PGA *Since 1916* America's Cement Manufacturers™

Fall Cement Outlook Briefing October 10th, 2020 Ed Sullivan, SVP & Chief Economist



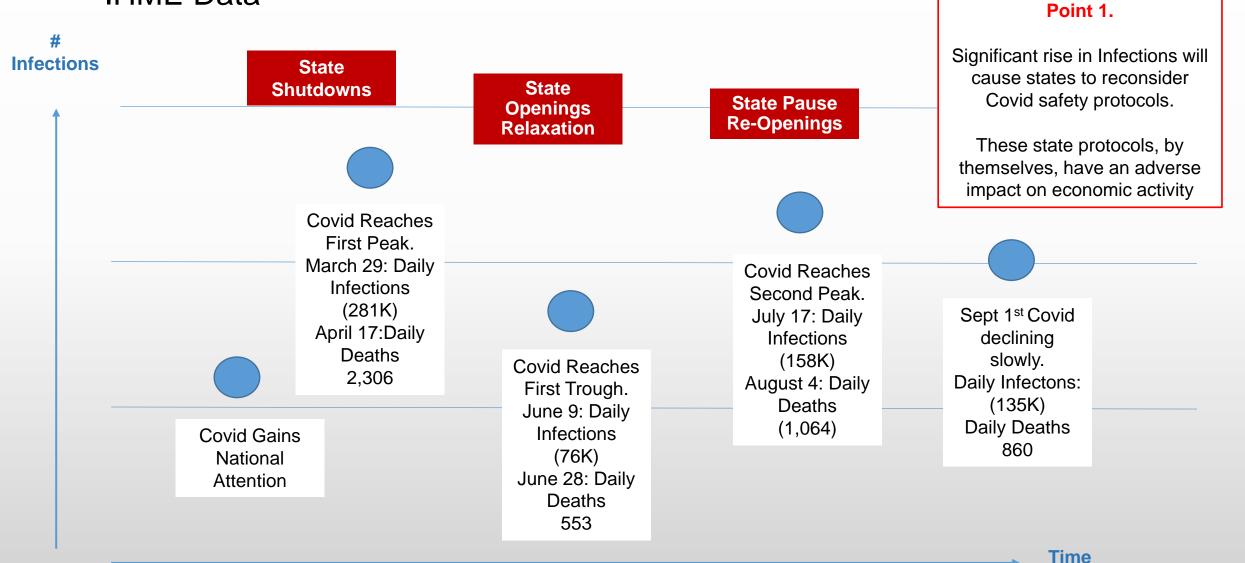
Presentation Focus

- 1. Macroeconomic & Covid Data
- 2. Macroeconomic, Construction, & Cement Outlook
- 3. Longer Term Considerations

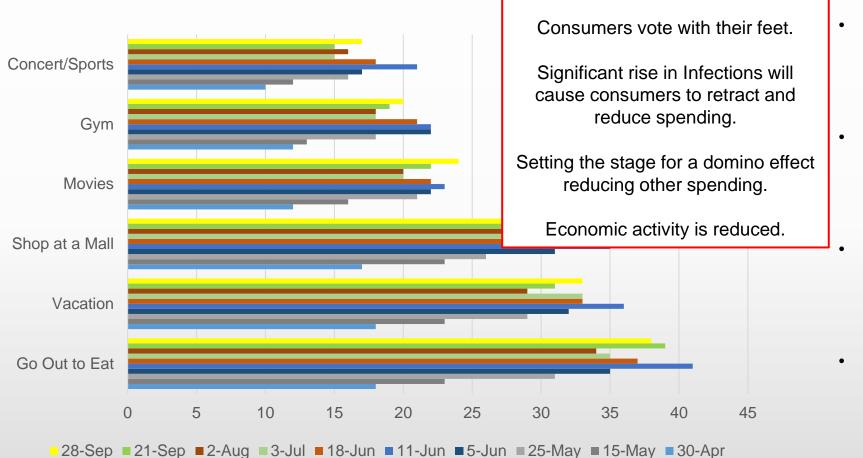


Macroeconomic & Covid Data

Since 1916 America's Cement MontecturersTM COVID-19 Timeline IHME Data



America's Ceme Are you Comfortable Going to.....



Point 2.

 As Covid infections increase, consumer confidence in returning to their "normal" spending activity

reverses.

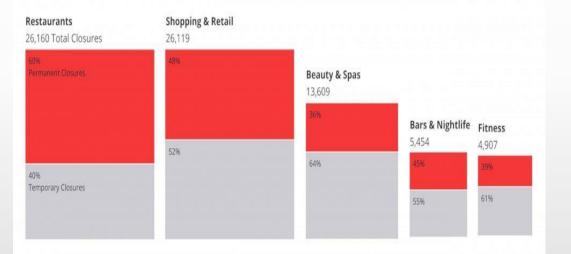
- Recent months showed a stabilization from early August levels – neither improving nor worsening.
- When consumers return to "normal" spending activity will play a key role in the speed at which the economy recovers.
- Consumer spending accounts for 70% of overall economic activity. The slower return to "normal" suggests slower than expected interim growth.



Scarring: Business Closures

Restaurants and Retail Continue to Struggle

Number of businesses marked closed* on Yelp that were open March 1



*Among U.S. businesses that were open on March 1. A business was counted as closed if it was marked as permanently or temporarily closed, changed its hours to mark itself as closed for entire days, or included the word "closed" in the COVID-19 business updates section of its Yelp page. Closures updated through July 10. Data may lag actual closures because of time taken to report and verify closures.

Source: Yelp Chart: The DataFace

Point 3.

The recovery is proceeding.

The longer sub-normal conditions remain in place, more scarring occurs.

Economy's problems evolve from Covid to economic fundamentals.

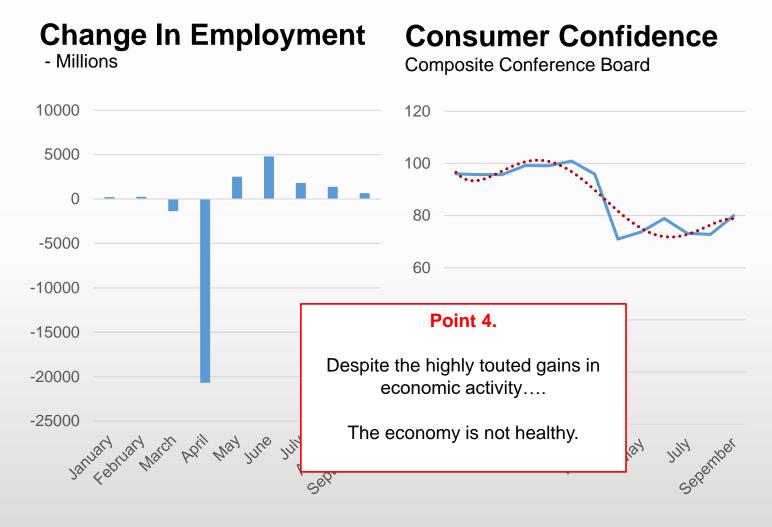
The Share of Per

Share of business closures* on Yelp that were temporary vs. permanent



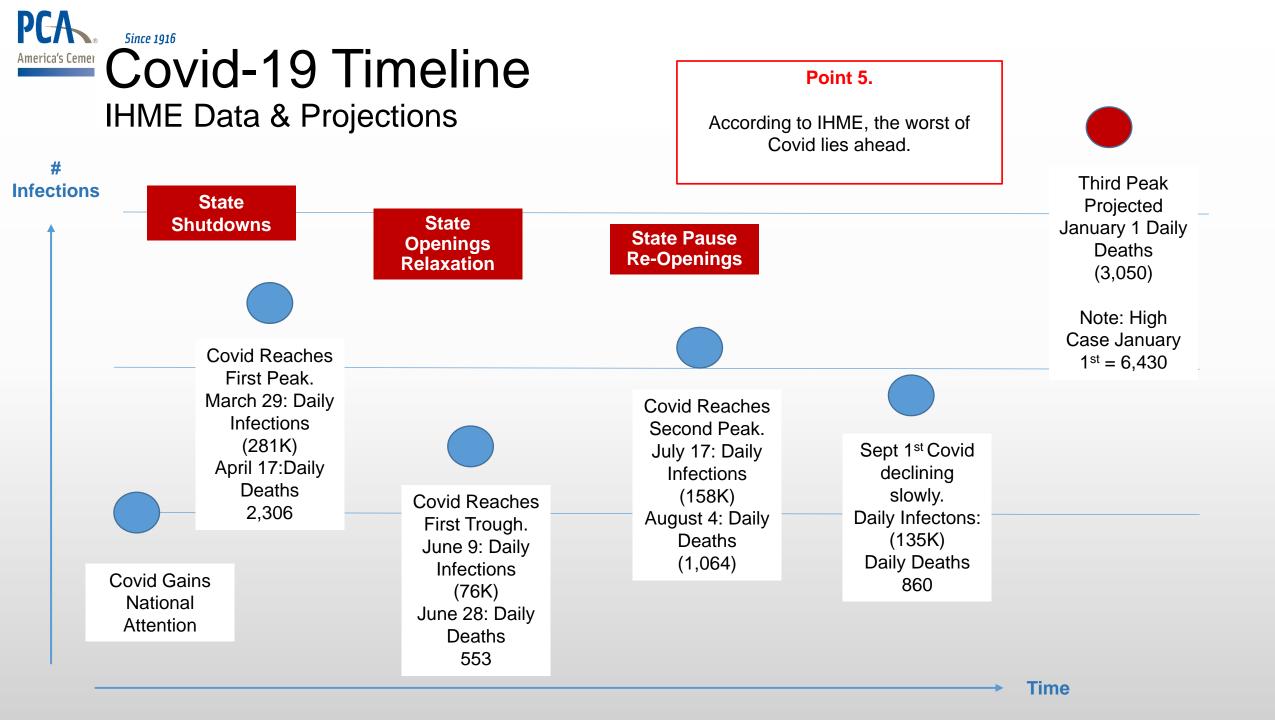
*Among U.S. businesses that were open on March 1. A business was counted as closed if it was marked as permanently or temporarily closed, changed its hours to mark itself as closed for entire days, or included the word "closed" in the COVID-19 business updates section of its Yelp page. Closures are updated through July 10. Data may lag actual closures because of time taken to report and verify closures.

Source: Yelp Chart: The DataFace Economic Crossroads: An Inflection Point



- By any measure, economic activity crashed during the second half of March through April. GDP suffered a 32% decline. 20 million jobs were lost overnight.
- With the states re-opening business, the economy has shown significant growth. That growth is becoming less robust over the past several months.
- September's job report reinforced this trend. Sector re-openings (hospitality & retail) played key role in the improvement but can not be counted as a longer term driver of jobs.
- Government shed 216,000 jobs. A trend that could grow larger.
- The economy may be at a crossroads.
- With the gradual expiration of the CARES act, in the context of weak economic conditions – risks exist that the recent momentum of the recovery could be lost.

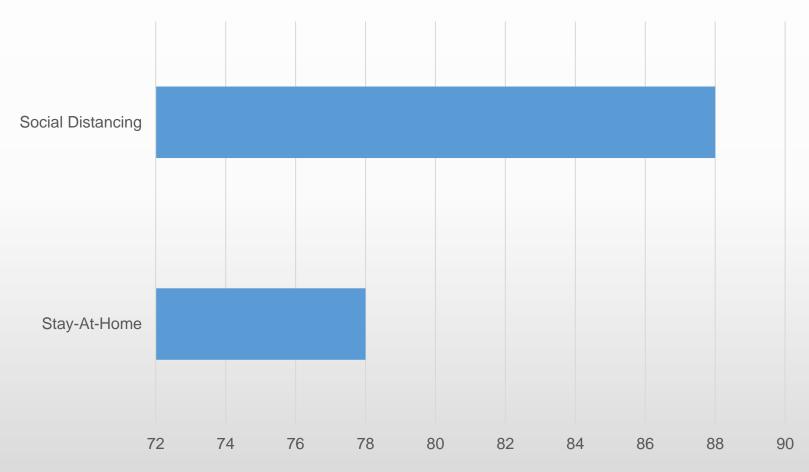






If the Virus Returns with Aggression...

- What policies would you support to fight it.



- Suprisingly, 78% of those surveyed say that they would support another round of shutdowns to fight an aggressive return of the virus later this year or early next.
- This surprising result cuts across political lines with 69% of Republicans in support of state shut downs as a policy response.

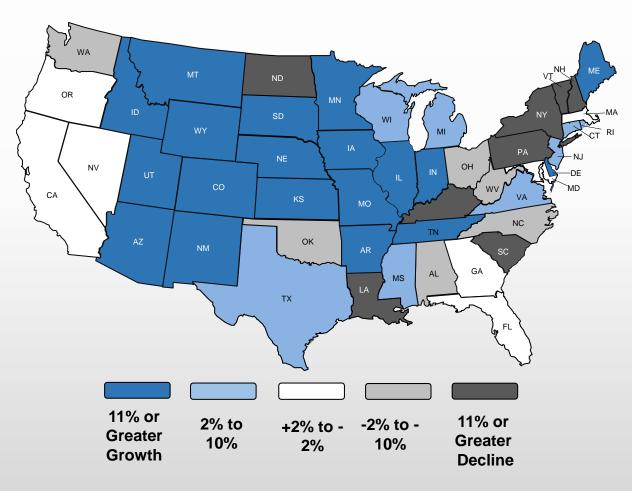


Construction & Cement Outlook



Regional Cement Trends

August year-to-date



West North Central	8.3%
West South Central	-2.3%
New England	5.7%
East North Central	1.7%
Middle Atlantic	-5.7%
South Atlantic	-1.9%
East South Central	0.6%
Pacific	-3.9%
Mountain	9.2%
United States	0.1%

Source: USGS/PCA



Cement Consumption Scenarios: 2020

Thousand Metric Tons

120,000		
110,000		4.07
100,000	SAAR = 2019 +0.	1%
90,000	August Decay SAAR -4.6	
Fourth Quarter Considerations	Accelerated SAAR Decay	
- Hurricanes, Wildfires potentially impacting high cement		
consuming states. - Federal support lapses for some/all of 4 th Quarter.		
- State budgeted for fiscal 2021 absent ongoing federal support		
(timing).		
- Covid increases significantly (Per IHME 3X increase in daily		
deaths) - Uncertainty and adverse economic news increases.		
- Election & aftermath uncertainty.		
- Order books become leaner.	July Aug Sept Oct Nov Dec	



Macroeconomic Risks & Assumptions

PCA America's The Alphabets of Recovery

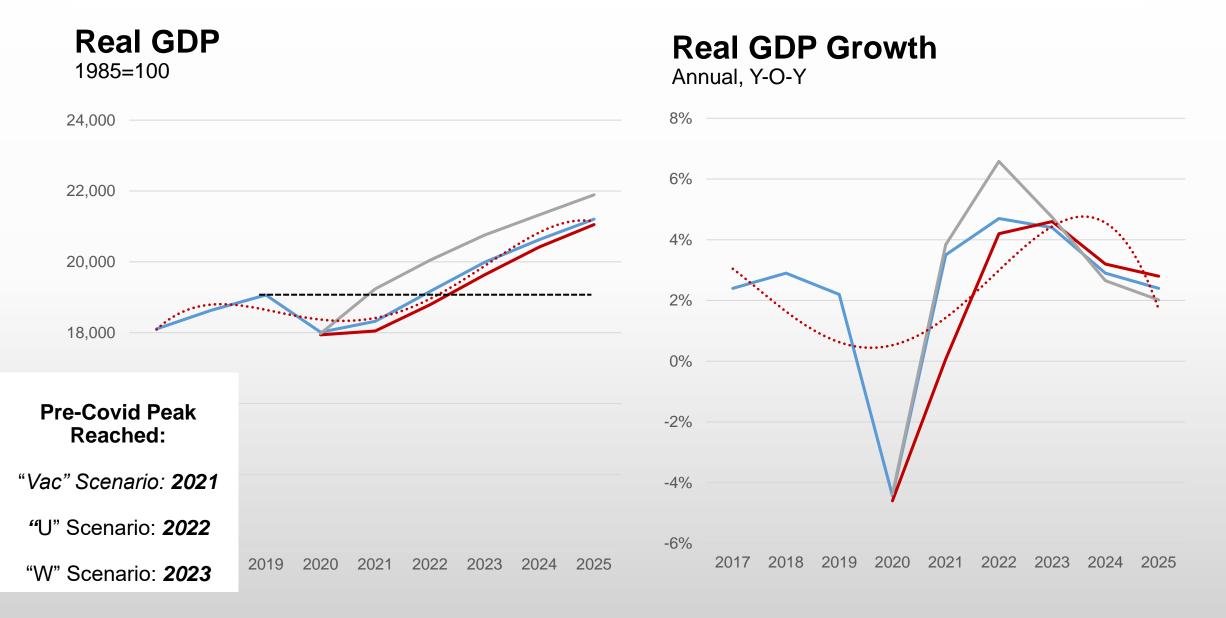
A Sharp deep decline, followed by a period of slow recovery.

- Some scarring.
- Many business foreclosures. Consumer spending is hurt by debt, and lacks confidence .
- Economic growth is enhanced by relaxation of state policies aimed at restraining the spread of the virus.
- After initial reopening phase, jobs come back slowly reflecting modest growth.
- Fourth quarter increase in Covid (IHME Base Case) 3,059 daily death rate January 1st compared to 730 currently.
- Federal Support continues. \$1.5 trillion additional funding.
 \$500 billion to states.
- Consumer confidence slowly improves as Covid deaths ebb throughout 2021.
- Growth slows/pauses in 4th quarter. A slow process of gradual & sustained recovery thereafter.

A Sharp deep decline, followed by a slow recovery and a slide back into recession due to a significant rise in infections, limited Federal support & pause in state reopenings

- More scarring, particularly in 2021.
- More business foreclosures. More building space is vented into the market. Consumer spending is hurt. Consumers lacks confidence.
- Initially, economic growth is initially enhanced by relaxation of state policies aimed at restraining the spread of the virus.
- Consumer fear and uncertainty re-appear.
- Substantial fourth quarter increase in Covid (IHME High Case) 6,430 daily death rate January 1st.
- Some state re-opening retrenchment. Some state pausing of reopening schedule.
- Federal Support continues, but at a lower level. \$1 trillion added in further support in early 2021. \$333 billion to states.
- The slow shallow process of recovery is interrupted, followed by a two quarter retrenchment in 1st half 2021 GDP growth.

Merica's Cement M GDP – "U, W & Vaccine" Scenarios



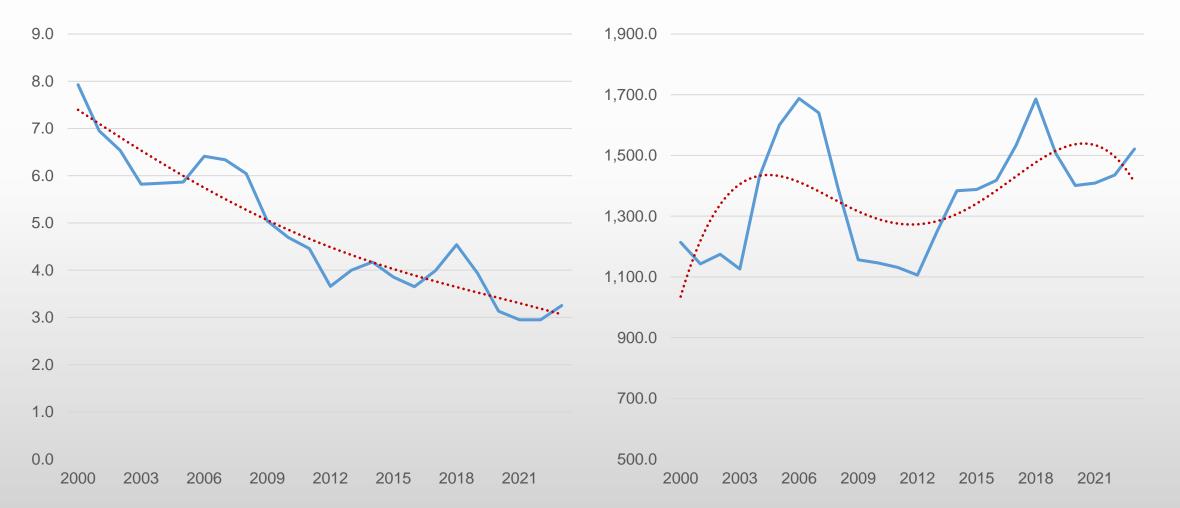


Residential

PC-America's Cernent Mousing – "U, W & Vaccine" Scenarios

Mortgage Rates Remain Low

Thousand Units



Average New Home Monthly Payment

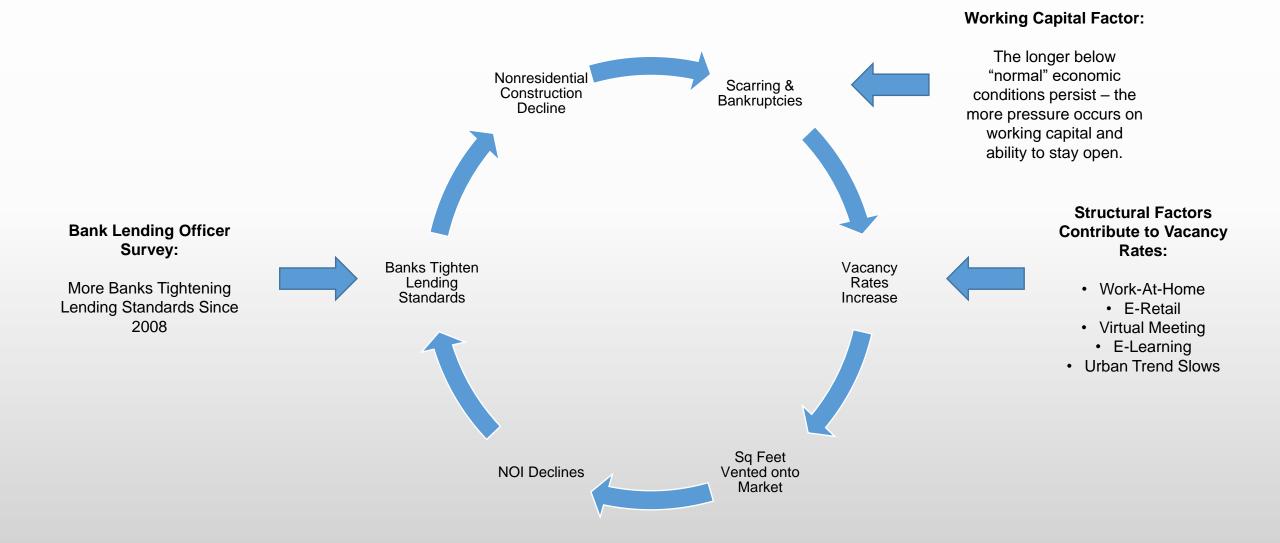
PCA. America's Cerment Mousing – "U, W & Vaccine" Scenarios

Housing Starts Tonnage Change from Pre-Covid Thousand Units Annual Volume 6,000 1,600 5,000 1,500 4,000 1,400 3,000 1,300 1,200 2,000 1,000 1,100 0 1,000 2020 2021 2022 2017 2018 2020 2021 2022 2023 2024 2025 2019



Nonresidential

America's Ceme Nonresidential: A Long Recovery



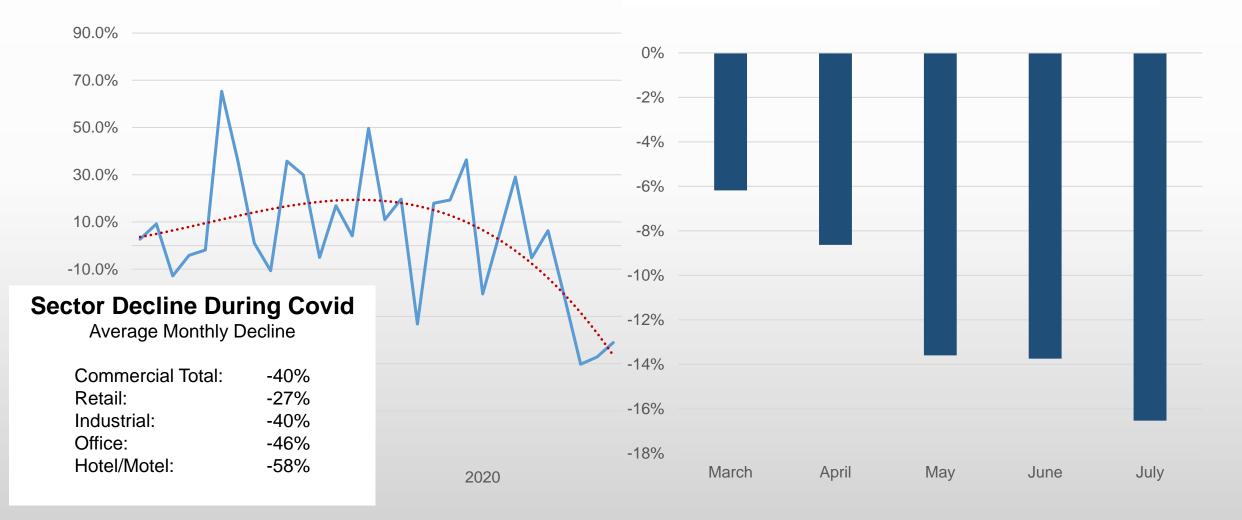
America's Cement Nonresidential Order Books

Commercial Contract Awards

Y-O-Y % Change

Nonresidential Construction

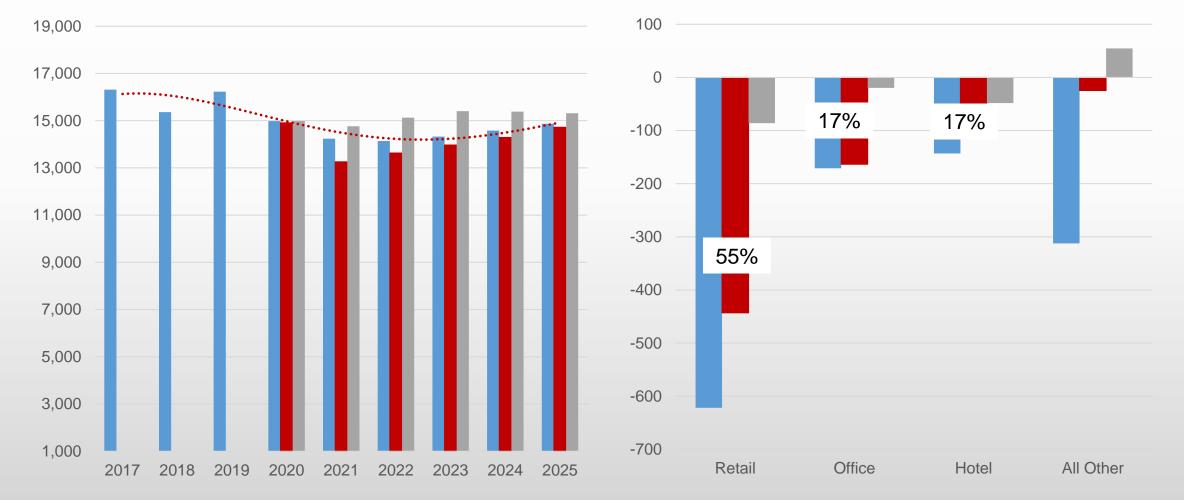
Multi-Retail Nonresidential PIP Millions, SAAR



PCA. America's Cerment Nonresidential – "U, W & Vaccine" Scenarios

Nonresidential Cement Consumption

Thousand Metric Tons



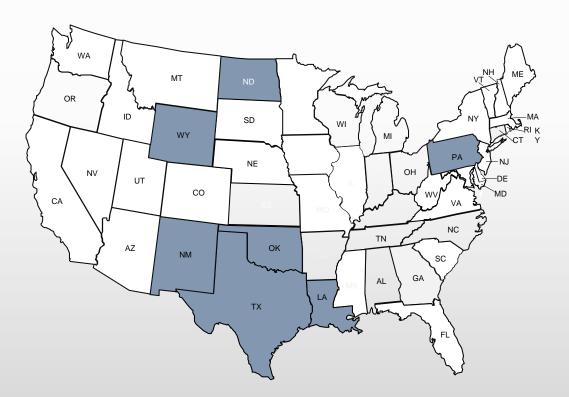
Metric Tons

Composition of the Decline



Energy Exposure

Energy Intensive States



Oil & Gas Drilling



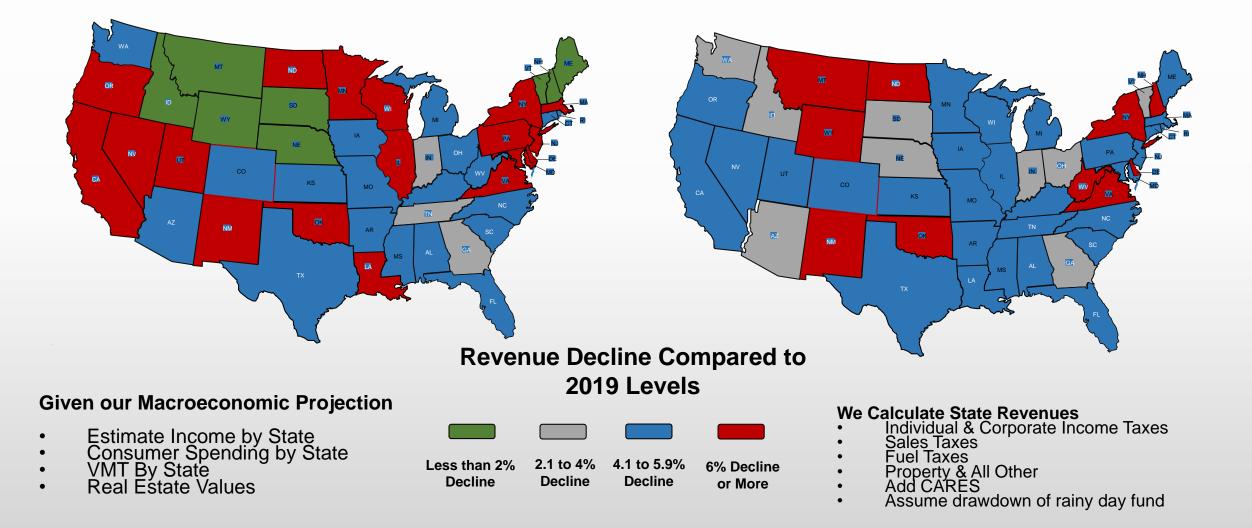


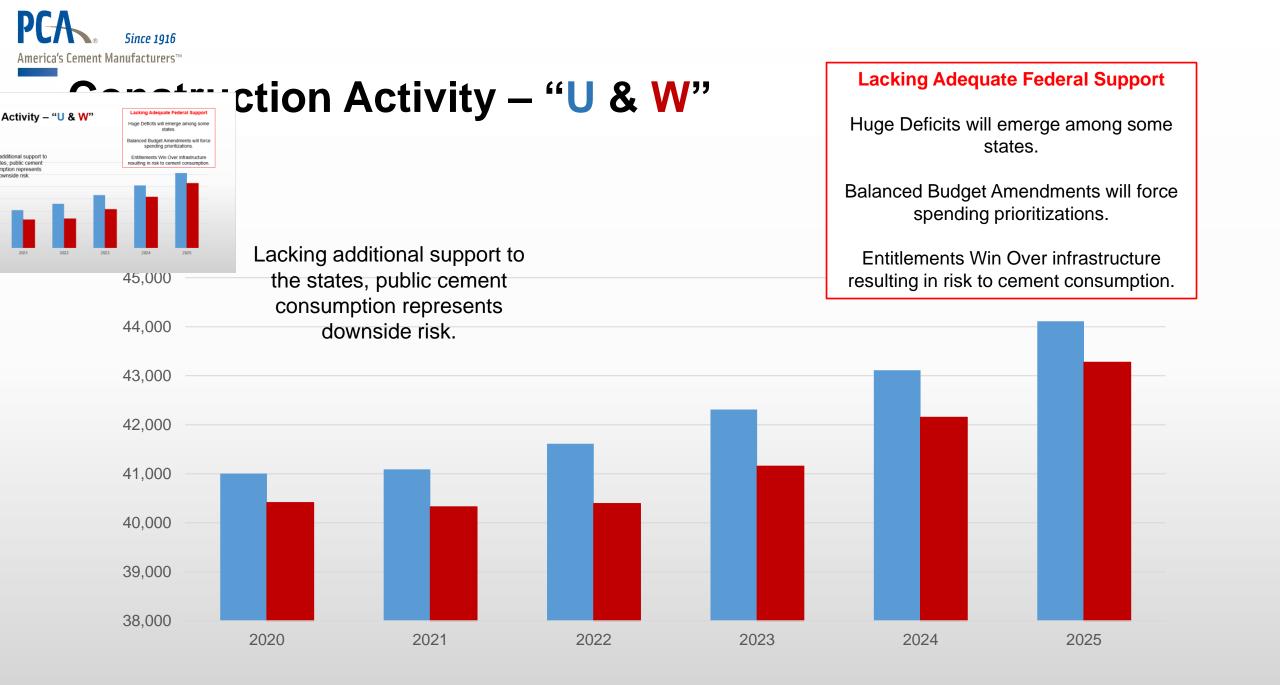
Public



State Revenues: 2020

State Revenues: 2021







Total



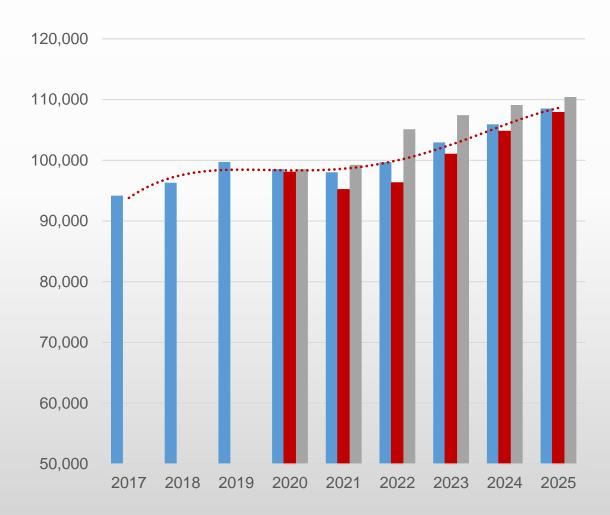
Scenario Probabilities

- Gradual & Sustained Recovery ("U") 40%
 - Covid-19 infections rise, economic growth slows/pauses, but does not turn negative.
- Growth Interrupted ("W") 25%
 - Covid-19 infections rise dramatically, states & consumers react, economic growth turns negative.
- Vaccine Scenario 35%
 - A vaccine with at least 70% effectiveness widely distributed beginning Q3 2021.

PCA. America's Cerment Merica's Cermen

Cement Consumption

Metric Tons



Cement Consumption Growth

%, Y-O-Y

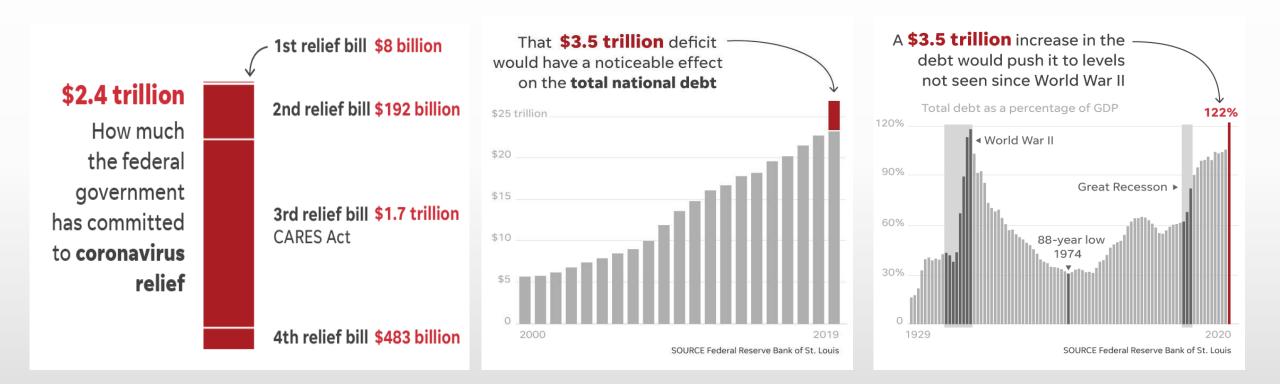
7%						
6%	Projections					
5%	Scenario	2020	2021	2022	2023	
4%	" U"	-1.3%	-0.5%	1.6%	2.7%	
3%	"W"	-1.8%	-3.4%	1.3%	4.3%	
2% 1%	"Vac"	-1.3%	0.7%	5.1%	2.4%	
0%				/		
-1%	Weighted Average					
-2%	Scenario	2020	2021	2022	2023	
-3%	Weighted	-1.5%	-0.9%	2.9%	3.0%	
-4%	2017 201	8 2019	2020 2021	2022 2023	2024 2025	



Beyond the Near Term Outlook



Federal Deficit



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