



# ORANG Update

to

Committee on Veterans, Emergency  
Management, Federal and World Affairs



23 Sept 2024

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# Overview

- Oregon ANG
  - 142nd Wing
  - 173rd Fighter Wing
- F-15X Capabilities/Timeline
- F-35 Capabilities/Timeline
- Benefits to the State of Oregon

## Briefers:

Colonel Chris Lantagne, Director of Staff – Oregon ANG

Colonel Daniel “Blade” McAllister, 142nd Operations Group Deputy Commander

Lt Col Daniel “Buster” Parrish, 173 Fighter Wing, Unit Conversion Officer



# Oregon Air National Guard



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# 142nd Wing

## Portland Air National Guard Base

- 1,440 authorized (Military & Civilian)
- 599 Full-Time / 679 Traditional
- Primary Aircraft Assigned
  - 17 F-15Cs & 2 F-15Xs
- Aerospace Control Alert (ACA)
- Domestic operations
- Global combat deployments



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# 142nd Wing Economic Impact



FY23 Data:

- \$85M Payroll
- \$28M Operations, Maintenance & Construction
- \$31M in Indirect Jobs Created
- \$3M Military Personnel Funds



- **\$148M Annual OR Economic Impact**
  - Estimated cost to state: \$600K



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# 173rd Fighter Wing

## Kingsley Field

- 887 authorized (Military & Civilian)
- 456 Full-Time / 360 Traditional
- Primary Aircraft Assigned
  - 20 F-15C/Ds
- Sole F-15C Training Unit
- Domestic operations
- Global combat deployments



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# 173rd Fighter Wing

## Economic Impact

FY23 Data:

- \$70.2M Payroll
- \$ 32.8M Operations & Maintenance
- \$25M in Indirect Jobs Created
- \$1M Military Personnel Funds



- **\$129M Annual OR Economic Impact**
  - Estimated cost to state: \$811K

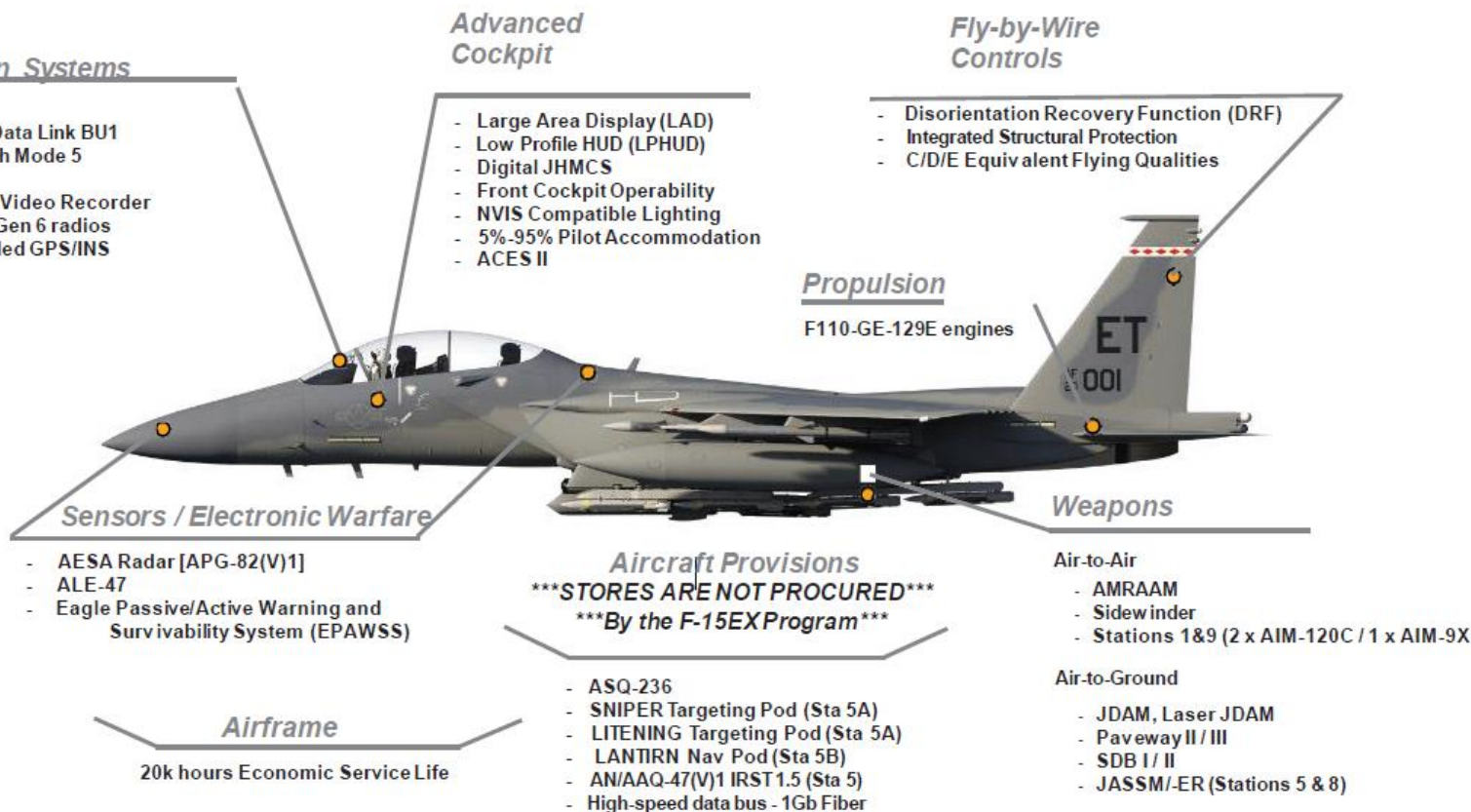
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# 142nd Wing

## F-15X Capabilities



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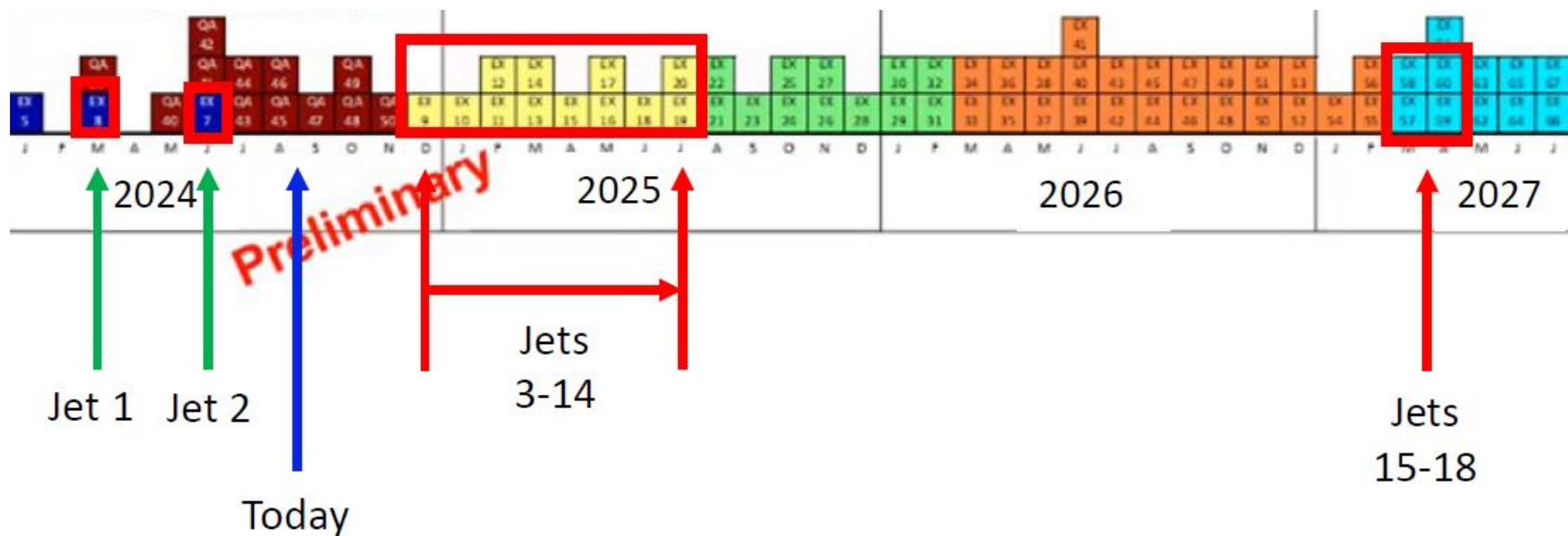




# 142nd Wing

## F-15X Transition Timeline

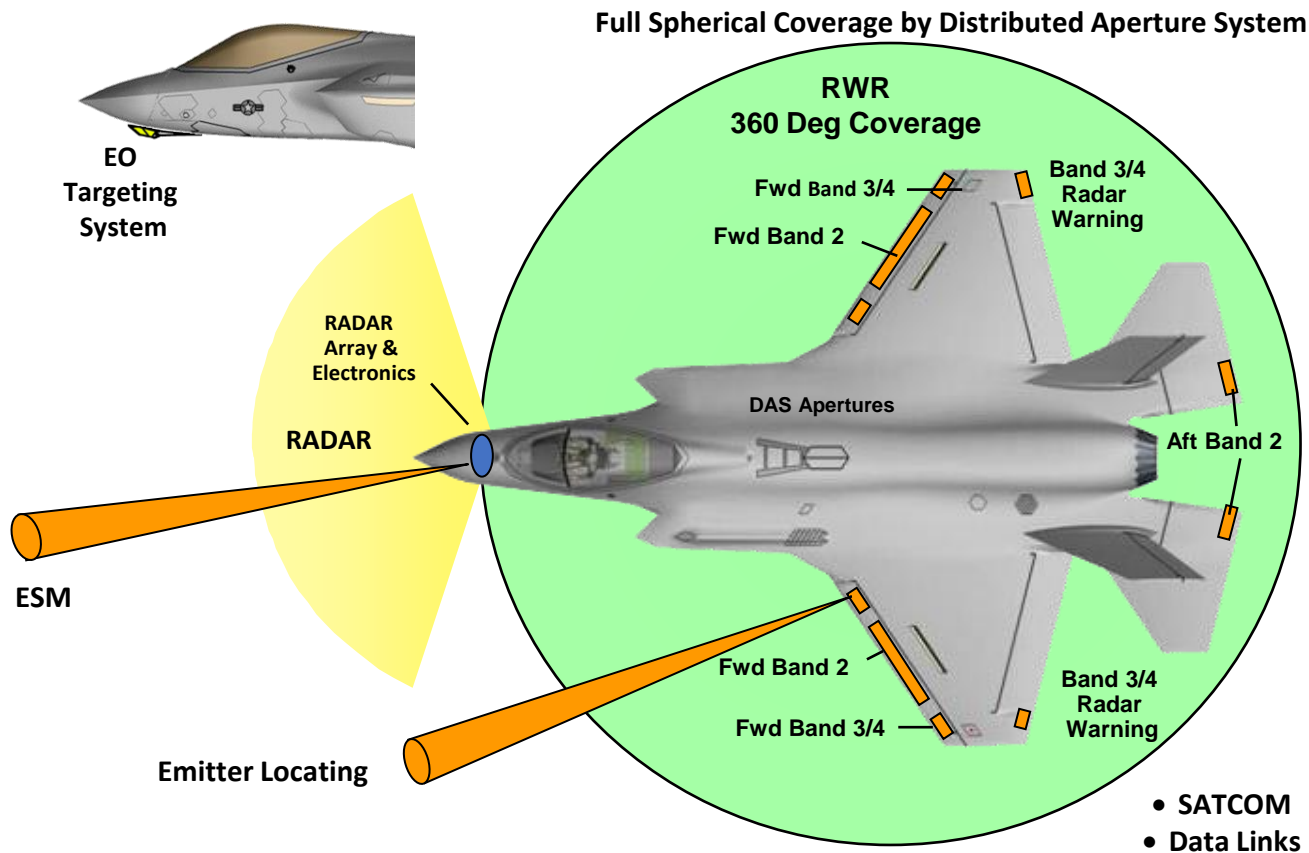
- First two F-15Xs delivered
- Remaining jets start arriving in Jan 25
- Last four jets arrive in FY27





# 173rd Fighter Wing

## F-35A Capabilities



### Low Observable (LO) Design

- ***Aircraft Shaping and Edge Alignment***
- ***Curved Inlets, "Buried" Engine***
- ***Low Observable Seams, RAM Seals***
- ***Low-Emission Radar and Avionics***
- ***Reduced Signature Nozzle***
- ***Weapons Carried Internally***
- ***Embedded Antennas***



# 173rd Fighter Wing

## F-35A Communication, Navigation, ID Capabilities

### Voice Communications

- VHF Lo-FM (30-88 MHz)
- VHF AM (108-156 MHz)
- VHF Hi-FM (136-174 MHz)
- UHF AM (225-400 MHz)
- UHF FM (225-400 MHz)
- Havequick
- SINCGARS
- GUARD Monitor (243/121.5)
- KY-58 Secure Voice
- 8.33 KHz Channelization
- Survival Radio Comm

### Navigation/Landing Aids

- INS
- GPS
- Radar Altimeter
- ILS Marker Beacon
- ILS Glideslope
- ILS Localizer
- TACAN
- Carrier ILS
- MLS (w/DME-P)

### Data Message Formats

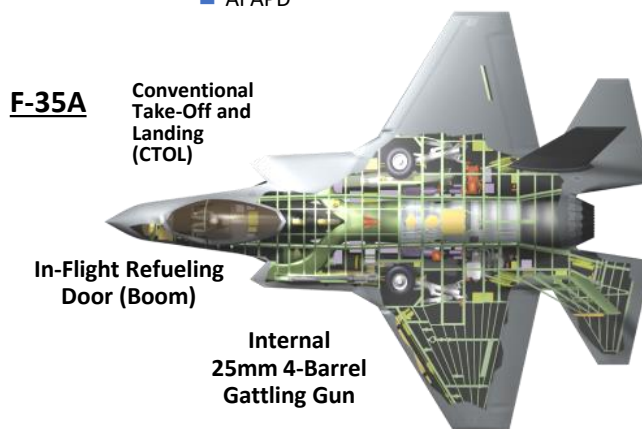
- MADL
- JVMF / VMF (K-series)
- Link-16
- AFAPD

### Data Communications

- Link 16
- Link 16 Enhanced Throughput
- MADL (JSF Wideband)
- Digital Battlefield
- JTCTS / RAIDS
- Weapon Data Link

### Audio Functions

- Voice Messaging
- Voice Recognition (Support)
- Air Refuel Intercom (CTOL)
- Maintenance Intercom
- Active Noise Reduction
- Voice Synthesis



### Identification/Surveillance

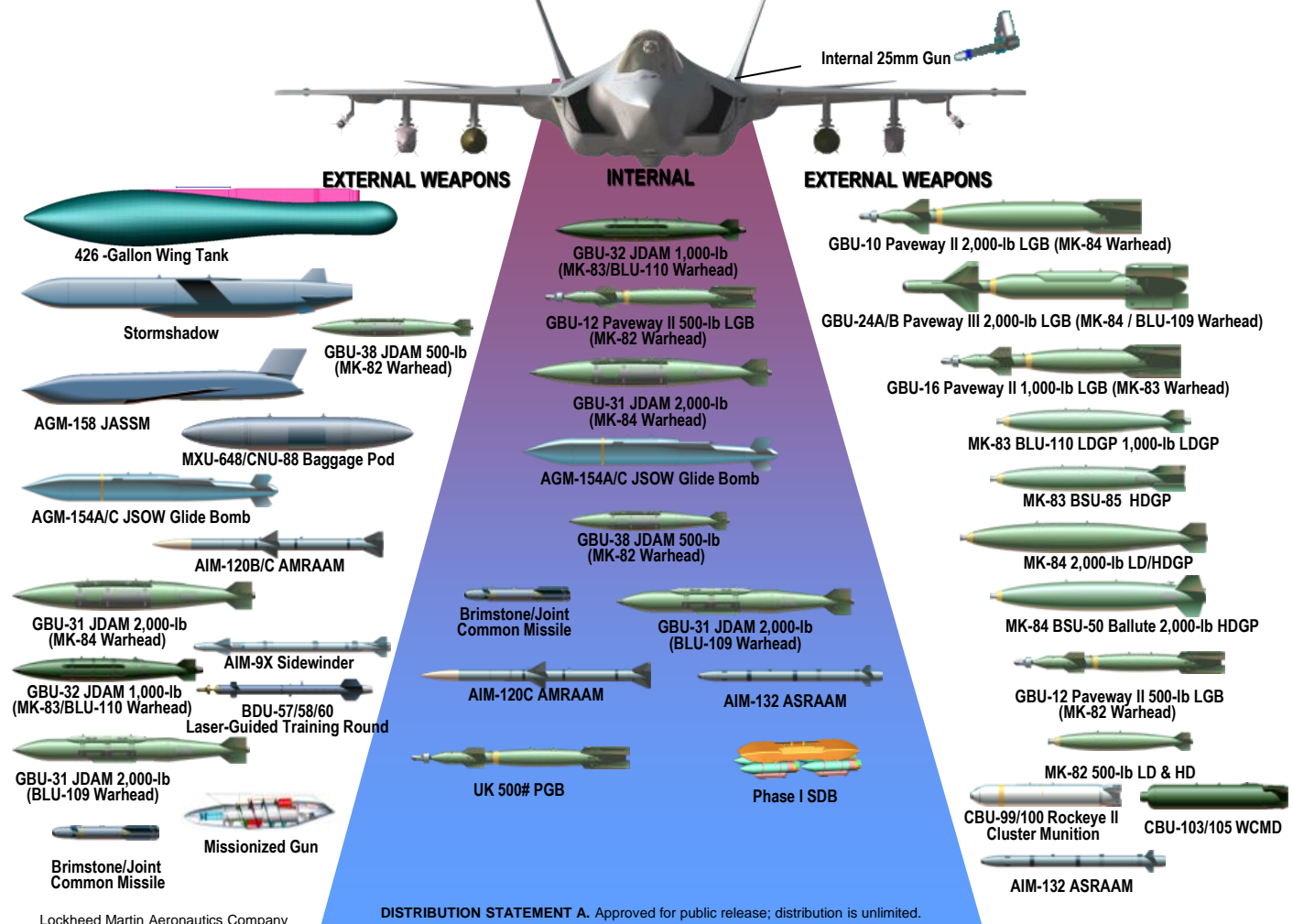
- Mark XII Transponder
- Mark XII Interrogator





# 173rd Fighter Wing

## Weapons Carriage Requirements



Lockheed Martin Aeronautics Company

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# Benefits to Oregon

- F-15X

- Leverage over 6 decades of alert/combat excellence
- Geographically Strategic Position
- Modernize the 142nd Wing
- Strengthen Homeland Defense
- Total Force Training and Integration
- Economic and Community Impact



- F-35

- Leverage over 4 decades of pilot training experience
- Operational Efficiency and Training with the Total Force
- Modernized Training Platform
- Supports Total Force pilot need into future
- Economic and Community Impact



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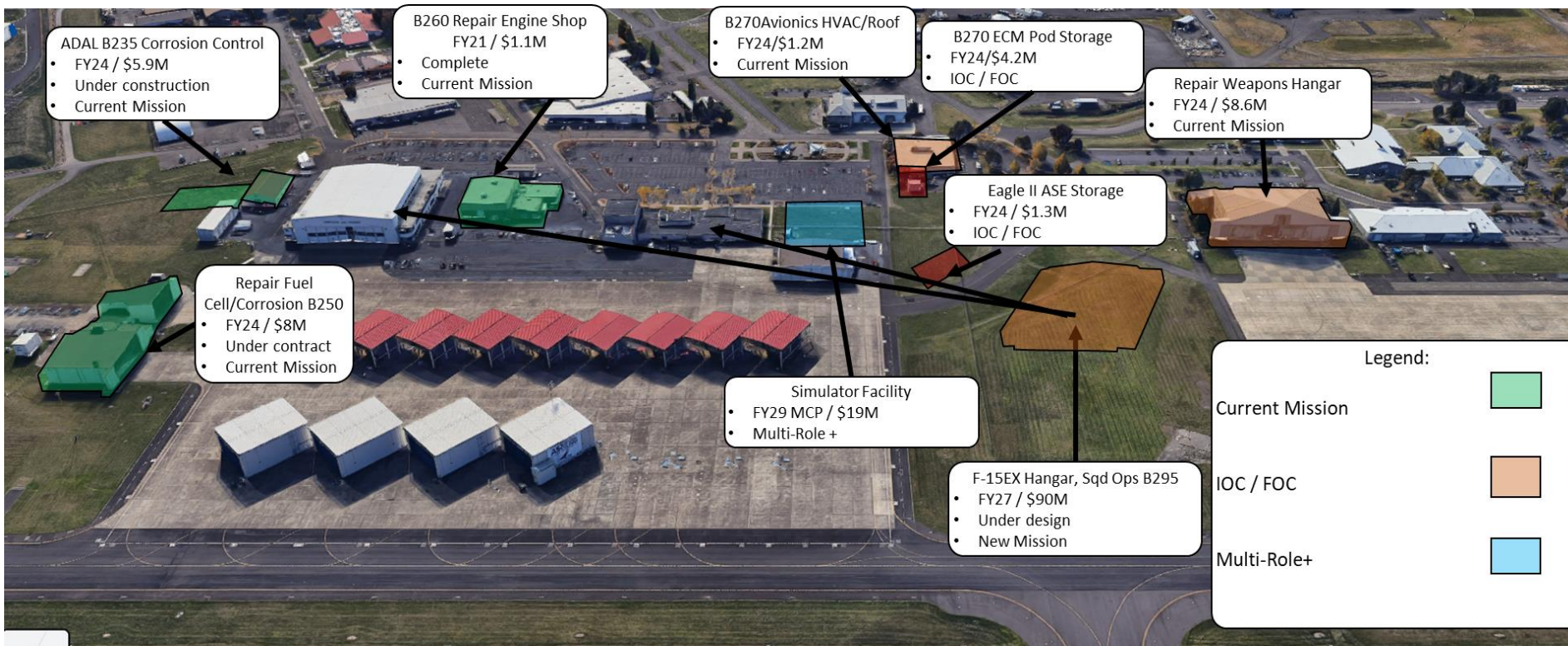


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# Benefits to Oregon

## 142WG Projects



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# Benefits to Oregon

## 142WG Projects



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# Benefits to Oregon

## 173FW Projects



- 1. Academic Training Center (Sims)
- 2. Aircraft fly-through shelter
- 3. Operations Facility
- 5. Remodel Engine facility

- 9/10. Maintenance Hangar
- 11-13. Munitions facility
- 14. Weapons facility

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# Questions?

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