



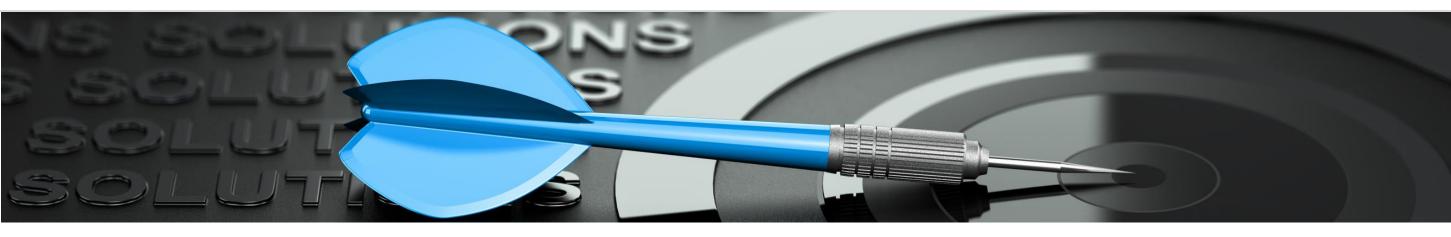
#### Power & Communications Industry Update

March 2022

fmicorp.com

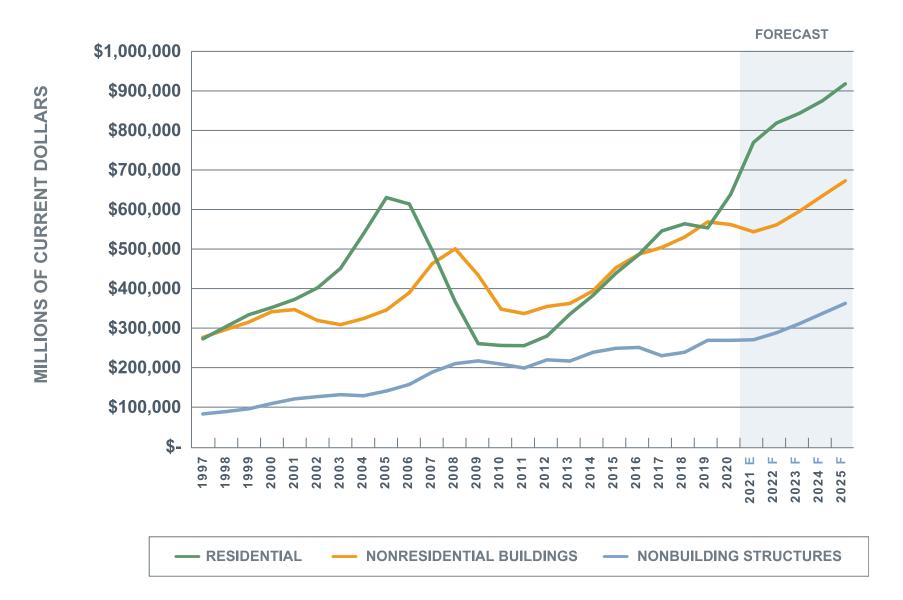


### Four Takeaways

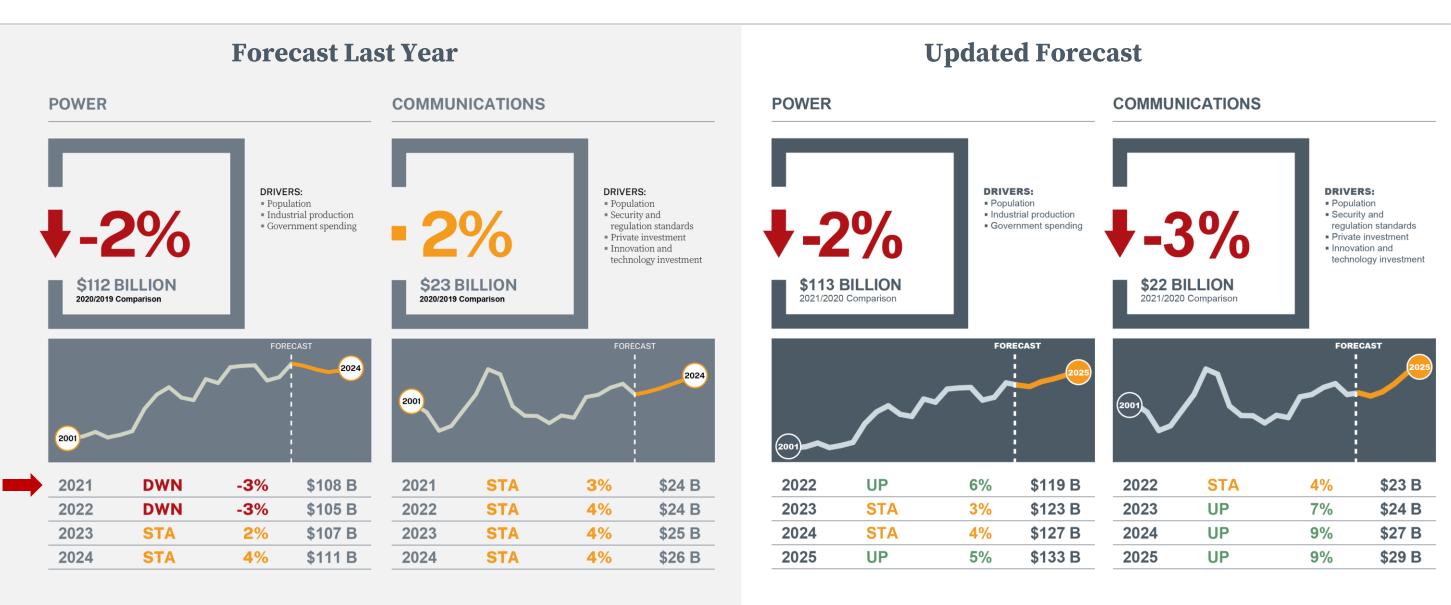


- PCCA markets continue to be among the BEST of the built environment
- We are NOT returning to the same pre-Covid economy
- Our near-term outlook is a paradox: "LESS FOR MORE"
- Our long-term outlook is pretty AWESOME, but requires SOLUTIONS

#### A Macro View of U.S. Construction Spending Total Construction Spending Put in Place Estimated for the U.S.



### Well.... How did we do?



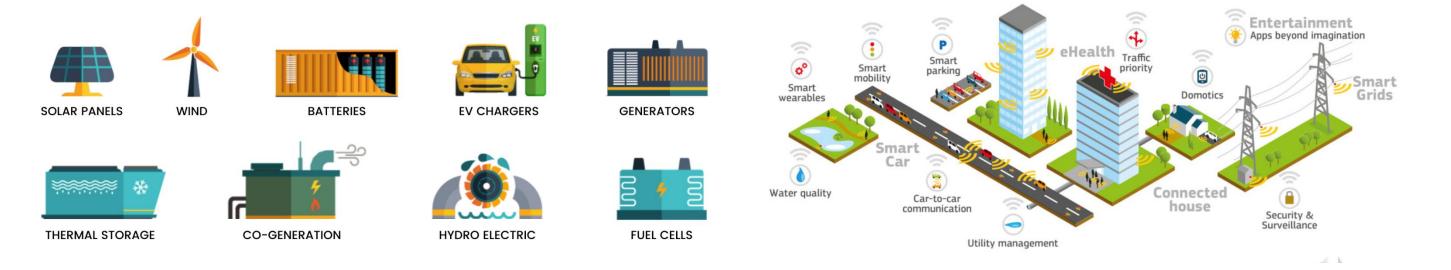
# **Electrification of Everything + Fiber to Everywhere**

#### **20+ Year Energy Themes**

- Decentralization
- Decarbonization
- Digitization

#### **10+ Year Communication Themes**

- Digital DEI
- Fiber to the Premise
- 5G/C-Band Deployment



## **The Current Market is Frustrating!**

Water, water, everywhere, nor any drop to drink

Coleridge

- Not one more crew?!
- "How much did you say?"
- Pro [union] labor administration
- IIJA means more gas on the fire

# **Recurring Conversations**

- Largest project backlog in memory, but margins are under pressure
- We need to find more people
- Strong demand, but record lead times and frustrated customers
- Why are our customers so slow ... on everything?

- Equipment and material prices are rising faster than ever
- How are we supposed to price this?
- We have a great culture, but it's hard to keep our best people
- Which way will political winds blow this Fall or the next election?

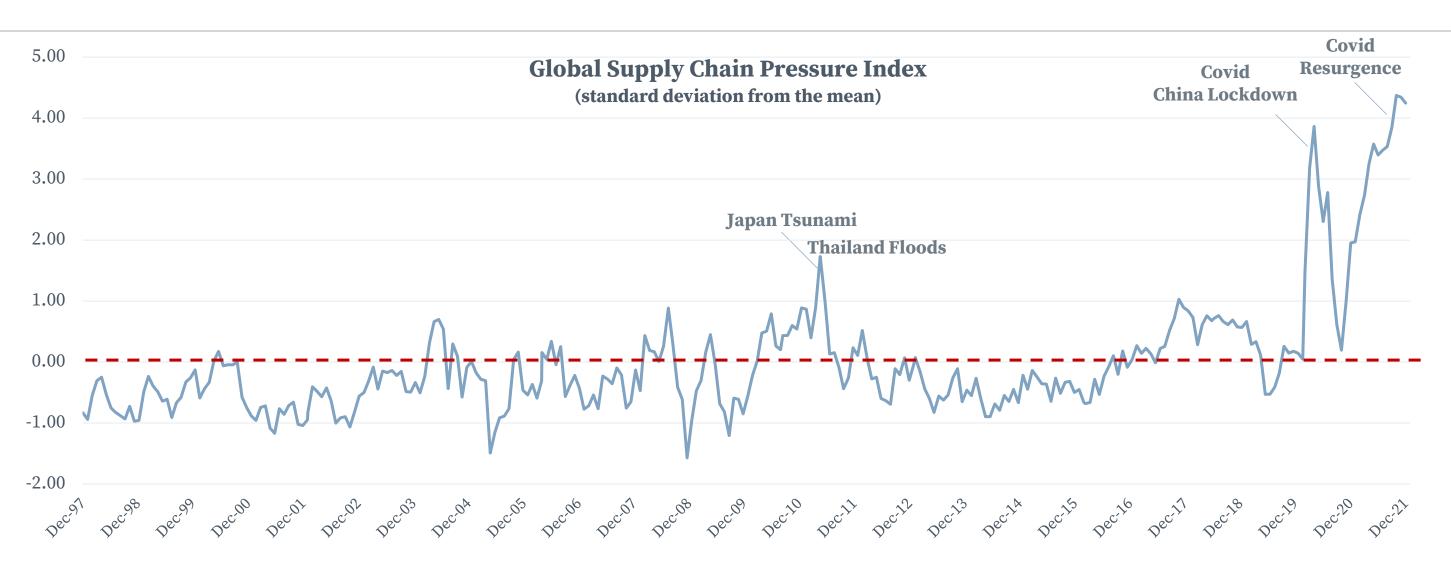
#### Headwinds Facing PCCA Associate and Contractor Members



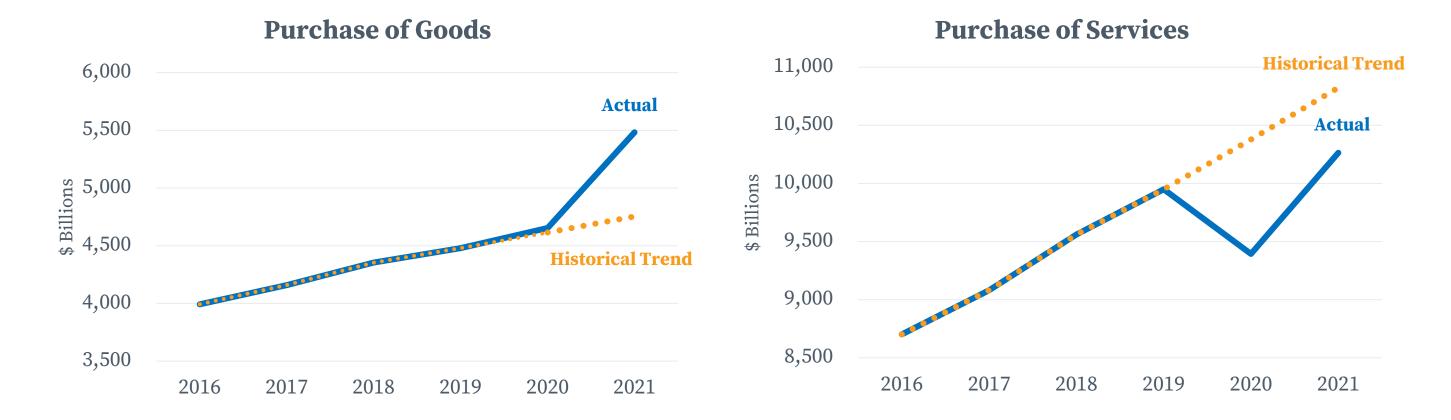


# Supply

## Supply Chains are Under Record Stress



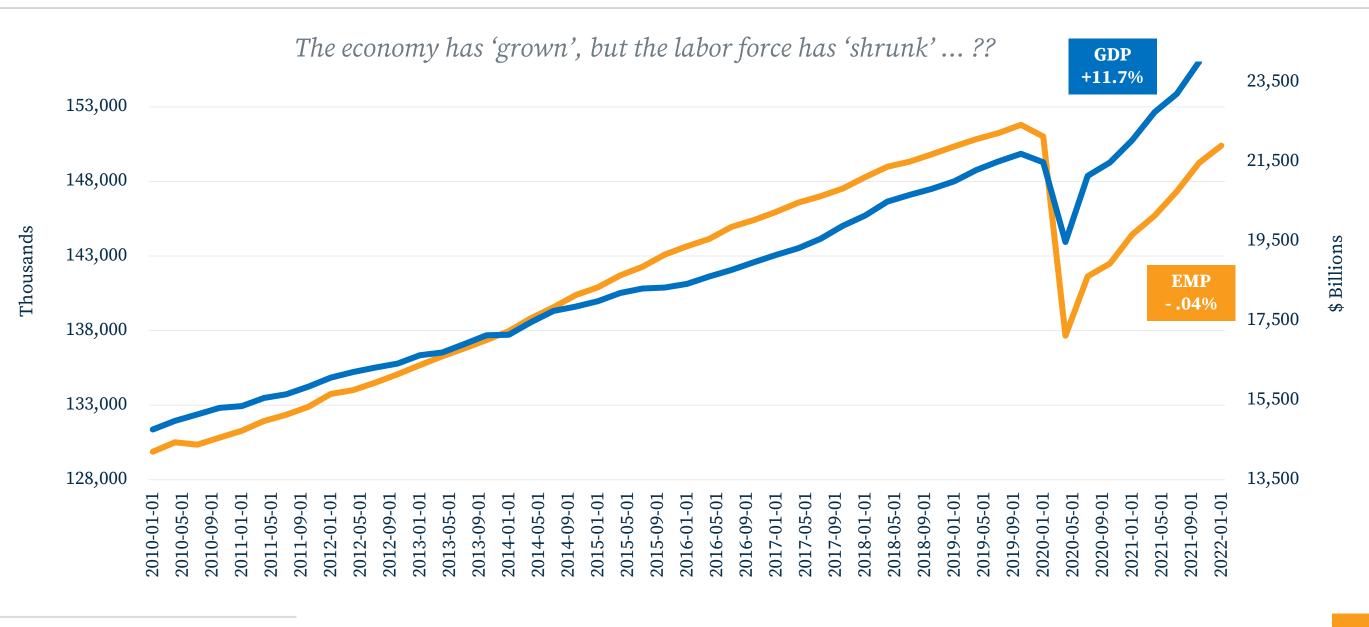
## **Dramatic Shift in Personal Consumption Expenditures**



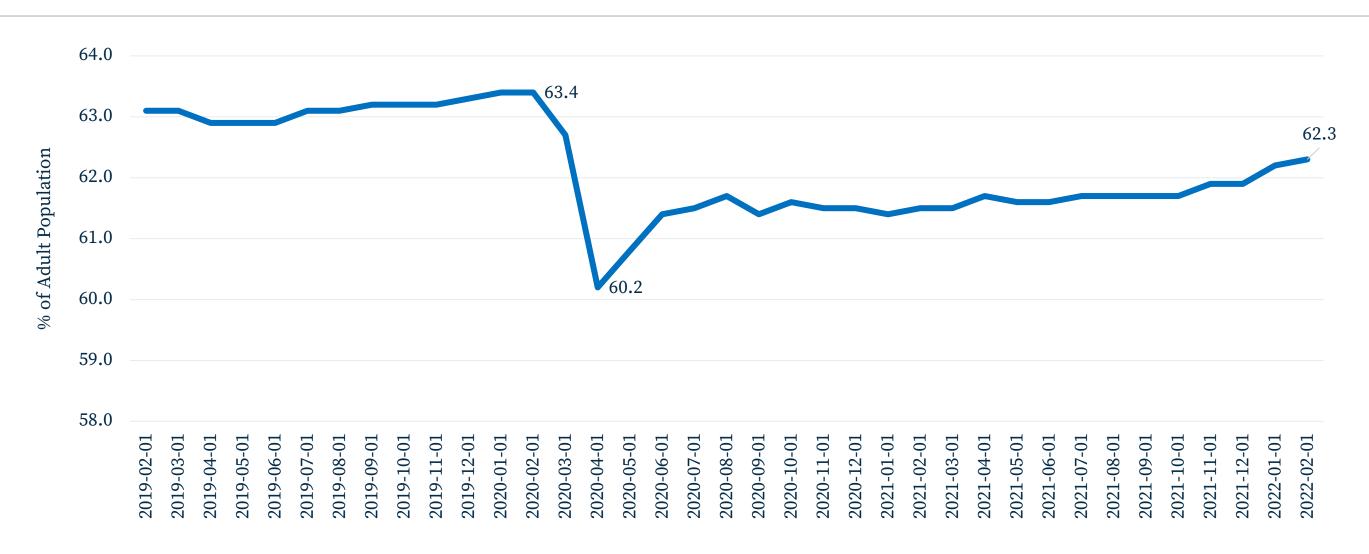


## Workforce

#### GDP vs. Labor Growth (quarterly average)



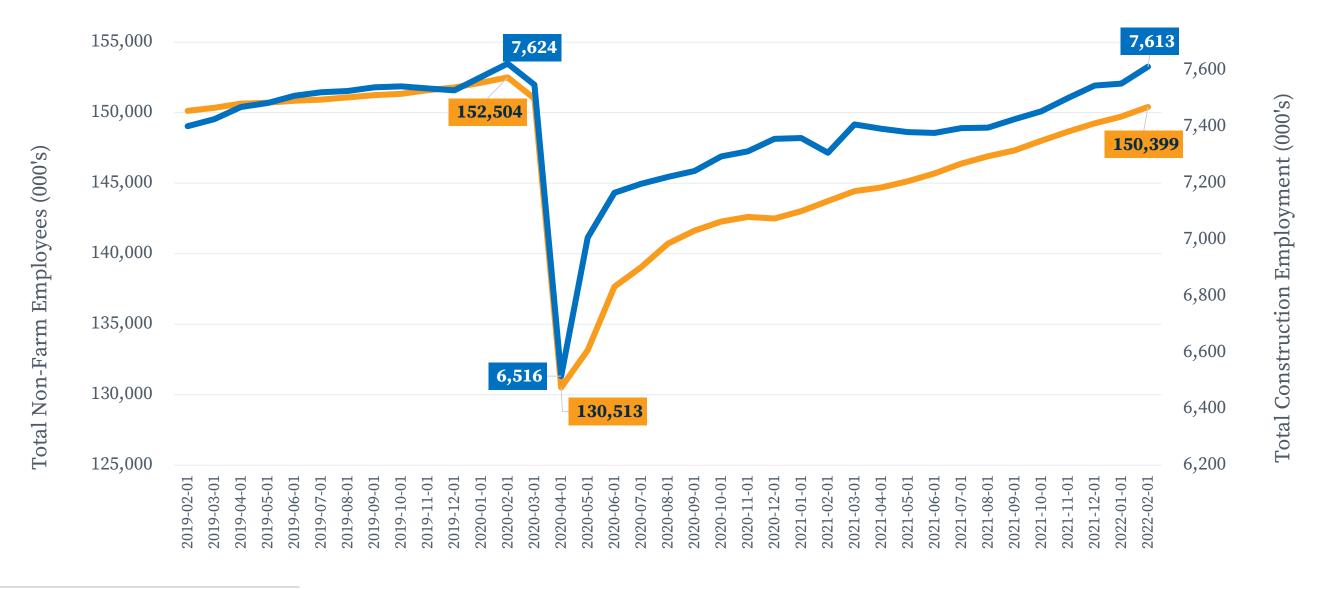
### Labor Force Participation Rate (%)



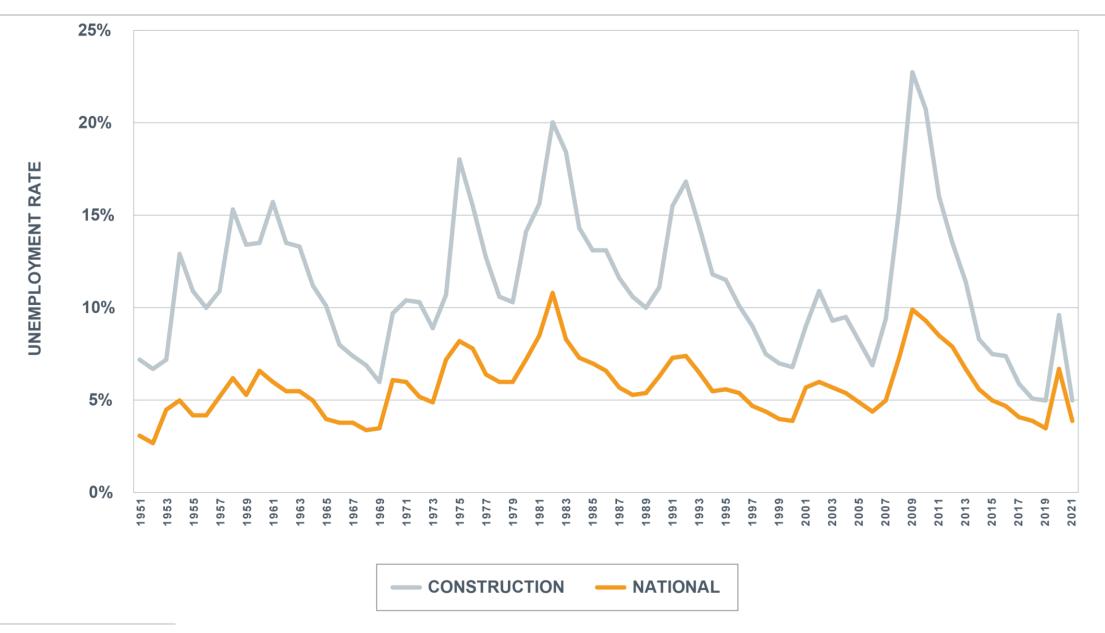
Workers who left and have not returned to the labor force are not prime for our industries

## **Total Non-Farm Employment vs. Construction Employment**

the U.S. Labor Force is still down 2.1 million two years later

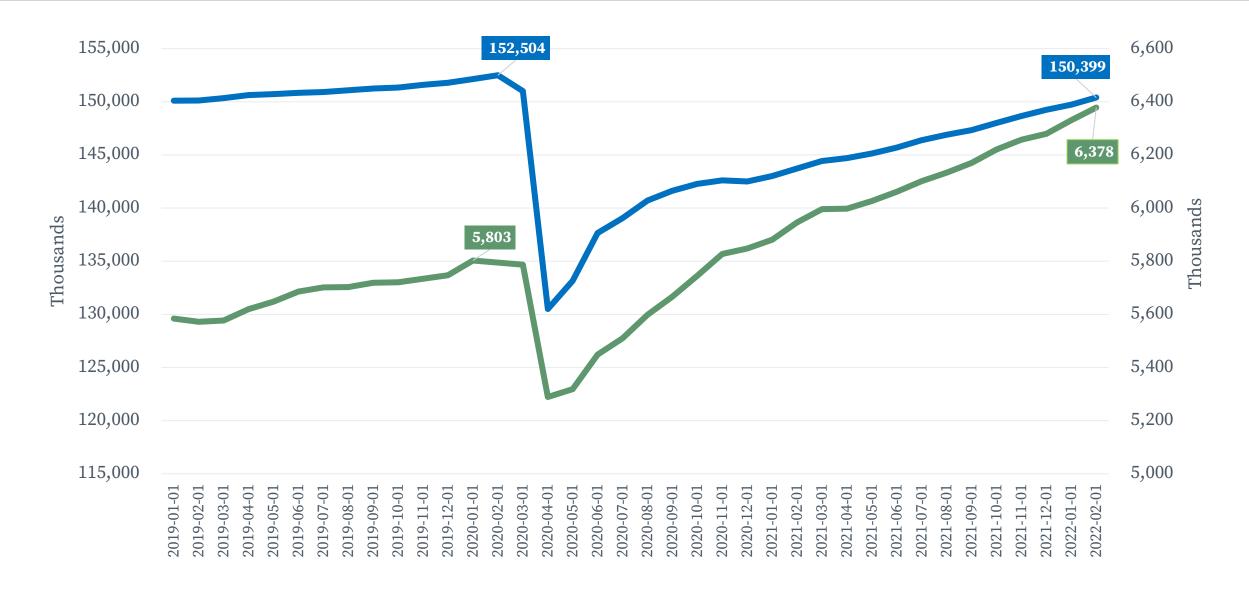


#### **Construction Unemployment is at All Time Low Construction Unemployment vs. National Unemployment**

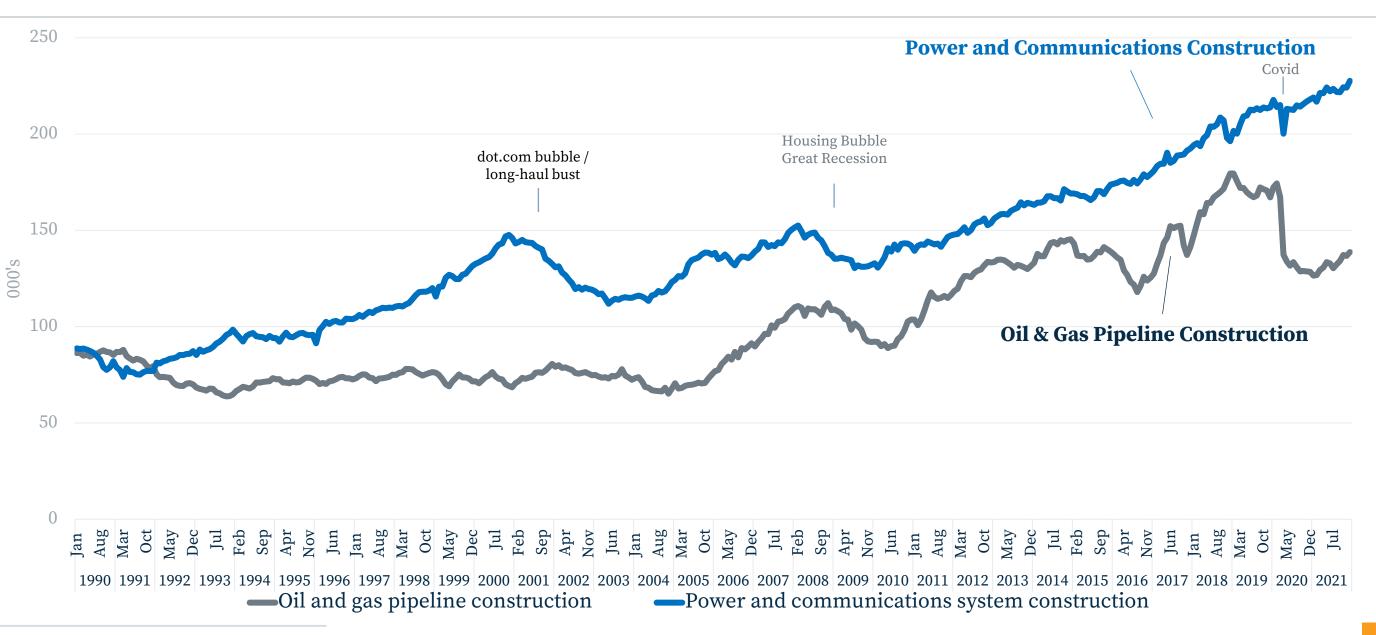


### **Transportation & Warehousing Gain**

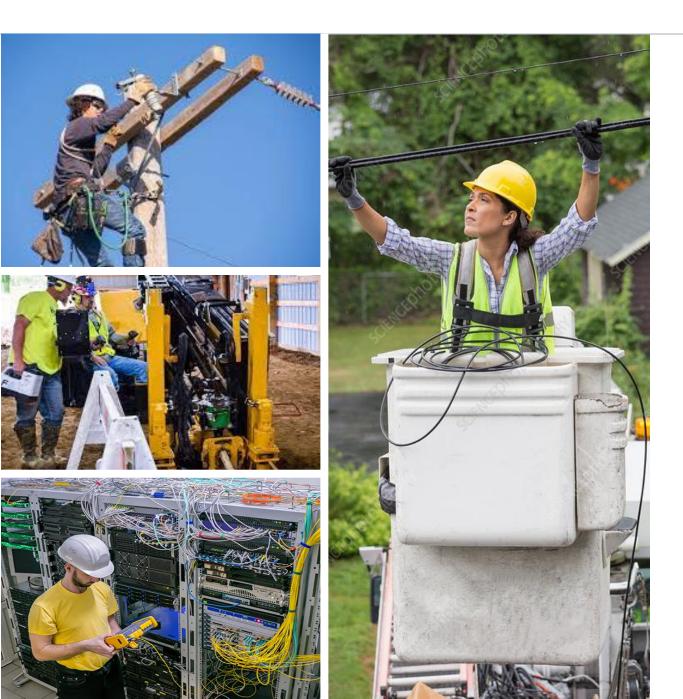
575,000 more people work in Transportation & Warehousing than pre-Covid



## **Power & Communications Construction Employment**



# How Do We Solve This?



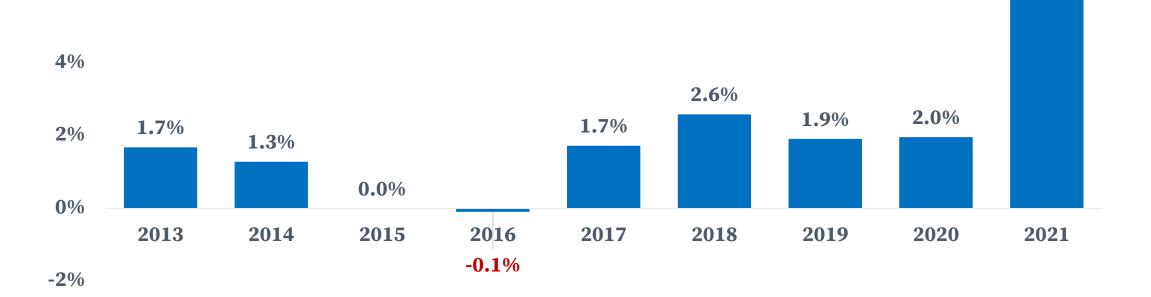
- Workforce Development
- Common Sense Immigration Reform
- Universal Pre-K / Extended Hours
- Diversity, Equity and Inclusion
- Organized Labor (Administration Priority)
- Automation and Robotics
- Offsite / Prefab
- The Metaverse? (not really)



## Inflation

## Producer Price Index: Annual % Change (Jan to Jan)





SOURCE: BUREAU OF LABOR STATISTICS

6%

9.8%

## When Higher Volumes Don't Necessarily Help



# **Rules, Regulations and Funding**



# Who Came to Dinner Last Night in Delaware?

#### **Executive Order:** 14025 - White House Task Force on Labor Organizing:

"The Task Force and its members shall identify executive branch policies, practices, and programs that could be used, consistent with applicable law, to promote my Administration's policy of support for worker power, worker organizing, and collective bargaining."

#### All components of the Biden-Harris administration advocate for organized labor

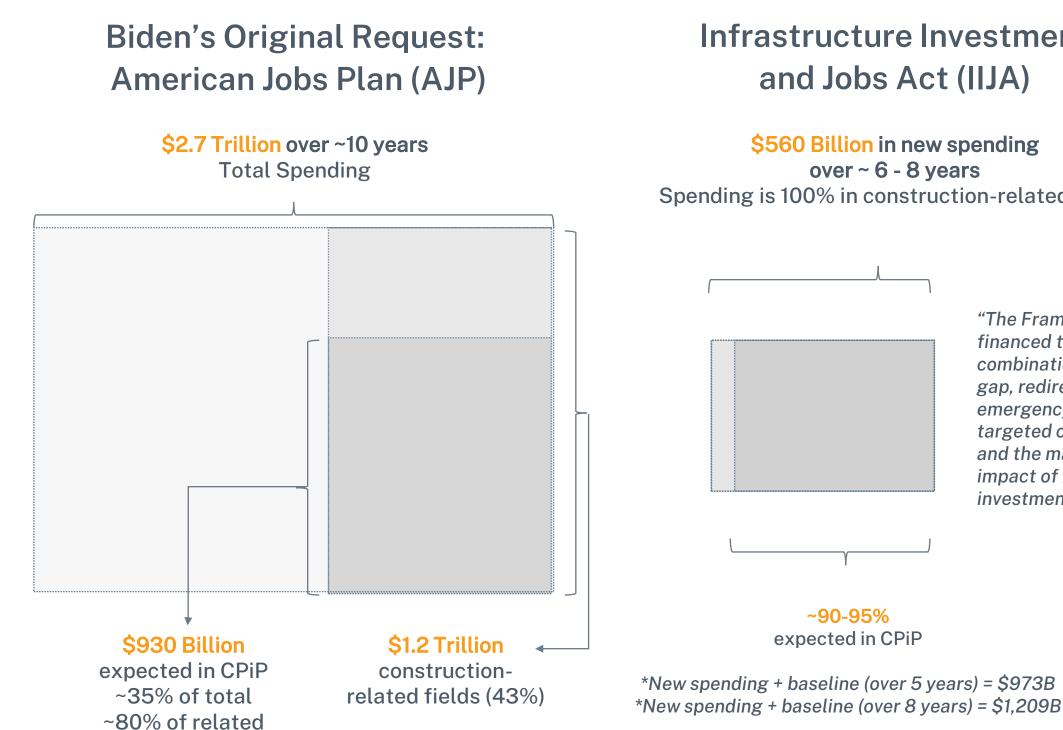
All components of the Biden-Harris administration, including the President, Vice President, and Cabinet, should talk about the importance of the federally-protected right of workers to organize and bargain, and the benefits to workers, employers, and communities of collective bargaining. The Labor Department should assist with these efforts. This could include public service announcements by the President, Vice President, Secretary of Labor, and other high-ranking officials and videos by these officials for labor agency websites.

#### **Use Department of Labor resources to advocate for organizing**

Instruct the Department of Labor to create a resource center for workers, employers, the public, and other government agencies, on the benefits of unionization and labor-management partnerships to workers, employers, and communities, and, subject to available funds and authorities, to explore establishing a new office, center, or initiative to provide greater visibility to this activity. DOL, in consultation with the National Labor Relations Board, the Federal Mediation and Conciliation Service, and other agencies, should develop materials on the rights to organize and collective bargaining...

**Davis-Bacon Regulatory Reform**: Instruct the Department of Labor to continue to prioritize its review of its Davis Bacon and Related Acts regulations and, if appropriate, propose improvements to ensure that contractors pay the required prevailing wage.

**Broadband Grants**: Ensure National Telecommunications and Information Administration Broadband Grants Support Construction Jobs with Strong Labor Standards

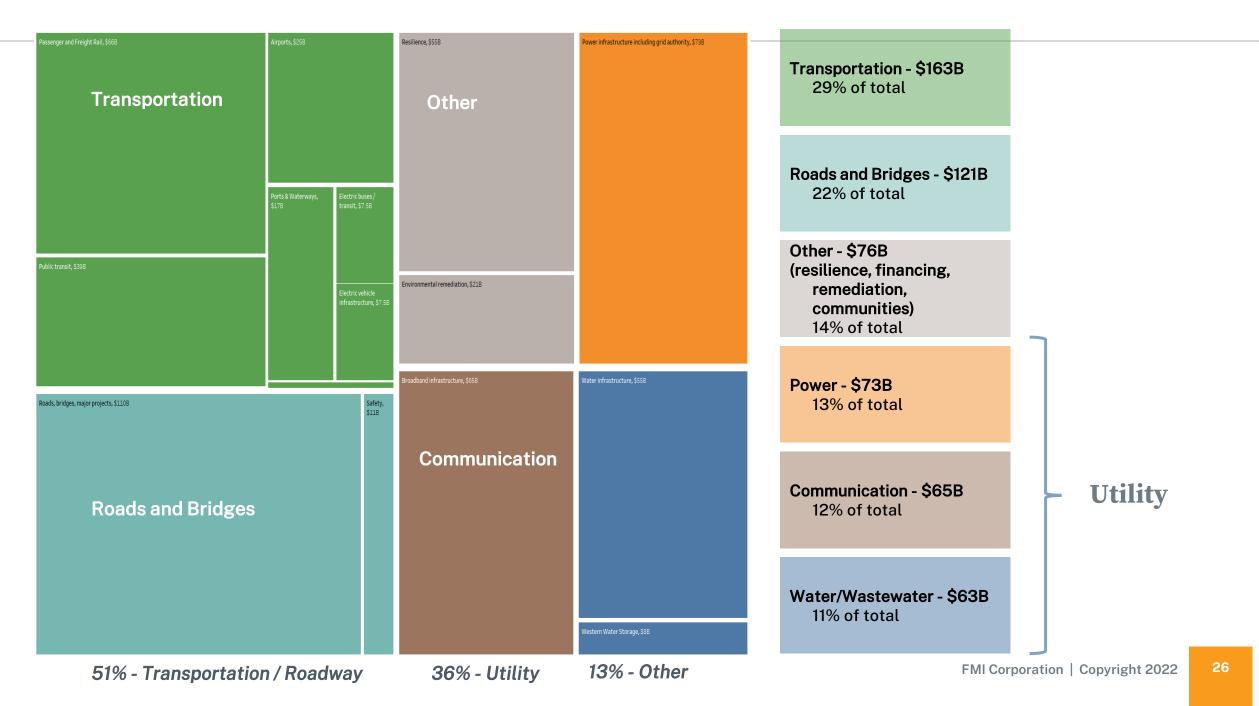


Infrastructure Investment and Jobs Act (IIJA)

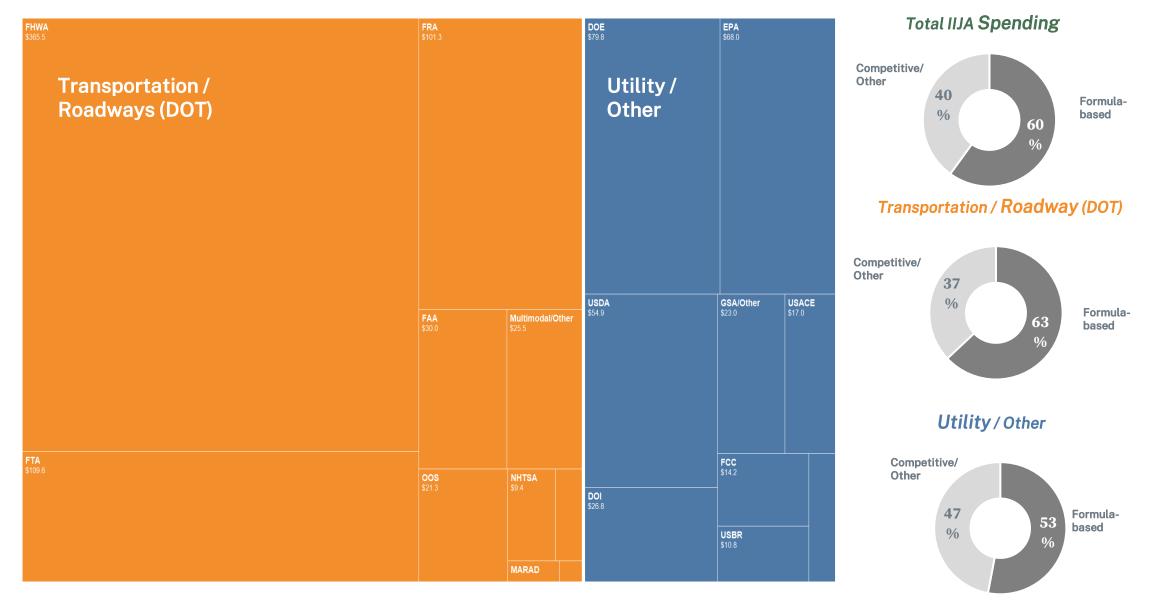
\$560 Billion in new spending over ~ 6 - 8 years Spending is 100% in construction-related fields

> "The Framework [IIJA] is financed through a combination of closing the tax gap, redirecting unspent emergency relief funds, targeted corporate user fees, and the macro-economic impact of infrastructure investment."

## Infrastructure Investment and Jobs Act – \$560B New Spend



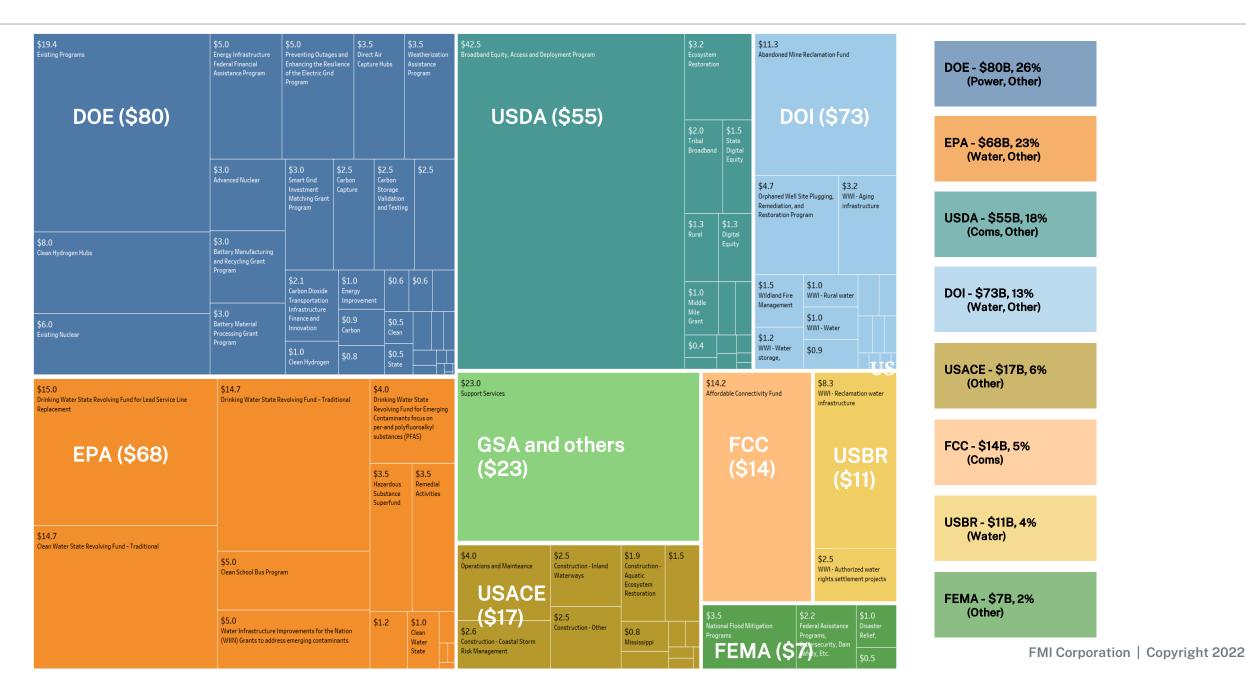
# Total IIJA Spend by Agency, 2022 –2026 (\$B)



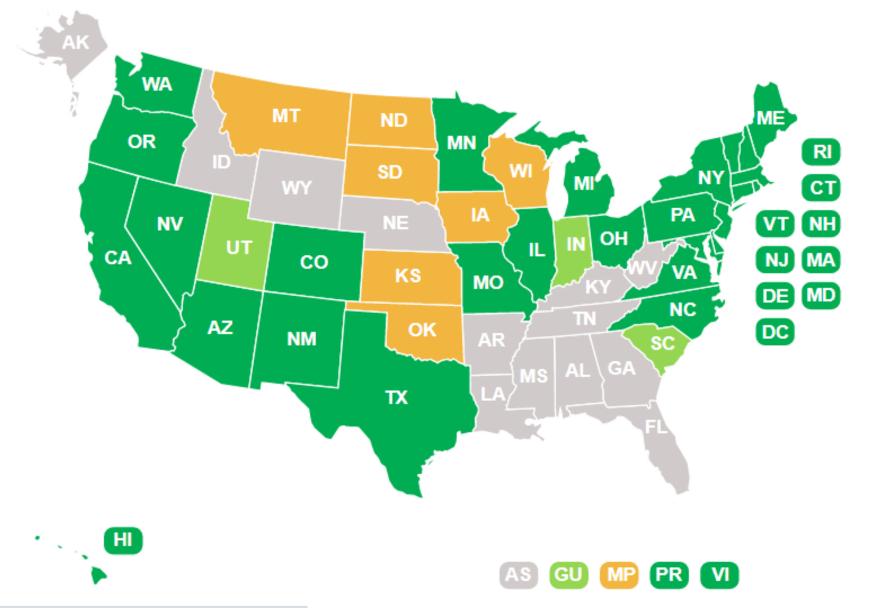
#### **Bipartisan Infrastructure Investment and Jobs Act** Transportation / Roadway: Total 2022 – 2026 (\$B)

\$273.2 Federal-aid Highway Program						\$33.5 Urbanized Area Program	\$23.1 State of Good Repair Program	\$36.6 Northeast Corridor Grants	\$36.0 Federal-State Partnership for Intercity Passenger Rail	FHWA - \$366B, 55% (Roads and Bridges)
FHWA				FTA		FRA		FTA - \$110B, 16%		
						\$23.0 Capital Investment Grants (CIG) Program	\$5.0 Consolidated Rail Infrastructure			FRA - \$101B, 15%
							\$3.2 Buses and Program \$3.2 Buses and Bus Program \$3.0 Railroad Crossing Program	\$28.7 National Network Grants		FAA - \$30B, 4%
						\$5.6 Federal Transit Administration (FTA) Low and No Emission Bus Program	\$2.0 \$1.8 FTA All \$2.0 Station			Multimodal - \$26B, 4%
\$27.5 Bridge Replacement, Rehabilitation, Preservation, Protection, and Construction Program GF	\$15.8 Bridge Investment Program \$14.0 Nationally Significant Freight & Highway Projects	\$5.0 National Electric Vehicle Formula Program GF \$3.0 Tribal Transportation \$2.6 FHWA Administrative \$2.5 Charging & Fueling	Federal I Lands	<b>\$2.0 \$</b> Rural Surface	1.8	\$15.0 Airport Infrastructure Grants FAA \$8.0 Infrastructure for Rebuilding America (INFRA) Grants Multimoot		Safe Streets for All High Noval, Safe	1 m m	OoS- \$21B, 3%
			\$1.4 \$1.3 \$1.3 \$1.1	\$0.7			re with ty and SE) Grants \$5.0		\$2.3 \$2.0	<b>All Others - \$39B, 3%</b> (NHTSA, FMCSA, MARAD, PHMSA)

#### Bipartisan Infrastructure Investment and Jobs Act Utility / Other: Total 2022 – 2026 (\$B)



# States Are Driving Electrification of <u>Everything</u>



A growing number of states and territories are setting Renewable Portfolio Standards (RPS) or targets, and/or Clean Energy Standards with target goals ranging from 15 to 20% by 2025 up to 100% clean energy by 2050

EIA (2021) projects that generation by 2050 will be 42% renewables, 36% natural gas, 11% nuclear, and 11% coal.



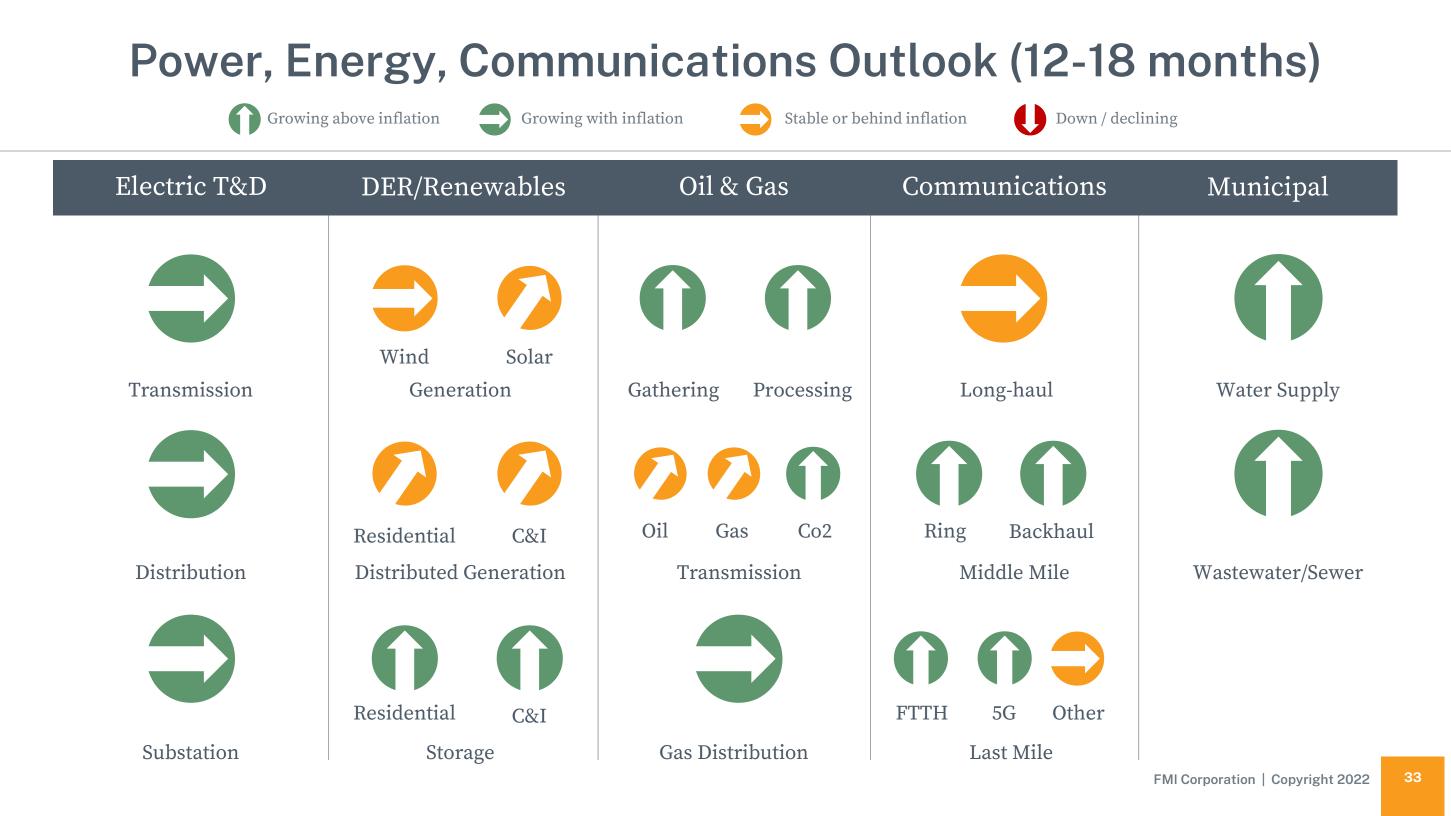




## Uncertainty

#### FMI Forecast Compound Annual Growth: 2021-2025 (current dollars)





# **Great Opportunities ... in Challenging Times**

It was the best of times, it was the worst of times...

-- Charles Dickens

- It took a global pandemic to convince Congress to invest in global broadband
- The Infrastructure Investment and Jobs Act may be the last bi-partisan major legislation for a long time
- The war in Ukraine is likely to force some balanced perspective and regulation on fossil fuels
- The war in Ukraine will extend supply chain and inflationary trends through 2022
- Every segment of the utility infrastructure market is favorable for perhaps the first time ever
- This growth is happening at a time when the labor force is tapped out and demand for talent is at an all time high across the industry

#### ... this is probably true all of the time

## **Thank You PCCA!**



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FMI is a leading consulting and investment banking firm dedicated exclusively to the built environment. We serve as the industry's trusted advisor, providing current market insights, deep industry research and key relationships that deliver tangible results for our clients.

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