

Jet A Fuel Storage Facility

Austin City Council

April 5, 2022



Austin-Bergstrom
International Airport



Community Acknowledgement & Lessons Learned

- Understanding the city's history of discriminatory policies and decisions endured by East Austinites is crucial to making equitable and sound decisions for today and the future.
- We are grateful to the community and our airport-adjacent neighbors for their willingness to engage with us.
- We are committed to improving airport community outreach and engagement.
- We have learned from our neighbors the importance of timely and accessible information and the importance of investing in community relationships.



Community Notification & Outreach

- **AUS 2040 Master Plan Public Meeting Series**
 - 4 public workshops
- **DSD site notification - 04/21**
- **6 Total Community Meetings**
 - District 2 Public Meetings
 - 1 Virtual meeting – 10/04/21
 - 1 In-person meeting – 11/10/21
 - AUS Community Information Meetings – 01/29/22
 - 2 in-person meetings
 - 1 virtual meeting
 - Community-led Public Meeting
 - 1 meeting – 03/07/22



Speak Up Austin Website
for Community Outreach



SpeakUpAustin.org/AUSFuel



To learn more about AEDP
Projects:

AustinTexas.gov/AEDP

To learn more about AUS
Environmental Affairs:
[AustinTexas.gov/Department/
Environmental-Responsibility](https://AustinTexas.gov/Department/Environmental-Responsibility)



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Fuel Facility Community Questions

- Why put fuel tanks within 500 feet of homes?
- What other locations are suitable for the project?
- Is it safe?
- How will US 183 traffic change?
- How will selecting a new site delay the project?
- Will the airport hire an environmental firm to validate air quality data?



Jet Fuel Storage Facility Purpose & Need

- Current storage site
 - 2 tanks
 - 20+ years of safe operations
 - Within 300' of buildings
 - Within 1500' of terminal
 - **2-3** days worth of fuel
 - Industry average: **5-7**
 - Not enough to meet AUS demand
- Expanding the current site - **does not** solve 5-7 days capacity demand
- A new fuel storage facility - **needed** to support 30M annual passengers, by 2040 **or sooner**



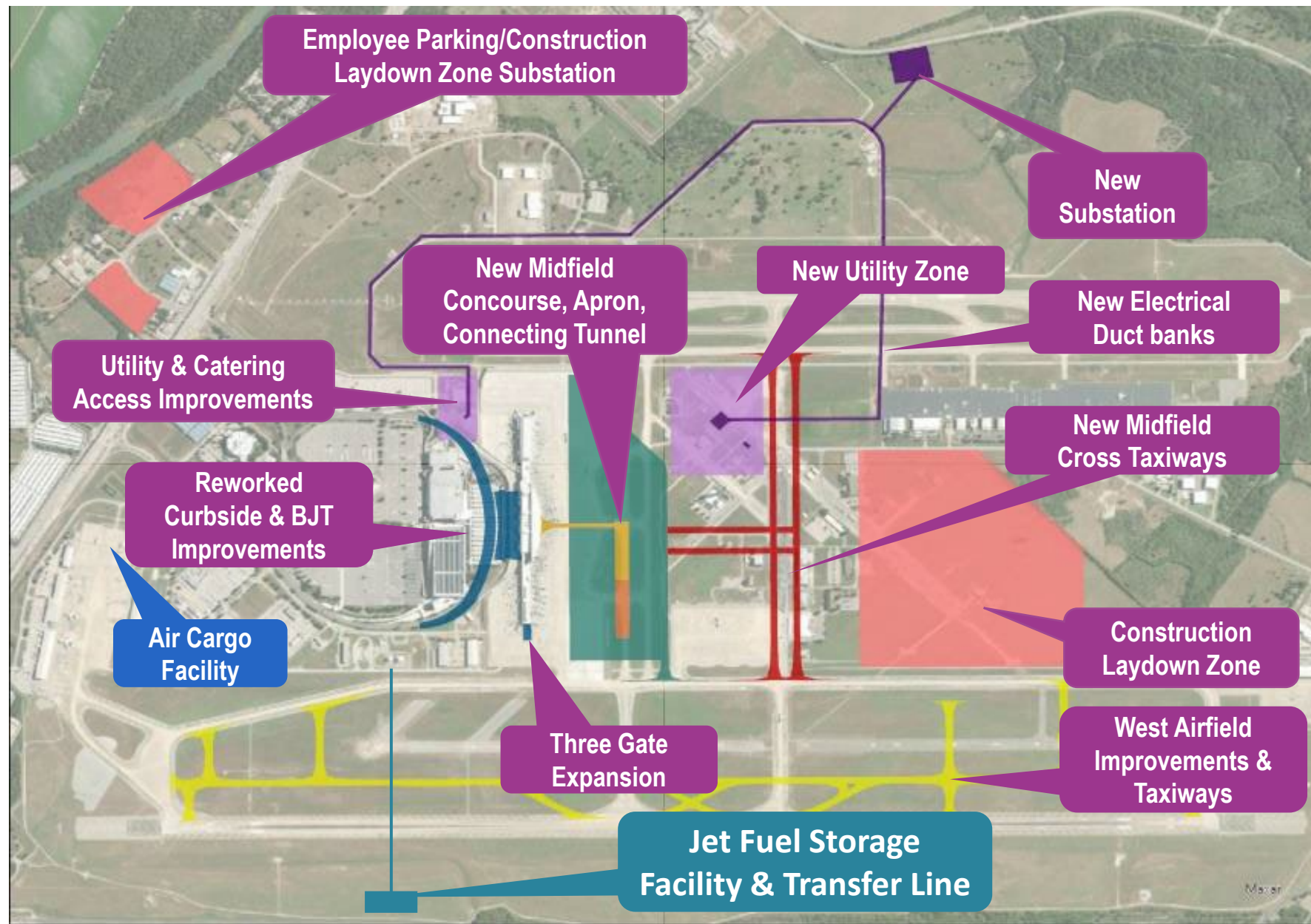
Staffed & operated 24/7 by the world's largest aviation fueling services provider

Upcoming Airport 61+ Projects:

Airport Expansion
& Development
Program – *draft EA*

Air Cargo Facility –
CatEx 2020

Jet Fuel Storage
Facility – *EA 2020*



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East Austin Petroleum Tanks Difference

East Austin Tanks

- **52 acres**
- Emitted gasoline fumes
- Poorly managed
- Lacked adequate safety designs & inspections
- Known pollution violations
- Structurally compromised
- As close as 4 – 5 feet from homes

AUS Jet Fuel Storage Facility

- **10.5 acres**
- Operated by Jet-A fuel storage experts
- Designed to *prevent pollution violations*
- Inspected *regularly* by City of Austin, AFD and third party firms
- Emergency plans for leaks, spills

	Nearest resident	
Phase 1 - Tank #1	743 ft.	Approximately 2 football fields
Phase 1 - Tank #2	640 ft.	
Phase 2 - Tank #3	558 ft.	10-15 year plan
Phase 2 - Tank #4	488 ft.	

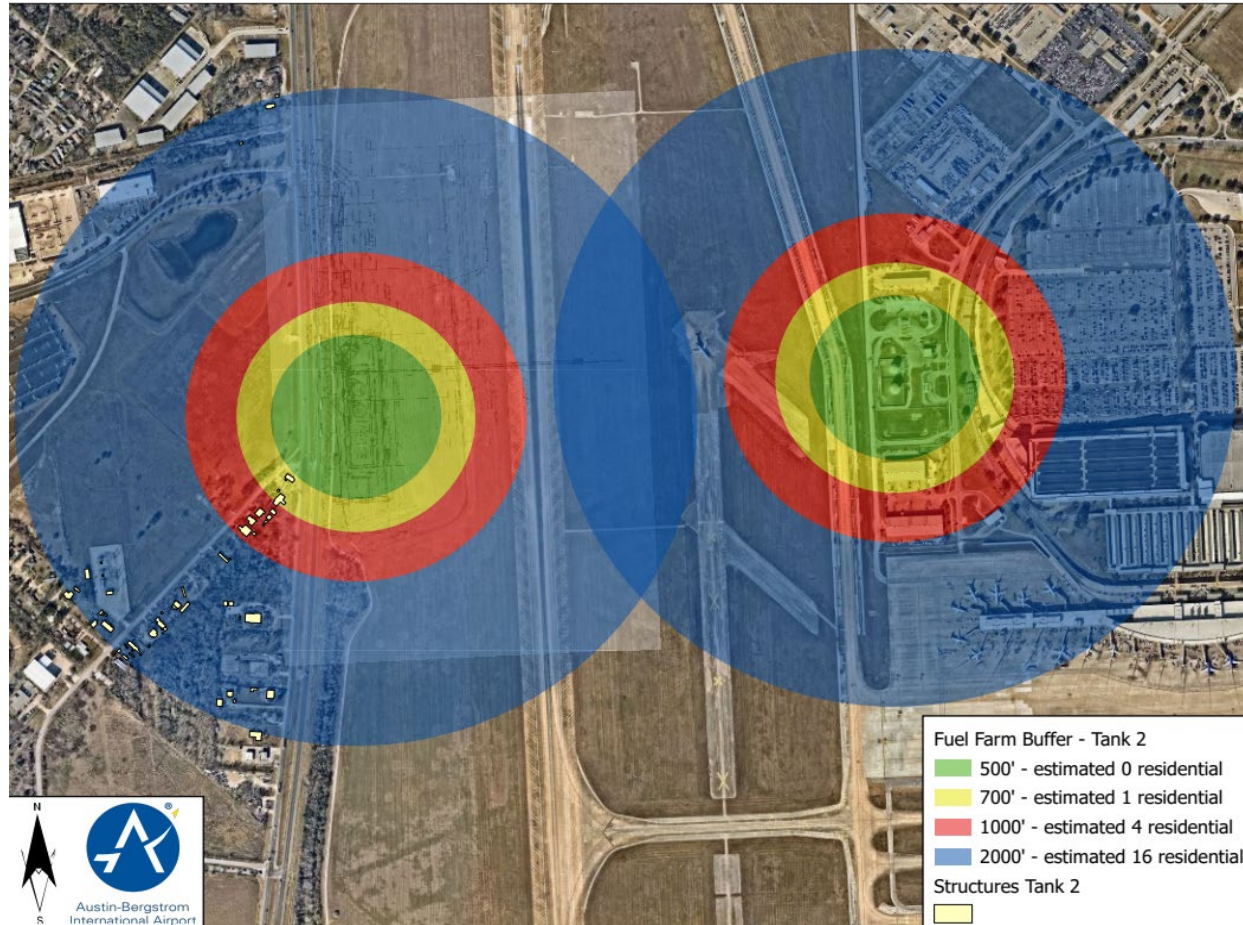


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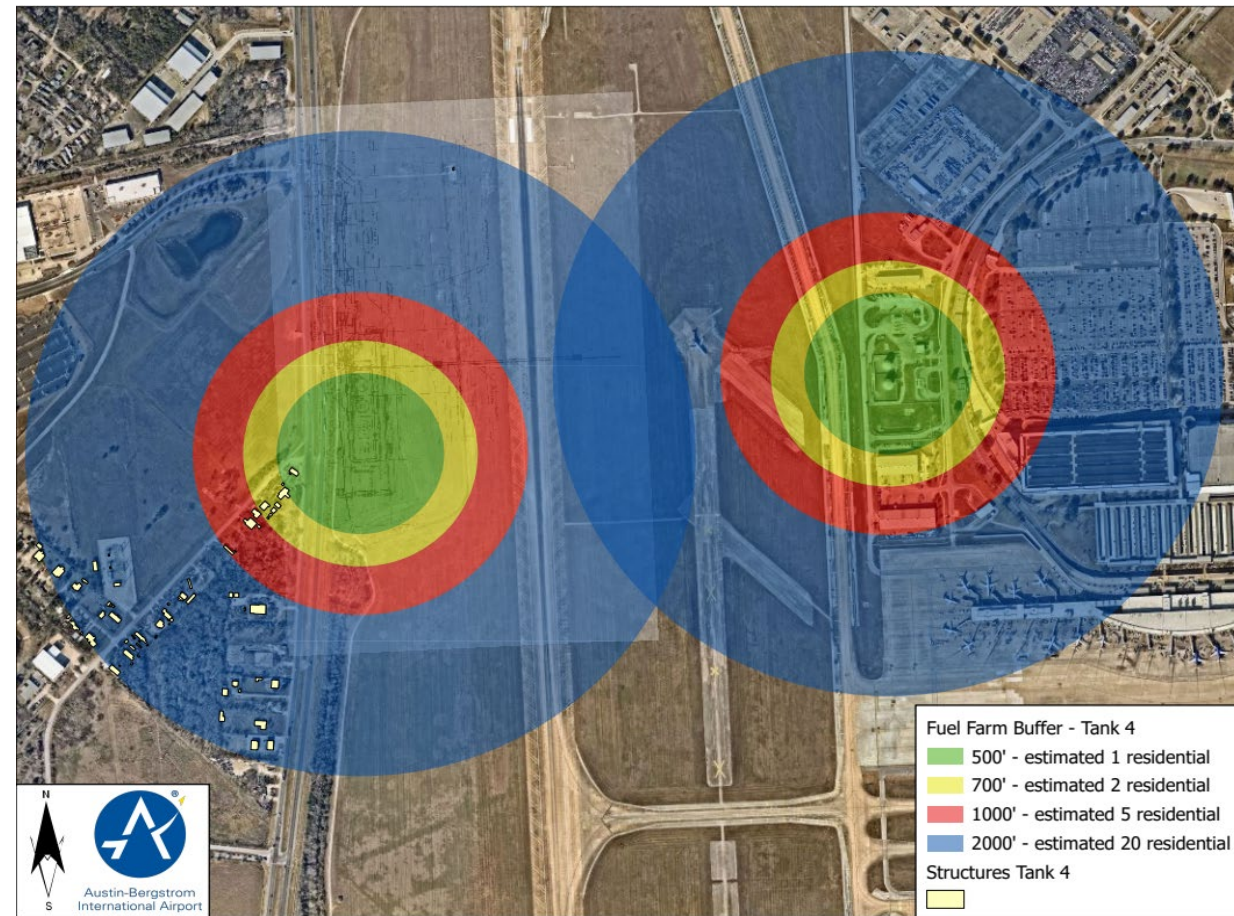
Site Location – Distance

Phase 1 (2 Total Tanks)



Phase 2 (4 Total Tanks)

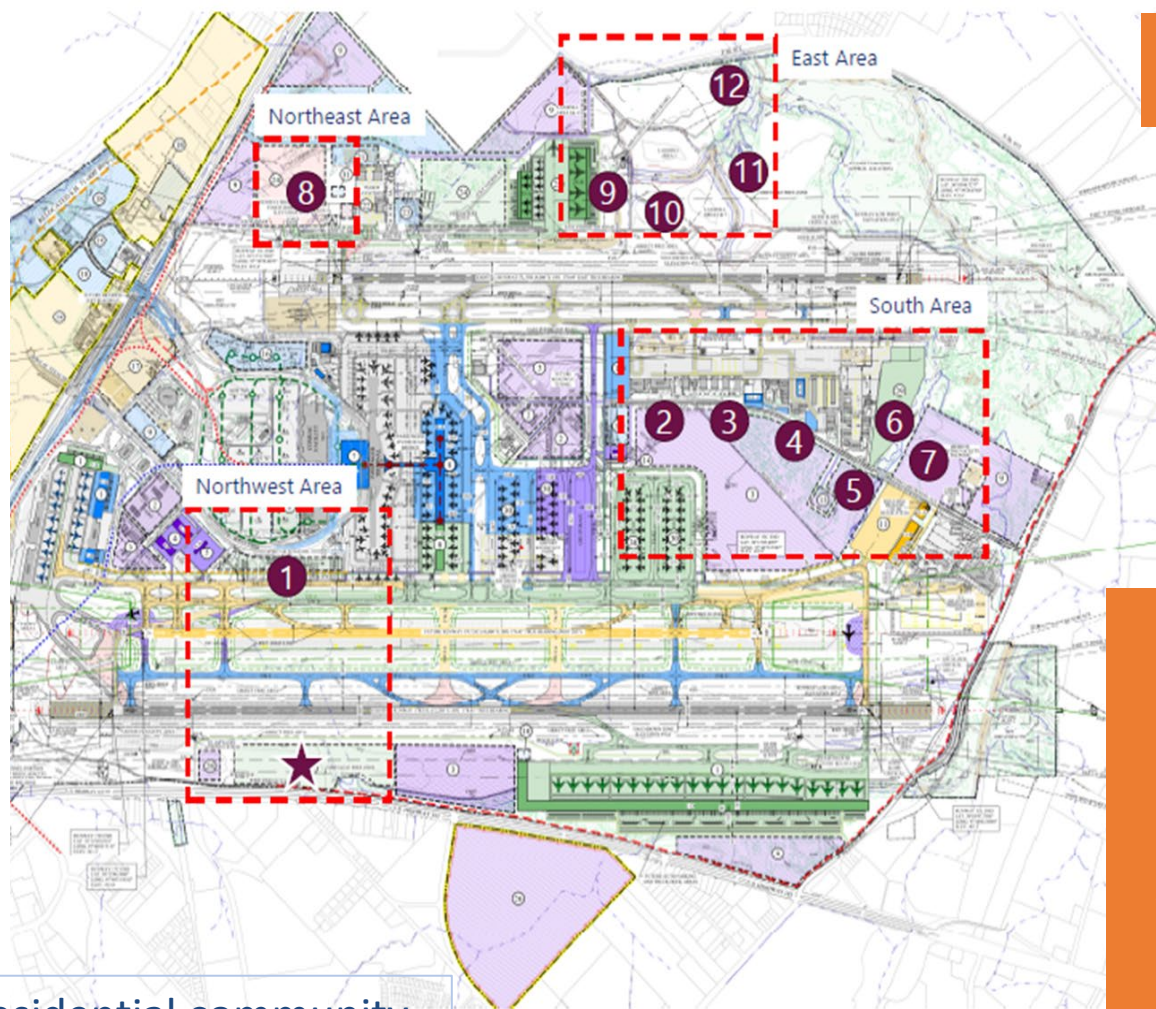
Long-term plans 15 – 20 years



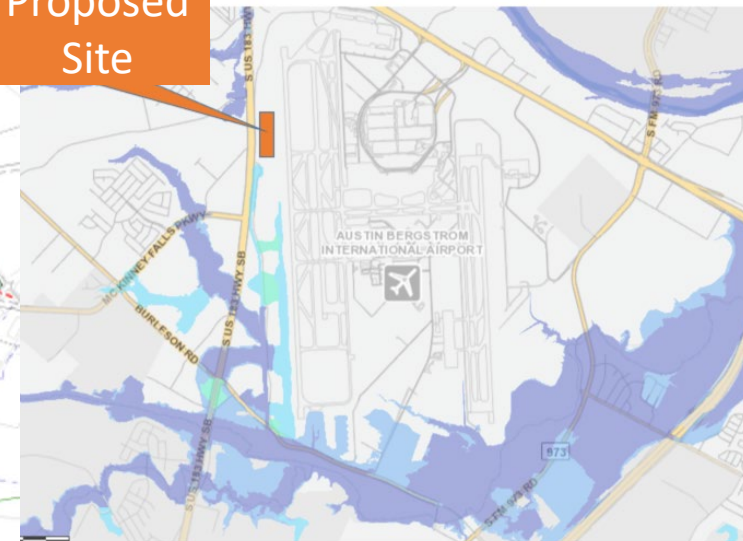
Proposed Site & Alternatives

12 sites suggested by the community were evaluated by a third party firm

- Sites are not compatible with selection criteria



Proposed Site



Selection Criteria

- LDC (Floodplain)
- Transfer line
- Future airport development
- Fuel delivery access

#8 is 727 feet away from residential community
#9-12 is 1977 feet away from residential

NEPA Environmental Assessment

✓ NEPA Environmental Assessment (EA)

- (1) air quality; (2) biological resources;
- (3) land use compatibility; (4) noise;
- (5) surface transportation; (6) wetlands/water resources;
- (7) cultural resources; (8) environmental justice;
- (9) visual resources; (10) hazardous materials; and (11) floodplains

✓ Required Mitigations

- Spill Prevention Control and Countermeasures (SPCC) Plan
- Facility Response Plan that guides spill response and mitigation efforts
- 4th signal at the intersection and acceleration/deceleration lanes
 - 44,950 daily truck volume on HWY 183
 - Phase 1 60 – 80 trucks = .001%
 - Phase 2 80 – 100 trucks = .002%

✓ The FAA issued a ***Finding of No Significant Impact (FONSI)*** in April 2020



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Environmental Compliance

✓ Texas Commission on Environmental Quality (TCEQ)

- Chapter 106 Permit By Rule §106.472
 - 25 tons of volatile organic compounds (VOCs) limit
 - Current site – 4.9 VOCs
 - New site – 3.6 VOCs
 - Emission calculation method verified – January 2022

✓ Additional TCEQ Permits

- TPDES stormwater discharge permit
- Texas Tier II (community right-to-know)

✓ City of Austin

- Site and building permits
- AFD hazardous materials permit
- MS4 stormwater discharge permit

✓ National Fire Protection Association (NFPA)

- Defines separation and setback requirements for fire and explosion protection.

Safety clearance requirements	Regulations	Proposed site
separation between the tanks	27'	51'
nearest allowed inhabitable structure	14'	*188'
from property lines and public right of way	40'	123'

*new on-site support building



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Environmental & Fire Safety

- **Environmental Safety**

- Corrosion detection warning system for leaks
- Fuel level sensors
- Auto shut-off valves
- Spill tanks / oil water separators
- Lined leak containment structures
- Multiple permits, safety plans & inspections

- **Fire Safety**

- Bonded tanks to ensure static electricity doesn't spark a fire
- Foam fire suppression system
- Tanks designed to deflect heat
- Lightning protection - FAA airport protocols
- AFD inspections every 3 months

- **Sustainability Highlights**

- Level 3+ 'Neutrality' - airports proceed with offsetting once they have reduced their emissions as much as possible
- AE Community Solar - 1.8 MWs of renewable energy on the airport campus power
- 100% renewable energy in the BJT
- Renewable natural gas for AUS's shuttle bus fleet
- LEED Gold ratings on several buildings

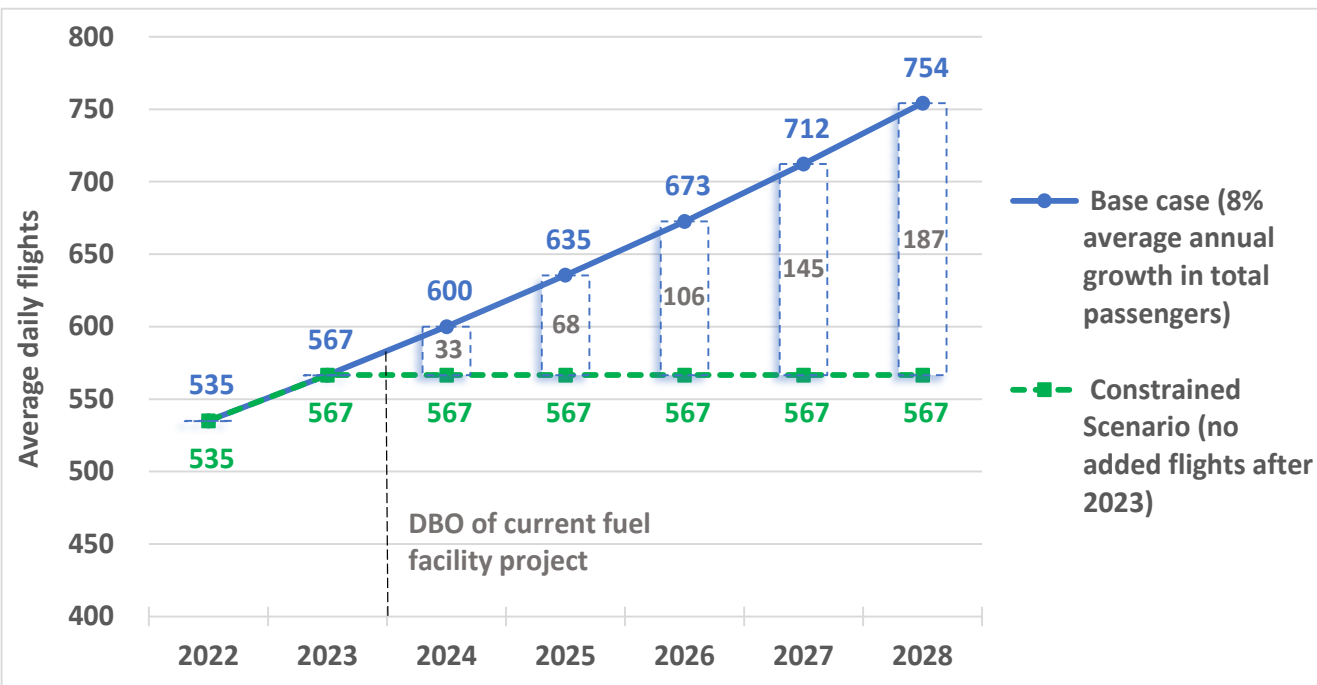


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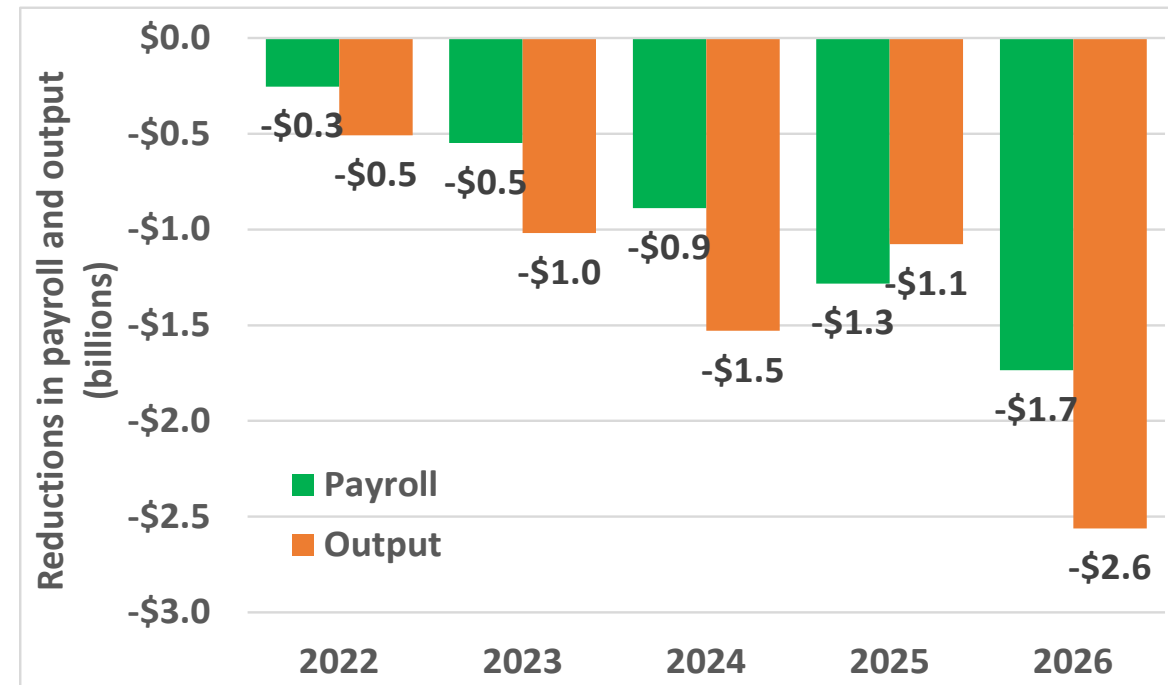
Project Delay Impact: 2022 - 2028

Average Daily Total Flights



Payroll & Output

\$4.7 billion in lost payroll, \$6.7 billion in lost output



**Estimated time for project:
58 – 61 Months**

- Estimated lost time due to delay: **30 months**
 - Design – 12 months
 - Permitting – 12 months
 - NEPA Environmental Assessment – 6-7 months
- Construction – **28-30 months**



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Exceeding Requirements

- ✓ Hired an additional third party to validate the EA process
- ✓ Hired a third party to monitor and audit facility operations for compliance
- ✓ Project design and monitoring improvements:
 - ✓ Improve the facility design with a new decorative screening fence, landscaping/hardscaping
 - ✓ Art coordination with AIPP
- Create an airport “Green Team”
 - Airport staff, business partners, and community volunteer members
 - Shared vision for community collaboration towards achieving sustainable goals
 - Formalize a comprehensive approach to AUS’s environmental stewardship
- AUS will hire a full-time community engagement professional for FY23
- Continued project updates posted to the project website – SpeakUpAustin.org/AUSFuel
- Robust community outreach to support AEDP projects



Questions?



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