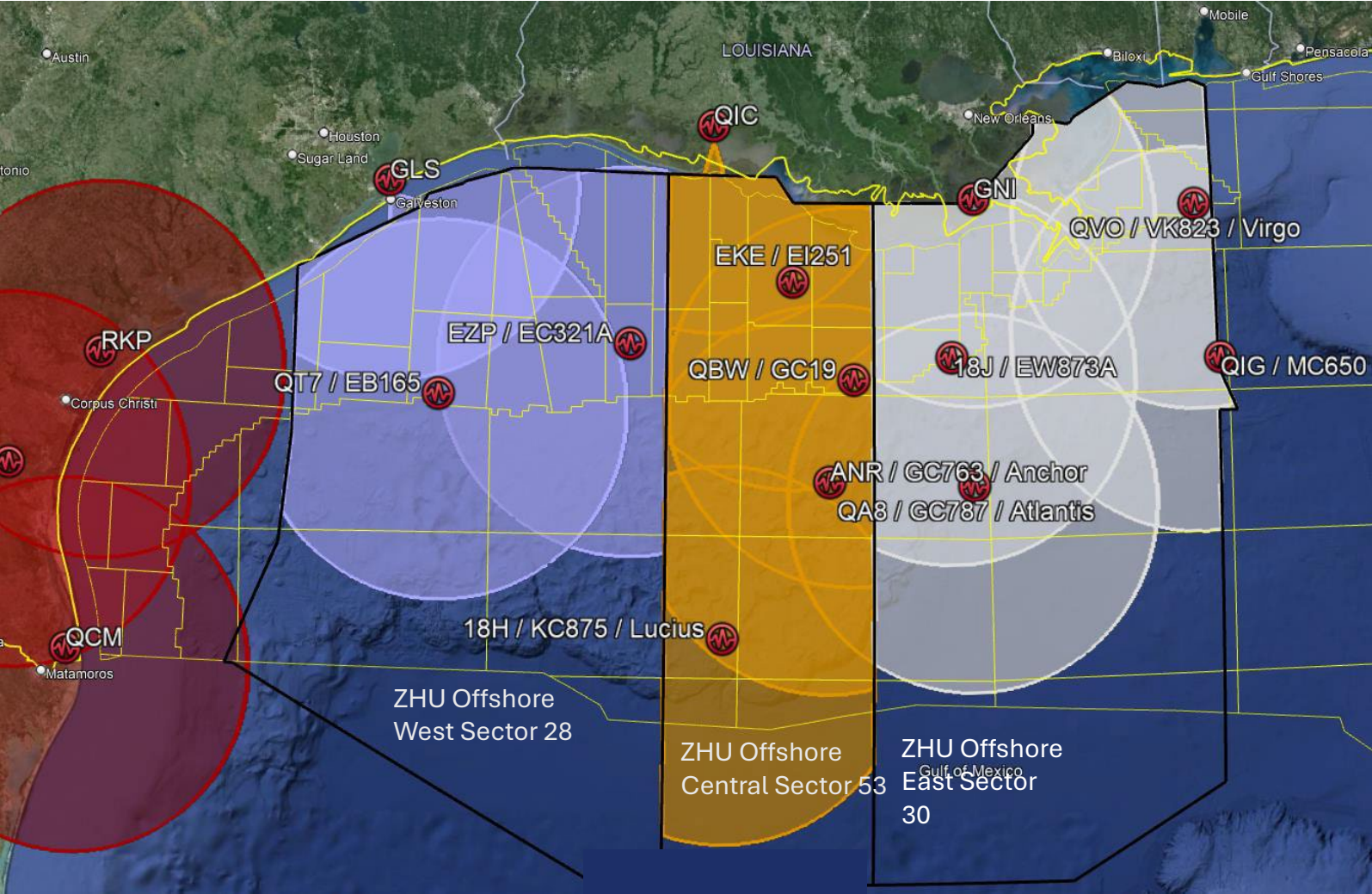
Alex Charity
Project Manager



Current AWOS Coverage

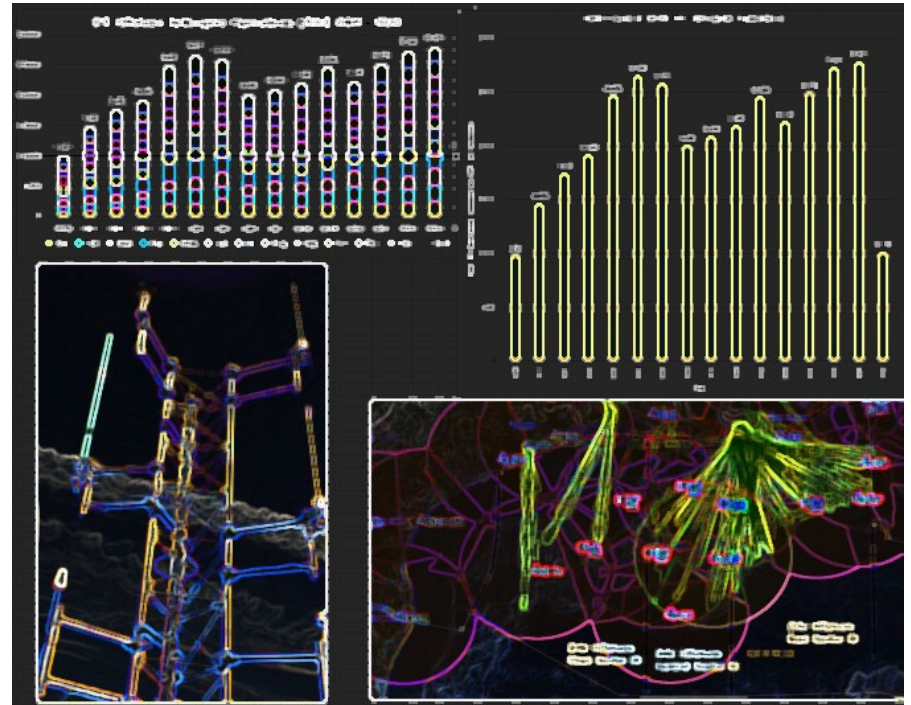


Current RCAG Coverage 3000' MSL



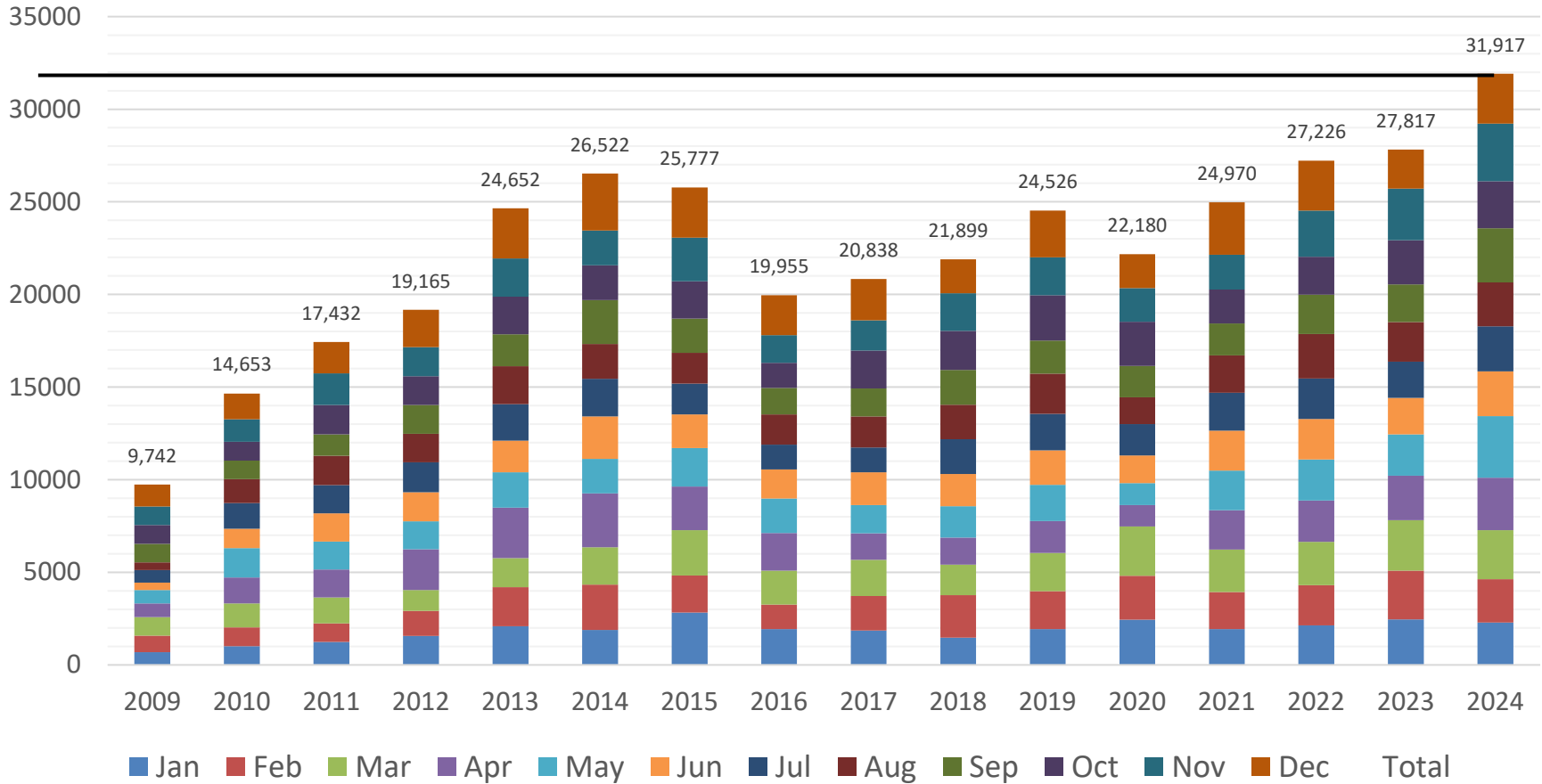
Traffic Count & Trends

Colleen Ahlers
Implementation Lead



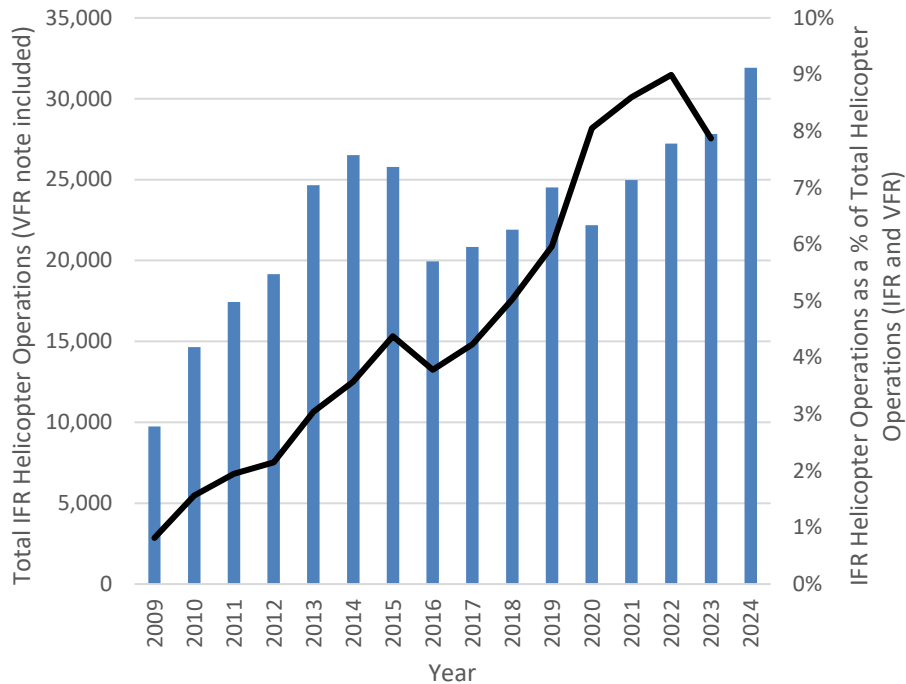
ZHU IFR Offshore Traffic Count Chart

IFR Offshore Helicopter Operations (ZHU) 2009 - 2024

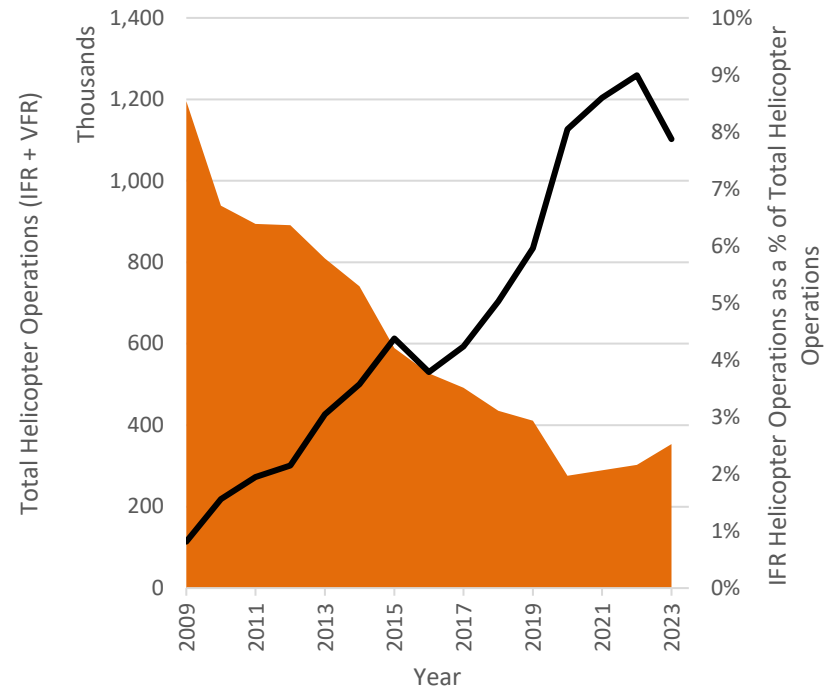


IFR Offshore Helicopter Traffic Trends

GOM IFR Helicopter Operations and % IFR of Total



GOM Total Helicopter Operations



Observations:

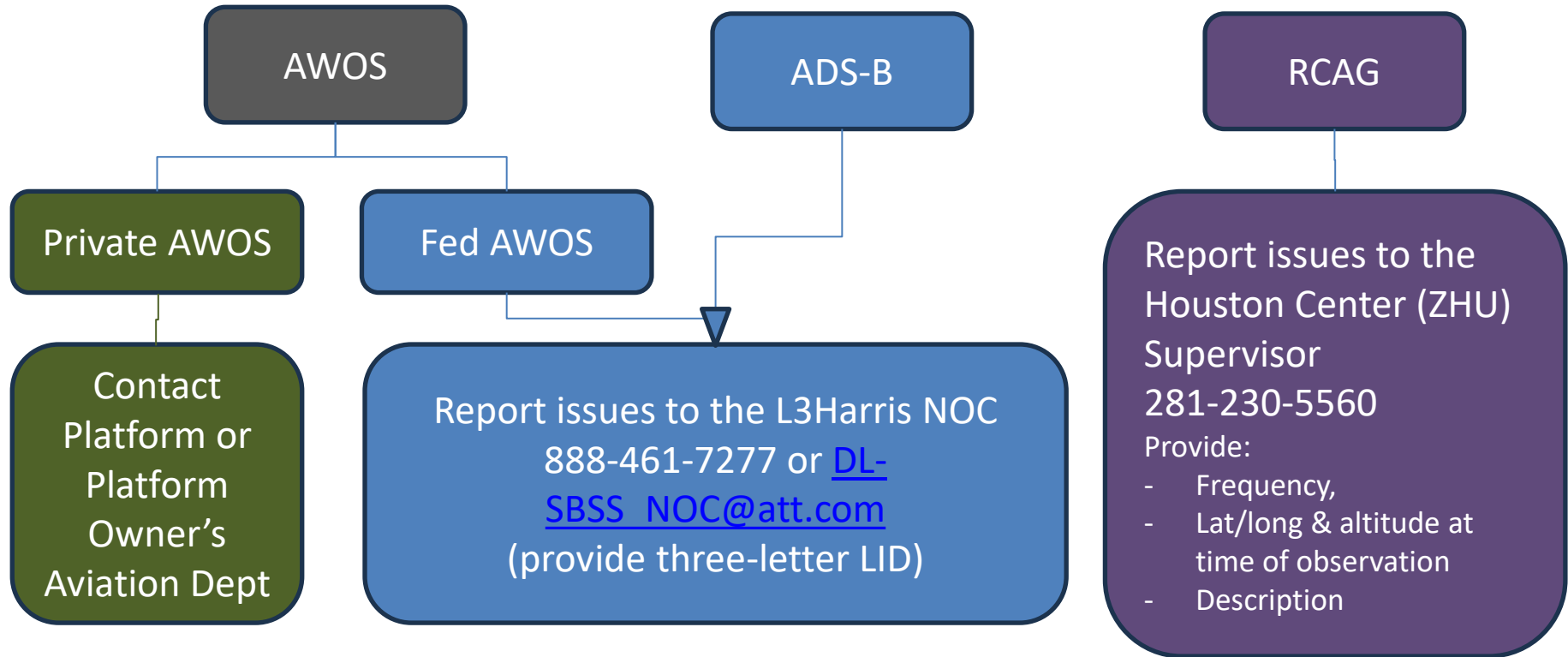
- **2023 Total VFR ops grew by a greater percentage than IFR ops**



Community Awareness

Rana Obeid
Federal Lead

Reporting Equipment Issues



Report concerns/impacts to operations/safety to OIMe Team: rhonda@gems-inc.com & Alexandra.D.Charity@faa.gov

Important Items

1. Tahiti, Titan, and Whale AWOS Location on KMZ files have been discovered to be erroneous due to mistranslation of lat/long data. Location and associated provisional weather boxes will be corrected as soon as possible and redistributed.
2. Anticipate BA538 AWOS outage to continue through February 2025
2. ForeFlight (FF) Efforts
 - a. GOM AWOS additions (FAA-VAI-FF)
 - b. Propose FF to disseminate Weather Box KMZ

AWOS Phone #s and Site Remarks now accessible!

Close 18H

Direct To Add to Route Cross Point at Bearing More >

18H
Weather station
LA
190° MSL at 26.13°N/92.03°W

Info Weather

WEATHER AND ADVISORY

AWOS-3 118.075
(832) 636-9295

REMARKS

STAND-ALONE FACILITY IN GULF OF MEXICO NOT ASSOCIATED WITH AN AIRPORT OR NAVAID.

SOLAR INFORMATION

Next Sunrise 5:27 AM GMT-6

Next Sunset 7:01 PM GMT-6

Map expired, see Downloads.

2024 Year in Review

Industry Meetings

44 Industry meetings attended



Meetings in support of OI Me efforts in the Gulf of Mexico

Projects

98 actively managed projects

34 Initiated in FY24



Repairs, Replacement, Sustainment, New Installations

Platforms

30 Platforms in Total

4 New locations added FY24



FAA Equipment is currently installed on 30 platforms in the Gulf of Mexico

Look Ahead to FY25

- Increased MOA Activity
- Atlantis Replacement
- AWOS Installations



OI Me top focus areas moving into FY25

2024 Year in Review

Personnel Changes

- Alex Charity now full time Fed!
- Jamal Wilson is Rana's fed back-up
- Management changes

Installations & Removals

- Commissioned: Tahiti AWOS, Anchor ADS-B & RCAG
- Relocations: BoomVang
- Removals: WD27 AWOS, BA538 AWOS, GC787 ADS-B

Sustainment

- KC875: Resolved interference, completed telco transition, removed and replaced wind sensor
- SS241: Removed and replaced HVAC in ADS-B building
- GB668: Replaced ADS-B antenna mounts

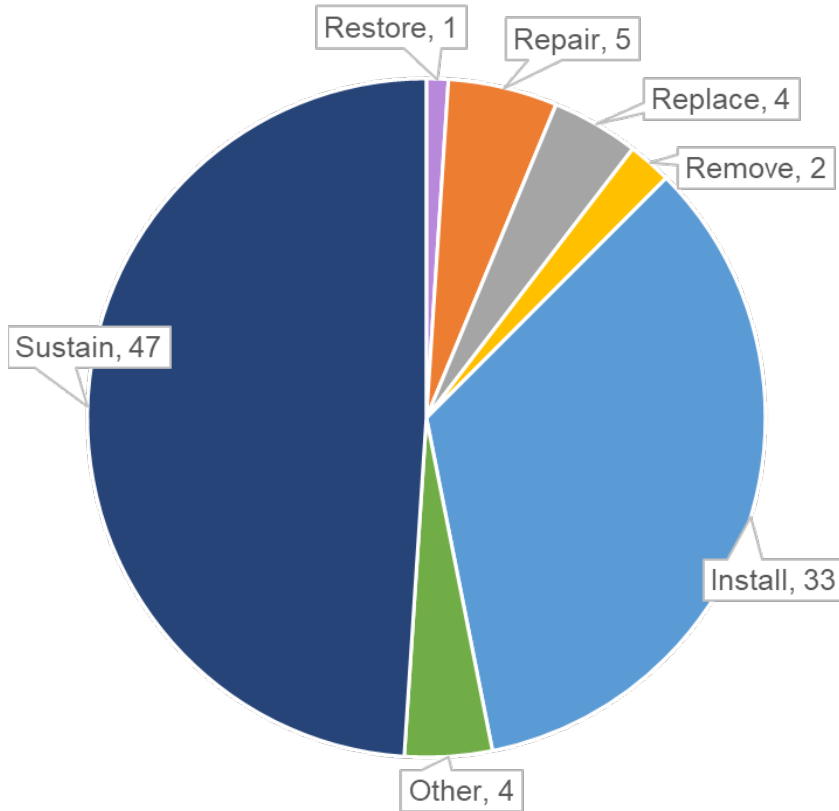
Special Mention

- Flight Standards published AC 90-80C, Change 1, authorizing provisional expansion of offshore weather deviation areas (OWDA) in the Gulf of Mexico
- Achieved record high IFR flights for Offshore operations

OIMe Activity Chart

Total Project Count: 96

Project Category and Count

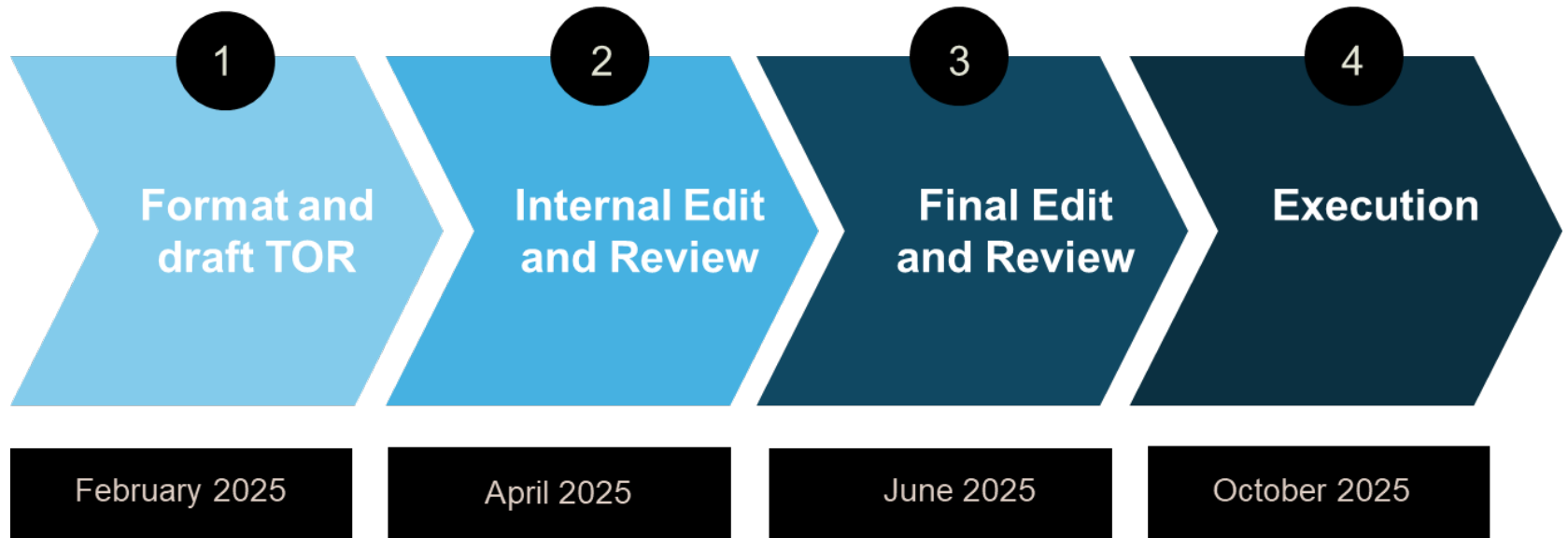


Project Category	Description
Install	Deploy new/refurbished equipment to a new location
Restore	To bring a system which is 100% offline to working status
Repair	Perform corrective maintenance causing a partial outage
Remove	Recover equipment from a platform
Replace	Deploy new/refurbished equipment to 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 Terms of Reference (TOR)

Jennifer Goldsmith
Agreements Lead



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)



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