Catastrophe Report



Reconstruction costs play a critical role in a community's recovery. Historically, costs for various construction materials and laborers have fluctuated, though this has especially been the case amid the COVID-19 pandemic. CoreLogic® Residential Component Technology (RCT) data indicates that costs significantly increased between March 2021 and June 2021. More recent data, however, indicates that costs leveled out between June 2021 and September 2021 as supply chains normalized after a year of disruption. This leaves costs meaningfully higher than they were two years ago, **Change in Residential Reconstruction Cost**

4.0% 2.0%



2018 2019 2020 Source: California Department of Insurance

Understanding Impact Not all risk is the same, and every natural hazard event has its own unique consequences — from total destruction, to personal property loss, to structural damage. For each of the four perils outlined in this report, the impact on homes will vary in degree, reinforcing the importance for insurers to regularly assess their portfolios using appropriate risk models to simulate the possible degrees of peril severity. By understanding various scenarios, insurers may be able to better protect their policyholders, rebuild faster and help establish community resilience.

Hurricane

Accounts for damage caused by wind,

storm surge and inland flooding.

and storm effects upon structures.

ME

NC

SC

FL

Severe Weather Winter Storm Accounts for damage caused by Accounts for storm damage caused by tornado, hail and straight-line winds water, burst pipes, poor insulation

MN OR ID SD MI WY IΑ NE NV ОН

ND



MŢ

WY

CO

OR

CA

NV

ID

UT

ΑZ

for a Gulf Coast hurricane.

Homes Impacted

1,233,860

ID

UT

Every year, hundreds of tornadoes, hailstorms and straight-line wind events occur across the U.S. While late in the year for severe storm losses, the Midwest tornado outbreak on December 10 and 11, 2021 was the deadliest December outbreak on record. **Reconstruction Cost Value Homes Impacted \$123.7 Billion** 563,627

\$33B in Property Damage With climate change affecting the ocean's temperatures, tropical cyclone activity is expected to become more frequent and destructive. When Hurricane Ida made

landfall on the 16th anniversary of Hurricane Katrina, many Louisiana residents anticipated the worst. In reality, Ida proved that at least two things had changed since Katrina — the levees held and the flood insurance gap had narrowed. Once the storm moved into the Northeastern U.S., the floods were notable in severity

Reconstruction Cost Value

CO VA KS MO KY NC TN ΑZ NM AR SC GA AL MS **Winter Storm** \$15B in Property Damage

Mortgage servicers that implement And homeowners who understand how all of the above work together to more sophisticated risk assessment tools and implement borrower protect their financial wellbeing.

enhanced with effort on

stakeholders, including:

Insurers that take advantage of the

analytics to improve underwriting

efficiency and homeowner education.

breadth of available data and

accuracy, claims management

the part of multiple

construction cost estimation. Reconstruction cost estimates more accurately reflect the actual cost of damage to, or destruction of,

methodology, which estimates the cost

to rebuild the home in the event of a

total loss and is not to be confused

with property market values or new

properties that would occur from each hazard peril, since they include the cost of materials, equipment and labor needed to rebuild. The reconstruction cost values in this report are based on **Events Included Per Peril** All events occurred in 2021.

each property and its internal contents, which is not necessarily a total destruction of the structure ("property damage"); and the total current reconstruction cost value of those properties assuming total destruction, excluding internal contents ("reconstruction cost value").

damage to furniture and interior

illustrate three figures: the total

contents producing a loss potential

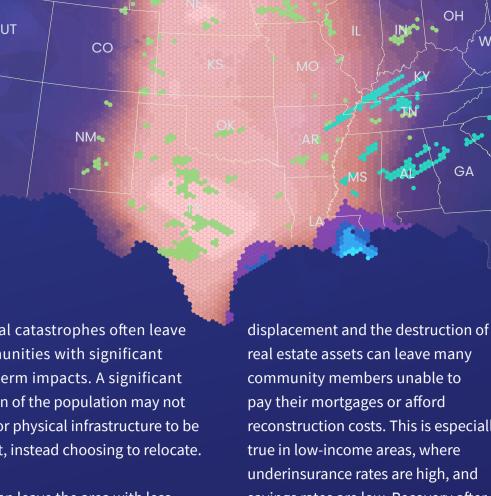
more than 100% of the RCV. The results

number of residential properties at risk

("homes impacted"); the estimated damage in dollars that occurred to

August 29 to September 1 and flooding in the Northeast on September 1 and 2. CoreLogic[®]

Winter Storm: Winter storm event estimate based on the Central U.S. freeze from February 10 to



10.0% 8.0% 6.0%

-2.0%

11 10

9

2017

Wildfires

Accounts for damage caused by fire,

smoke, ash, odor and burn.

(derechos), including debris.

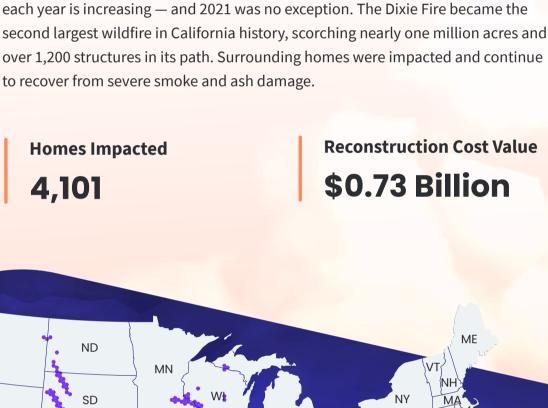
WA

NM

\$1.46B in Property Damage

Between long-duration dry conditions and extreme heat, the number of wildfires

MT



MO QK _

NE

KS

IN **Severe Weather** \$7.46B in Property Damage

MT ND SD WY NE CO KS OK NM TX

> \$395.39 Billion MN IA

To quantify the value of property of the residential property and do not exposure of single-family and include the property's internal multifamily structures, CoreLogic uses contents. The RCV is structure only; its reconstruction cost value (RCV) damage from an event may cause

100% percent (or "total") destruction Wildfire: Wildfire event estimates include the Caldor Fire from August 14 to October 21 and the Severe Weather (inclusive of tornadoes, hail and straight-line wind): Severe weather event estimates include the southeast tornadoes on March 24 and 25, eastern severe weather on March 27 and 28, Texas hail storms from April 12 to 15, Texas and Oklahoma severe weather on April 27 weather from August 10 to 13, and Kentucky tornado on December 10.

2021 Climate Change

WA MŢ OR ID WY NV UT CA

ΑZ Natural catastrophes often leave communities with significant long-term impacts. A significant portion of the population may not This can leave the area with less human capital available to sustain its local economy. In addition, job

creating challenges for insurers in 2022.

DEC 19-MAR 20 -JUN 20 -JUN 20 SEP 20 MAR 20

wait for physical infrastructure to be rebuilt, instead choosing to relocate.

MI

SC FL

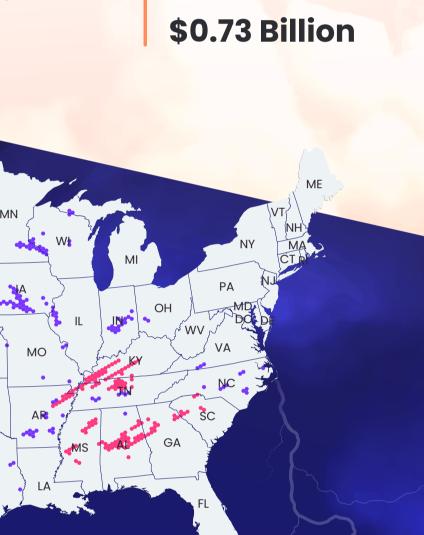
РΑ

VA

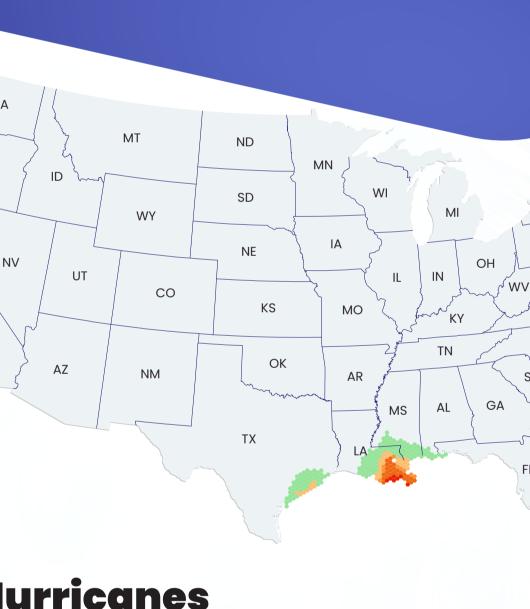
reconstruction costs. This is especially savings rates are low. Recovery after a natural catastrophe can continue long after rebuilding is complete.

DEC 20 -SEP 20 -MAR 21 -**JUN 21 -SEP 21 DEC 20 MAR 21 JUN 21**





Reconstruction Cost Value



РΑ

VA

NC

SC

MD DE

ME

CTRI

PΑ

MD

DC

education programs to encourage proactive hazard mitigation. Methodology

Hurricane: Hurricane event estimate based on Hurricane Ida's landfall wind, surge and flood from

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A closer look at mortgage delinquencies A natural hazard can not only devastate a community but also increase its mortgage delinquency rate to historic levels. In August, the mortgage delinquency rate in the Houma metro area of Louisiana stood at 7.4%. After Hurricane Ida made landfall on August 29, delinquencies nearly doubled to a rate of 13.3% in September, and up to 13.5% in October. WA MT ND OR ID WI SD MI WY NV OH UT IL IN CA Wall and ceiling insulation, higher window standards and the minimization of pipe exposure through insulation and reduction of piping in exterior walls, are all factors for producing more resilient homes. To their detriment, not all homes in the affected region of the 2021 Central U.S. freeze met these guidelines. **Reconstruction Cost Value Homes Impacted** 12,764,941 \$2.27 Trillion Modern insurance and mortgage solutions can have significant value when it comes to addressing the increase in climate change-induced hazard events and their impact on the real estate economy. Nearly every property in the U.S. has exposure to hazard risk, and the effects of a catastrophic event can result in an unstable economy with high levels of unemployment and mortgage delinquency. Resilience can be

Local, state and federal governments that enact policies that are informed by the latest research on natural catastrophes and their nuanced impacts on a local environment.

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