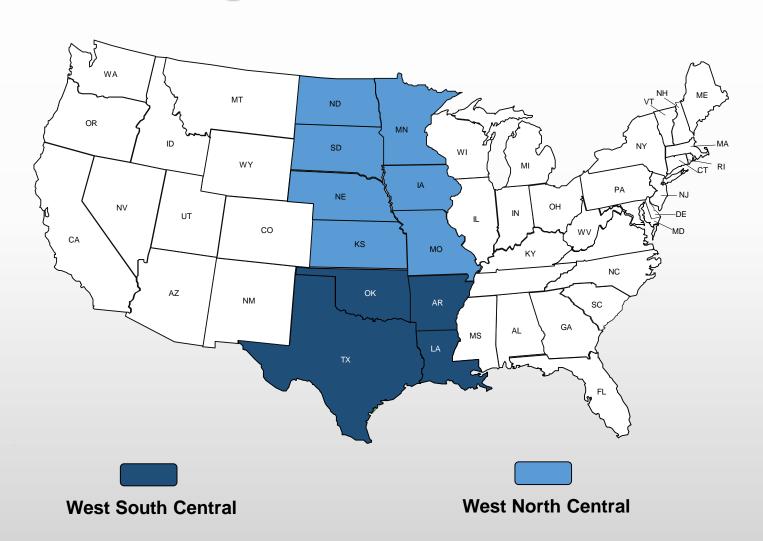




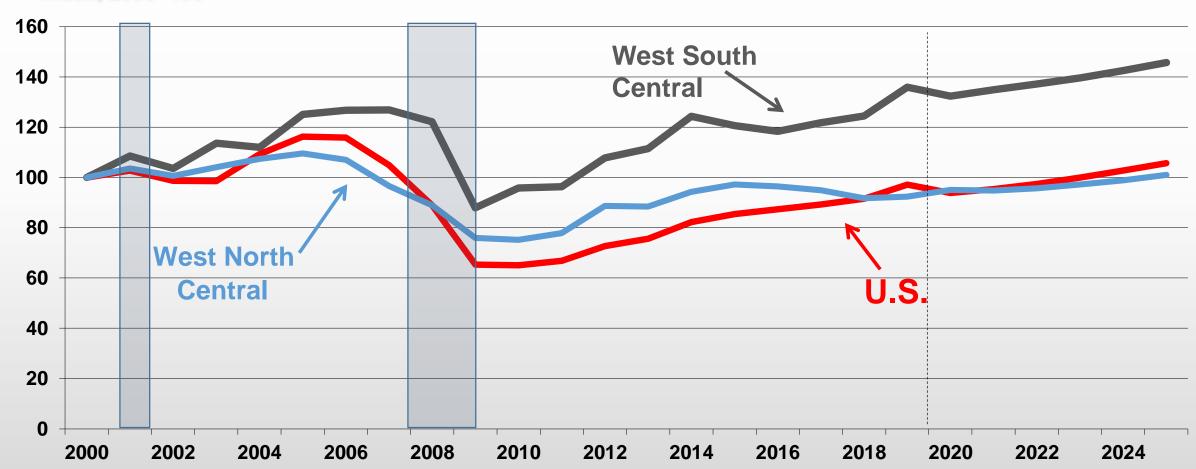
# **Regional Focus**





## **Total Cement Consumption**

Index, 2000=100

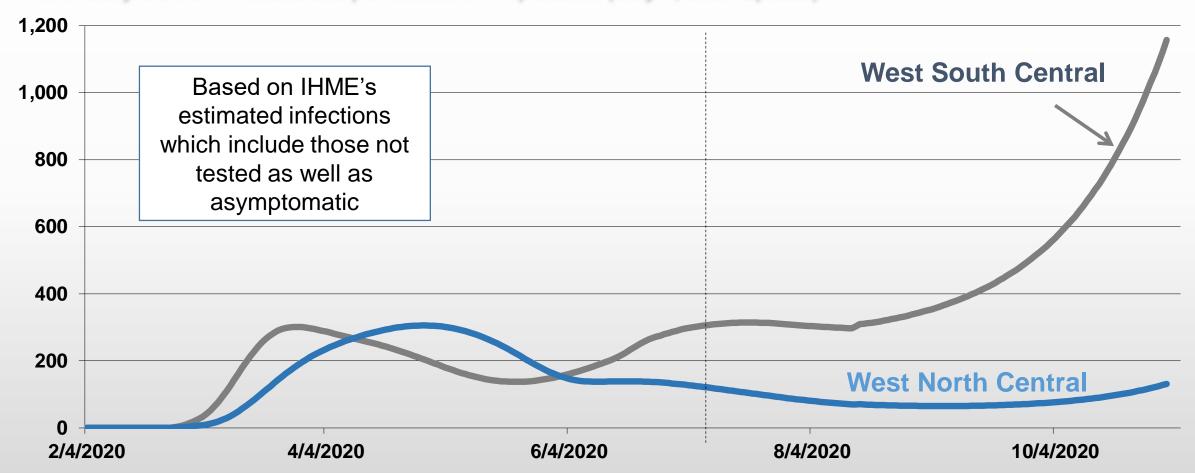


Source: USGS, PCA



### **IHME Projected Daily Infection Rates --Per Capita**

New Daily COVID-19 Infections per Million of Population (July 7, 2020 Update)

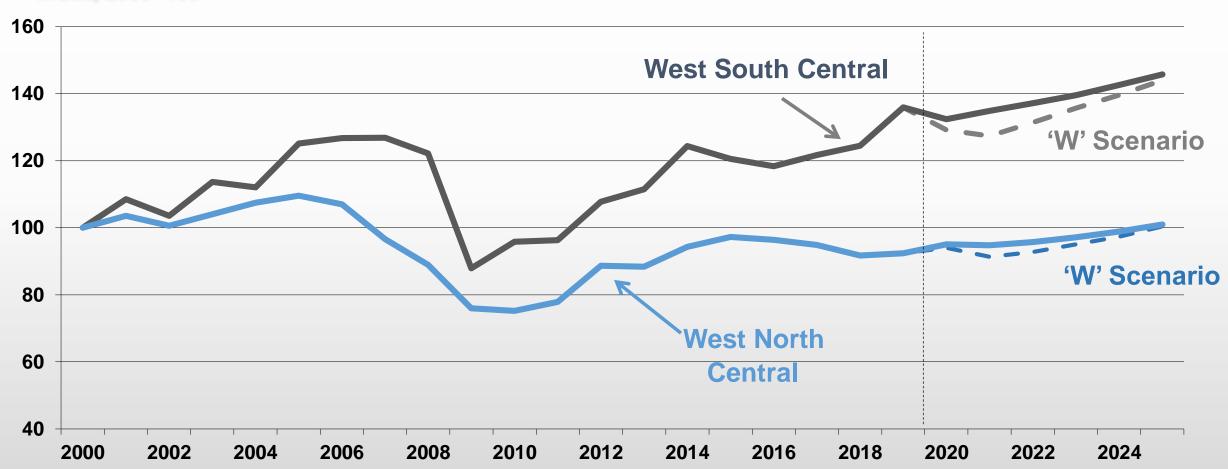


Source: IHME, Census, PCA



## **Total Cement Consumption – Central U.S.**

Index, 2000=100



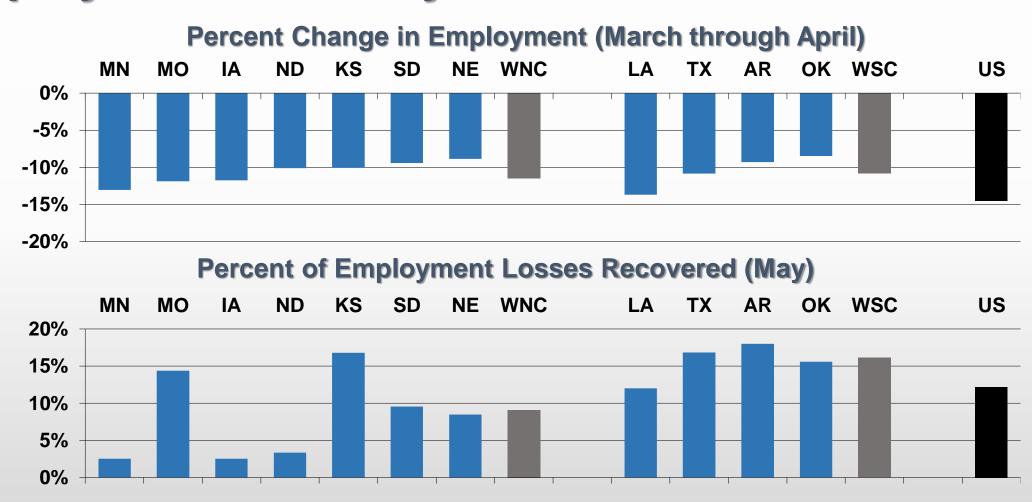
Source: USGS, PCA



# **Economic Outlook**



## **Employment Recovery**

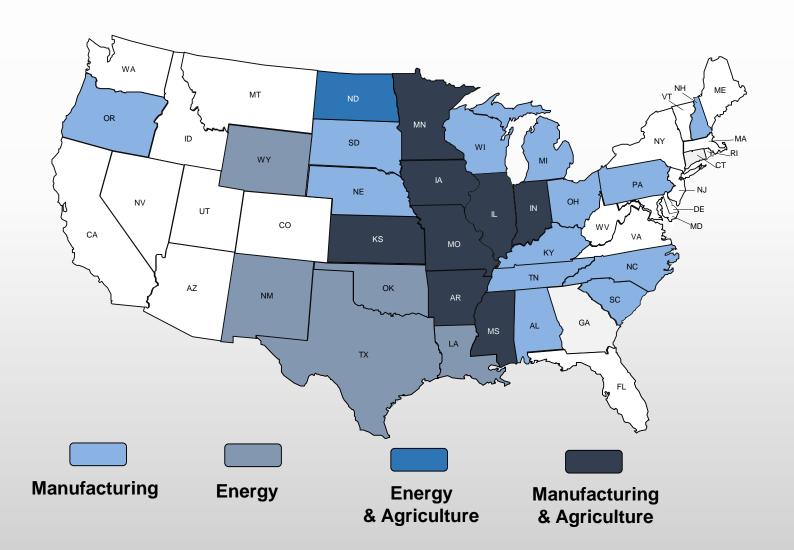


Note: Based on U.S. June report, 34% of jobs have been recovered while regional figures are still pending

Source: BLS, PCA



## Manufacturing, Energy, and Agriculture Exposure

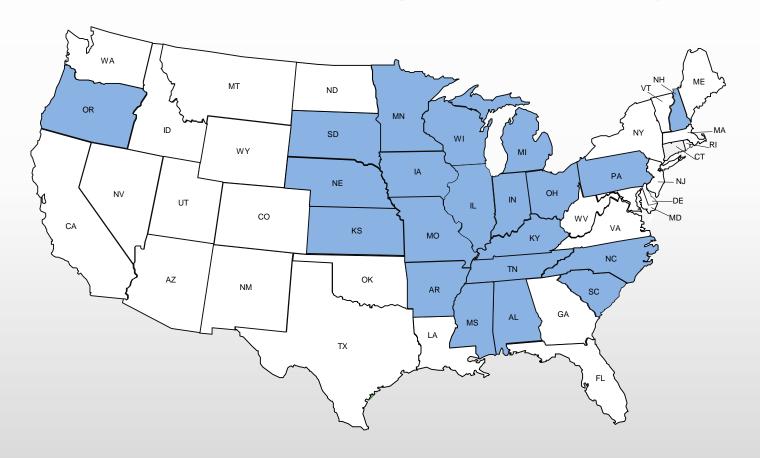


Source: PCA

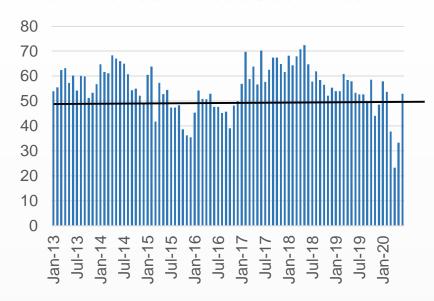


# **Manufacturing Exposure**

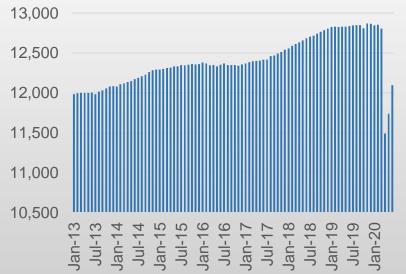
10% or Greater Manufacturing Share of Total Employment



#### **Mid American Production Index**



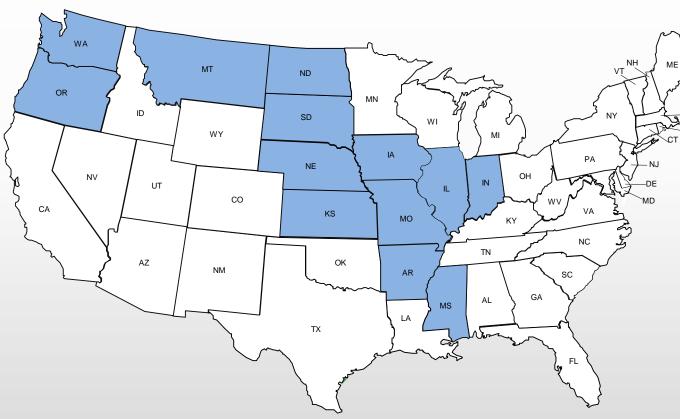
#### **Manufacturing Employment (000s)**



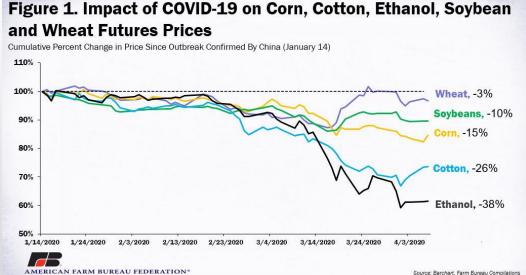


# **Agriculture Exposure**

### **Crop Cash Receipts 10% or Greater Share of Gross State Product**



- Closures of schools, restaurants, corporate cafeterias...have deeply unsettled agriculture futures markets.
- Additionally, reduced demand for ethanol in light of lower gasoline consumption continues to weigh on the market.
- Meat processing plant closures have created a bottlenecks and subsequent end-market price increase which has lowered demand.



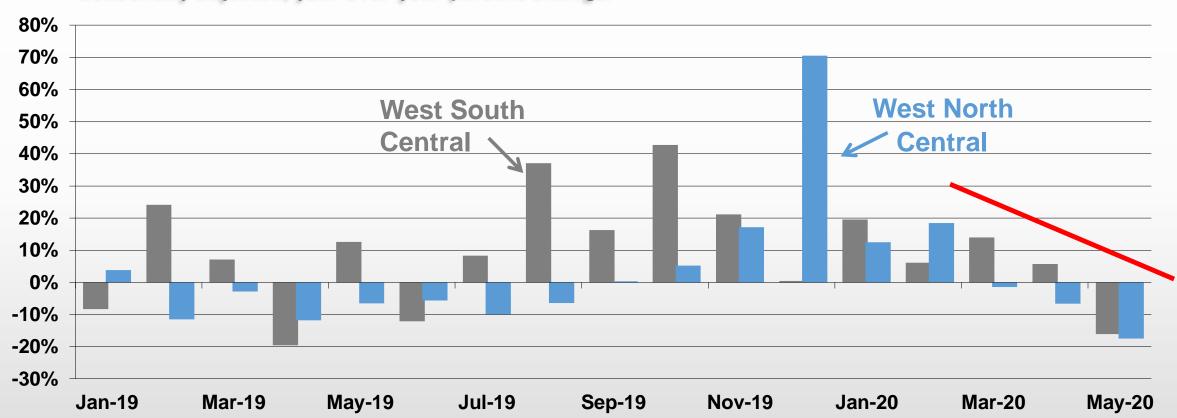


## **Residential Outlook**



## **Housing Permits – Central U.S.**

Seasonally adjusted, year-over-year percent change.



12

Source: PCA



### Favorable Regional Home Affordability will Provide Support

### Home Price-to-Household Income, SA







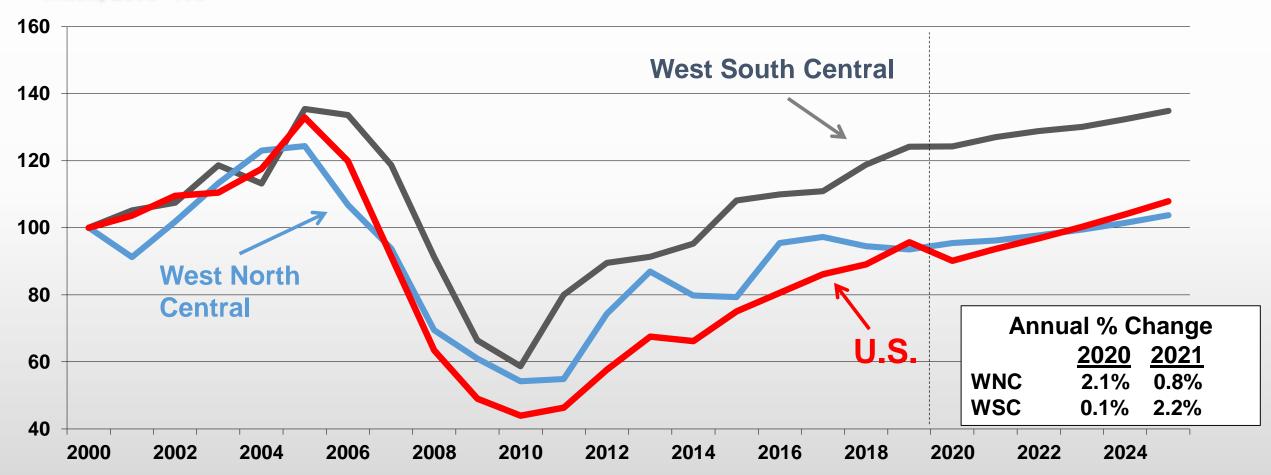


Source: NAR, BEA, BOC, Moody's



## Residential Cement Consumption – Central U.S.

Index, 2000=100

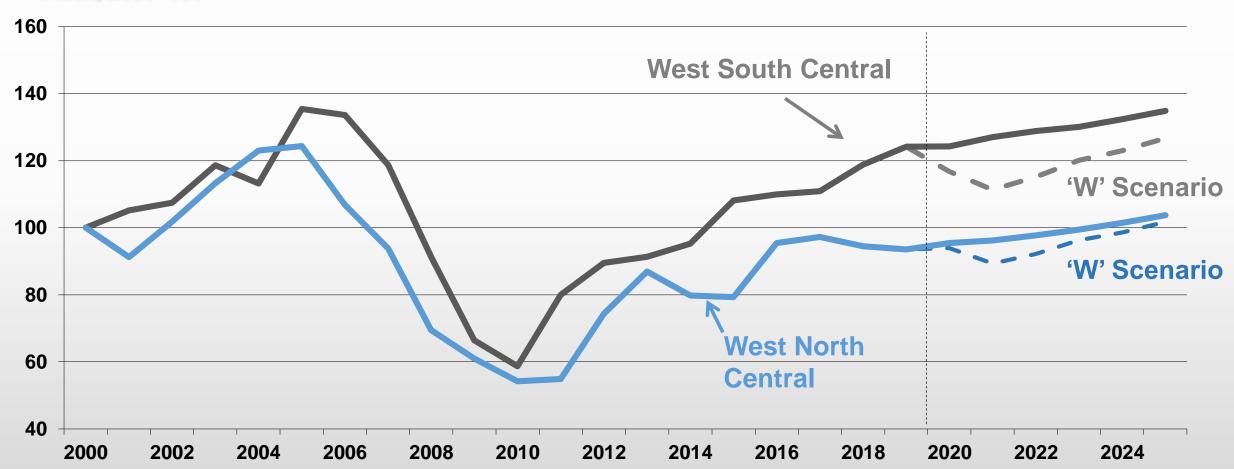


Source: USGS, PCA



## Residential Cement Consumption – Central U.S.

Index, 2000=100



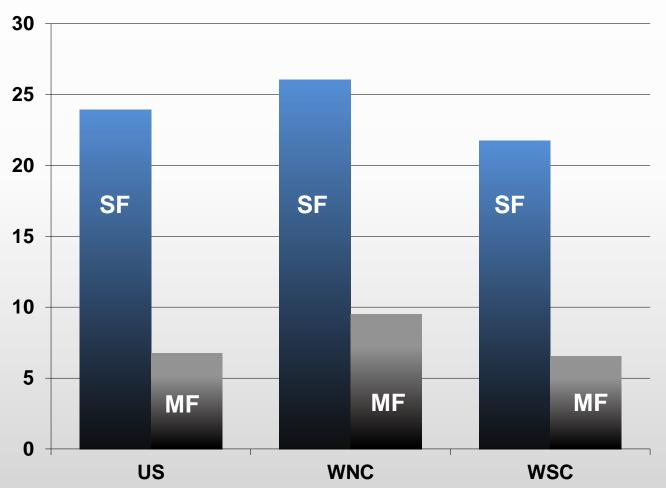
Source: USGS, PCA

15



## Potential Shift in Homebuyer Preferences?

### **Metric Tons of Cement Per Housing Unit**



- 21% of agents reported buyers seeking the benefits of new homes, such as office space or backyards. (Source: NAR Research Group Survey)
- Potential for intrastate moves from urban to suburban/exurban locations.
- A 10% compositional shift from multi to single family would amount to roughly 50k MTs annually in WNC and 125k MTs in the WSC.

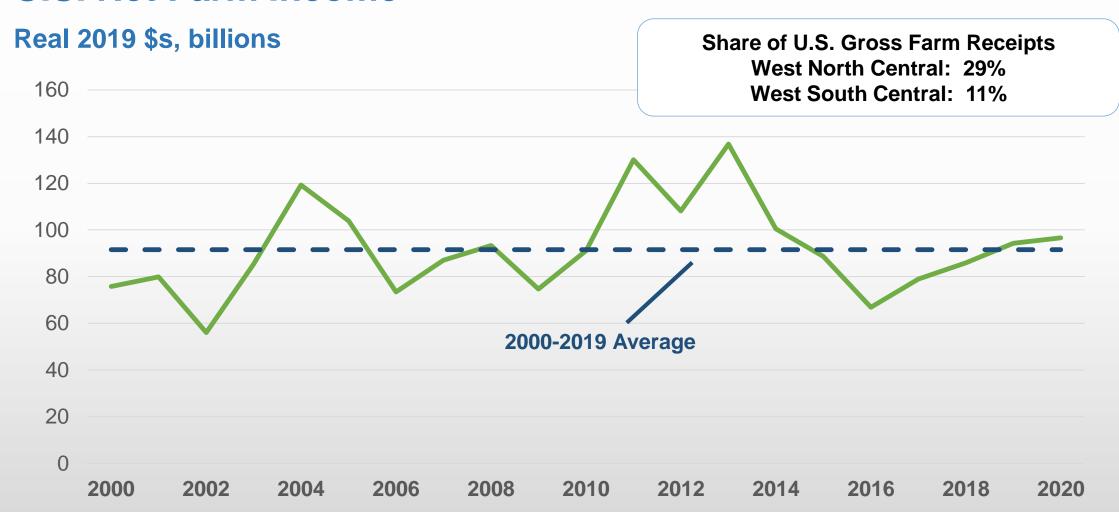
Source: PCA, NAR



## **Nonresidential Outlook**



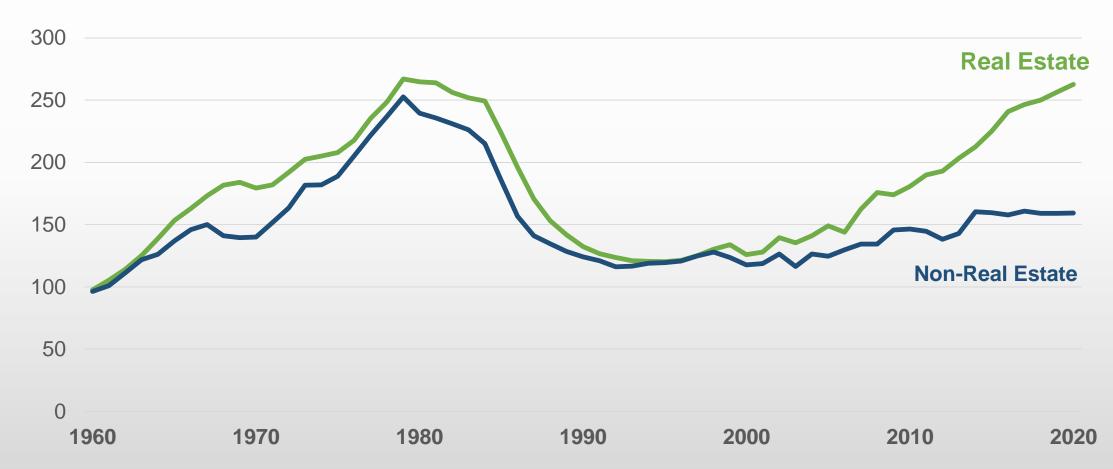
### **U.S. Net Farm Income**





### **U.S. Farm Debt**

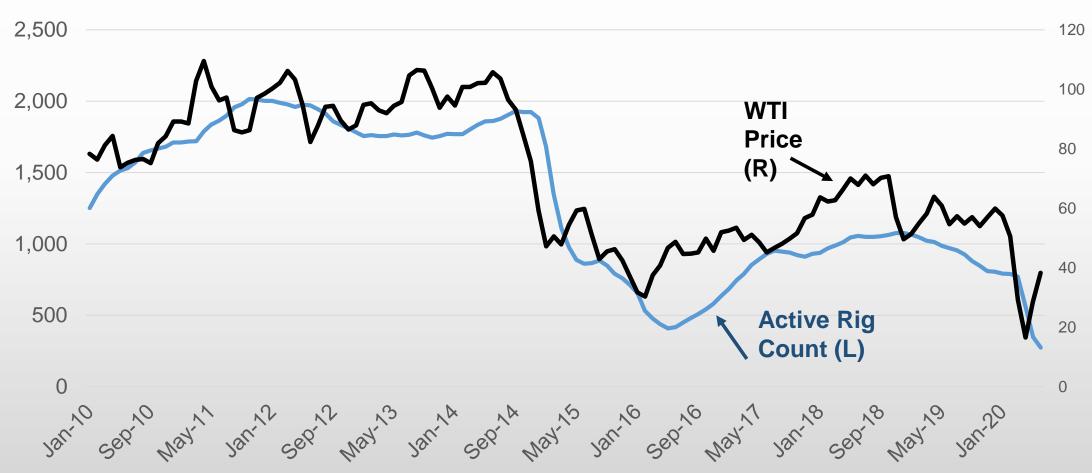
### Real 2019 \$s, billions



Source: U.S. Department of Agriculture (USDA): Farm Income and Wealth Statistics

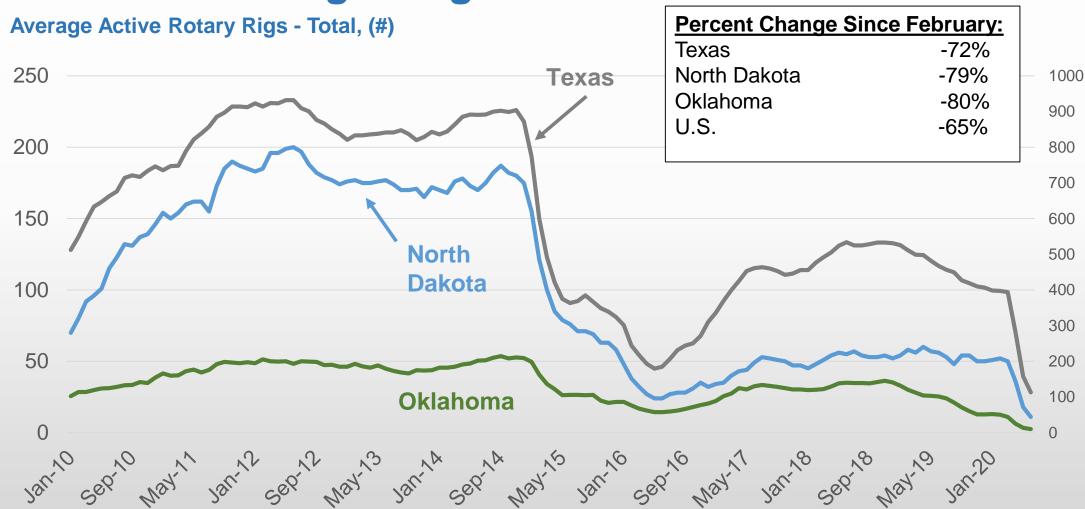


## Oil & Gas Drilling a Regional Concern



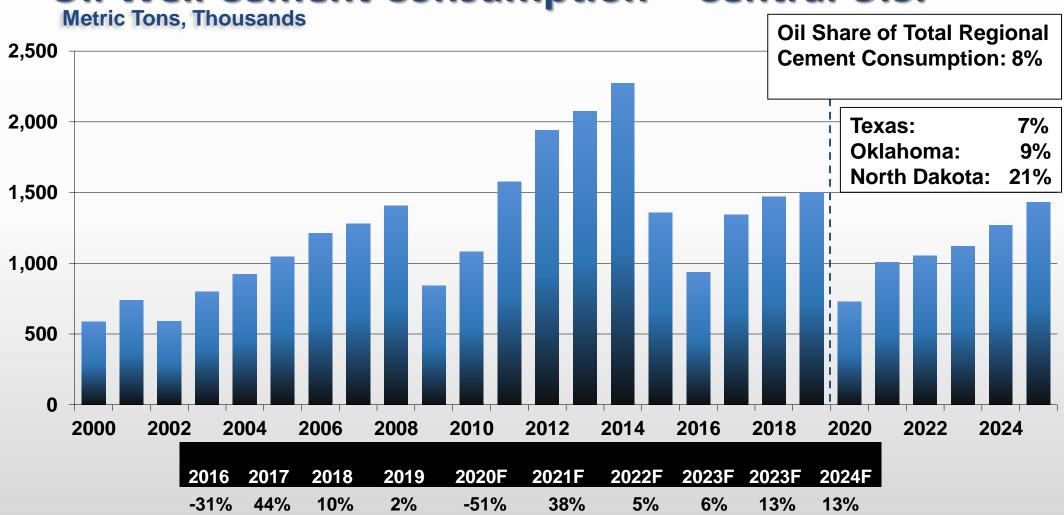


### Oil & Gas Drilling a Regional Concern





## Oil Well Cement Consumption – Central U.S.

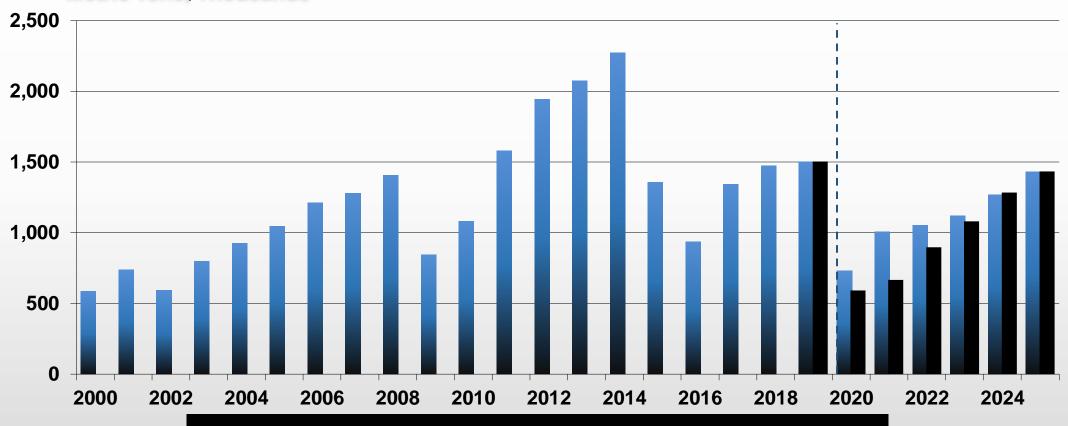


Source: PCA



## Oil Well Cement Consumption – Central U.S.

**Metric Tons, Thousands** 



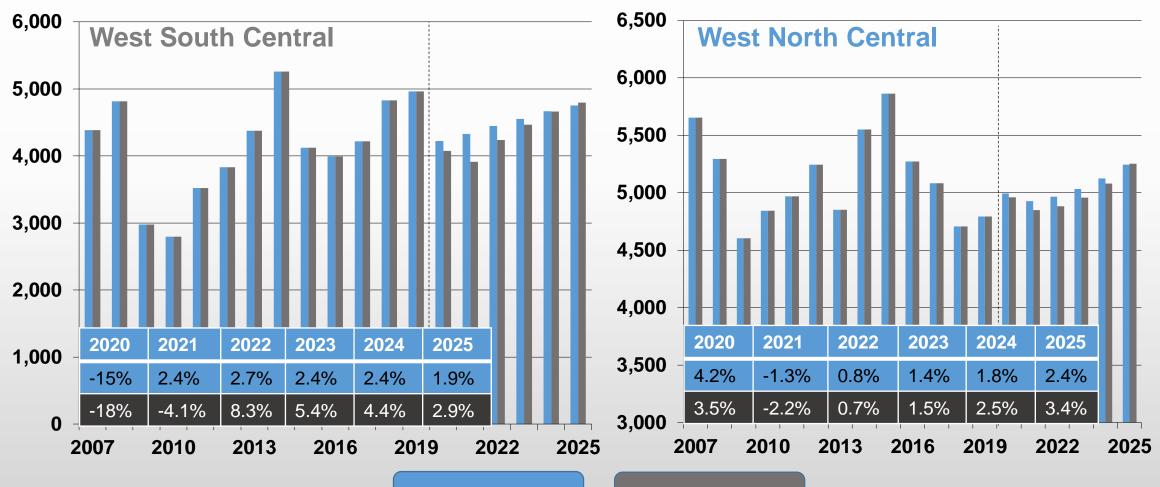
2016 2017 2018 2019 2020F 2021F 2022F 2023F 2023F 2024F Baseline -31% 44% 2% 10% -51% 38% 5% 6% 13% 13% "W" -31% 44% 10% 2% -61% 12% 35% 21% 19% 12%

Source: PCA



## Nonresidential Cement Consumption – Central U.S.

**Metric Tons (000s)** 



Source: PCA

**Baseline Scenario** 

'W' Scenario

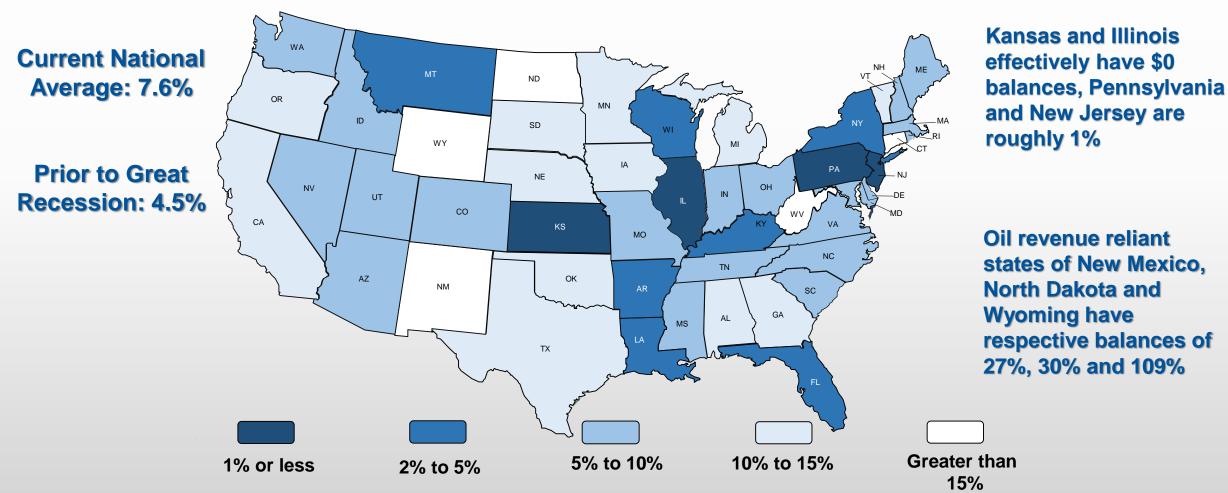


# **Public Outlook**



# **State Rainy Day Funding – FY2020**

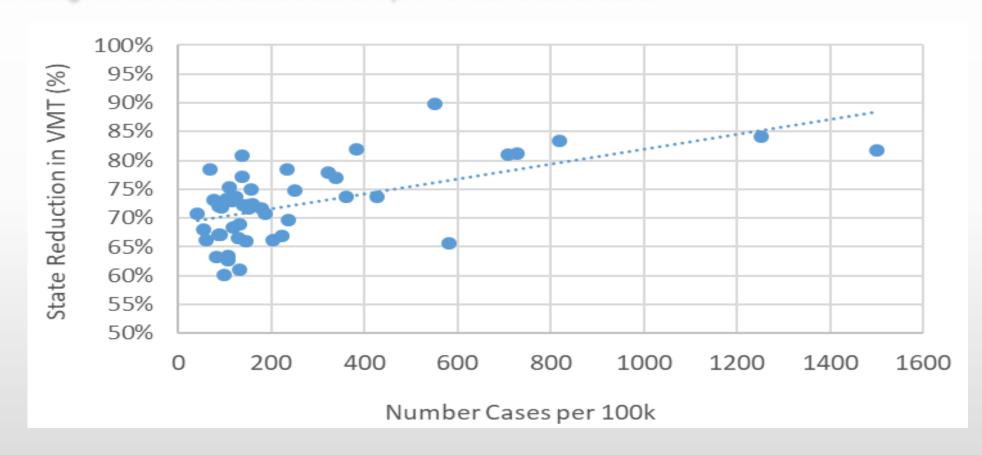
Rainy day balances as share of general fund expenditures





### Reduction in Vehicle Miles Traveled Relative to COVID-19 Cases

Percent change in VMT the second week of April vs. first week of March

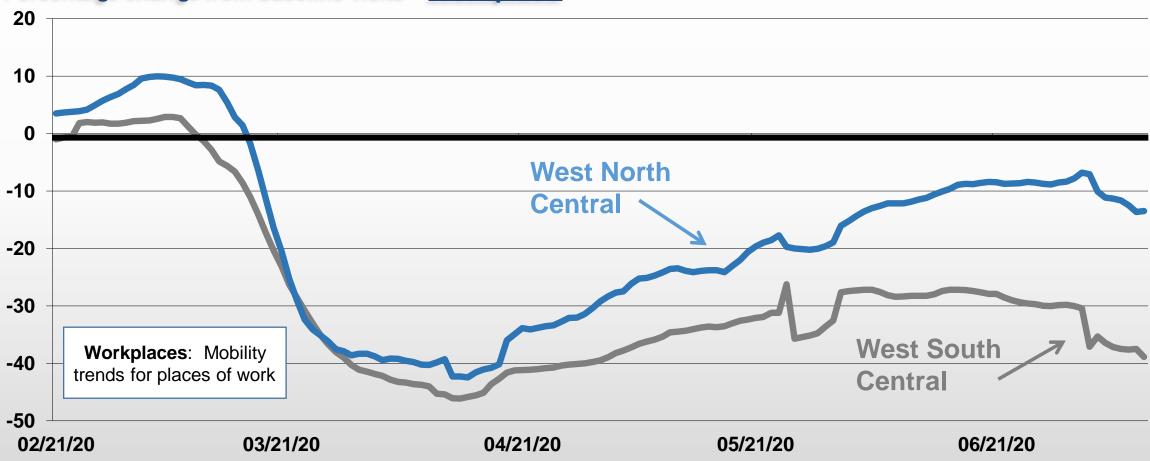


**Source: University of California, Davis** 



## **Employees returning to Work...**

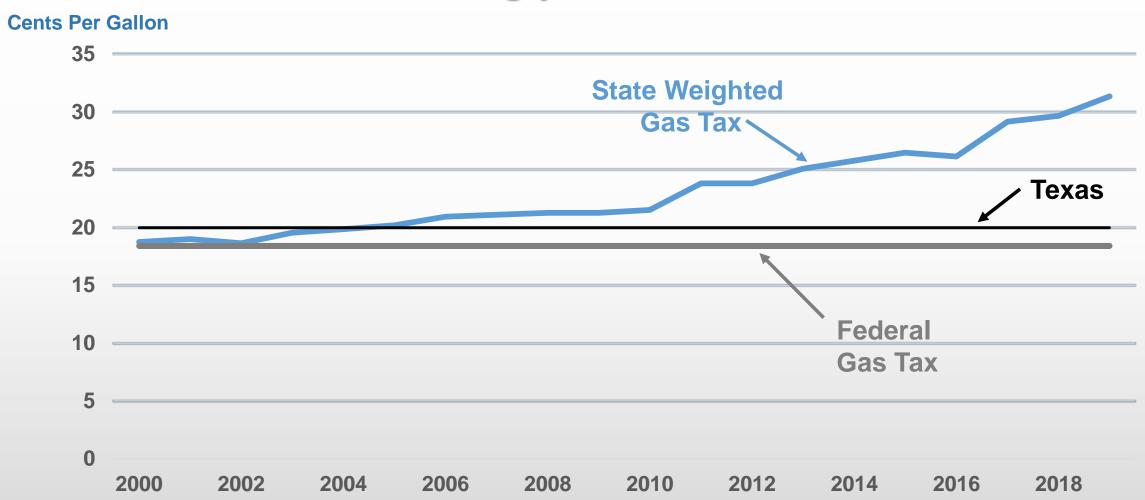
#### Percentage change from baseline visits—Workplace



Source: Google Mobility Report, PCA



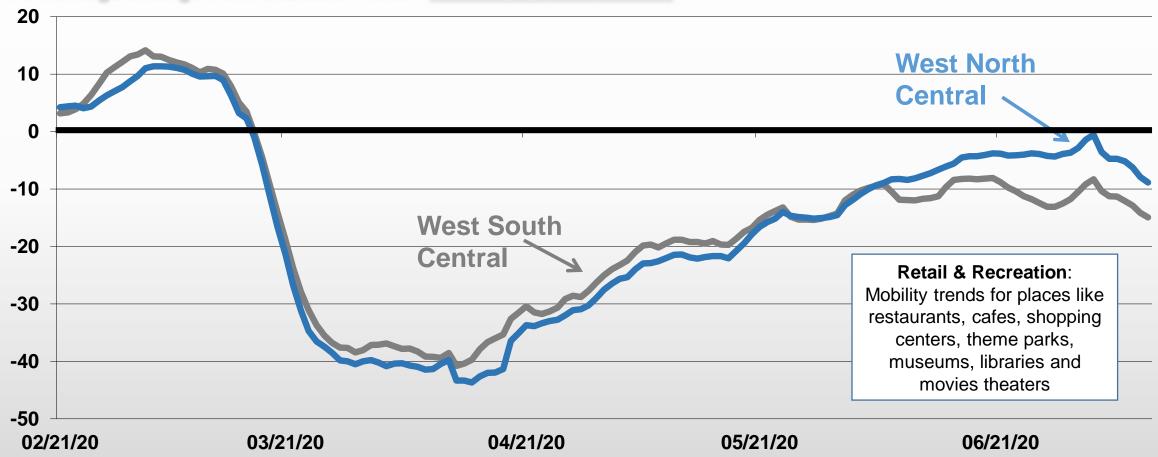
### **States Have Been Increasingly Less Reliant on Federal Funds**





## **Consumers Once Again Showing Apprehension**

#### Percentage change from baseline visits—Retail & Recreation

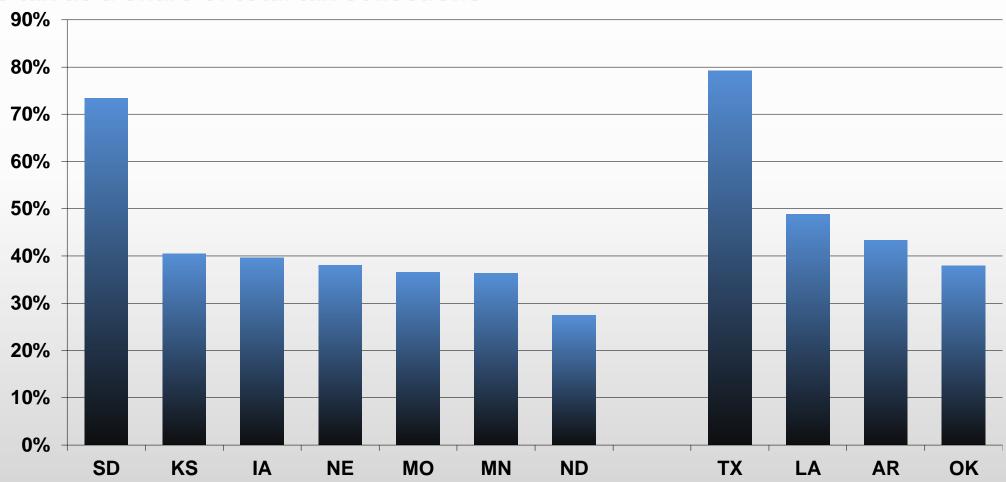


Source: Google Mobility Report, PCA



# States with High Sales Tax Exposure at Risk

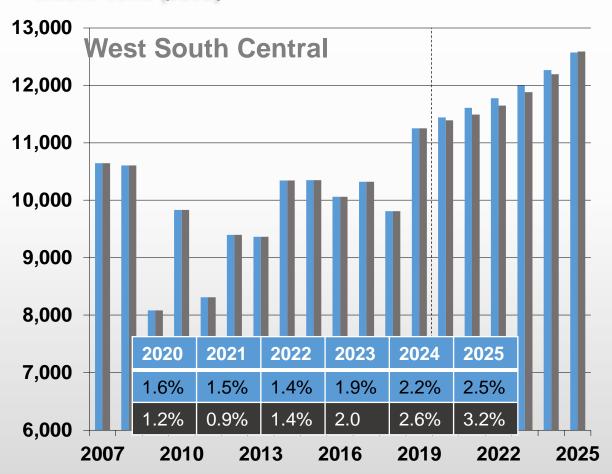
#### Sales tax as a share of total tax collections

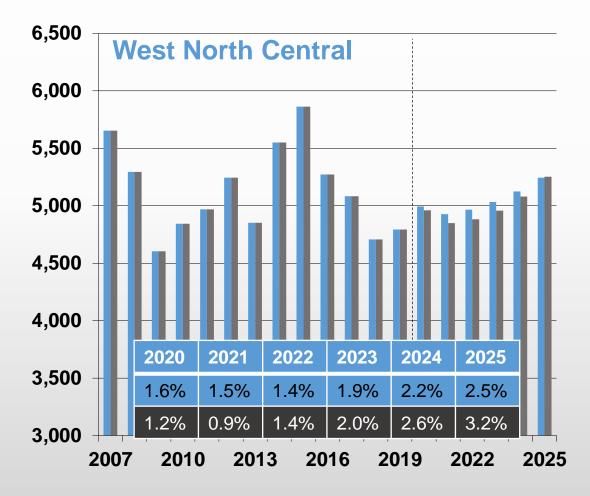




## **Public Cement Consumption – Interior U.S.**

**Metric Tons (000s)** 



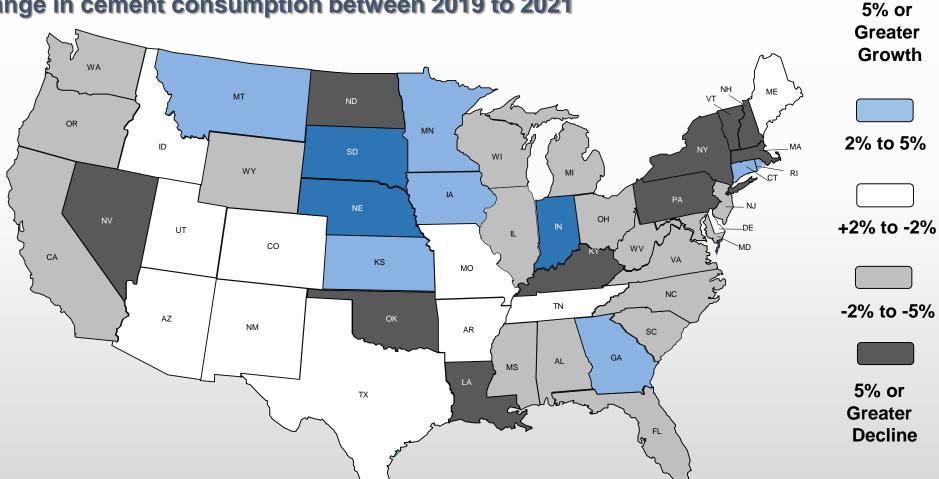


Source: PCA



# Regional Cement Trends: Through 2021

Based on change in cement consumption between 2019 to 2021



**Source: PCA 2020 Summer State Forecast** 

