

Greater Phoenix Standard Manufacturing Ecosystem

JULY 2024

MARCH 2020

602.256.7700 /// gpec.org (🕤 💿 💿 🕼

An Environment to Support and Grow Industry

Companies in Greater Phoenix benefit from low business costs and an advantageous operating environment. The state offers a minimalist regulatory approach, no corporate franchise tax and is constitutionally recognized as a right-to-work state. From aggressive tax credits and incentives, to programs designed to increase access to capital, the region offers direct access to Arizona's robust, pro-business climate.

Comparative Operating Advantages

- Minimal regulation
- Right-to-work state
- Low unionization
- Low workers' compensation and unemployment
- Foreign Trade Zone (AZ Property Tax Benefit)
- Military Reuse Zone



- Proximity to large markets
- Incentives targeting manufacturers
- No inventory tax
- Aggressive depreciation schedules
- 100% of net operating loss may be carried forward for five years
- Sales tax exemptions on equipment and utilities used for manufacturing





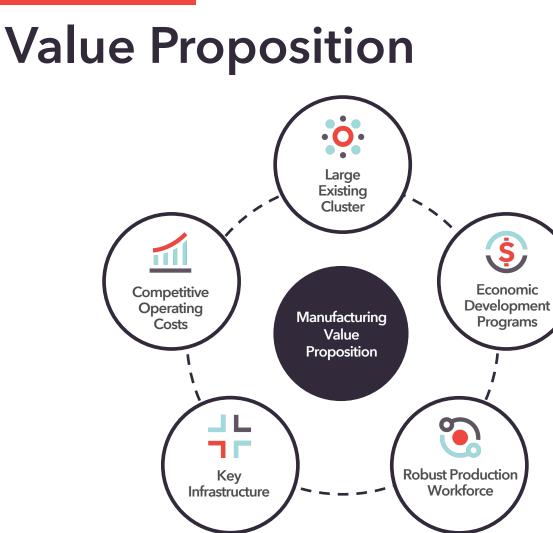
Strategic management of water supply, using 1957 consumption levels



Arizona ranked in the top 15 for low catastrophic and natural disaster risk



Electric providers APS and SRP rank as top business service providers by J.D. Power for satisfaction



| Large Existing Cluster | Economic Development Programs | Robust Production Workforce | Key Infrastructure | Competitive Operating Costs |
|--|--|---|---|--|
| Home to 3,775 manufacturing establishments Companies with a major presence in the region include Shamrock Foods, Swire Coca-Cola, Cavco Industries Major standard manufacturing sectors are food, nonmetallic mineral product, plastics and rubber, furniture and printing | Up to \$20,000/job in refundable tax credit \$9,000 of corporate income tax credits per job Additional depreciation Sales tax abatement on electricity and natural gas Sale tax exemptions for machinery and equipment Foreign Trade Zone sites can reduce property taxes by nearly 70% | Total employment of 181,279 in manufacturing establishments Labor costs are tens of thousands of dollars less per employee per year Strong talent pipeline due to manufacturing- specific programs at the high school, community college and university level | Access to Interstates 8, 10, 17 and 40 Served by Union Pacific and BNSF Railroads Sky Harbor International Airport serves many major freight carriers Well-designed existing and planned highways throughout region Multiple industrial gas manufacturing companies located within the region | Cheaper than many major competitor markets Right-to-work state Business friendly tax environment No inventory tax, 4.9% corporate income tax rate and 2.5% personal income tax rate |

Standard Manufacturing Overview

The standard manufacturing ecosystem accounts for over 45,000 jobs in Greater Phoenix. Below are some of the industries in the cluster in which Greater Phoenix excels, as well as the top companies by employment in the cluster.

Regional Competencies

| Industry | Employment |
|---|------------|
| Food Manufacturing | 10,545 |
| Nonmetallic Mineral Product Manufacturing | 6,188 |
| Plastics and Rubber Products Manufacturing | 6,027 |
| Furniture and Related Product Manufacturing | 5,312 |
| Printing and Related Support Activities | 5,137 |
| Wood Product Manufacturing | 4,470 |
| Beverage and Tobacco Product Manufacturing | 4,005 |

Largest Standard Manufacturing Employers

| Company | Industry | Manufacturing Employment |
|----------------------|---|-----------------------------|
| JBS | Animal (except Poultry) Slaughtering | 1,753 |
| West Pharmaceuticals | All Other Plastics Product Manufacturing | 1,386 |
| Swire Coca-Cola | Soft Drink Manufacturing | 885 |
| CalPortland Company | Cement Manufacturing | 828 |
| HelloFresh | Perishable Prepared Food Manufacturing | 750 |
| PepsiCo | Soft Drink Manufacturing | 667 |
| Cafe Valley | Commercial Bakeries | 605 |
| Cemex | Ready-Mix Concrete Manufacturing | 588 |
| Cavco Industries | Manufactured Home (Mobile Home) Manufacturing | 575 |
| SK Food Group | Perishable Prepared Food Manufacturing | 550 |

Strong International Presence

Greater Phoenix's standard manufacturing industry is bolstered by internationally-owned companies, which employ over 10,000 people in the region. Below are the top countries and international companies by standard manufacturing employment in Greater Phoenix.

| Parent Country | Manufacturing Employment | Distinct Count of Companies |
|----------------|--------------------------|-----------------------------|
| Brazil | 1,753 | 1 |
| Singapore | 1,511 | 3 |
| United Kingdom | 1,311 | 6 |
| Japan | 1,165 | 8 |
| Germany | 962 | 8 |
| Mexico | 860 | 5 |
| Ireland | 618 | 4 |
| Switzerland | 505 | 4 |
| Canada | 346 | 7 |
| Belgium | 274 | 2 |



Parent Country: Brazil Employees: 1,753



Parent Country: Germany Employees: 750



Parent Country: United Kingdom Employees: 885



Parent Country: Japan Employees: 828



Parent Country: Mexico Employees: 588



Parent Country: Ireland Employees: 395

Companies Headquartered in Greater Phoenix

Companies that manufacture food products, furniture, textiles and more have made Greater Phoenix their home. Below are some of the companies that have their headquarters and manufacturing operations in Greater Phoenix.



Industry: Food Manufacturing Employees: 1,855



Industry: Food Manufacturing Employees: 605



Industry: Surgical and Medical Instrument Manufacturing Employees: 600



Industry: Manufactured Home (Mobile Home) Manufacturing Employees: 591



Industry: Perishable Prepared Food Manufacturing Employees: 550



Industry: Metal Window and Door Manufacturing Employees: 350



Industry: Fiber-Based Packaging Manufacturing Employees: 200



Industry: Dental Equipment and Supplies Manufacturing Employees: 150



Industry: All Other Plastics Product Manufacturing Employees: 188



Industry: Showcase, Partition, Shelving, and Locker Manufacturing Employees: 64



Industry: Other Fabricated Wire Product Manufacturing Employees: 157



Industry: Sporting and Athletic Goods Manufacturing Employees: 65

Recent Locates and Expansions

Companies continue to see the benefits of locating in Greater Phoenix. The following companies have brought operations to the region in 2022 and 2023.



Industry: Apparel Manufacturing Phase I Jobs: 300



Industry: Plastics and Rubber Product Manufacturing Phase I Jobs: 58 រោ CONNECT HOMES

Industry: Wood Product Manufacturing Phase I Jobs: 180



Industry: Nonmetallic Mineral Product Manufacturing Phase I Jobs: 250

CCCS. CustomControlSensors

Industry: Computer and Electronic Product Manufacturing Phase I Jobs: 150

FACTOR_

Industry: Food Manufacturing Phase I Jobs: 500



Industry: Transportation Equipment Manufacturing Phase I Jobs: 94



Industry: Fabricated Metal Product Manufacturing Phase I Jobs: 355



Industry: Miscellaneous Manufacturing Phase I Jobs: 425



Industry: Food Manufacturing Phase I Jobs: 350



Industry: Food Manufacturing Phase I Jobs: 161



Industry: Primary Metal Manufacturing Phase I Jobs: 80

Mature Talent & Workforce Pipeline

Education is critical not only for companies trying to meet today's demands, but also for preparing tomorrow's workforce to excel in a dynamic manufacturing environment.

Arizona has an extremely competitive workforce regarding training, quality and availability of workers while maintaining one of the lowest costs for labor in the nation.

Arizona State University, Grand Canyon University, Maricopa Community Colleges, Northern Arizona University, University of Arizona and the University of Phoenix are among the more than 40 institutions of higher learning that prepare the region's workforce.

Arizona State University

#1 most innovative school in the U.S. (U.S. News & World Report, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024)

#1 in the nation for global impact in research, outreach, and stewardship (U.S News & World Report, 2022)

Student population of 80,000+ across four regional campuses

University of Arizona

Ranked among the top 0.5% of global universities (Center for World University, 2023)

#5 in Management Information Systems programs in the U.S. (U.S. News & World Report, 2023)

Maricopa Community Colleges

Educates and trains almost 100,000 individuals annually



Projected employment growth over the next decade is 13% compared to the national projected growth of 10%.



The current population of Greater Phoenix is 5 million and is expected to grow to nearly 6.7 million in the next 20 years.

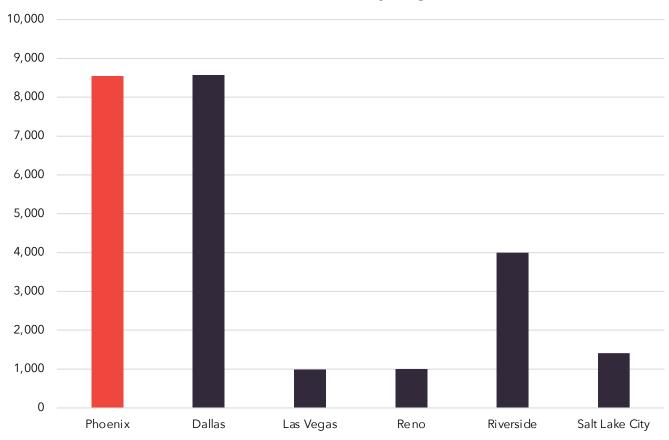


A relatively young region, Greater Phoenix has a median age of 37.6 – more than one year younger than the average nationwide.

Greater Phoenix Talent Pipeline

Below are total numbers of non-distance program completions at Greater Phoenix colleges and universities for engineering, engineering technologies and engineering-related fields, mechanic and repair technologies/technicians, precision production, and transportation and materials moving programs in 2023.

| Certificate | Associate | Bachelor | Master | Doctor | Total |
|-------------|-----------|----------|--------|--------|-------|
| 3,816 | 1,345 | 1,786 | 1,451 | 149 | 8,547 |



2023 Graduates by Region

Universities

Arizona has three four-year public universities: Arizona State University in Tempe, Northern Arizona University in Flagstaff and the University of Arizona in Tucson, along with the private Grand Canyon University. Arizona State University has top-ranked engineering and technology programs, with the Ira A. Fulton School of Engineering undergraduate program ranking in the top 20% of ranked programs by U.S. News & World Report. Many of its 350 faculty members have been honored with the highest awards in their fields. The engineering school provides almost 32,000 students per year with advanced knowledge on challenges in energy, health, sustainability, education and security. It offers a wide range of innovative programs like E2 Camps, engineering residential communities, undergraduate research, student organizations and Engineering Projects in Community Service (EPICS), to help prepare students for occupations in the future.

Arizona State University, Northern Arizona University and University of Arizona each have a full range of engineering, engineering technology/technician and general production/industrial related programs. Examples of production programs include aerospace engineering, computer engineering, electrical and electronics engineering, mechanical engineering, industrial technology/technician, machine tool technology/machinist, welding technology/welder and others. There were approximately 12,134 non-distance production-related graduates in 2023 from universities across Arizona, and the community colleges and trade schools within Greater Phoenix. Arizona State University supplied 3,257 of these graduates.

| University | Туре | City | Total Enrollment* | Total Graduates* | Production Graduates* |
|---------------------------------------|---------------------|------------|----------------------|---------------------|--------------------------|
| Arizona State University | 4-yr Public | Tempe | 79,593 | 20,996 | 3,257 |
| Grand Canyon University | 4-yr Private | Phoenix | 25,800 | 5,388 | 136 |
| Maricopa County Community Colleges | 2 to 4-yr Public | Multiple** | 99,229 | 24,178 | 2,002 |
| Northern Arizona University | 4-yr Public | Flagstaff | 23,453 | 5,655 | 244 |
| University of Arizona | 4-yr Public | Tucson | 52,629 | 11,914 | 863 |
| Total | - | - | 280,704 | 68,131 | 6,502 |

*Non-distance, except for MCCCD and UA's total graduates which is both non-distance and distance

**Locations include Avondale, Chandler, Glendale, Mesa, Phoenix, Scottsdale and Tempe

Source: Lightcast 2024 Q2 Dataset; ASU Facts; UA Fact Book; NAU Quick Facts; GCU; MCCCD Fast Facts

Community Colleges and Education Districts



Arizona Advanced Manufacturing Institute

Located at Mesa Community College, the Arizona Advanced Manufacturing Institute (AzAMI) offers industry certifications; stackable credentials that are competency based with degree and certificate programs, flexible models of delivery; and portable labs for on-site training to ensure the region has the necessary pipeline of talent for present and future companies. By partnering with leaders in the manufacturing sector, AzAMI can ensure programs meet the needs of the industry.



Maricopa County Community College District

Maricopa County Community College District (MCCCD) is comprised of 10 colleges, two skill centers and numerous education centers. This community college system is one of the largest in the country, training over 85,000 students annually. MCCCD has more than 900 areas of study, with credit programs in 95% of the highest demand occupations in the region.



East Valley Institute of Technology

The East Valley Institute of Technology (EVIT) has three locations that provide advanced career & technical education to high school students and adults with programs including health sciences, construction, welding, aviation, future engineers, cosmetic arts and more. More than 6,000 students were enrolled in the 2023-24 academic year.



Western Maricopa Education Center

Located in Glendale, the Western Maricopa Education Center (West-MEC) is a public school district dedicated to providing innovative career and technical education (CTE) programs to high school-aged students and adults. The CTE programs provide students opportunities to earn college credit and industry credentials. Currently there are more than 45,000 students from 49 high schools enrolled in West-MEC funded programs.

Community Colleges, Education Districts and Trade Schools

The table below shows enrollment and degree completion figures for higher education institutions with programs relevant to the standard manufacturing industry.

| University | Туре | City | Total Enrollment | Total Graduates | Production Graduates |
|---|----------------------|------------|---------------------|--------------------|-------------------------|
| Arizona Automotive Institute | Associate | Glendale | 411 | 246 | 244 |
| Central Arizona College | Associate | Coolidge | 4,652 | 1,243 | 123 |
| Chandler-Gilbert Community College | Associate | Chandler | 13,775 | 867 | 228 |
| DeVry University | Master's | Phoenix | 73 | 34 | 1 |
| East Valley Institute of Technology | <2-yr Certificate | Mesa | 600 | 233 | 35 |
| Estrella Mountain Community College | Associate | Avondale | 9,620 | 662 | 50 |
| GateWay Community College | Bachelor's | Phoenix | 5,142 | 2,219 | 613 |
| Glendale Community College | Bachelor's | Glendale | 13,342 | 3,380 | 234 |
| Mesa Community College | Associate | Mesa | 15,772 | 1,988 | 819 |
| Paradise Valley Community College | Bachelor's | Phoenix | 5,676 | 823 | 3 |
| Phoenix College | Associate | Phoenix | 9,649 | 1,357 | 23 |
| Refrigeration School | Associate | Phoenix | 1,006 | 793 | 705 |
| Rio Salado College | Bachelor's | Tempe | 17,078 | 1,578 | 21 |
| Scottsdale Community College | Associate | Scottsdale | 7,065 | 433 | 9 |
| South Mountain Community College | Associate | Phoenix | 3,706 | 879 | 2 |
| Universal Technical Institute of Arizona | Associate | Avondale | 2,630 | 1,621 | 1,621 |
| Western Maricopa Education Center | <4-yr Certificate | Glendale | 223 | 131 | 94 |
| Total | - | - | 110,420 | 18,487 | 4,825 |

Labor Analysis

Labor Pool

The table below shows employment for the following standard manufacturing occupations in the selected metros.

| Occupation | Phoenix | Dallas | Las Vegas | Reno | Riverside | Salt Lake City |
|---|---------|---------|-----------|--------|-----------|-------------------|
| General and Operations Managers | 69,086 | 135,435 | 31,006 | 8,090 | 21,640 | 29,901 |
| Laborers and Freight, Stock, and Material Movers, Hand | 52,697 | 80,384 | 34,146 | 9,343 | 79,701 | 14,373 |
| Maintenance and Repair Workers, General | 24,113 | 41,529 | 12,248 | 3,151 | 14,699 | 7,182 |
| Miscellaneous Assemblers and Fabricators | 17,516 | 37,353 | 2,628 | 6,261 | 12,097 | 8,299 |
| Shipping, Receiving, and Inventory Clerks | 14,395 | 29,756 | 7,577 | 3,992 | 14,751 | 10,959 |
| Industrial Truck and Tractor Operators | 13,417 | 34,181 | 2,833 | 1,519 | 28,732 | 3,780 |
| Inspectors, Testers, Sorters, Samplers, and Weighers | 7,121 | 15,354 | 2,213 | 1,080 | 5,105 | 3,003 |
| First-Line Supervisors of Production and Operating Workers | 6,177 | 17,168 | 2,240 | 1,674 | 4,960 | 3,528 |
| Packers and Packagers, Hand | 5,982 | 26,184 | 3,582 | 2,159 | 16,890 | 3,113 |
| Industrial Engineers | 5,361 | 7,836 | 320 | 470 | 1,203 | 2,286 |
| Welders, Cutters, Solderers, and Brazers | 4,634 | 11,575 | 1,145 | 410 | 3,885 | 1,261 |
| Packaging and Filling Machine Operators and Tenders | 4,480 | 7,626 | 934 | 596 | 4,157 | 1,706 |
| Machinists | 3,971 | 4,255 | 289 | 336 | 1,823 | 1,221 |
| Mechanical Engineers | 3,671 | 4,940 | 462 | 360 | 1,360 | 1,627 |
| Electrical Engineers | 3,002 | 4,583 | 540 | 366 | 1,006 | 1,150 |
| Industrial Production Managers | 2,376 | 5,398 | 680 | 399 | 1,989 | 1,057 |
| Production Workers, All Other | 2,302 | 3,331 | 2,186 | 1,146 | 3,989 | 1,331 |
| Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic | 1,348 | 4,008 | 220 | 224 | 1,092 | 568 |
| Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic | 1,096 | 1,748 | 194 | 192 | 376 | 513 |
| HelpersProduction Workers | 1,004 | 7,293 | 550 | 333 | 2,042 | 588 |
| Total | 243,749 | 479,937 | 105,996 | 42,102 | 221,496 | 97,446 |

Labor Analysis

Labor Costs

The table below shows median wage for the following standard manufacturing occupations in the selected metros.

| Occupation | Phoenix | Dallas | Las Vegas | Reno | Riverside | Salt Lake City |
|---|-----------|-----------|-----------|-----------|-----------|-------------------|
| General and Operations Managers | \$94,279 | \$102,075 | \$84,282 | \$100,713 | \$104,395 | \$94,338 |
| Laborers and Freight, Stock, and Material Movers, Hand | \$39,198 | \$37,673 | \$37,294 | \$40,587 | \$46,252 | \$39,482 |
| Maintenance and Repair Workers, General | \$47,244 | \$44,285 | \$47,882 | \$48,006 | \$49,462 | \$48,108 |
| Miscellaneous Assemblers and Fabricators | \$40,548 | \$36,849 | \$36,982 | \$40,809 | \$39,250 | \$37,919 |
| Shipping, Receiving, and Inventory Clerks | \$39,743 | \$38,346 | \$37,253 | \$43,806 | \$39,257 | \$36,105 |
| Industrial Truck and Tractor Operators | \$45,440 | \$43,860 | \$42,536 | \$49,559 | \$48,227 | \$46,861 |
| Inspectors, Testers, Sorters, Samplers, and Weighers | \$48,701 | \$42,344 | \$46,176 | \$50,484 | \$45,806 | \$47,400 |
| First-Line Supervisors of Production and Operating Workers | \$67,000 | \$61,932 | \$55,786 | \$56,357 | \$64,561 | \$66,761 |
| Packers and Packagers, Hand | \$36,047 | \$31,982 | \$37,045 | \$38,268 | \$39,223 | \$35,888 |
| Industrial Engineers | \$103,043 | \$102,225 | \$97,594 | \$108,385 | \$100,891 | \$103,958 |
| Welders, Cutters, Solderers, and Brazers | \$48,596 | \$48,197 | \$52,707 | \$54,679 | \$49,928 | \$55,180 |
| Packaging and Filling Machine Operators and Tenders | \$35,315 | \$35,711 | \$37,086 | \$41,305 | \$38,346 | \$38,485 |
| Machinists | \$51,771 | \$53,328 | \$46,155 | \$49,317 | \$49,487 | \$57,373 |
| Mechanical Engineers | \$98,511 | \$99,806 | \$81,370 | \$84,931 | \$99,464 | \$93,786 |
| Electrical Engineers | \$104,467 | \$97,248 | \$86,466 | \$97,531 | \$101,540 | \$104,324 |
| Industrial Production Managers | \$125,756 | \$120,576 | \$96,866 | \$117,115 | \$107,007 | \$115,023 |
| Production Workers, All Other | \$36,957 | \$38,768 | \$35,755 | \$39,315 | \$36,307 | \$38,398 |
| Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic | \$44,807 | \$39,624 | \$37,565 | \$44,470 | \$43,471 | \$43,797 |
| Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic | \$37,720 | \$44,506 | \$34,977 | \$41,142 | \$41,595 | \$41,515 |
| HelpersProduction Workers | \$37,096 | \$35,182 | \$30,118 | \$46,678 | \$37,523 | \$37,034 |

Operating Cost Analysis

The Annual Business Operating Cost Analysis has been prepared using the following parameters as an estimate for standard manufacturing operations in competitor markets. Custom analyses to match your company's operations can be provided upon request.

Assumptions

- \$5,000,000 personal property investment
- 50,000 square foot Industrial Manufacturing, Lease
- Utilities (per month):
 - Electricity: 75KW, 50,000KWh
 - Water/Wastewater: 3,000cf, 5/8 meter
- 150 jobs (Bureau of Labor Statistics equivalent occupations)

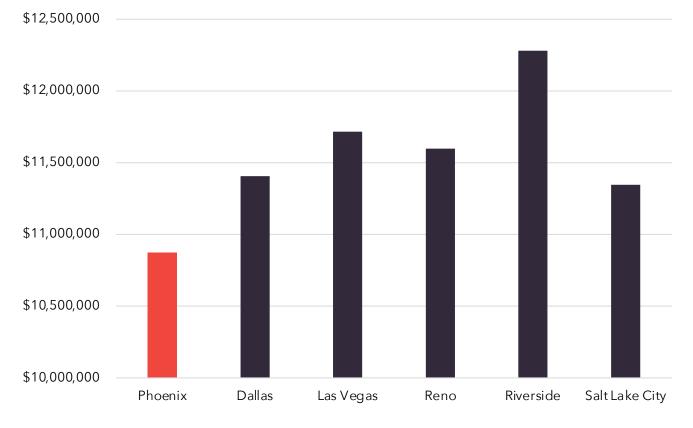
| Occupations | Employment |
|--|------------|
| Computer-Controlled Machine Operators | 30 |
| Laborers and Material Movers, Hand | 20 |
| Helpers-Production Workers | 20 |
| Machinists | 20 |
| Team Assemblers | 20 |
| First-Line Supervisors of Production Workers | 12 |
| Inspectors, Testers, Samplers, and Weighers | 10 |
| First-Line Supervisors of Laborers and Material Movers | 5 |
| Shipping, Receiving, and Traffic Clerks | 5 |
| Industrial Truck and Tractor Operators | 5 |
| Industrial Production Managers | 2 |
| General and Operations Managers | 1 |
| Total | 150 |

Operating Cost Analysis

Annual Operating Cost

| Metro | Payroll | Benefits | Utilities | Real Estate | Property Tax | Total Operating Cost | Index |
|-------------------|-------------|-------------|-----------|----------------|-----------------|-------------------------|--------|
| Phoenix | \$8,262,282 | \$2,007,894 | \$60,842 | \$540,000 | \$2,299 | \$10,873,318 | 100.0% |
| Dallas | \$8,680,814 | \$2,114,780 | \$77,844 | \$419,500 | \$113,229 | \$11,406,166 | 104.9% |
| Las Vegas | \$8,691,077 | \$2,245,110 | \$77,120 | \$648,000 | \$54,815 | \$11,716,122 | 107.8% |
| Reno | \$8,659,461 | \$2,237,433 | \$72,294 | \$565,000 | \$63,964 | \$11,598,153 | 106.7% |
| Riverside | \$8,856,179 | \$2,370,363 | \$114,294 | \$882,000 | \$58,700 | \$12,281,536 | 113.0% |
| Salt Lake City | \$8,502,685 | \$2,272,606 | \$42,378 | \$475,000 | \$52,685 | \$11,345,354 | 104.3% |

Total Operating Cost by Region



Operating Cost Analysis

Arizona Tax Environment vs. Competitor Markets

Arizona has a very competitive tax and mandated benefits environment compared to peer markets.

| | Sales Tax . | Corporat | e Income | Inventory | Unemployment Insurance | | | Workers Comp. | |
|-------------------|-------------|----------|-------------------|-----------|---------------------------|--------------|---------------------------|--------------------------------|--|
| Metro Rate | | Tax Rate | Bases | Tax | Rate (as % of Payroll) | Wage Base | Max. Weekly Benefit | (Rate per \$100 Payroll) | |
| Phoenix | 8.60% | 4.90% | Net Income | No | 2.00% | \$8,000 | \$320 | \$0.87 | |
| Dallas | 8.25% | 0.75% | Taxable Margin | Yes | 2.70% | \$9,000 | \$577 | \$0.88 | |
| Las Vegas | 8.38% | 1.17% | Payroll | No | 2.95% | \$40,600 | \$585 | \$1.00 | |
| Reno | 8.27% | 1.17% | Payroll | No | 2.95% | \$40,600 | \$585 | \$1.00 | |
| Riverside | 8.75% | 8.84% | Net Income | No | 3.40% | \$7,000 | \$450 | \$2.26 | |
| Salt Lake City | 7.75% | 4.85% | Net Income | No | 3.80% | \$47,000 | \$746 | \$0.86 | |

Source: Applied Economics Metrocomp Tool, July 2024

Industrial Market Rates

The table below provides the market rates for leasing industrial buildings within Greater Phoenix and competitor markets.

| Metro | Market Rent/ SF | Index |
|---------------------------|-----------------|--------|
| Phoenix | \$1.13 | 100.0% |
| Dallas | \$0.81 | 71.7% |
| Las Vegas | \$1.19 | 105.3% |
| Reno | \$0.76 | 67.3% |
| Riverside (Inland Empire) | \$1.15 | 101.8% |
| Salt Lake City | \$0.91 | 80.5% |

Source: CoStar 2024 Q2 Industrial Market Reports

Statutory Incentives

Statutory Incentives

Even with the highly competitive tax environment in Greater Phoenix and Arizona, there are several tax incentives that can be utilized to mitigate operating costs. Some of the most relevant to the manufacturing industry are listed below. Please note that this is not a comprehensive list of all incentives available within the state of Arizona. Additionally, it should be noted that this document is only a guide for potential incentives. Actual incentives will depend on actual project parameters and varying program qualifications and requirements as determined by the Arizona Commerce Authority.

Quality Jobs Tax Credit

Quality jobs provides tax credits to employers creating a minimum number of net new quality jobs and making a minimum capital investment in Arizona. The Quality Jobs Tax Credit offers up to \$9,000 of Arizona income or premium tax credits over a three-year period for each net new quality job. The tax credit is equal to \$3,000 per qualified employment position, employed for each full taxable year of continuous employment for three years. If the allowable tax credit exceeds the income or premium tax liability, any unused amount may be carried forward for up to five consecutive taxable years. Employers must cover 65% of employee health insurance premium costs. Additional program qualifications are listed below.



\$9,000 corporate income tax credits per job (\$3,000/employee/year) 10K

Capped at 10,000 jobs per year



Employer must offer to pay at least 65% of employee health insurance premium

Urban

| Min. New Jobs | County Median Wage | Maricopa | Min. Capex |
|------------------|--------------------------|----------|-------------|
| 25 | 100% | \$46,331 | \$5,000,000 |
| 25 | 125% | \$57,914 | \$2,000,000 |
| 25 | 150% | \$69,497 | \$1,000,000 |
| 25 | 200% | \$92,662 | \$500,000 |

Rural

| Min. New Jobs | County Median Wage | Pinal | Min. Capex |
|------------------|--------------------------|----------|-------------|
| 5 | 100% | \$43,680 | \$1,000,000 |
| 5 | 125% | \$54,600 | \$500,000 |
| 5 | 150% | \$65,520 | \$100,000 |

Statutory Incentives

Qualified Facilities Refundable Tax Credit

- Targets manufacturing facilities, including those focusing on research and development or headquarters locations
- Offers refundable income tax credit equal to the lesser of:
 - 10% of the qualifying capital investment, or
 - \$20,000 per net new full-time employment position at the facility, or
 - \$30,000,000 per taxpayer
- Requires annual wages of greater than 125% of the state median wage for production occupations in urban areas (\$55,744); 100% in rural areas (\$44,595)
- At least 65% of benefits package covered by employer
- Minimum investment of \$250,000

Military Reuse Zones (MRZ)

- Established in 1992 to minimize the impact of military base closures, both Arizona-designated MRZs are in Greater Phoenix: Phoenix-Mesa Gateway and Goodyear Airports. Businesses located in MRZs are subject to the following benefits:
 - Transaction Privilege Tax Exemption Exemption from transaction privilege tax on contracts for certain types of construction at an MRZ
 - Property Reclassification Both real and personal property can be reclassified from Class 1 (16.5% assessment ratio) to Class 6 (5% assessment ratio), which may result in property tax savings of up to 72.2% for a period of five years

Foreign Trade Zones (FTZ)

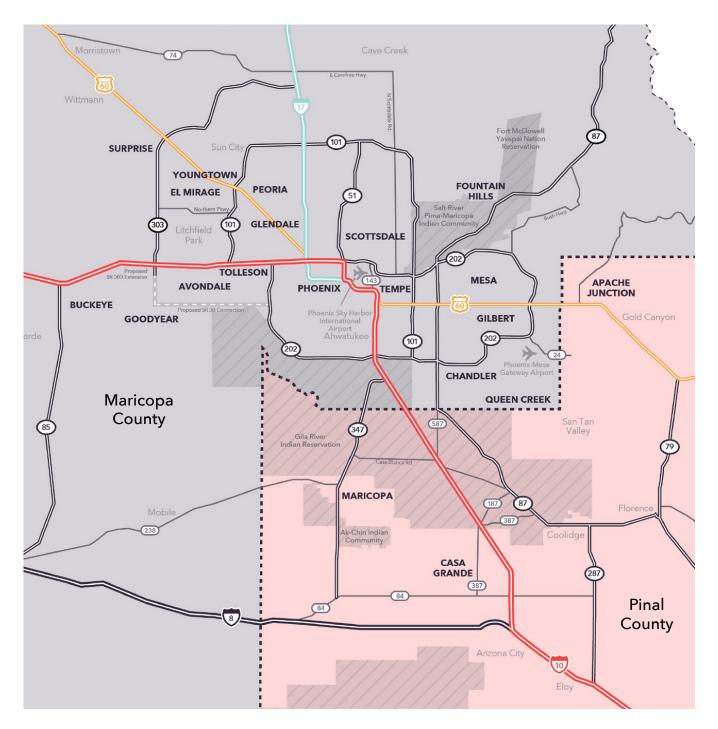
- Designated areas where imports can be stored without full customs formalities
- In Arizona, property is reclassified from Class 1 to Class 6, lowering assessment ratio from 16.5% to 5%
- Property tax savings of up to 69.7%

HB2822

This legislation sets the full cash value of business and agricultural personal property initially classified during or after Tax Year 2022 to 2.5% of the property's acquisition cost. Properties that can benefit from the new legislation include shopping centers, golf courses, manufacturers, and other personal property devoted to commercial or industrial use that is not classified elsewhere, agricultural property, and personal property in a FTZ or MRZ.

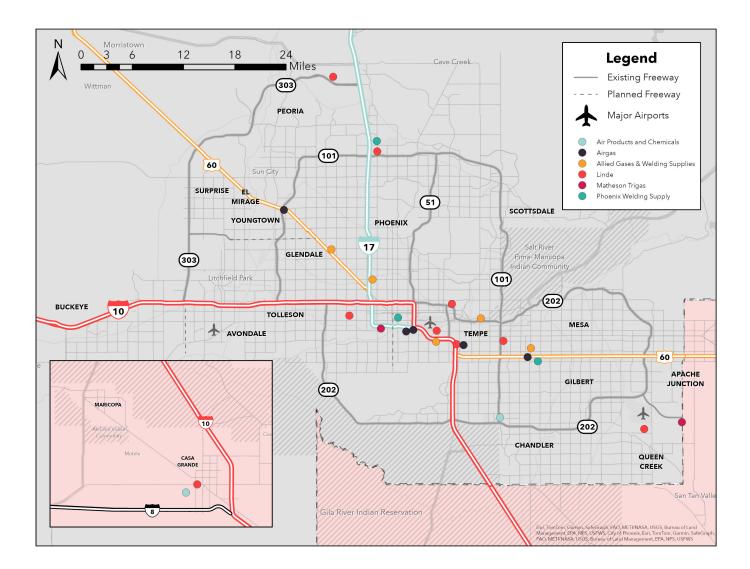
Greater Phoenix Regional Highway Map

The map below displays existing and planned highway infrastructure in Greater Phoenix. The region's highways are well-planned and provide easy access to all the major submarkets in the region, including close proximity to Interstates 8 and 40 that provide seamless access to California markets.



Industrial Gas Manufacturers

Greater Phoenix has a network of industrial gas manufacturers in the region available to meet the needs of manufacturing operations. The map below shows the location of the companies producing industrial gases.



Greater Phoenix Market Access

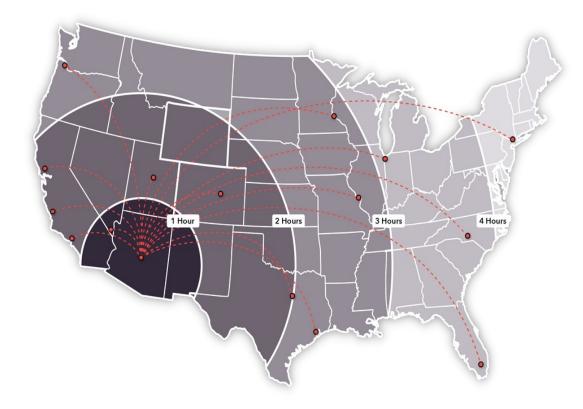
Greater Phoenix has access to more than 35 million people in seven states within a oneday truck haul, including major seaports in Los Angeles and Long Beach. Firms have access to nearly the entire Southwest within a two-day haul. Hauling is made easy thanks to easy access to Interstates 8, 10, 17 and 40.



Greater Phoenix Airport Access

Skybridge at Phoenix-Mesa Gateway Airport:

- The air logistics hub to ship high-value goods directly to consumers through a bonded facility incorporating Mexican and U.S. customs will be the first of its kind in the interior U.S. for air freight activities.
- Ideally situated within the Southwestern U.S. to not only meet growing demands of manufacturing activities in the Phoenix metropolitan area but also to serve as a direct carrier to and from consumers in Mexico and across the nation.
- The proximity to Arizona State University's Polytechnic Campus creates opportunities for partnerships to attract and retain workforce talent within the airport.



Phoenix Sky Harbor International Airport (PHX):

- 48.6 million passengers in 2023
- 454,665 landings and takeoffs in 2023
- Over 1,000 tons of cargo handled daily

Cargo Community at PHX:

- ABX
- American Airlines
- DHL
- FedEx
- South Air Cargo
- Southwest Airlines
- Swissport Cargo
- UPS
- West Air Cargo
- Worldwide Flight Services (WFS)

Regional Rail Access

Greater Phoenix is served by two major railroads, Union Pacific and BNSF. The map below displays all major rail lines throughout the Southwest.

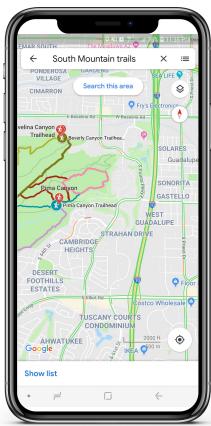




Quality of Life

Parks & Recreation

Greater Phoenix is home to hundreds of parks and hundreds of miles of hiking, biking and walking trails. The Greater Phoenix region is home to the largest municipal park in the United States, South Mountain Park. South Mountain Park covers more than 16,000 acres. Other large parks in the region include the White Tank Mountain Regional Park, Camelback Mountain, Piestewa Peak and the Superstition Mountains. Notable walking trails in the region include the canal system, Tempe Town Lake, the Greenbelt and Papago Park.



Quality of Life

Cost of Living

Greater Phoenix is more affordable for companies and the people that make them successful. Across all major buckets of expenses, Greater Phoenix is less expensive than many peer markets.

| Metro | Cost of Living Index | Local Index |
|----------------|----------------------|-------------|
| Phoenix | 108.0 | 100.0% |
| Dallas | 99.0 | 91.7% |
| Las Vegas | 109.2 | 101.1% |
| Reno | 116.1 | 107.5% |
| Riverside | 128.6 | 119.1% |
| Salt Lake City | 104.7 | 96.9% |

Source: Lightcast 2024 Q1 Cost of Living Dataset

Housing

Greater Phoenix's median home value remains affordable relative to those of Reno, Riverside and Salt Lake City.

| Metro | Median Home Value | Index | Median Rent | Index |
|----------------|----------------------|--------|-------------|--------|
| Phoenix | \$461,352 | 100.0% | \$1,895 | 100.0% |
| Dallas | \$381,104 | 82.6% | \$1,811 | 95.6% |
| Las Vegas | \$427,509 | 92.7% | \$1,828 | 96.5% |
| Reno | \$547,757 | 118.7% | \$1,931 | 101.9% |
| Riverside | \$584,710 | 126.7% | \$2,555 | 134.9% |
| Salt Lake City | \$549,373 | 119.1% | \$1,719 | 90.7% |

Source: Source: Zillow Home Value Index, May 2024; Zillow Rental Index, May 2024

Rankings & Recognition

#1

Maricopa County's population size grew the most amount among all U.S. counties, according to the 2022 Census

#1

Arizona State University has been named America's Most Innovative School nine years in a row by U.S. News & World Report

#1

Sky Harbor International Airport ranked 1st in the Wall Street Journal's "Best Large U.S. Airports 2023"



In 2022, Arizona ranked as the second-best state for wellness by Life Extension



Greater Phoenix was ranked the fourth-strongest economy in 2022 by the Milken Institute

#5

In 2024, Arizona and Greater Phoenix ranked fifth for sustainability by Site Selection Magazine

Top 20 In 2024, Chandler, Gilbert and Scottsdale were listed in the top 20 for best cities to raise a family

Top Tier

APS and SRP rank as top business service providers by J.D. Power and Associates for satisfaction

Greater Phoenix Greater ICCEEDED OEL



602.256.7700 /// gpeg.org 👩 🖸 🛅 🔮