

# Overview of John Wayne Airport's General Aviation Improvement Program

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# Terminology

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**General Aviation (GA)** - civil aviation operations other than regularly scheduled, commercial air carrier service.

**General Aviation Improvement Program (GAIP)** - provides a framework for GA improvements at John Wayne Airport

## **GA Aircraft -**

- “Light GA” – examples include single- and twin-engine aircraft, helicopters, biplanes
- “GA Jets” - Corporate or private jets

# Terminology

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**Fixed-Base Operators (FBOs)** - private businesses granted the right by the airport to operate on airport property and provide aeronautical services such as fueling, storage, parking, tie downs, aircraft maintenance, flight instruction and aircraft rental.

- **A full-service FBO** provides aircraft fueling services, supplies, maintenance, flying lessons, more.
- **A limited-service FBO** provides similar services with the exception of fueling.

**Programmatic Environmental Impact Report (EIR)** - A type of EIR, a program EIR evaluates at a broader, planning level as opposed to a project-level EIR.

# Types of GA Aircraft



# County Rationale for GAIP

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According to the County of Orange, JWA's GA services and facilities were last studied around 1990.

- There have been changes to the airport's GA fleet
- JWA's GA facilities are aging
- The facilities need to comply with FAA requirements related to the proximity of buildings to taxiways and runways
- A number of GA leases have expired or are nearing expiration



# Project Area



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Aerial Source: ESRI 2016

General Aviation Improvement Program Area at JWA  
John Wayne Airport General Aviation Improvement Program

Exhibit 2-1



# GAIP Environmental Review

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- County drafted a Programmatic (or Program) EIR
- City's [November 2018 comment letter](#) asked the County to conduct additional analysis and/or provide further information on:
  - Noise analysis
  - Flight pattern assumptions
  - Potential changes to the noise contour/sensitive receptors, and
  - Potential health risks analysis.

# GA at JWA (as of 2016\*)

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## General Aviation at JWA (2016)

2 full service FBOs

2 limited service FBOs

192,800 annual operations

43.44 daily jet departures / **49.75 3Q 2018\*\***

482 based aircraft (capacity is 596)

\*The DEIR was largely based on 2016 data. \*\*The City included the 2018 departures information for the March 12, 2019 City Council presentation.



# GAIP Proposed Project & Alternatives 1 and 2

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| Project  | Alternative 1  | Alternative 2  |
|--|--|--|
| 2 new full service FBOs                                | 3 new full service FBOs                                | 2 new full service FBOs                                |
| 1 new limited service FBO                              | 1 new limited service FBO                              | 1 new limited service FBO                              |
| 1 existing limited service FBO                         | 1 existing limited service FBO                         | 1 existing limited service FBO                         |
| New GA/GAF Terminal at FBO                             | New GA/GAF Terminal at FBO                             | New GA/GAF Terminal at FBO                             |
| Correction of 4 existing, non-standard design features | Correction of 4 existing, non-standard design features | Correction of 4 existing, non-standard design features |
| <b>167,900 annual operations</b>                       | <b>168,600 annual operations</b>                       | <b>169,400 annual operations</b>                       |
| <b>55.34 daily jet departures</b>                      | <b>56.71 jet departures</b>                            | <b>54.65 jet departures</b>                            |
| 354 based aircraft                                     | 356 based aircraft                                     | 361 based aircraft                                     |

# GAIP Proposed Alternative 3 and No Project

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| Alternative 3                                       | No Project                                    |
|---|---|
| 2 existing full service FBOs                        | 2 existing full-service FBOs                  |
| 2 existing limited FBOs                             | 2 existing limited FBOs                       |
| No GA Terminal/GAF                                  | No GA Terminal/GAF                            |
| Correction of existing non-standard design features | No correction of existing non-standard design |
| <b>197,600 annual operations</b>                    | <b>201,000 annual operations</b>              |
| <b>49.8 jet departures</b>                          | <b>52.46 jet departures</b>                   |
| 490 based aircraft                                  | 505 based aircraft                            |

# City Support for Alternative 3

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- Alternative leaves all FBOs and GA facilities in their current locations, but would correct existing non-standard conditions, bringing them into compliance with FAA standards.
- It would not significantly alter JWA's "GA Aircraft Mix"
- It would not result in an increase to GA jet traffic.

# City Concerns with Project and Alternatives 1 & 2

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- Corporate and private jet traffic over the communities under the arrival and departure corridors will increase.
- Commercial operations will increase
  - These options introduce more commercial operations into the GA sphere of influence; and
  - They promote commercial operations at privately held, fixed-base operators.
- International travel to and from JWA will increase.
- Allowing passenger screening at the general aviation terminal rather than in the main terminal - where all other passengers are screened - raises safety, security and accountability issues.

# Why Not Choose “No Project?”

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1. General Aviation facilities would not be updated and would not be brought into compliance with current FAA standards.
2. The number of jet departures by the year 2026 is higher than if Alternative 3 (the City’s preferred project alternative) is selected.

# For More Information

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**City Website** - [newportbeachca.gov/gaip](http://newportbeachca.gov/gaip)

**JWA Website** - [ocair.com/deir627](http://ocair.com/deir627)

**Contact the OC Board of Supervisors –**

[ocgov.com/gov/bos/opinion](http://ocgov.com/gov/bos/opinion)