

Houston Economic Outlook

Patrick Jankowski



GREATER HOUSTON
PARTNERSHIP

Making Houston Greater.



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DISASTER RECOVERY RESOURCES

As Houston region businesses begin the process of cleanup following Hurricane Harvey and the extensive flooding caused by the storm, the Greater Houston Partnership will provide and update this list of disaster recovery resources. The Partnership recognizes the importance of clear, timely information regarding the availability of resources for regional businesses and employees. We hope this information will help you identify resources that address your business needs, but please feel free to let us know what other information may be useful to you.

Those wishing to donate to Hurricane Harvey relief efforts should consider the United Way Relief Fund or the Hurricane Harvey Relief Fund established by Mayor Sylvester Turner and Harris County Judge Ed Emmett.

[Donate to United Way](#)

[Donate to Greater Houston Harvey Relief](#)

REGIONAL RESOURCES:

ADDITIONAL RESOURCES

[Houston 311](#)

[Non-Emergency Outages in City of Houston for Water, Sewer and Gas](#)

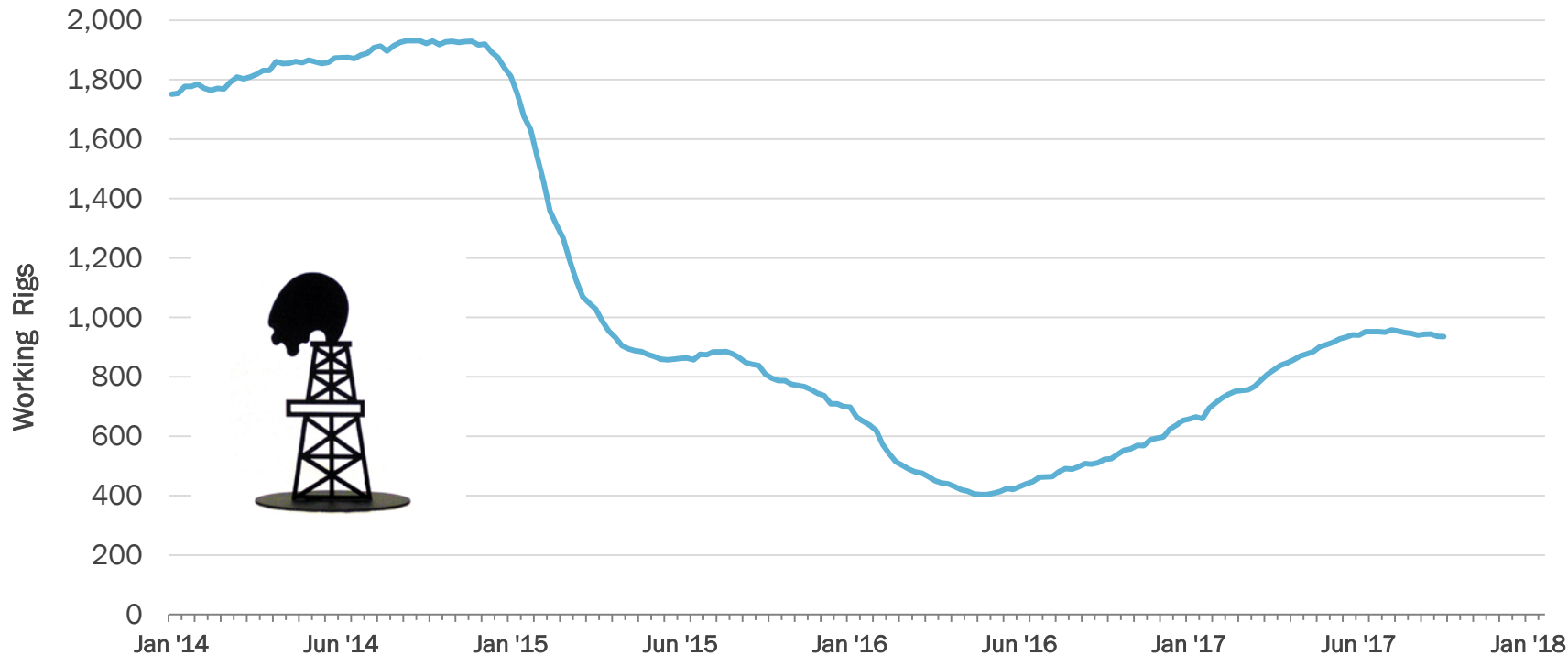
[ROAD CONDITIONS](#)

Tweets by @GHPartnership

Houston Partnership @GHPartnership
We will discuss all things "Getting Back to Business" post Hurricane #Harvey tomorrow.



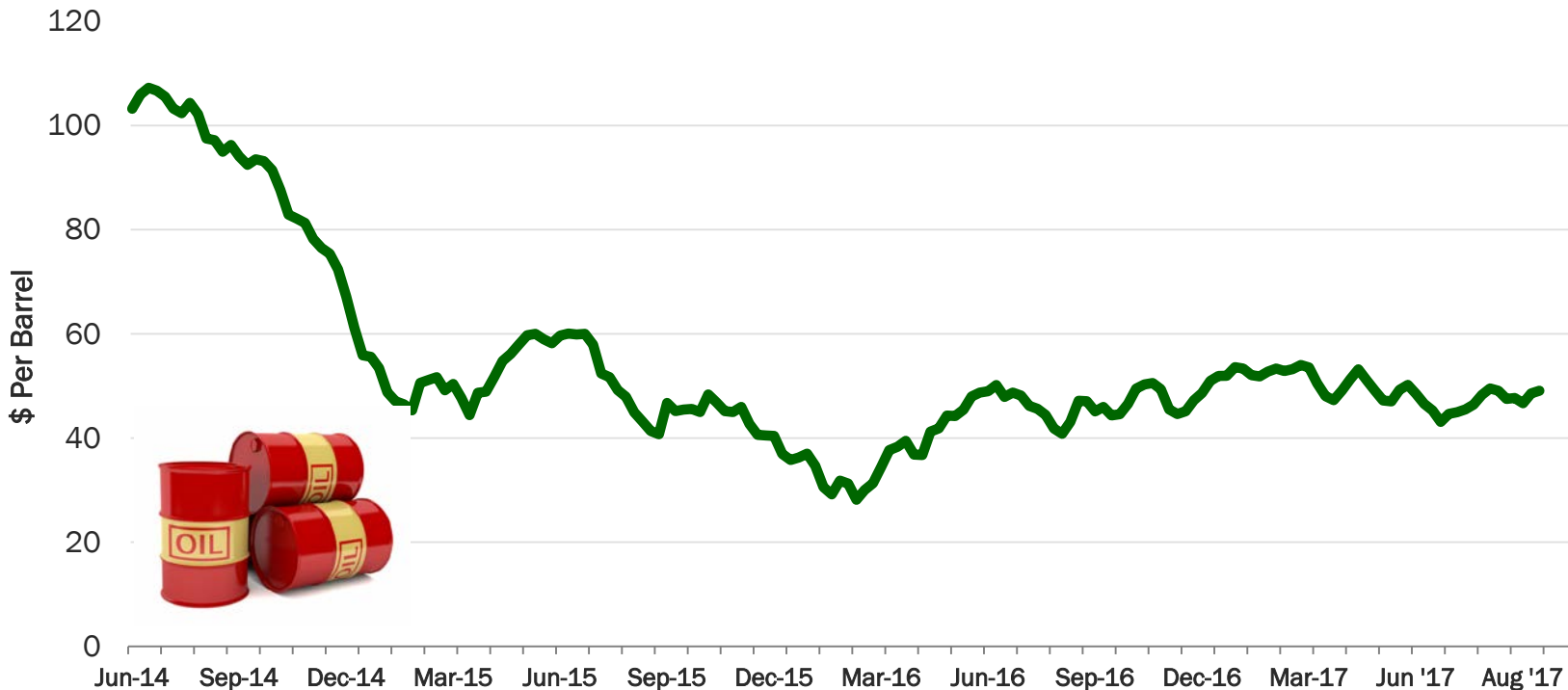
U.S. Rig Count



Source: Baker Hughes



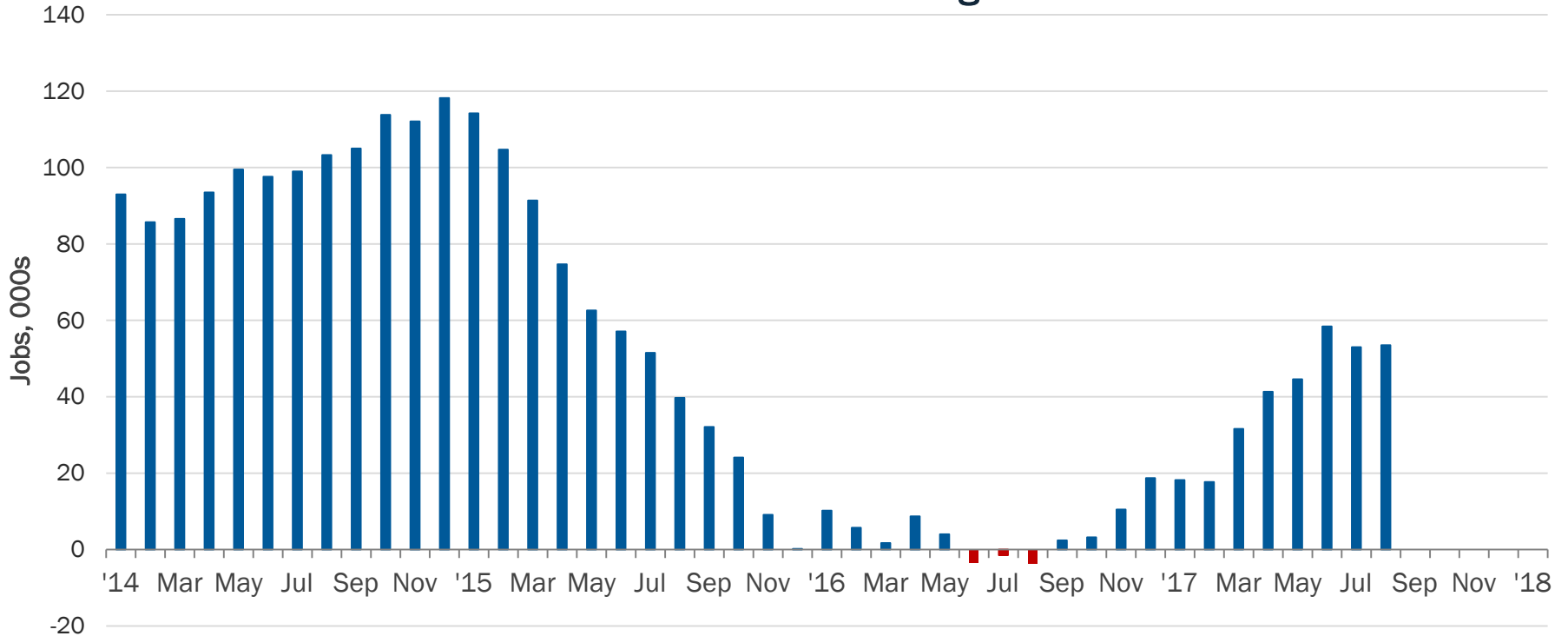
NYMEX WTI Average Weekly Spot Price



Source: U.S. Energy Information Administration

Regional Employment, Net Change

12-Month Running Totals





Purchasing Managers Index

Above 50 = Expansion, Below 50 = Contraction

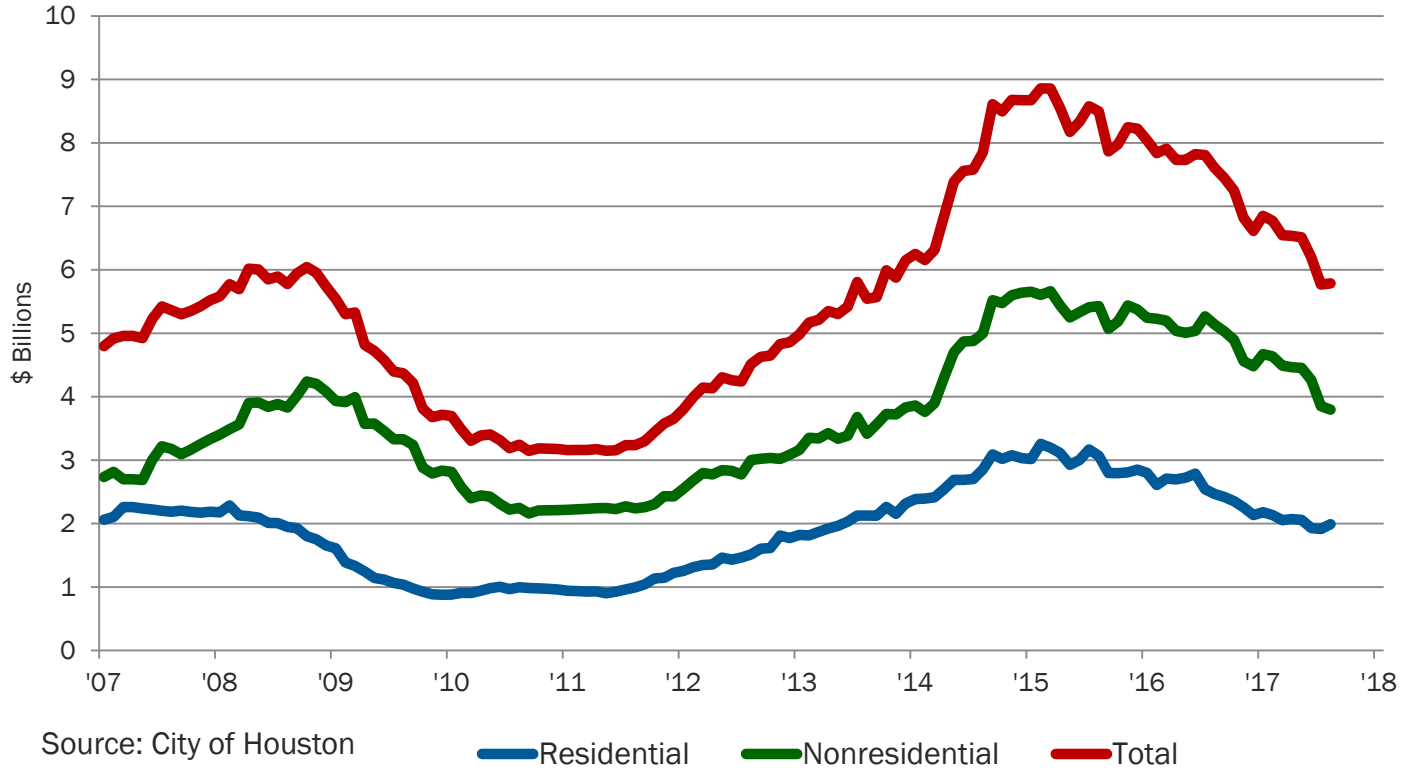


Source: Institute for Supply Management- Houston



City of Houston Building Permits

12-Month Total



Source: City of Houston

— Residential — Nonresidential — Total



Then Hurricane Harvey Hit



Pinwheel vs. Waterwheel





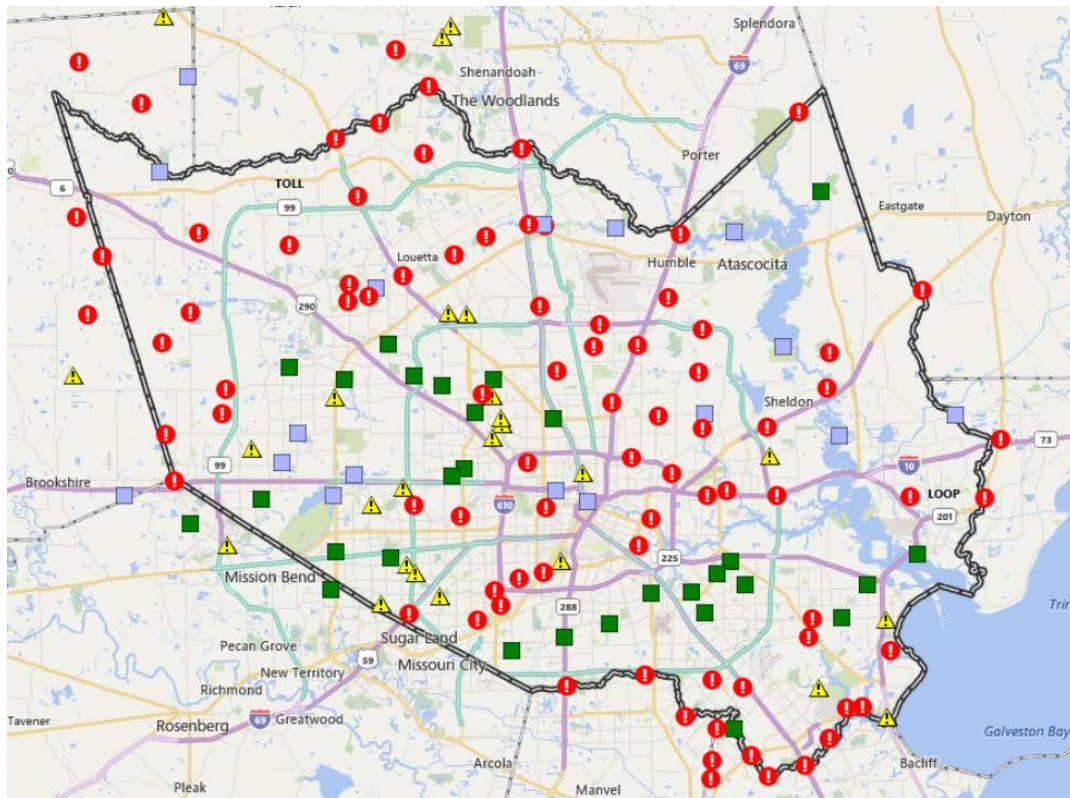
Harvey Rainfall Summary - Inches

Cedar Bayou	51.9
Beaumont/Port Arthur	47.4
Pasadena	45.7
Friendswood	44.1
First Colony	36.3
Baytown	35.6
Bush Intercontinental	31.3
Galveston	22.8
Victoria	15.6
Corpus Christi	6.2

Source: National Oceanic and
Atmospheric Administration



Rain Event vs. Wind Event



- Channel Status not Defined
- Water in Bank
- Near Top of Bank
- Out of Bank

Hurricane Impacts

Hurricane/Storm	Economic Losses - \$ Billions			Deaths
	Total	Property	Output	
Katrina	174.5	143.6	30.9	1,836
Harvey	97.0	87.0	10.0	70
Sandy	73.0	46.8	26.2	71
Irma	70.5	56.5	14.0	30
Andrew	60.5	45.9	14.6	23

Source: Moody's Analytics



➤ Rescues/Evacuations

- ▶ People: 122,331
- ▶ Pets/Animals: 5,249

➤ Shelter Population

- ▶ 34,575 at peak

➤ Death toll

- ▶ 36 in Harris County



- ▶ 50% areas that flooded in Harris County were outside 100- and 500-year floodplains





➤ Significant

- ▶ Single-family: 103,500
- ▶ Multi-family: 13,200

➤ Minor

- ▶ Single-family 66,000
- ▶ Multi-family: TBD





- ▶ Vehicles flooded
 - ▶ 300,000





Requests for FEMA Aid

County	Registrations
Austin	446
Brazoria	33,494
Chambers	5,192
Fort Bend	48,358
Galveston	37,303
Harris	360,573
Liberty	8,323
Montgomery	14,082
Waller	1,522
Metro Houston	509,293

- 20 refineries, 25% of U.S. capacity
- 50% U.S. olefin capacity
- 13 Texas Gulf Coast ports
- Bush, Hobby Airports



Hurricane Ike



Hurricane Harvey





➤ Office

- ▶ CBRE: 40 bldgs, 9 msf (out of 1,200 bldgs, 214 msf)
- ▶ NAI: 60 bldgs along Buffalo Bayou



Purchasing Managers Index

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Source: Institute for Supply Management- Houston



August Home Sales

CATEGORIES	AUGUST 2016	AUGUST 2017	CHANGE
Total Sales	9,335	7,077	-24.2%
Total Volume	\$2,562,458,783	\$1,993,970,105	-22.2%
Single-Family Sales	7,927	5,917	-25.4%
Single-Family Average Price	\$288,920	\$296,418	2.6%
Single-Family Median Price	\$225,000	\$231,700	3.0%

Source: Houston Association of Realtors



Pause, not rewind.



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➤ One-in-ten workers impacted





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- Significant job losses in September
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-
-
-



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-
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- **Impact on energy prices beginning to fade**
-
-



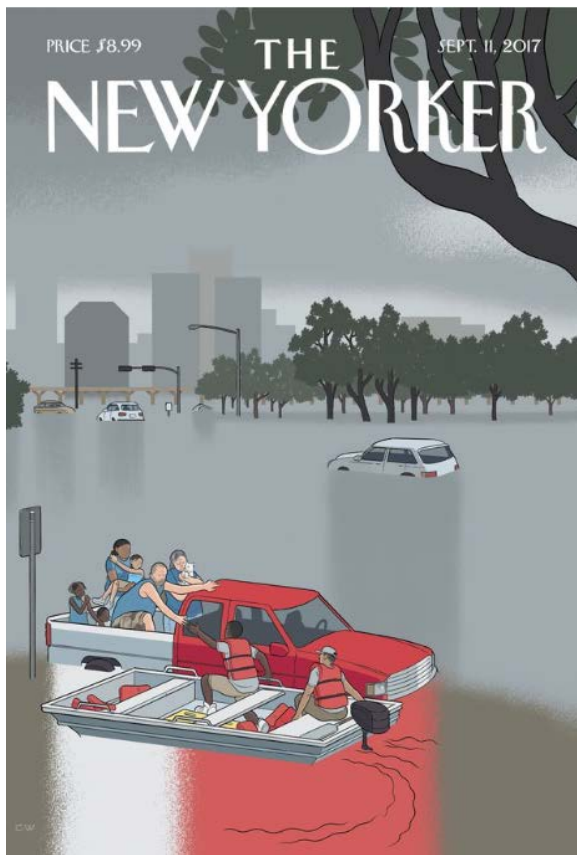
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- Long-term impact on real estate TBD
- **No significant impact on business infrastructure**



“... singled out moments of grace as inspiration for this week’s cover...”

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