

Department of Airports









Camarillo Airport

14 CFR Part 150 Noise Compatibility Planning Study Update











1. Welcome and Introductions

- Keith Freitas, Ventura County Department of Airports
- 2. Key Takeaways for this Meeting
 - Dave Nafie, Ventura County Department of Airports
- 3. Study Process
 - Kory Lewis, Coffman Associates
- 4. Review of Noise Exposure Maps and Impacts
 - Kory Lewis, Coffman Associates
- 5. Review of Chapter 5, Noise Abatement Alternatives
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- 8. Approach Analysis and Next Steps
 - Dave Nafie, Ventura County Department of Airports
- 9. PAC Discussion
 - Stacey Falcioni, Arellano Associates











Welcome and Introductions













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Key Takeaways for this Meeting













Key Takeaways for this Meeting

- Review NEM impacts and status
- Detail FAA's "laundry list" of NCP techniques
- *Understand FAA approvals and their limits*
- Explain local measures not included for FAA review
- Know where we go from here











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December

October









Study Progress

3	
October	Part 150 Noise Compatibility Study began
March	First Public Workshop - Inventory and Forecasts
May-Aug	Community Noise Measurements
September	Second Public Workshop - Aviation Noise and Noise Impacts
	October March May-Aug

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<u>2024</u> June Community Listening Session and Technical Conferences



Third Public Workshop – Noise Abatement Alternatives, Land Use Alternatives, Noise Compatibility Plan

Noise Exposure Maps submitted to FAA for review

Public Involvement Throughout (focus groups, outreach, change in meeting format)











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Status of Noise Exposure Map Document

- Public comment period was advertised following the September 2023 meetings.
- Draft NEM was submitted to FAA ADO in December 2023.
- Minor revisions to the chapters were required to meet FAA guidelines.
- Submitted to FAA for LOB review in August 2024.





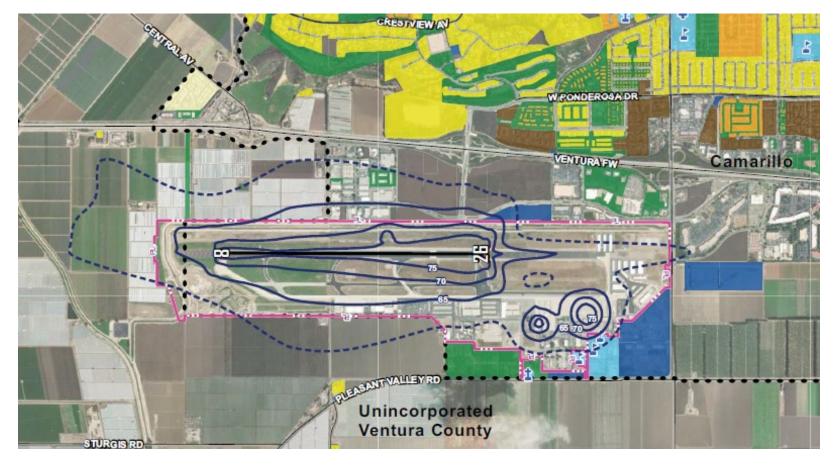








2022 Noise Contours





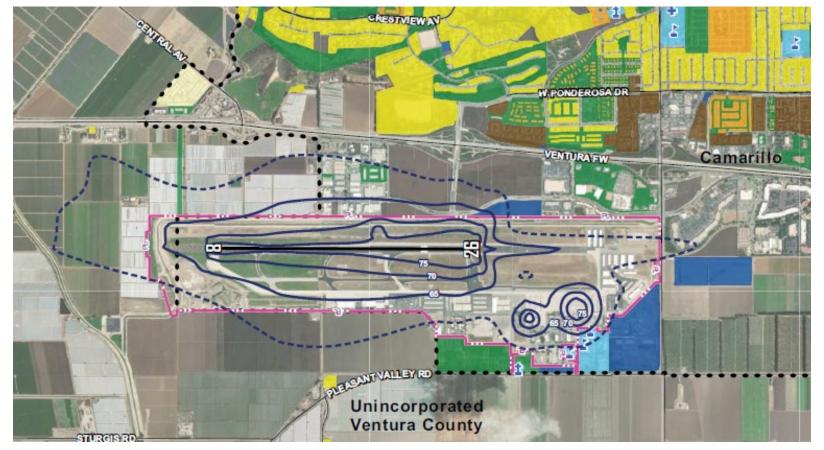








2027 Noise Contours





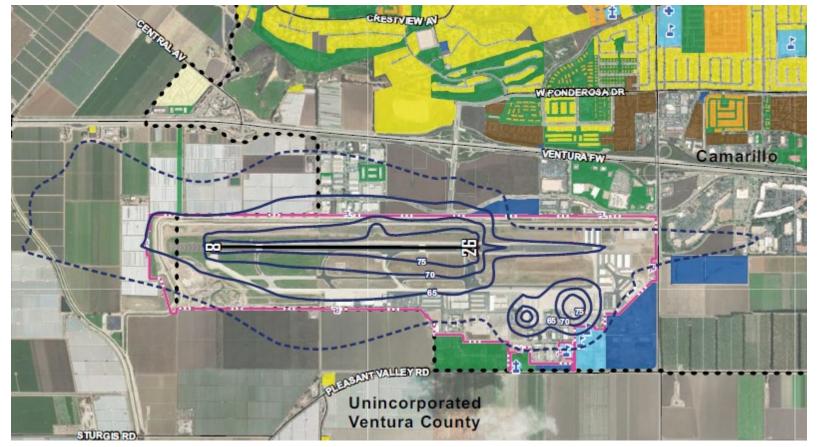








2042 Noise Contours













The Ventura County Department of Airports recognizes that some community members are disturbed by noise at levels below the FAA guidelines for noise exposure.

The Department of Airports is committed to using this Part 150 Noise Compatibility Study as an opportunity to evaluate potential options and take reasonable action that will reduce the effects of noise exposure and ensure compatibility with future development.











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Alternatives Evaluation

Chapter 5 Noise Abatement

Runway Use and Flight Routing, Airport Facilities, Operational Procedures, Regulations

Chapter 6 Land Use

General Plan, Zoning, noise and avigation easement purchase

Chapter 7 Recommended NCP

Summarizes measures recommended for FAA review and those to be implemented locally

Community and Stakeholder Input

Listening Session

A Listening Session was held in June 2024 to gather the public's ideas to be considered

- 72 attendees, 81 suggestions
- Examples include curfews, fees, monitoring, reporting

Technical Conferences

Technical Conferences were held to evaluate all of the alternatives and suggestions











FAA's Evaluation of Measures

- FAA policy and direction for reviewing Part 150 Noise Compatibility Studies <u>have changed</u> since the prior plan was adopted in 1999.
- FAA asks: Will it reduce Part 150 impacts within the 65 CNEL noise contour?
- "Lanes" Reminder: **NEW** access restrictions require approval under Part 161 regulations. There have been no approvals under Part 161.
- The 1976 JPA is "grandfathered", but may not be amended, including to increase its restrictions.











Exhibit 5B: Runway Use and Flight Routes

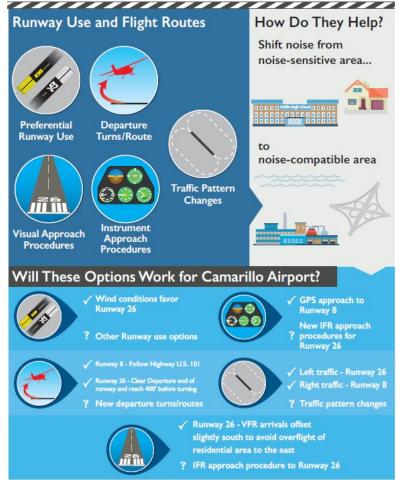












Exhibit 5C: Facilities Development













Exhibit 5E: Aircraft Operating Procedures













Exhibit 5F: Airport Restriction and Regulation













Noise Abatement Measures to Be Carried Forward For NCP Consideration – Table 5B

Measure	Description
Fly Friendly Program Information	Continuing distribution of <i>Fly Friendly</i> program information brochures and maintenance of on-airport noise abatement signage.
Pilot Meetings	Holding meetings with pilots and students to discuss safety and noise abatement issues.
Homeowner Outreach	Establishing communication with the public about noise issues; meeting with homeowner groups to discuss various noise-related issues.
Real Estate Outreach	Establishing a real estate agent outreach program to educate real estate agents and potential home buyers about Oxnard Airport operations and its presence in the community.
Public Outreach	Hosting airport open house events to allow the public to visit the airport and learn about its operations.











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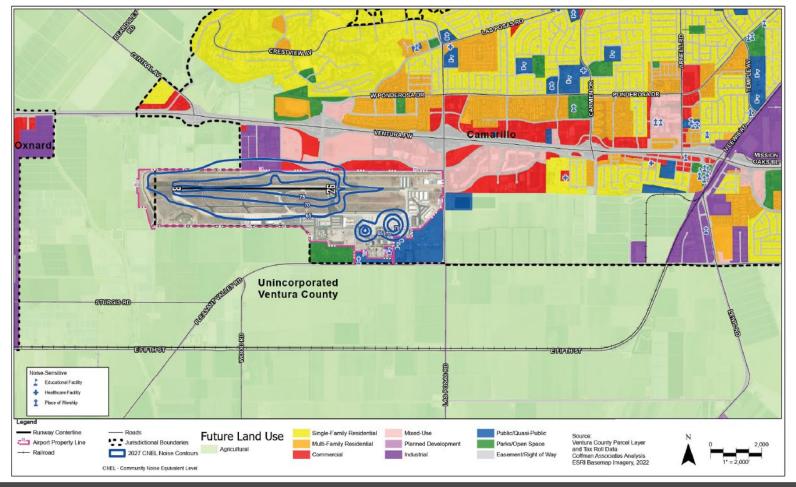








Exhibit 6A: General Plan with 2027 Future Noise Contours













Land Use Management Measures to Be Carried Forward For NCP Consideration – Table 6C

Measure	Description
Update General Plan Policies	Add policy to monitor and update the Part 150 Study. Establish aviation noise threshold for compatibility.
Update General Plan Map	Incorporate noise exposure contours as part of General Plan map.
Adopt Compatibility Checklist	Could consider adopting an airport land use compatibility checklist for review of development projects within the airport vicinity.
Revise Building Code	Require attainment of the CNEL 45 dB interior noise level for construction of new habitable spaces as an addition to an existing property.
Capital Improvement Programming	Establish communication process between local public works departments and airport staff to share information regarding major public improvements.











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Noise Abatement Measures to B Relocated Table 7C

If Submitted today:

"Disapproved for the Purposes of Part 150"

Voluntary Measures Now found in Fly Friendly VC Flexible - Responsive - No Need to Wait for FAA











Summary of Measures

FAR Part 150 now only allows FAA to review Measures that mitigate noise within the 65 CNEL contour. In the 2024/25 NCP, Noise Abatement measures from the 1999 NCP are now implemented within the Fly Friendly VC program.

		Disapproved If	sapproved If	
Category	1999 NCP	Reviewed Today?	For FAA Review Table 7B	Not for FAA Review Table 7D
Land Use	1	1	3	1
Program Management	5	1	3	O
Noise Abatement	14	14	O	14











These recommended measures to be reviewed by FAA and included in the NCP would be implemented in collaboration with the City of Camarillo and VCTC in their role as the Airport Land Use Commission.

Implomentation	2024/25 Draft NCP – Reviewed By FAA – Table 7B			
Implementation	Land Use Management	Cost	Responsibility	
Next Update	1. Update General Plan policies and map	Administrative	City of Camarillo and Airports	
1-5 Years	2. Adopt compatibility checklist criteria	Administrative	City of Camarillo and Airports	
1-5 Years	3. Update noise contours in the Ventura County ACLUP	Administrative	VCTC, acting as Ventura County ALUC	











These recommended measures to be reviewed by FAA and included in the NCP would be implemented by the Department of Airports. The VNOMS system is among measures already implemented.

Implementation	2024/25 Draft NCP – Reviewed By FAA – Table 7B			
Implementation	Program Management	Cost	Responsibility	
Now/Ongoing	1. Continue Airport's noise complaint handling system (VNOMS)	\$35,000 annually	Department of Airports	
At Normal 10-15 Year Interval	2. Update Noise Exposure Maps and Noise Compatibility Program	\$600,000	Department of Airports	
Now/Ongoing	3. Monitor implementation of the Part 150 NCP	Administrative	Department of Airports	











	2024/25 NCP Measures Outside of FAA Review – Table 7D Approved and Implemented Locally		
Implementation	Measure	Cost	
Now/Ongoing	1. Dedicate a full-time staff person to manage and lead the noise abatement program.	\$190,000 annually	
Now/Ongoing	2. Develop and distribute noise mitigation materials to local pilots, flight schools, and businesses.	\$5,000 per update	
Now/Ongoing	3. Update pilot publications to include current noise mitigation information. (Includes radio broadcasts)	\$1,000 per update	
Now/Ongoing	4. Purchase new flight tracking systems to assist with identifying and tracking aircraft operations. (VNOMS).	\$35,000 annually	
Now/Ongoing	5. Meet with local pilots, flight schools, and businesses regularly to communicate noise mitigation information and progress.	\$500 annually	











	2024/25 NCP Measures Outside of FAA Review – Table 7D Approved and Implemented Locally		
Implementation	Measure	Cost	
Now/Ongoing	6. Continue outreach events to allow the public to visit the airport and learn about its operations.	Administrative	
Consultant Under Contract	7. Evaluate changes to jet approaches into CMA to help mitigate noise. (Approach Analysis by LEAN)	\$268,400	
1-5 Years	8. Educate real estate agents and potential homebuyers about Camarillo Airport operations and its presence in the community.	Administrative	
As Needed	9. Evaluate noise monitoring.	\$10,000 to \$60,000	
1-5 Years	1. Encourage a full update to the 2000 Ventura County Airport Land Use Compatibility Plan. (Land Use)	Administrative	











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Camarillo Airport Approach Analysis

- 1) Responds to suggestions received at the Listening Session
- 2) Requested to expedite this task
- 3) Initiated in August 2024 ahead of the completion of the Part 150 Study
- 4) Selection of consultant included stakeholder participation
- 5) Process involves robust public involvement











Camarillo Airport Approach Analysis

- 1) Analysis of a new charted visual flight procedure for use to Runway 26.
- 2) Analysis of a new instrument approach to Runway 26 from the east.
- 3) Analysis of potential modifications to Runway 26 visual glide slope indicator.
- 4) Analysis of instrument procedure changes to increase nighttime arrivals from the south and west.
- 5) Consideration for Localizer Performance with Vertical Guidance (LPV) approach to Runway 8.
- 6) Development of community flight procedure package (CFPP) for community member assessment of the alternatives.











Next Steps

October '24

- Chapter 5 Noise Abatement Alternatives
- Chapter 6 Land Use Alternatives
- Chapter 7 Noise Compatibility Plan



April '25

 Public Hearing on Noise Compatibility Program





Nov '24 — Jan 25

 Prepare Draft Noise Compatibility Program Document (NCP)



May — June '25

Approval Process Steps:

- · Aviation Advisory Committee
- Airport Authority
- Board of Supervisors
- Submit to FAA











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PAC Member Discussion











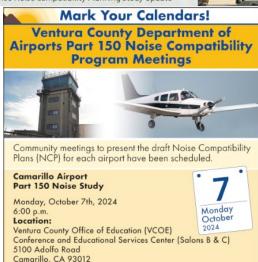












Oxnard Airport Part 150 Noise Study

Tuesday, October 8th, 2024 6:00 p.m.

Location:

Courtyard by Marriott, Oxnard-Ventura 600 E Esplanade Dr. Oxnard. CA 93036



The Ventura County Department of Airports will be hosting a question & answer meeting regarding the recommended measures the airports will be undertaking in the draft NCP. All interested Ventura County Residents are encouraged to attend.

Please note that study materials will be available in both English and Spanish. Live interpretation in Spanish and Mixteco will also be available.

For more information visit vcairports.org.



Community Meeting tonight, beginning with a presentation at 6:00 PM in this room.

All are welcome!



Department of Airports











Opportunities for Noise Abatement to Explore

- 1. New Charted Visual Flight Procedure (CVFP)
- 2. Instrument approach procedure changes east of KCMA
- 3. Visual Glide Slope Indicator (VGSI) changes
- 4. Increased utilization of Runway 8 at nighttime





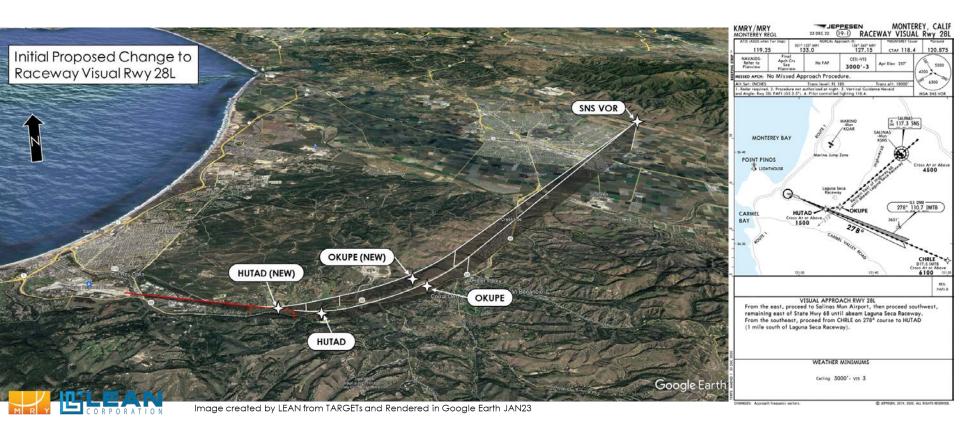








1. CVFP Example







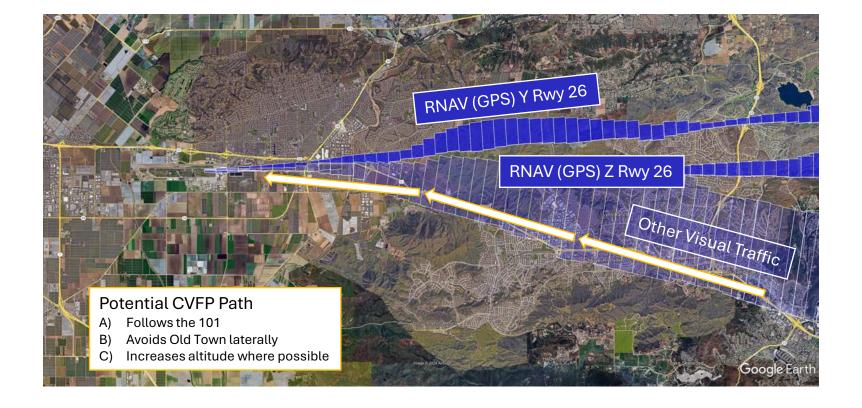








1. Charted Visual Flight Procedures Rwy 26







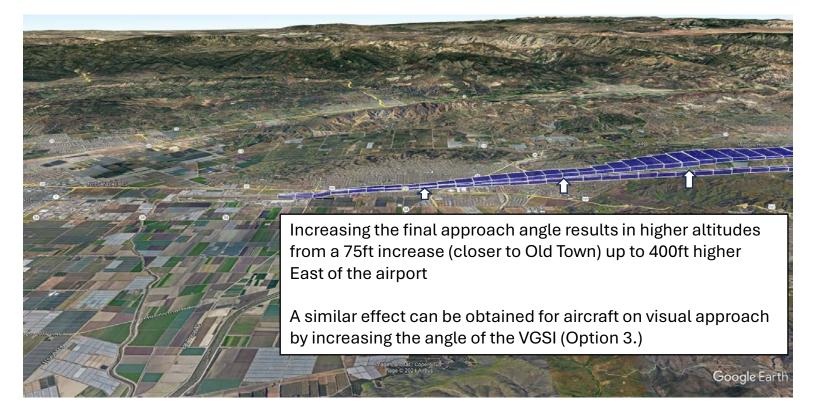








2./3. Instrument Procedure and VGSI Changes East of KCMA







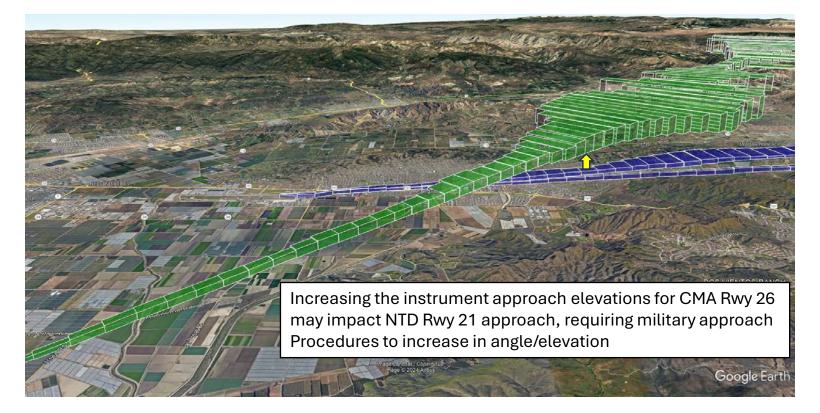








2./3. Instrument Procedure and VGSI Changes East of KCMA













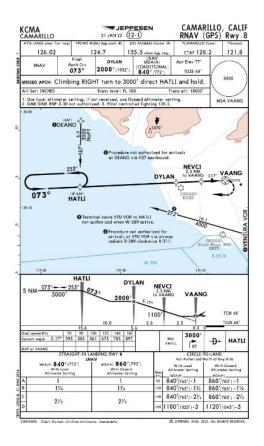


4. Increasing Nighttime Utilization of Rwy 8

Existing instrument approach to runway 8 is not conducive to nighttime use

- ☐ Does not provide vertical guidance (No VNAV or LPV)
- ☐ May not be effective during inclement weather (Minimums)
- ☐ Requires unusual/inefficient routing for aircraft arriving from the southeast (LA/San Diego, Las Vegas, Phoenix)
- ☐ Very inefficient when restricted airspace is in effect

Exploring opportunities to correct these deficiencies and encourage landing on runway 8 with pilots and air traffic















Instrument Procedure Feasibility Process

1 Examine

Airspace, Obstacle and NAVAID challenges

Air Traffic challenges

Community experience

Operator experience

2 Design

Instrument procedures

Charted Visual procedures

Traffic Pattern Modifications

NAVAIDs and Lighting

Air Traffic LOA

3 Model & Measure

Historical weather and operational benefits/impacts

Noise measurement (when requested)*

Cumulative (CNEL) and individual flight noise (LMAX, SEL, NA)

Aircraft separation modeling*

4 Review & Select

Review findings with stakeholders:

FAA DoD Aircraft Operators Airport Community

Select options to proceed towards development

5 Develop & Coordinate

FAA IFP Gateway Request or Non-FAA Service Provider Bid

TARGETs file sharing/distribution

Obstruction mitigations, RAM Tool and Aeronautical data changes

FAA Reimbursable Agreements*

6 Implement & Refine

Procedure Publication

Flight Inspection Coordination

Flight Track Review

Community feedback and noise monitoring (when requested)*

2-3 Months

1-4 Months

1-2 Months

12-36 Months

3-12 Months





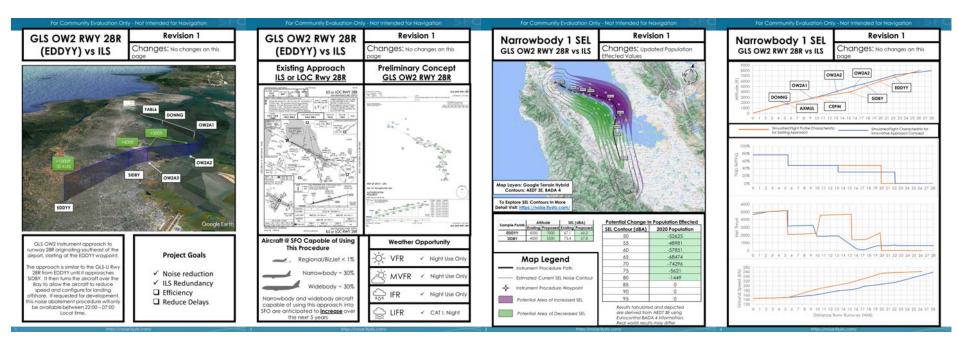








Example of Community Flight Procedure Package (CFPP)



https://noise.flysfo.com/noise-efforts/ground-based-augmentation/innovative-approach-procedures/

