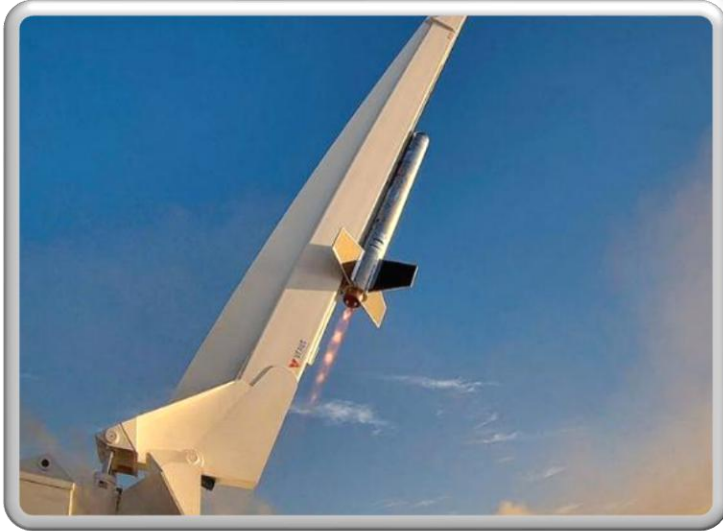


Spaceport America Overview for The Science, Technology and Telecommunications Committee



Scott McLaughlin, Executive Director

September 22, 2025

SPACEPORT AMERICA

THE GATEWAY TO SPACE®

OUTLINE

- CUSTOMERS
- CAPITAL IMPROVEMENTS
- ECONOMIC IMPACT
- BUDGET
- BUSINESS DEVELOPMENT
- SPACE ECONOMY
- VISION AND GROWTH
- EXTRA SLIDES



SPACEPORT AMERICA®

OPEN HOUSE

Sunday, Sept. 21, 2025
9:00 a.m.-2:00 p.m.

FREE ENTRY | OPEN TO THE PUBLIC

FEATURING

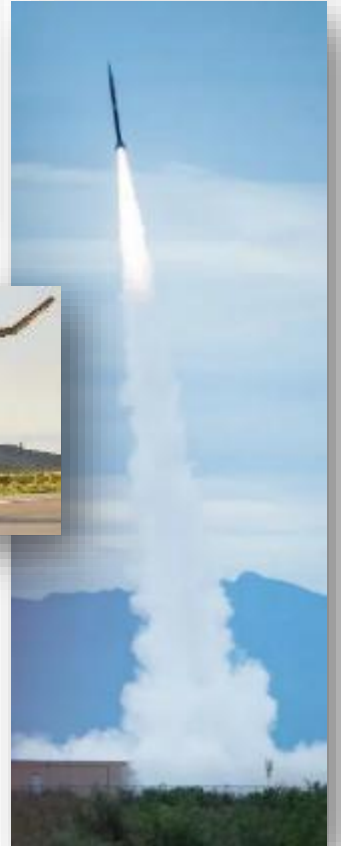
- Display Aircraft
- STEM Activities
- Guest Speakers
 - Vendors
 - Exhibitors
 - Food

REGISTER NOW

*All attendees 18 and over must bring a government-issued photo ID (driver's license, passport, passport card) to gain entry to the site.

IN CONJUNCTION WITH: LAS CRUCES SPACE FESTIVAL

CUSTOMERS



Spaceport America Status for STTC

VIRGIN GALACTIC STATUS

- Latest updates can be found here: <https://investors.virgingalactic.com/events-and-presentations>, @VirginGalactic
- Ten spaceflights have occurred in New Mexico
- NMSA and VG are in discussions for a land lease for their new launch hangar
- Space tourism example: Two spaceships, 100 flights per year, about 600 private astronauts, about 12,000 visitors to the region, with about 60,000 room nights



UPCOMING KEY MILESTONES

2025

SUMMER - FALL - WINTER
Building and Testing

2026

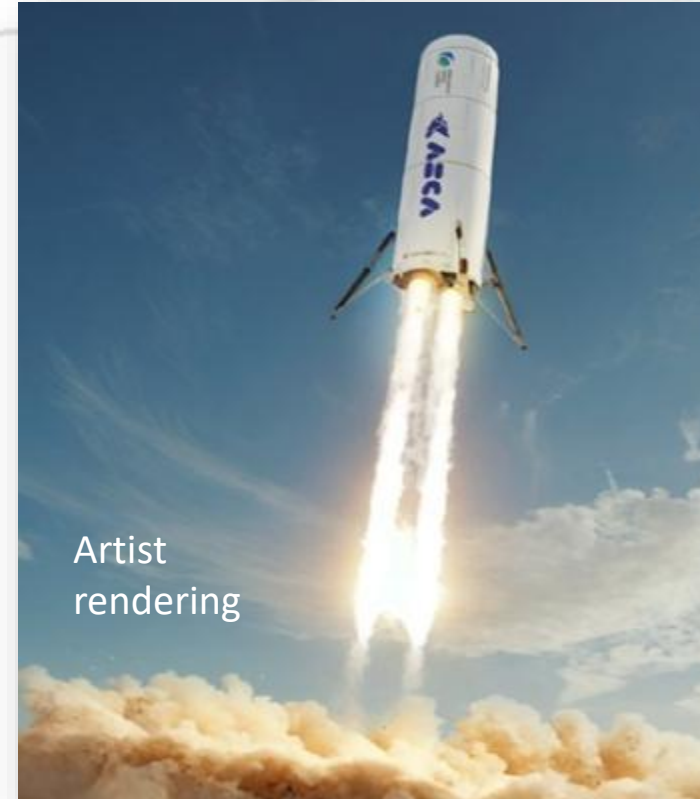
SPRING
First Glide Test Flight

SUMMER
First Research Spaceflight

FALL
First Private Astronaut Flight

NEW CUSTOMERS

- Innovative Space Carrier Inc. (ISC), a space startup based in Tokyo, Japan, and its United States subsidiary, **Sirius Technologies, Inc.**, is a new tenant, with vertical tests of a liquid rocket engine prototype
- Development focused on reusability and stable control of the rocket engines and body



- We are working to sign an agreement for **LEAP Space** for regular suborbital vertical rocket launches
- Their goal is to regularly carry suborbital payloads

CAPITAL PROJECTS UNDERWAY (LAST UPDATE, 9/5/25)

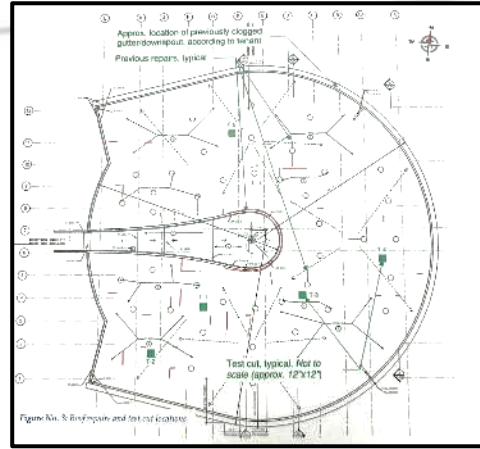


Legend						
Planning						
RFP/Procurement						
A/E						
Construction						
Close-Out/Closed						
ACTIVE PROJECTS			FY26			
PROJECT	AMOUNT	NOTES	Q1	Q2	Q3	Q4
Pavement Maintenance Engineering	\$106,685.63	NMSA is pending the semi-final report.				
HLA North/NE Road and Utility Improvements (CIVIL DESIGN)	\$117,828.00	Roadway layout Design 50%				
Fabric Hangar/Payload Facility Including Apron and Taxiway	\$20,447,610.14	Awaiting NOA				
CA Services Material Testing/QA/QC - Hangar	\$352,068.78	Purchase Order Complete. Awaiting Project Start Up				
HLA S. Access Road and Water Utilities Extension	\$2,414,474.79	Construction underway				
STARC Building Design Build	\$16,000,000.00	Design / Programming Underway				
GTS Roof Design - Architecture and Engineering	\$164,181.11	Pending RFP Responses				
ACTIVE PROJECTS TOTAL	\$39,602,848.45					

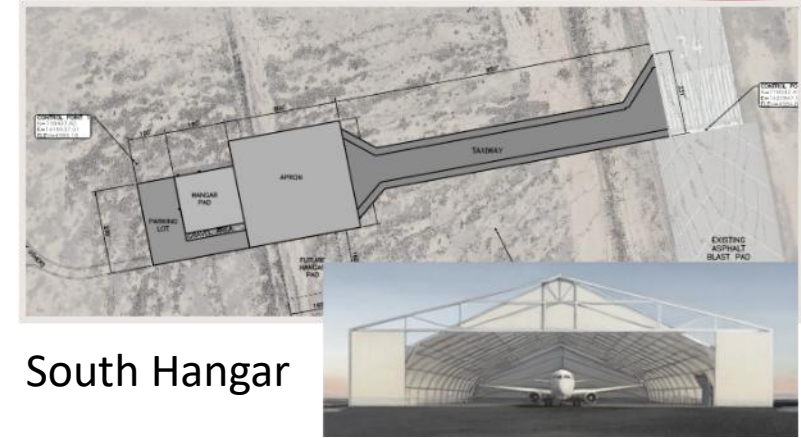
CURRENT PROJECTS UNDERWAY



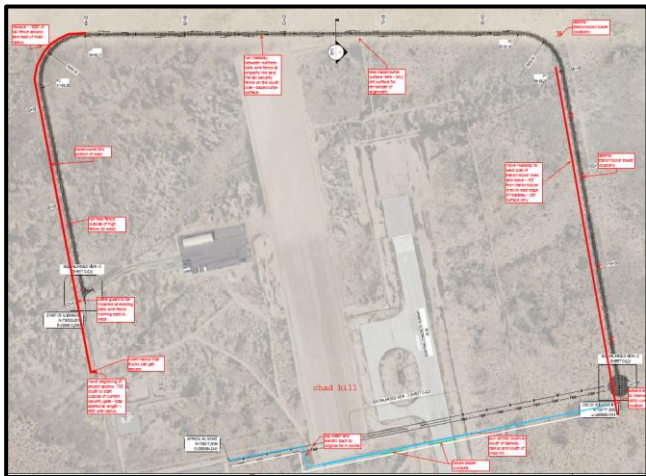
STARC Building



GTS Roof



South Hangar



North HLA Road and Utilities



Pavement Engineer



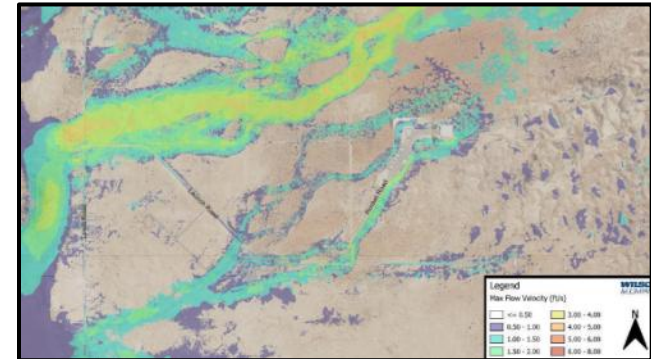
EIS Update



South HLA Road and Utilities

COMPLETED PROJECTS

- PUBLIC VIEWING LOT (STARC SITE PREP)
- LAUNCH COMPLEX 4 - LAUNCH RAIL
- VLA COMPREHENSIVE DRAINAGE ANALYSIS
- SITE-WIDE FIBER OPTIC NETWORK EXTENSION
- WIRELESS NETWORK CORE INSTALL
- LOW-POWER FM Radio
- ELECTRICAL IN VLA
- ROAD IMPROVEMENTS IN VLA



INFRASTRUCTURE CAPITAL IMPROVEMENT PLAN FY27-30



NO.	PROJECT	AMOUNT
2027	Infrastructure, Maint. & Runway Improve & Upgrade	\$ 8,000,000
2027	Hangar Pad And Apron Extension	\$ 5,000,000
2027	GTS chillers replacement	\$ 2,000,000
2027	Site Wide Water Infrastructure and Improvements	\$ 15,000,000
2027	Spaceport Taxiways and Ancillary Infrastructure	\$ 34,500,000
2028	Customer Leasable Hangar	\$ 10,000,000
2028	Rancher Mitigation and Fencing Improvements	\$ 340,000
2028	Launch Test Facilities - Vertical Launch Area	\$ 3,000,000
2028	New Fire Truck & Aircraft Rescue Veh. (ARFF)	\$ 5,000,000
2028	AMU Hangar Facility Project	\$ 40,000,000
2029	North Sanitary Sewer Extension	\$ 2,000,000
2029	HLA Access Road (VLA to HLA)	\$ 3,200,000
2029	Fenceline Rd. Re-Construction	\$ 1,800,000
2029	Leasable Facilities & Premanufactured Structures	\$ 4,500,000
2029	Main Entrance Improve Re-construction	\$ 1,600,000
2030	Aircraft & Vehicle Operations Facility	\$ 27,370,000
2030	Upham/Lewis Rd. Re-Construction	\$ 2,500,000
2030	Vertical Launch Area - LC4 Connector Road	\$ 1,000,000
2030	HLA SE Roadway and Utility Extension	\$ 4,500,000
2030	Site Fire Alarm and Comms Upgrades	\$ 1,000,000

STEM and other Outreach

- April 11, 2025 | Dona Ana Community College engineering class site visit
- April 18, 2025 | Middle Rio Grande Economic Development Association site visit
- April 22, 2025 | New Mexico Museum of Space History leadership site visit
- April 22, 2025 | Greater Gallup Economic Development Corporation site visit
- April 25, 2025 | American Institute of Aeronautics and Astronautics (AIAA), New Mexico State University, and UTEP student chapter site visit
- April 27, 2025 | The Space Race event (race held at site)
- April 28, 2025 | New Mexico Department of Cultural Affairs Cabinet site visit

- May 1, 2025 | 2025 Women in STEM Conference (El Paso, Texas)
- May 2, 2025 | Reyes Elementary STEM Expo (El Paso, Texas)
- May 3, 2025 | Truth or Consequences Fiesta (Truth or Consequences, N.M.)
- May 7, 2025 | Fairacres Elementary School site visit
- May 7, 2025 | La Clinica de Familia Preschool Program presentation (Las Cruces, N.M.)
- May 8, 2025 | Truth or Consequences Elementary School site visit
- May 8, 2025 | Southwest Region Economic Development Association (SWREDA) site visit
- May 8, 2025 | SWREDA Plenary Luncheon presentation (Las Cruces, N.M.)
- May 9, 2025 | Fairacres Elementary School Career Fair (Las Cruces, N.M.)
- May 9, 2025 | New Mexico Institute of Mining & Technology engineering class site visit
- May 16, 2025 | Canutillo STEAM Academy Fair and Rocket Launch (Canutillo, Texas)
- May 22, 2025 | CODER Juarez site visit
- May 28, 2025 | Today's Students, Tomorrow's Workforce career event (El Paso, Texas)
- May 26, 2025 | Grottaglie Spaceport Visit (Italy)
- May 29, 2025 | Mesilla Park Community School Learning Celebration (Las Cruces, N.M.)

- June 6, 2025 | Northwest Early College High School site visit

- June 10, 2025 | Socorro High School site visit
- June 12, 2025 | Los Lunas Public Library Summer STEM Cohort site visit
- June 21, 2025 | University of New Mexico Engineering Summer Academy site visit
- June 26, 2025 | Teachers in Space site visit
- June 28, 2025 | Big Bang Festival (Alamogordo, N.M.)
- July 8, 2025 | Rocketeer Academy (session one) presentations (Alamogordo, N.M.)
- July 9, 2025 | New Mexico 4-H Conference site visit
- July 10, 2025 | Rocketeer Academy (session one) site visit
- July 10, 2025 | New Mexico Governor's Office Interns site visit
- July 14, 2025 | New Space Nexus summer student cohort site visit
- July 15, 2025 | Rocketeer Academy (session two) presentations (Alamogordo, N.M.)
- July 17, 2025 | Rocketeer Academy (session two) site visit
- July 18, 2025 | UNM Engineering Student Success Center student cohort site visit
- July 22, 2025 | Rocketeer Academy (session three) presentations (Alamogordo, N.M.)
- July 24, 2025 | Rocketeer Academy (session three) site visit

- August 8, 2025 | Camino Real Middle School STEM presentations
- August 15, 2025 | ASU STEM Academy virtual site visit
- August 18, 2025 | Picacho Middle School STEM presentations
- August 19, 2025 | La Nube Aviation Day outreach (El Paso, Texas)
- August 20, 2025 | White Sands Elementary School STEM presentations
- August 22, 2025 | NMSU College of Engineering student site visit
- August 27, 2025 | Vista Middle School STEM presentations

OUTREACH AND STEM, EXAMPLES



Dr. Bill and classroom visits



Col. Alvin Drew Space Camp



NMSU Engineering Capstone Projects



UNM Engineering Student Success Center



2024 Open House



New Mexico 4-H State Conference Site Visit



Restart of the Museum of Space History partnership

Spaceport America Status for STTC

Economic Impact Analysis Notes

- The NMSU Arrowhead **Center for Border and Economic Development** (<https://cbed.nmsu.edu/>) performed the analysis for years 2019 – 2024
- The impacts include **employment** (direct, indirect, and induced), privately funded **construction**, out-of-state **visitor spending**, and spaceport **customer revenues**
- The results show that the **economic impact has been growing**, although there is a dip due to Virgin Galactic's pause to build the Delta Class spaceships
- *The report shows that Spaceport America is succeeding and accelerating in its mission is to create jobs, generate revenue and economic impact, and to help build the regional aerospace cluster.*

Economic Impact Results, 2019 - 2024

Impact	2019	2020	2021	2022	2023	2024
Direct Jobs	242	487	221	549	431	313
Total Jobs	396	896	609	811	985	790
Economic Output	\$72,265,317	\$196,511,257	\$168,920,735	\$138,080,756	\$266,020,386	\$239,784,359
Value-Added Production	\$31,756,350	\$91,988,529	\$74,519,634	\$60,435,345	\$122,419,195	\$110,769,271
Labor Income	\$22,273,071	\$59,209,861	\$52,648,224	\$45,845,649	\$81,428,508	\$73,118,968
Total Taxes:	\$7,335,456	\$19,058,128	\$16,535,240	\$12,907,325	\$27,192,833	\$24,405,576
Federal	\$4,818,874	\$13,223,950	\$11,044,930	\$9,161,760	\$18,425,948	\$16,646,473
New Mexico	\$2,239,220	\$5,834,178	\$5,490,310	\$3,745,475	\$8,766,885	\$7,759,103

NMSA Budget

- The current **Operations Budget** is about \$12 M per year. Customer revenue provides around \$8 million per year, or about 65%.
- Increased customer operations **means increased** services from NMSA.
- **Operating expenses** include fixed costs (e.g., facilities maintenance and 24/7 site operations such as EMS, Security, and Firefighting) and **services to customers**.
- We have a new **40-year economic lease with NMSLO**, but they are also now entitled to 2% of all our customer revenue.
- As customers use and pay for services, but it can take **18 months for recognition of that new revenue**, so it is possible to “go broke” from our success.
- NMSA is a non-reverting agency with a **fund balance**. This has been key in helping us deal with the loss of revenue from Virgin Galactic; however, **Budget Adjustment Requests (BARs)** can take months to take effect.
- We are asking for a **supplemental** for FY27, *as it is important to keep a Fund Balance for emergency maintenance, to handle new customer requirements, and for the budget.*

Site Operations and Maintenance Examples

Electrical

- Overhead lines and poles
- Underground lines
- Transformers
- PMHs
- Generators
- Lights
- Solar cells
- Switches

Water System

- Wells
- Pumps
- Tank
- Treatment plant
- Reverse osmosis
- Holding tanks
- Fire hydrants
- Stormwater

Runway etc.

- Surface
- Paint
- Apron
- Caulking
- Joints
- Signage
- FOD boss
- AWOS

SOC Building

- HVACs
- Plumbing
- Electricity
- Flooring
- Walls / Ceilings
- Roof
- Windows
- Elevator
- Fire protection system
- Fireman Quarters

STARC Building

- Construction starting soon

South Hangar

- Construction starting soon

VLA

- Buildings
- Roads
- Fences / Gates
- LC 4

GTS

- HVACs
- Plumbing
- Electricity
- Flooring
- Walls
- Ceiling

- Roof
- Windows
- Water system
- Fire alert system
- Fire protec. System
- Building Maintenance Sys
- Elevators
- Stairs and railings
- Skylights
- Hangar doors
- Outer walls
- Bulwarks
- Lighting
- Gallery / 4K

IT Equipment

- Servers
- Routers
- Firewalls
- Printers
- Storage
- Wi-Fi Equipment
- Remote sites equip.
- Fiber infrastructure
- Computers
- Cell & desk phones
- Telecom equip.
- LP FM Radio

Security Equip.

- Cameras
- Recording equipment
- Vehicle gates/stops
- Personnel gates
- Badge readers

Safety Equip.

- Ambulance and equipment
- ARFF truck and equipment
- Brush Truck and equipment
- Firetruck and equipment
- Fire extinguishers
- PPE
- AEDs
- AWOS

Fuel Farm

- Fuel farm
- Fuel trucks
- Certifications

Fabric Hangar 1

- Clamshell door
- HVAC
- Fire protection system

Grounds

- Mowing
- Weeding
- Fences

- Walkways
- Parking Lots
- Sidewalks
- Drainage

Roads

- Surface
- Edges
- Drains
- Striping

Equipment

- UTV 1, 2, 3
- Light towers
- Generators
- Manlift
- Tractor 1
- Road grader
- Dump truck
- Sweeper truck

General / Misc

- Trash bins etc.
- Storage containers
- Signage
- Genesis sculp.
- Public View Lot
- Visitor Experience

NMSA Budget, as of August 9, 2025

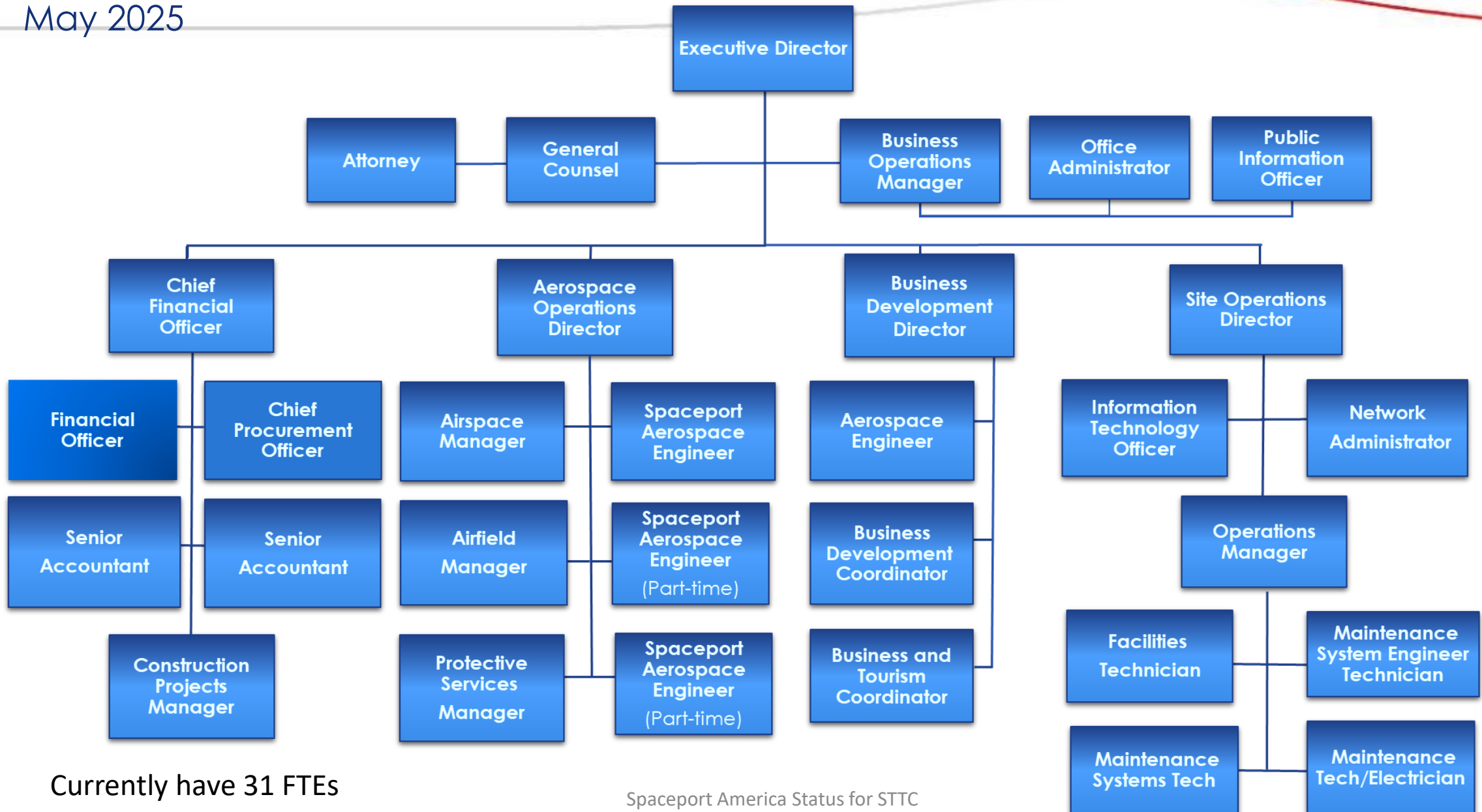
	FY24	FY25	FY26	
	Actual – Aud.	Actual – Prelim.	Budgeted	Comments
Operating Revenue	\$8,895	\$6,102	\$7,684	From customers (fees, leases, utilities, fuel)
General Fund	4,247	4,047	4,139	GF Appropriation & salaries increase
Revenue Total	13,142	10,149	11,823	
200 Personal	3,189	3,767	3,657	
300 Contract	5,074	5,525	6,553	
400 Other Costs	2,466	2,499	2,649	
Expense Total	10,729	11,791	12,859	
Fund Transfers		1,030		
Fund Balance	0	612	1,330	
Net Result	\$2,413	\$0	\$294	
Footnotes:				

(1) VG User Fees decreased \$1,670M for FY25 & projected decrease \$1,416M FY26, will resume for space flights

(2) FY25 figures are preliminary since still going through closing and audit process.

Organizational Chart, Working Titles

May 2025



Currently have 31 FTEs

- Requesting 5 additional FTEs to match the growth of spaceport customer activities
- Like any business, we cannot grow and increase our revenue without additional employees

STEM / Workforce Coordinator	<i>We need a professional educator, to better focus on the many tours, curriculum, schools/universities, and customers</i>
Deputy Director	<i>To help with increasing spaceport workload and so the Executive Director can better focus on strategy for continued growth</i>
Facilities Technician	<i>We must have increases to our maintenance crew for the two new buildings (the hangar and IT/reception building)</i>
Construction Projects Leader	<i>The oversight of both customer and NMSA capital projects is vital, but takes considerable effort</i>
Contracts Manager	<i>For creation, updating, and monitoring all vendor and customer agreements, such as NDAs, planning agreements, leases, services, etc.</i>

CURRENT BUSINESS DEVELOPMENT

- Negotiations underway for a **solar-powered data center**
- Recent meeting with FAA regarding update of **EIS** and orbital reentry and launch
- Continue to host **visits** by companies for looking to business at SpA
- Discussions ongoing **Inland Orbital Launch**
- Discussions for support of **hypersonic systems**
- testing
- Working with **horizontal flight vehicle** developers
- Working with an **Advanced Air Mobility (AAM)** customer
- In negotiations for the testing of **large defense contractor** systems
- In discussions for **electromagnetic test** facilities



<https://spacenews.com/its-time-to-unlock-inland-orbital-launch-for-a-resilient-u-s-space-future/>

OPPORTUNITY AND COMPETITION



SPACENEWS
BUSINESS | POLITICS | PERSPECTIVE

News Military Launch Commercial Opinion Sponsored More v Advertise v

The next space race starts at our spaceports

Bryce Kennedy and Geeg Autry May 1, 2023

Sign up for

SPACENEWS
BUSINESS | POLITICS | PERSPECTIVE

News Military Launch Commercial Opinion Sponsored More v Advertise v

Space Force looks at options for relieving Cape Canaveral launch congestion

Jeff Foust May 19, 2023

Sign up for our newsletter Subscribe to the Magazine

Houston Spaceport Reaches for the Stars with Transformative Expansion Project

Published Feb 23, 2024 by Hailea Schultz

GREATER HOUSTON PARTNERSHIP

With three new cutting-edge anchor tenant facilities and its second phase of development underway, the Houston Spaceport has undergone a full transformation since the city first vowed to reshape Clearing Airport into an aerospace hub in 2015.

In 2018, the Houston City Council approved nearly \$20 million in funding for infrastructure development at the Spaceport, marking the beginning of a

abc 15 ARIZONA

3... 2...1...liftoff! Yuma looks to build Arizona's first 'spaceport'

The project would put a launchpad in the Yuma County desert for small rockets to launch satellites

By: Adam Klepp

Posted 5:55 AM, Mar 28, 2025 and last updated 10:40 AM, Mar 28, 2025

SPACENEWS

The Space Economy to Reach \$944 Billion by 2033: Novaspac Unveils Key Insight

by Novaspac May 5, 2025

X M F O P

Midland Reporter-Telegram

Midland wins \$5M grant for commercial vertical rocket launch site

By Luke Dias, Staff Writer

July 25, 2025

f X

Sierra Vista ARIZONA

BlackStar Orbital signs letter of intent with City

Post Date: 03/20/2025 2:16 PM

BlackStar Orbital President and CEO Chris Jannette and Sierra Vista City Manager Chuck Potucek recently signed a letter of intent for the

KSBY CALIFORNIA'S CENTRAL COAST

By: Izzy Romero

Posted 7:25 PM, Jun 16, 2025

Paso Robles Spaceport development makes strides

DeseretNews

Utah ready to take one giant step toward a rocket launching pad

State came up short 50 years ago, but the business of space is a whole new game

Published: July 20, 2025, 9:00 p.m. MDT

THE WALL STREET JOURNAL

There's a Traffic Jam Forming at U.S. Rocket Launchpads

The nation's busiest spaceports are fielding record demand, spurring new efforts to develop launch sites in landlocked states and even at sea

By Roshan Fernandez Follow and Micah Maidenberg Follow

Jan. 5, 2025 5:30 am ET

HILL COUNTRY NEWS

Cedar Park and Williamson County launch spaceport development corporation

Posted 8/21/25

And more...

WEST TEXAS SET FOR AEROSPACE EXPANSION WITH \$21M BOOST FROM TEXAS SPACE COMMISSION

By Bianca Chavez

Published on January 30, 2025

Technology

Space Florida's toolkit lures new businesses, fuels aerospace industry growth



By J.C. Carnahan – Staff Writer, Orlando Business Journal
Jan 29, 2025 Updated Jan 29, 2025 7:59pm EST

Liberty Hill Independent August 22, 2025 WilCo partners with Cedar Park to create Central Texas Spaceport Development Corporation

US Space Force is launching more missions than ever. Lawmakers worry America's spaceports can't keep up

News By Brett Tingley published May 17, 2024

What is a spaceport? New bill rekindles Utah's old efforts to explore final frontier

By Carter Williams, KSL.com | Posted - Jan. 26, 2025 at 2:54 p.m.

Alaska spaceport deal draws rocket-launch industry interest

By Tim Ellis



Published July 10, 2025 at 12:55 PM AKDT

Canada's NordSpace begins construction on orbital spaceport. When will it open for launches?

News By Josh Dinner last updated August 18, 2025



Florida expands aerospace infrastructure with new spaceport territories in Miami-Dade and Bay counties

by Caden DeLisa | Jul 3, 2024



Texas Space Commission awards \$19 million to Borderplex Alliance for aerospace development

EL PASO, Texas (KVIA) – El Paso County just announced that the Texas Space Commission is awarding \$800,000 for the development of the West...



U.S. Rep. Dale Strong's bill would aid Huntsville airport's spaceport effort

Published: Dec. 18, 2024, 3:13 p.m.

Texas Space Commission Offers \$150M in Its First-Ever Grants

The newly created Texas Space Commission is looking for applicants for grants from the Space Exploration and Aeronautics Research Fund, marking one of the first tangible actions of the agency.

SPACE FLORIDA



EXPLORATION PARK, Fla.—January 22, 2025—Space Florida announces its annual call for projects to further develop Florida's spaceport system. The

Williamson County greenlights spaceport liftoff

By Nalani Nuylan on Wednesday, March 12, 2025

Las Vegas Spaceport seeks FAA permit for 'horizontal launch facility'

by: Greg Haas
Posted: Oct 1, 2024 / 12:21 PM PDT
Updated: Oct 1, 2024 / 12:21 PM PDT



Defence, Science & Technology News

Europe Aims to Compete in Global Space Race with New Spaceports

By News Desk | Last updated: September 1, 2025 | 4 Min Read

STRATEGY – NEXT FIVE YEARS

- Support **Virgin Galactic** to maximize the economic impact of space tourism flights and their space operations
- Focus on **regional growth**, including working with economic development organizations (EDOs) throughout Space Valley
- Continue with **infrastructure improvements** to be site-ready for new customers
- Acquire FAA **orbital reentry license** and work toward **orbital launch capability**, including point-to-point tests and operations
- Watch new technologies, find new tenants, and develop other revenue streams from a **diversity of customers**
- Continue master planning and **infrastructure development** to be site-ready for customers





**SPACEPORT
AMERICA®**

Thank you! Questions?

Scott McLaughlin
Executive Director
New Mexico Spaceport Authority

URL: www.spaceportamerica.com

Email: scott.mclaughlin@spaceportamerica.com

New Mexico Spaceport Development Act, 2005

The New Mexico Spaceport Authority shall:

- A. Encourage and foster development of the state and its cities and counties by **developing spaceport facilities** in New Mexico;
- B. Actively promote and assist public and private sector infrastructure development to attract new industries and businesses, thereby **creating new job opportunities** in the state;
- C. **Create the statutory framework** that will enable the state to **design, finance, construct, equip and operate spaceport facilities** necessary to ensure the timely, planned and efficient development of a southwest regional spaceport; and
- D. Promote educational involvement in spaceport activities and **education and training of the workforce** to develop the skills needed for spaceport operations.

We are open to use by commercial and governmental entities,
including from other countries.

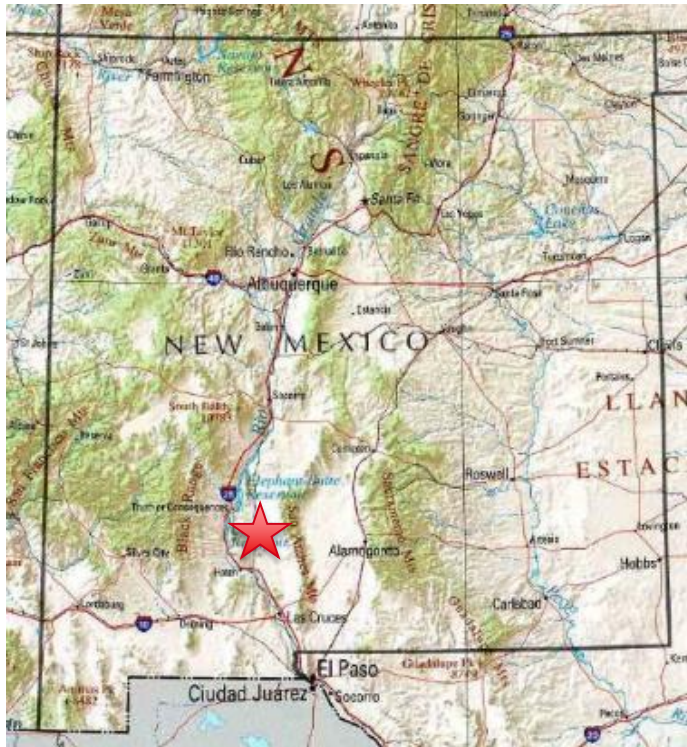
IMPORTANT SPACEPORT AMERICA DATES



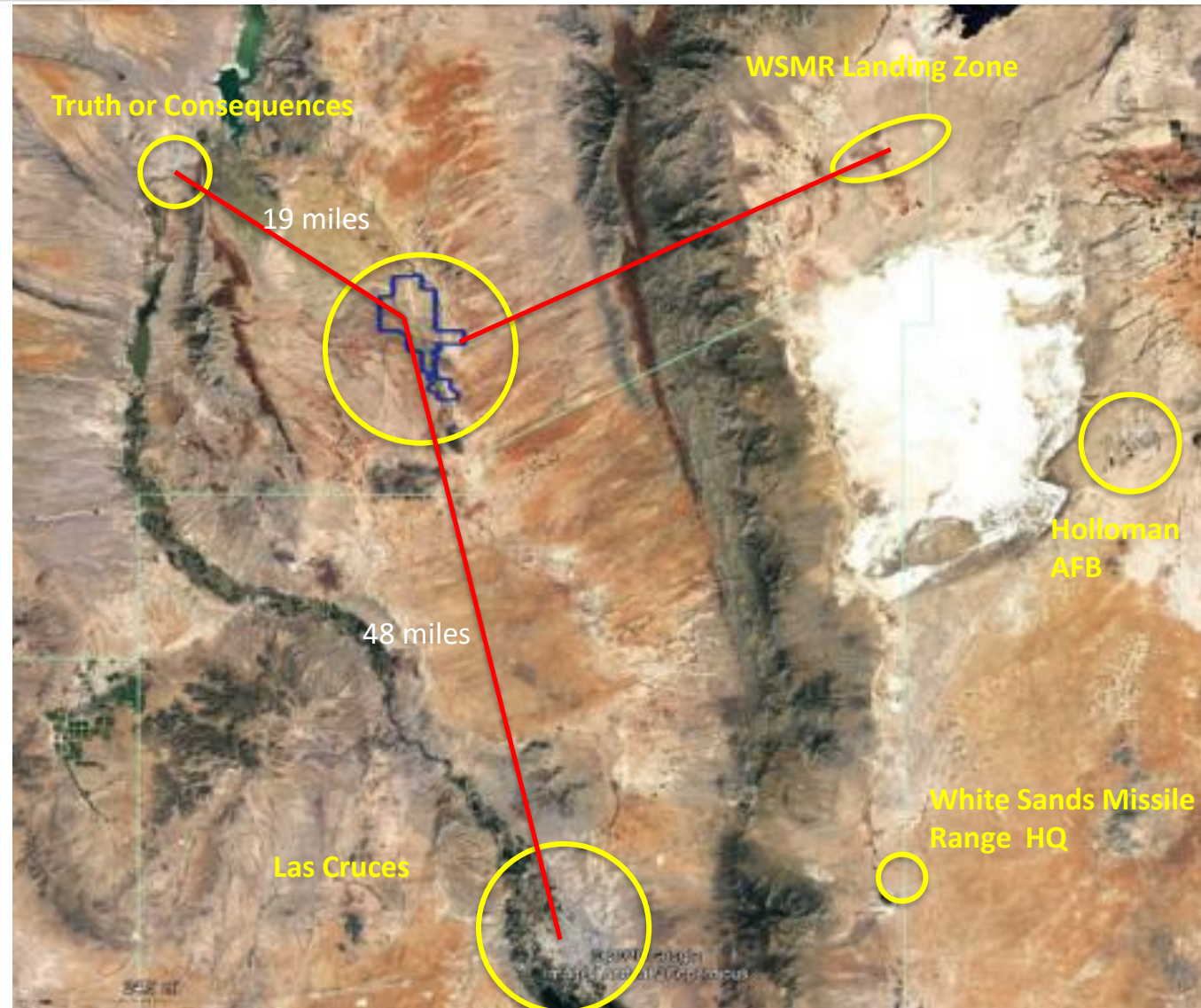
- **1984 U.S. Commercial Space Launch Act** (amended 1988, 2004)
- **1990-1993 Phase I: Spaceport Startup**
 - NM has natural advantages (low population density, high ground elevation, favorable weather, low corrosion, and uncongested airspace)
 - Seed funding for the spaceport development, and started courting capsule landing and space launch
- **1994-2003 Phase II: Southwest Regional Spaceport (SRS)**
 - Continued studies and establishment of the **NM Office of Space Commercialization** and eventual selection of an area for a spaceport (along with EIS and FAA license)
 - Shift to orbital launch site instead of capsule reentry (e.g., LM VentureStar)
 - SoNM started working with WSMR, BLM, FAA, SHPO, SLO, ranchers, counties, etc.
 - The 1996 **X-Prize** is a technology driver...
- **2004-present Phase III: Spaceport America**
 - Scaled Composites wins \$10M **Ansari X-Prize** (Oct. 4, 2004)
 - Passage of the **NM Spaceport Development Act** (2005) and begin negotiations with **Virgin Galactic**
 - The NM Legislature passed funding authorization (2006), conditional upon: 1) signing a **major customer**, 2) passage of a tax increase by at least **two counties**, and 3) securing an **FAA license**
 - **Now design and build a small city**
 - **2006** – First flight by UP Aerospace
 - **2021** – **Virgin Galactic** sends humans to space from NM

Funded by the State of New Mexico and the citizens of Dona Ana and Sierra counties (~\$250 million)

SPACEPORT AMERICA LOCATION IN NEW MEXICO

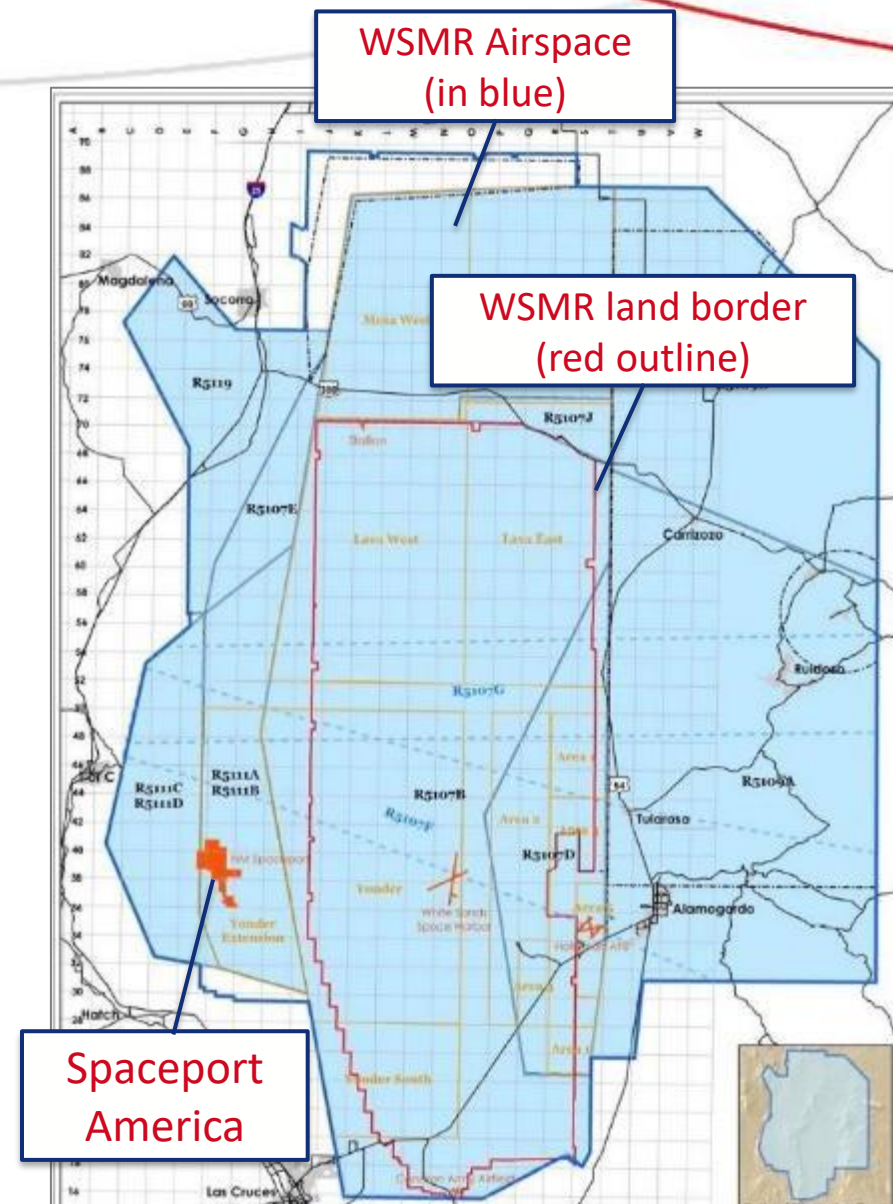


- Facilities across **18,000 acres** in Sierra County, New Mexico
- Adjacent to U.S. Army White Sands Missile Range (WSMR)
- Easy road access to I-25 and I-10
- No rerouting of air traffic



SPACEPORT AMERICA'S BENEFITS

- Good launch weather with 340+ days of sunshine
- High elevation of 4,600 ft MSL is beneficial for launch
- No salt air corrosion
- Remote location with very low population density, and very little private land
- 24/7 security, Fire, and EMS protection
- Access to 6,000 sq. miles of restricted airspace (R5111 and R5107), surface to unlimited
- Available assets from nearby White Sands Missile Range include Radar, Telemetry, Optics, and Meteorological Services
- For more on WSMR, see: <https://www.atec.army.mil/wstc/g5sc.html>



EXAMPLE AIRSPACE FLIGHT PATTERN

- The 'time lapse' image of commercial air traffic shows how airlines must fly around WSMR airspace, including Spaceport America
- With WSMR's partnership, the airspace allows for considerable flexibility for different flight vehicles and usage
- Note that SpA customers must pay for scheduling of the airspace



Spaceport America

SPACEPORT AMERICA AREA DESCRIPTIONS

Horizontal Launch Area (HLA)

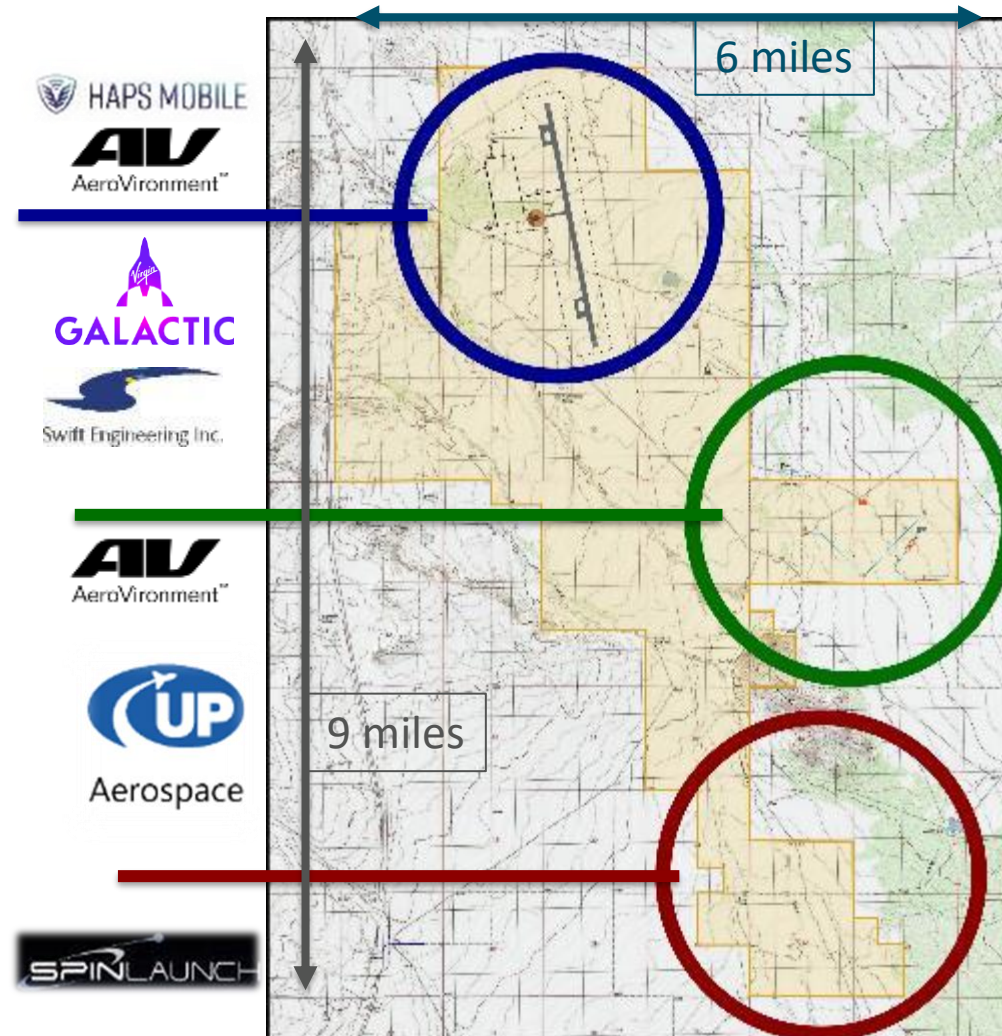
- 12,000-ft long, 200-ft wide runway
 - Horizontal and air launch operations
 - Space tourism
 - Conventional aircraft operations
 - Unmanned aircraft operations
 - High-altitude balloon operations
- **Tenants: Virgin Galactic, HAPS Mobile**

Vertical Launch Area (VLA)

- Suborbital launch vehicles & R&D
 - Solid, liquid, and hybrid propellant support
 - Rocket motor manufacturing and testing
 - Commercial and academic customer support
 - Launch from SA, land on WSMR
 - Small UAVs
- **Tenants: UP Aerospace, AeroVironment**

Advanced Technology Area (ATA)

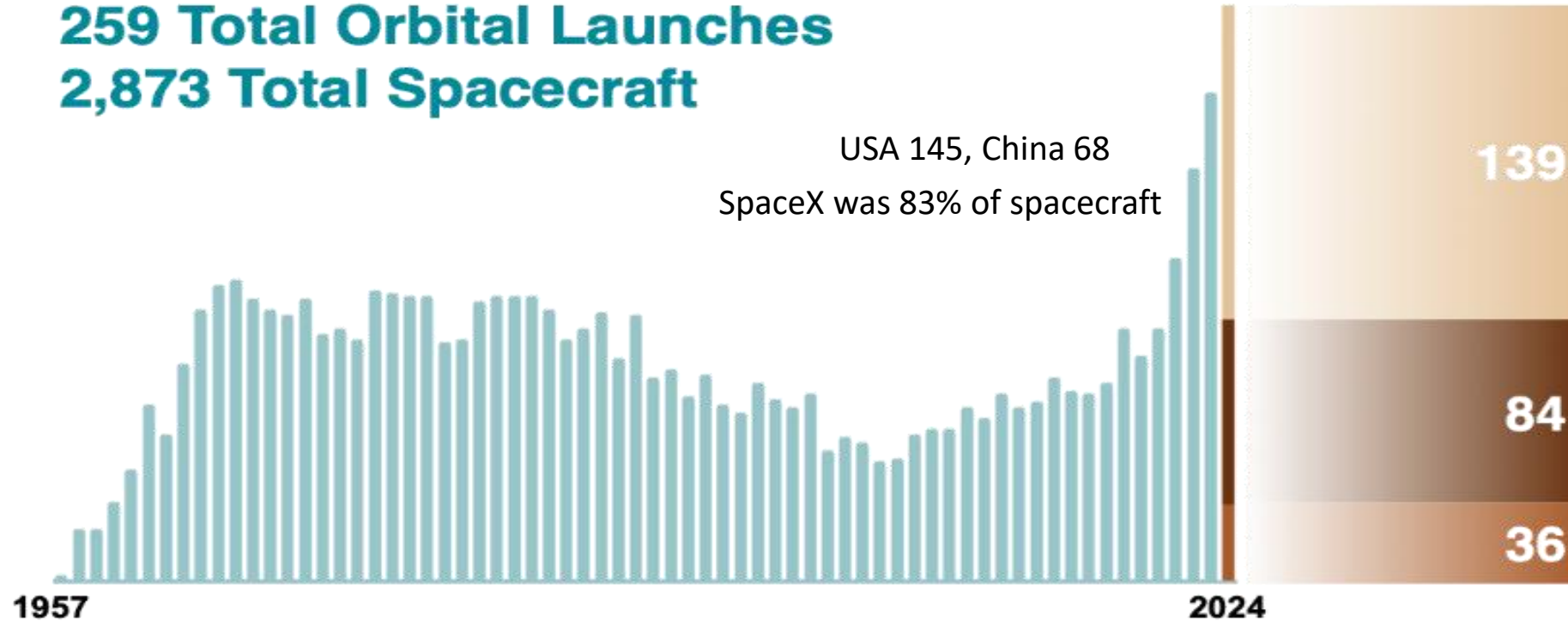
- Emerging technology R&D
 - Isolated environment
- **Tenant: SpinLaunch**






WORLD ORBITAL LAUNCHES

259 Total Orbital Launches
2,873 Total Spacecraft

USA 145, China 68
 SpaceX was 83% of spacecraft



-  **Commercial Spacecraft/Launch Vehicle:** Primary spacecraft and launch vehicle are commercially owned/operated (including non-governmental organizations)
-  **Government-Operated Launch Vehicle:** Government owned/operated launch vehicle
-  **Government-Procured Commercial Launch Service:** Owner/operator of primary spacecraft is a government entity; government has procured launch from a commercial launch service provider

Counts include unsuccessful launches. Launches are attributed to home country of launch provider, not launch site. SpaceX Starship launches not counted here as all test flights were suborbital.

From 2024 Bryce Tech Report:
<https://brycetek.com/reports/report-documents/global-space-launch-activity-2024>

- **McKinsey & Company:** We estimate that the global space economy will be worth \$1.8 trillion by 2035 (accounting for inflation), up from \$630 billion in 2023, <https://tinyurl.com/2c6ckkq8>
- **Morgan Stanley:** Space economy will surpass \$1T by 2040, www.morganstanley.com/ideas/thoughts-on-the-market-space (2022)
- **CNBC:** The space economy grew at fastest rate in years to \$469 billion in 2021, report says (<https://tinyurl.com/23wgr8mz>)
- **CNBC:** Space economy worth \$424B in 2020, and is rapidly expanding (<https://tinyurl.com/y2px7l7x>)
- **PNAS:** Space exploration and economic growth: New issues and horizons; <https://tinyurl.com/yfjp5rop> (October 2023)
- **AP Article:** *60 years since 1st American in space: Tourists lining up*, <https://tinyurl.com/yjq9k8bf> (May 2021)
- **Brookings Institute:** *How space exploration is fueling the Fourth Industrial Revolution*, <https://tinyurl.com/47mwe8ny> (March 2023)

U.S. FEDERAL AND LICENSED SPACEPORTS



MAP LEGEND

- States with Current Spaceports
- ✈ FAA-Licensed Horizontal Launch Site
- 🚀 FAA-Licensed Vertical Launch Site
- 📍 FAA-Licensed Horizontal and Vertical Launch Site
- 🔥 FAA-Licensed Reentry Site
- ★ U.S. Federal Site
- ◆ Exclusive Use Site
- * Locations licensed by the FAA or currently hosting FAA-licensed activity.

Spaceport America Status for STTC

Source: FAA/AST March 2025

- 14 FAA AST Licensed Commercial Spaceports
- Each has its own governance model and is owned by various entities, such as city, county, or state governments
- Some are on federal ranges, some are near federal ranges

A GROWING SPACE VALLEY

'LOS ALAMOS TO EL PASO AND BEYOND'



SANDIA NATIONAL LABORATORIES

The nation's premier science and engineering lab:

- Nuclear weapons and defense systems
- Energy and climate
- Global security

- Bioscience
- Computing and information science
- Electromagnetics, nanotechnology, materials science



PHYSICAL SCIENCES LABORATORIES

Provides expertise in sub-orbital platforms, information modeling for predictive decision-making, specialized intelligence community support, advanced NASA scientific exploration and experimentation, homeland security sensing and detection technologies, and advanced weapons and countermeasures.



Los Alamos National Laboratories

Delivers science and technology to protect the nation and promote world stability. Boasts a rich network of local research and business partnership programs.

- Energy
- Biotechnology
- High-energy physics
- Advanced computing



- UTEP Aerospace Center
- Leader in STEM workforce development
 - Aerospace manufacturing
 - Work in space applications,

robotic lander, hypersonic technologies, Space Domain Awareness and energy technologies



White Sands Missile Range

The DoD's largest open-air test range. Provides Army, Navy, Air Force and private sector customers with services for:

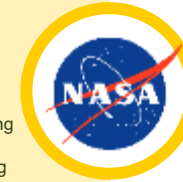
- Experimentation
- Research
- Development
- Testing
- Assessment
- Training



NASA - White Sands Test Facility

WSTF is a component of the Johnson Space Center in Houston. WSTF's role is to conduct hazardous testing, focused around six core capabilities:

- Rocket Propulsion Testing
- Oxygen System Testing
- Hypervelocity Impact Testing
- Composite Pressure System Testing
- Aerospace Fluids Testing
- Flight Acceptance Standard Testing



The Air Force Research Laboratory

Housed at Kirtland Air Force Base, leading the way in laser, optical and space supremacy technologies.

- Directed energy
- Space vehicles
- Technology Engagement Office connects private sector and academia with resources



Spaceport America

The world's first purpose-built commercial spaceport. Shares access to White Sands Missile Range restricted airspace. Home to four on-site tenants

- Virgin Galactic
- UP Aerospace
- HAPSMobile/ AeroVironment
- SpinLaunch



El Paso Space Innovation Hub (with SCIF)

El Paso INNOVATION FACTORY

Major Educational Institutions



Spaceport America Status for STTC

And hundreds of space companies