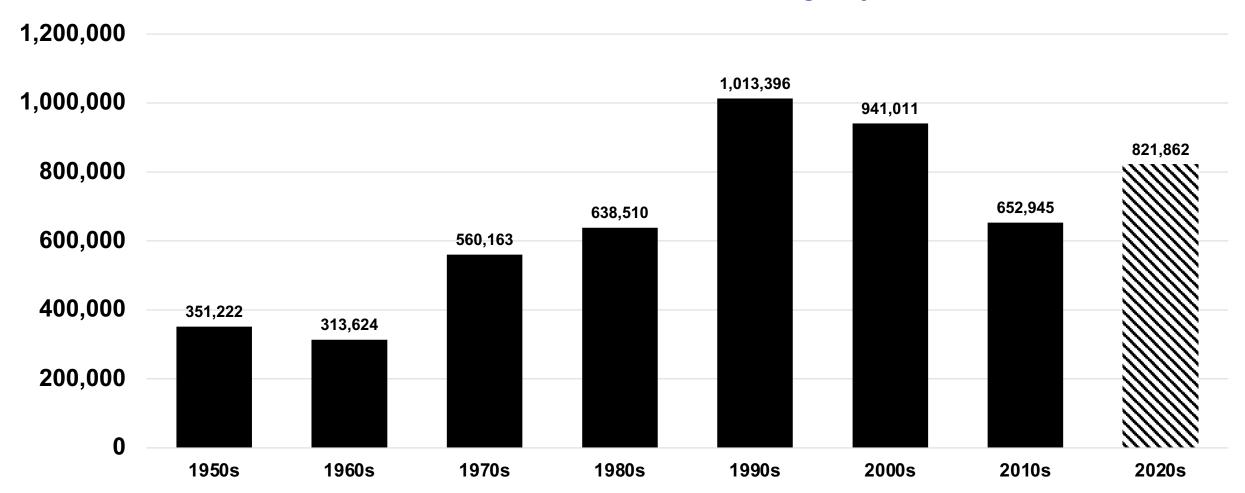
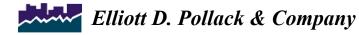




Greater Phoenix Population Growth by Decade

Source: U.S. Census; UofA Forecasting Project

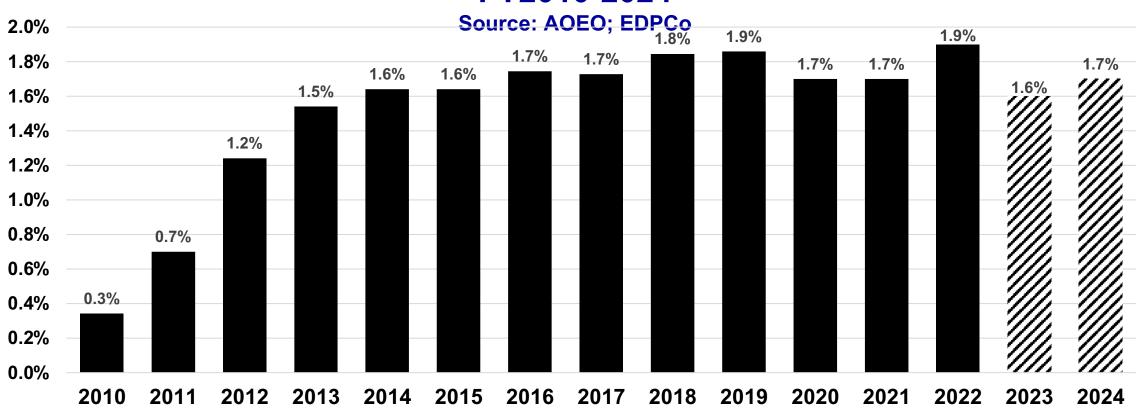






Greater Phoenix Population

FY2010-2024



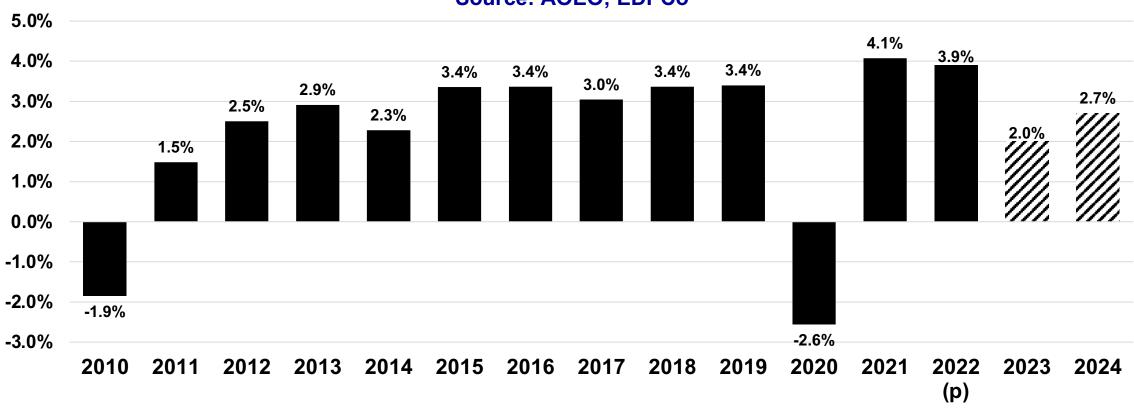
Projected growth approximates 90,000 new residents each year



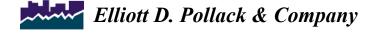


Greater Phoenix Employment





Greater Phoenix has a long history of strong employment growth

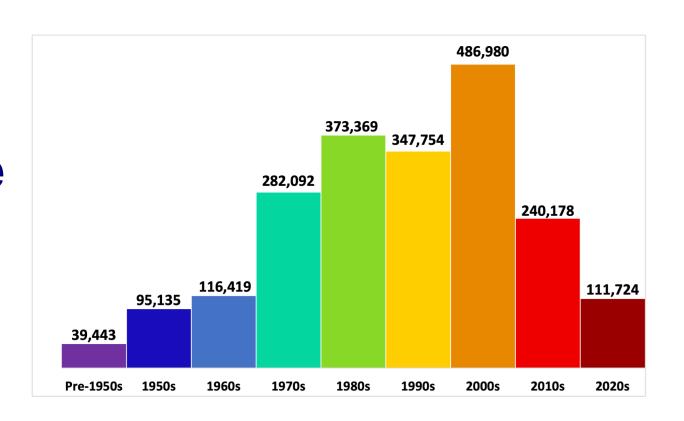




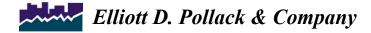
The 2000's - A decade of building excess inventory.

The 2010's - A decade of absorbing that inventory.

We are now short of inventory.



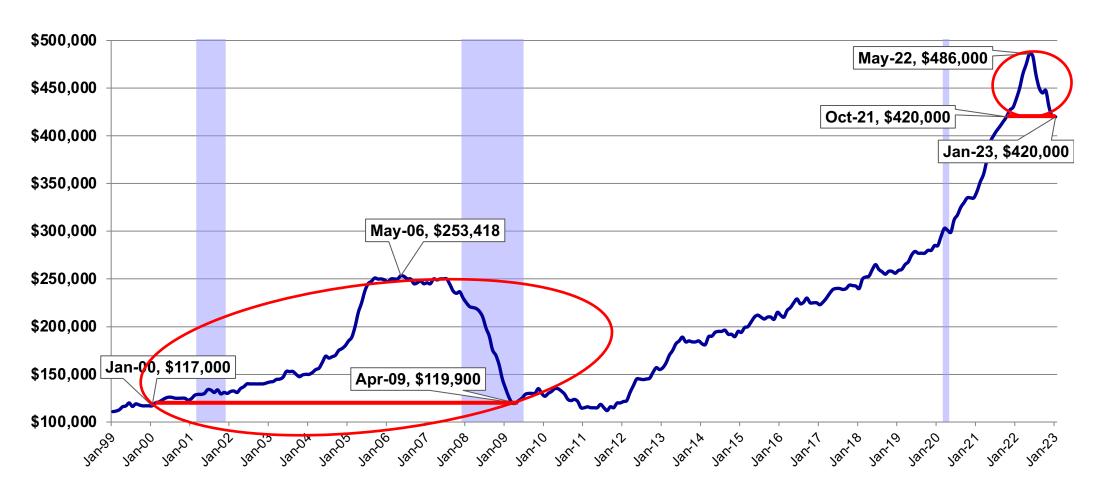
Source: Maricopa Association of Governments. Data reflects Greater Phoenix.





Existing Median Sales Price

Source: Information Market

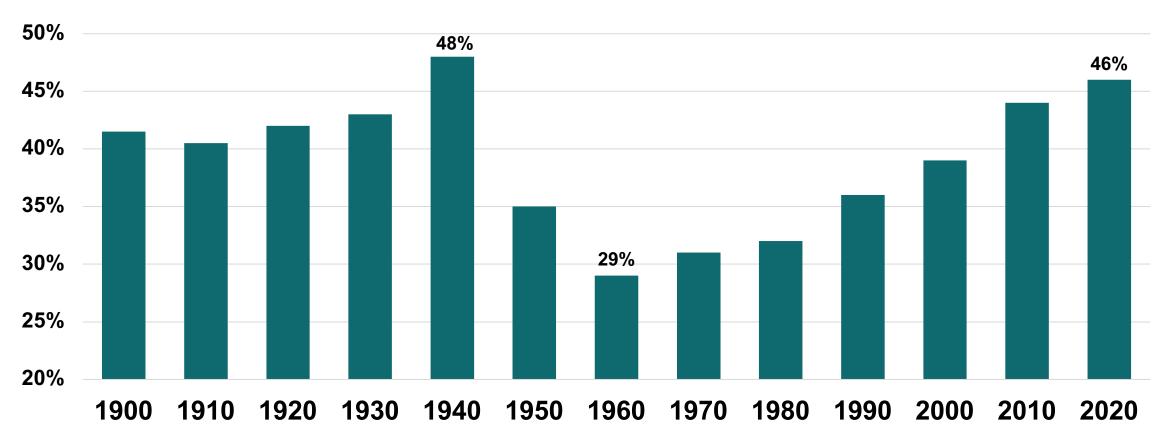






Adults Living with a Parent 18-to-29-year-olds

Source: U.S. Census Bureau









What is the Cause?

- Supply chains
- Labor shortages
- Interest rates
- HOUSING POLICY
- Time to build / Nature of Construction



30-year Mortgage

1972 - 2023*

Source: Freddie









Interest Rates

- Today 6.69%
- Low 2.65 %(January, 2020)
- High 7.1% (November, 2022)
- Today, we are 2.52x higher than the low
- At the height, we were 2.67x the low

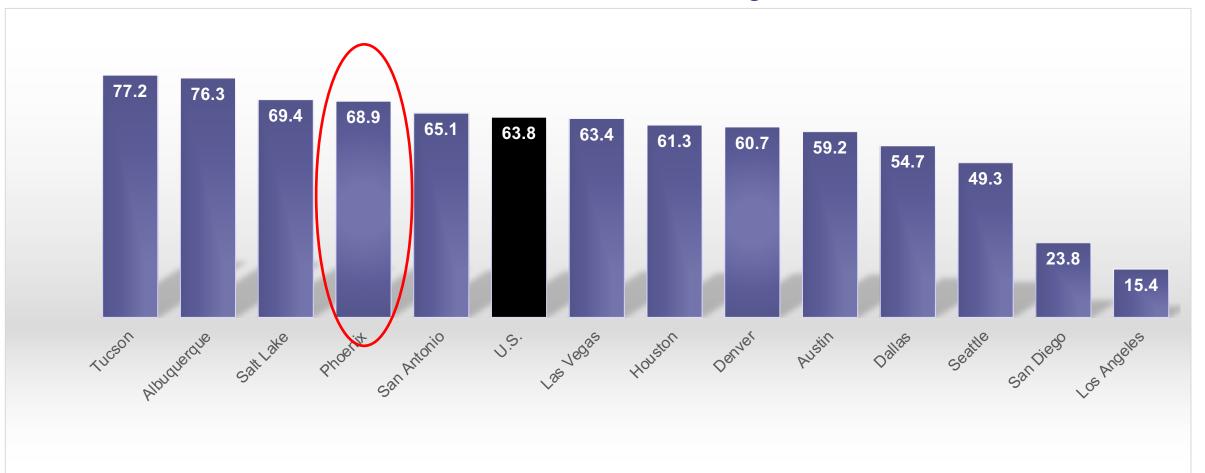


Why Do We Care?



Housing Opportunity Index 2015 Q4

Source: NAHB/Wells Fargo









Housing Opportunity Index 2019 Q4

Source: NAHB/Wells Fargo



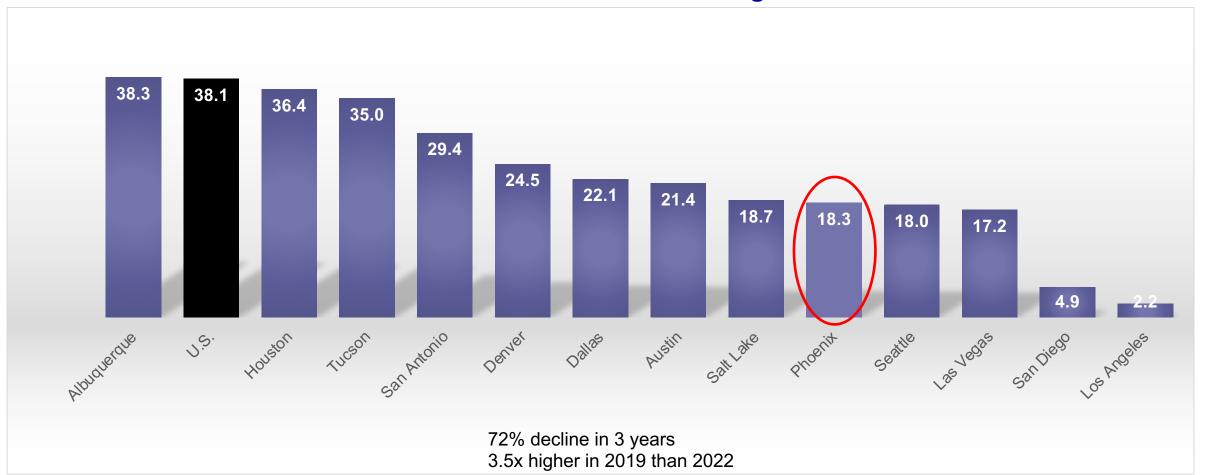






Housing Opportunity Index 2022 Q4

Source: NAHB/Wells Fargo







Affordability by Occupation

	Median Home Price	Annual Salary I Needed	2- Bedroom Rent	Annual Salary I Needed	1- Bedroom Rent	Annual Salary Needed	Nurse	Police Officer	Firefighter	High School Teacher	Chef	Elemen/ Middle School Teacher		Wait Staff	Retai Worker
2020 (August	:)					\$80,609	\$73,786	\$54,900	\$54,186	\$53,071	\$47,799	\$47,034	\$34,940	\$26,843
Avondale	\$285,000	\$53,800	\$1,340	\$53,600	\$1,152	\$46,100									
Chandler	\$381,500	\$72,100	\$1,420	\$56,800	\$1,251	\$50,000									
Gilbert	\$395,000	\$74,600	\$1,395	\$55,800	\$1,201	\$48,000									
Glendale	\$297,000	\$56,100	\$1,144	\$45,800	\$905	\$36,200									
Goodyear	\$324,780	\$61,400	\$1,477	\$59,100	\$1,164	\$46,600									
Mesa	\$315,000	\$59,500	\$1,200	\$48,000	\$1,046	\$41,800									
Peoria	\$346,613	\$65,500	\$1,302	\$52,100	\$1,250	\$50,000									
Phoenix	\$310,000	\$58,600	\$1,135	\$45,400	\$929	\$37,200									
Scottsdale	\$570,901	\$107,900	\$1,465	\$58,600	\$1,235	\$49,400									
Surprise	\$303,495	\$57,300	\$1,428	\$57,100	\$1,219	\$48,800									
Tempe	\$337,000	\$63,700	\$1,313	\$52,500	\$1,099	\$44,000									
2021 (August)						\$83,269	\$76,221	\$56,712	\$55,974	\$55,141	\$49,376	\$48,680	\$36,303	\$27,836	
Avondale	\$378,500	\$70,300	\$1,724	\$69,000	\$1,482	\$59,300									
Chandler	\$465,000	\$91,100	\$1,810	\$72,400	\$1,594	\$63,800									
Gilbert	\$515,000	\$100,900	\$1,765	\$70,600	\$1,519	\$60,800									
Glendale	\$385,000	\$75,500	\$1,430	\$57,200	\$1,132	\$45,300									
Goodyear	\$438,600	\$86,000	\$1,787	\$71,500	\$1,409	\$56,400									
Mesa	\$405,000	\$79,400	\$1,496	\$59,800	\$1,304	\$52,200									
Peoria	\$440,000	\$86,200	\$1,638	\$65,500	\$1,573	\$62,900									
Phoenix	\$380,000	\$74,500	\$1,394	\$55,800	\$1,142	\$45,700									
Scottsdale	\$717,500	\$140,600	\$1,870	\$74,800	\$1,576	\$63,000									
Surprise	\$410,000	\$80,400	\$1,764	\$70,600	\$1,506	\$60,200									
Tempe	\$431,500	\$84,600	\$1,665	\$66,600	\$1,393	\$55,700									

Buy
Rent 2BD
Rent 1BD
Neither

Source: Cromford Report; AZ Office of Economic Opportunity; Bureau of Labor Statistics; ApartmentList.com; Elliott D. Pollack & Company





Affordability by Occupation

	Madian	0	2	0	4	0				11:-1-		Elemen/			
	Median	Annual	2-	Annual	1-	Annual		Dalias		High		Middle		147-14	Datail
	Home	Needed	Bedroom	Needed	Bedroom	Salary Needed	Nivea	Police	Civafia beau	School	Chef	Teacher	Construction	Wait Staff	Retail
	Price	_	Rent	Needed	Rent	Needed	Nurse	Officer	Firefighter	Teacher	Crier	reacrier	Worker	Stan	Worker
2021 (August)						\$78,670	\$77,150	\$47,690	\$60,040	\$60,980	\$48,650	\$47,890	\$37,060	\$29,690	
Avondale	\$378,500	\$70,300	\$1,724	\$69,000	\$1,482	\$59,300									
Chandler	\$465,000	\$91,100	\$1,810	\$72,400	\$1,594	\$63,800									
Gilbert	\$515,000	\$100,900	\$1,765	\$70,600	\$1,519	\$60,800									
Glendale	\$385,000	\$75,500	\$1,430	\$57,200	\$1,132	\$45,300									
Goodyear	\$438,600	\$86,000	\$1,787	\$71,500	\$1,409	\$56,400									
Mesa	\$405,000	\$79,400	\$1,496	\$59,800	\$1,304	\$52,200									
Peoria	\$440,000	\$86,200	\$1,638	\$65,500	\$1,573	\$62,900									
Phoenix	\$380,000	\$74,500	\$1,394	\$55,800	\$1,142	\$45,700									
Scottsdale	\$717,500	\$140,600	\$1,870	\$74,800	\$1,576	\$63,000									
Surprise	\$410,000	\$80,400	\$1,764	\$70,600	\$1,506	\$60,200									
Tempe	\$431,500	\$84,600	\$1,665	\$66,600	\$1,393	\$55,700									
2022 (December)							\$81.817	\$79,927	\$49.407	\$62,442	\$64,090	\$50,596	\$49.901	\$38,950	\$31,175
Avondale	\$410,000	\$106,300	\$1,606	\$64,200	\$1,393	\$55,700	+,	¥ - = /= = -	¥ /	1		¥ = 2/22			100
Chandler	\$485,000	\$125,700	\$1,684	\$67,400	\$1,465	\$58,600									
Gilbert	\$525,000	\$136,100	\$1,679	\$67,200	\$1,409	\$56,400									
Glendale	\$401,000	\$104,000	\$1,395	\$55,800	\$1,134	\$45,400									
Goodyear	\$476,400	\$123,500	\$1,780	\$71,200	\$1,432	\$57,300									
Mesa	\$393,000	\$101,900	\$1,435	\$57,400	\$1,244	\$49,800									
Peoria	\$440,000	\$114,100	\$1,524	\$61,000	\$1,452	\$58,100									
Phoenix	\$393,100	\$101,900	\$1,449	\$58,000	\$1,198	\$47,900									
Scottsdale	\$750,000	\$194,400	\$1,825	\$73,000	\$1,530	\$61,200									
Surprise	\$410,000	\$106,300	\$1,731	\$69,200	\$1,385	\$55,400									
Tempe	\$430,000	\$111,500	\$1,572	\$62,900	\$1,319	\$52,800									



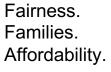
Source: Cromford Report; AZ Office of Economic Opportunity; Bureau of Labor Statistics; ApartmentList.com; Elliott D. Pollack & Company





Obligation to our Citizens







12th Ave & Madison

Failure to act invites consequences



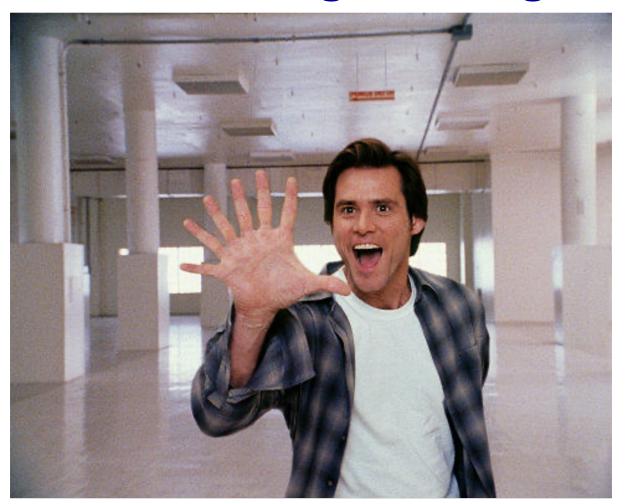
Relationship to Labor Availability & Economic Development







Top 7 Things That Can Be Done to End The Housing Shortage

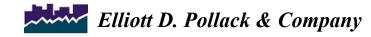






Top 7 Things That Can Be Done to End The Housing Shortage

- 1. Build more housing units
- 2. Build more housing units
- 3. Build more housing units
- 4. Build more housing units
- 5. Build more housing units
- 6. Build more housing units
- 7. Build more housing units

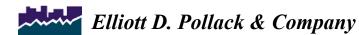




What Do We Ned?

- Entry Level Ownership Housing
- Move-Up Ownership Housing
- Market Rate Rental Housing
- Workforce Level Rental Housing
- Low-Income Rental Housing
- Extremely Low-Income Rental Housing

The current shortage is in all housing types, at all price levels, and all income levels.

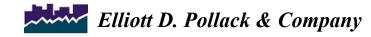






Rent Control

- Rent control will make things worse
- Rent control impacts the economics of construction in a way that disincentivizes delivery of new supply
- In doing so, it exacerbates the very problem it was intended to solve







Why This Issue?

- Critical Juncture
- Addressable issues w/in our control (policy & education)
- Housing has not received the attention it deserves
- Housing needs the help
- Public sentiment / perception of water vs. housing





WHY NOW?

- Shortage will be greatest in 2025 2027
- We have an opportunity to get in front of this
- Lagging deliveries (2-5 years)





Recommendation

- For the topic of the year for 2025, you should combine the housing shortage and the labor shortage, because they are not actually separate issues, but they are the same issue at different stages of its life cycle.
- You can't talk about housing without talking about labor availability, and you can't talk about jobs without talking about housing.



Thank You!