

# Campus Safety

## CONFERENCE 2019

Making Campuses Safer — TOGETHER

## How the University of Texas at Austin Maximized the Effectiveness of Its Emergency Notification System

Jonathan Robb  
Director

The University of Texas at Austin  
Office of Emergency Preparedness

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# Campus Safety

## CONFERENCE 2019

Making Campuses Safer — TOGETHER

## Video Surveillance and IoT

Campuses Made Safer Through  
Intelligent Infrastructure

Erez Sharoni  
National Manager  
Pivot3



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# Housekeeping

- Cellphones on vibrate or silent
- Access to the presentation
- Q&A Session at end
- Evaluations
- Social Media



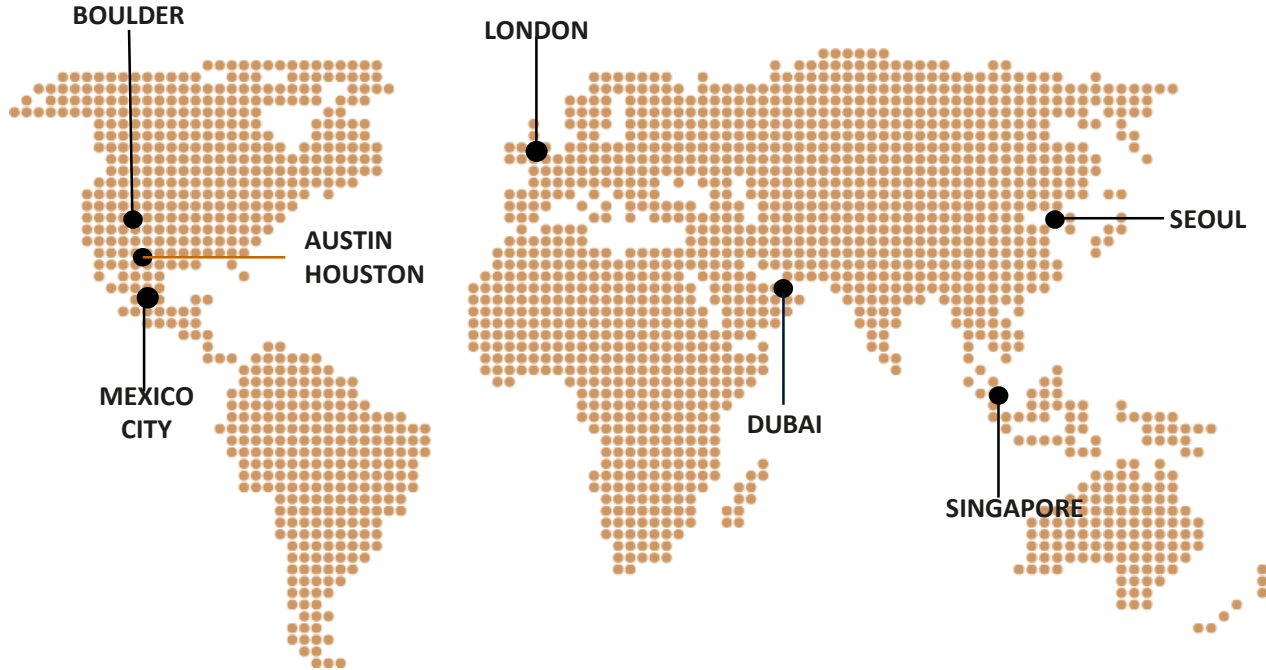
@CampusSafetyMag

@SharoniErez

#CSC19

#MakingCampusesSaferTOGETHER

# About Pivot3



- Austin, TX Headquarters
- 2,400+ Customers
- 18,000+ Systems
- 54 Countries
- Privately Owned
- Financially Responsible



## Customers

20K+ mission-critical deployments in 64 Countries, with two of the largest HCI installments in the world



## Technology

Innovative architecture designed to handle the write-intensive requirements of video surveillance and support multiple, mixed IoT and datacenter workloads



## Partnerships

Global ecosystem of video surveillance, physical security, smart city and IoT technology partners, VARs, resellers, distributors, and solution providers

IOT IS NATURAL EXTENSION OF PIVOT3'S EXPERTISE







### Challenge:

- Improve campus safety to protect students, faculty and staff
- Protect first responders during active shooter situations
- Integrate video surveillance, access control, and intrusion systems

### Solution:

- Collaboration between IT, Public Safety and Emergency Management
- Eliminated complexity of managing 58 standalone servers, 12,000 access points, and wide variety of DVRs with one centralized, enterprise-class infrastructure that supports 3PBs of video storage and improves access to video

## Business Results

- **Safer Campus:** Real-time access to video from a centralized monitoring facility
- **Reduced Environmental Complexity:** Consolidated servers, storage, and client workstations
- **Resiliency:** Always available for video forensics
- **Safety of First Responders:** Ability to deliver situational awareness

What's the bottom line?

Creating a  
Safer Campus







## Challenge:

- Legacy-based video system was complex to manage
- Video data is mission-critical and must be protected
- Forensic efforts rely on easily accessible video footage

## Solution:

- Pivot3's hyperconverged infrastructure (HCI) solution optimized for demanding, data-intensive video surveillance workloads.



## Business Results

- **Safety:** Comprehensive video data protection
- **Always Available:** Highly resilient system
- **Forensics:** Availability of data for investigative purposes
- **Grow with Needs:** Ease of scalability as video retention increases
- **Cost Savings:** Decreased total cost of ownership

What's the bottom line?

Richardson Secures  
Over 50 Campuses  
and 70 Facilities





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LEADERS IN INFRASTRUCTURE FOR  
CRITICAL VIDEO SURVEILLANCE

**Eliminate**

Downtime & Data Loss

**Maximize**

Performance & Scalability



## Reminders

- Access to the presentation
- Evaluations
- Social Media

## Contact Info

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## About Me

- Emergency Manager for The University of Texas at Austin
- B.S. in Business Management/Emergency Management from The University of Findlay
- MPS in Emergency & Disaster Management from Georgetown University
- Professional Firefighter for the City of Findlay, Ohio



# About this Session

## Session Takeaways

- Hear best practices for campuses to keep people safe and operations run effective should an emergency occurred
- Discuss how emergency notification can make higher education institutes safer during special events and day-to-day
- Think Outside the Box
- Discuss better methods for collaborating between your emergency notification and other systems

# Background

## The University of Texas at Austin

Founded 1883

51,832 Students

34,691 Faculty/Staff

431 acres in Austin, TX





## Fun Facts

**130** – Olympic medals won by UT Austin student-athletes

**786** U.S. and international patents issued in the past 10 years

**UT Professor** – Co-inventor of the lithium-ion battery



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21,000 OFFICES IN AMERICA. CABLE SERVICE TO ALL THE WORLD.

THOS. T. ECKERT, President and General Manager.

Receiver's No.	Time Filled	Check
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**SEND** the following message subject to the terms on back hereof, which are hereby agreed to.

SEPTEMBER 12, 1900

To *Pres. Rafter - Galveston.*

*The University of Texas  
stops for no storm.*



*B. Bryan*

READ THE NOTICE AND AGREEMENT ON BACK



A word cloud of emergency-related terms. The word 'emergency' is the largest and most prominent. Other words include: chemical, bioterrorism, pandemic, active, tsunamis, wildfires, attack, volcanoes, Shooter, nuclear, floods, weather, outage, fire, hurricanes, explosion, landslides, tornadoes, po, outage, looter, thunderstorms, severe, earthquake, and avalanche.





## 2017 UT Commencement

5,000 graduates

20,000 family and guests

200 workers



# LAST 3 HOURS







# Everbridge

UT Safety Alerts

Students auto enrolled

Faculty and Staff must  
enroll themselves



# Emergency Notification

## 3-3-30 Rule

3 short sentences

3 key ideas

30 words or less

# Emergency Notification

## Key ideas

What's going on

What actions to take

When to expect next  
update

# Emergency Notification

## Maximize the system

Desktop pop-up

Display Screens

Email

EOC Activation



# BrightSign®

UTAustinAlert-Criminal Activity with Injury

Today at 2:14 PM



# UPCOMING TEXERCISE CLASSES

START	CLASS	STUDIO	AVAILABILITY
STARTED	POWER PILATES	GRE S	28 OPEN SPOTS
1:15 PM	CORE & MORE	GRE S	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

\* PASSES ARE AVAILABLE 30 MINUTES PRIOR TO THE START OF CLASS. PICK UP A PASS AT FRONT DESK OF THE FACILITY.

FOR FULL GROUP EXERCISE SCHEDULE  
VISIT [UTRECSports.org/TEXERCISE](http://UTRECSports.org/TEXERCISE)

@TEXASRECSports

THANK YOU to all who donated to this year's UT Sport Clubs Canned Food Drive. Last week, members of @uttexasballroom loaded this @ctxfoodbank truck for the final food pick up. Texas Ballroom alone donated 16,546.45 o



FOLLOW US: [f /UTRECSports](https://www.facebook.com/UTRECSports) [@UTRECSports](https://www.instagram.com/UTRECSports) [@TEXASRECSports](https://www.tiktok.com/@UTRECSports)

Nominate an outstanding staff member in the Division of Student Affairs for the  
**19th Annual Texas Parents Staff Merit Award**

Nominations due  
December 8. Visit  
[TexasParents.org](http://TexasParents.org)

TEXAS PARENTS ASSOCIATION



recSPORTS

-- WELCOME TO GREGORY GYM -- WELCOME TO GREGORY GYM -- WELCOM

12:05:17 PM

**UTAUSTIN TEST MESSAGE**

**THURSDAY - 2/16/17 4:17PM**

---

**THIS IS A TEST MESSAGE OF THE REC SPORTS INFORMATION SCREEN**

---

EMERGENCY INFORMATION: 512-232-9999 - UNIVERSITY POLICE: 911 - EMERGENCY.UTEXAS.EDU

**recSPORTS**

**GET CYCLING CLASSES FREE! -- GET YOUR TEXERCISE PASS BEFORE THE END**

**3:51:42PM**

#CSC19

30



# Emergency Notification

Goal to provide  
emergency notification  
for special events





# LAST 3 HOURS



A graduate in a black gown and cap is walking on a wet street during a rainy commencement ceremony. In the background, other people are walking, some with umbrellas, and a large building with a tower is visible. The scene is set outdoors on a paved area with a crosswalk.

Sign up for  
Commencement Alerts!  
Text #UTGRAD17 to 888-  
777



# Emergency Notification

2 different groups and communication avenues

Staff

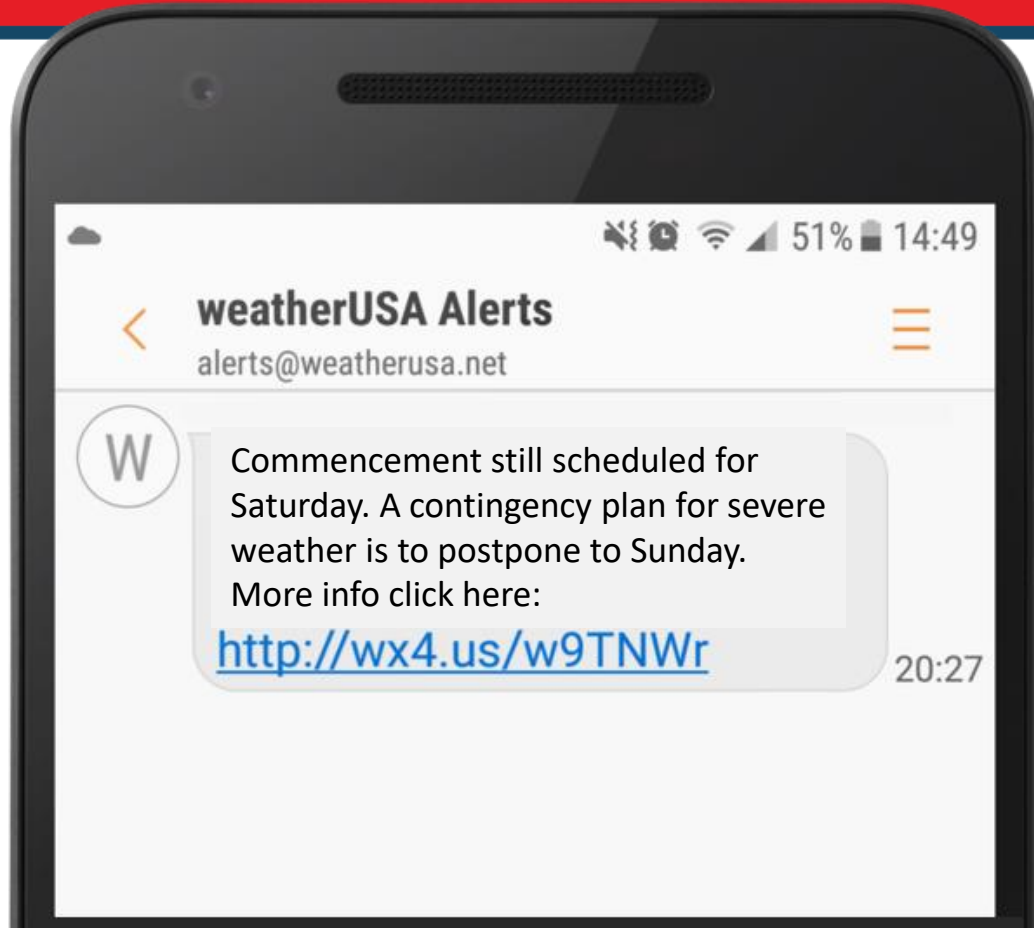
Text group

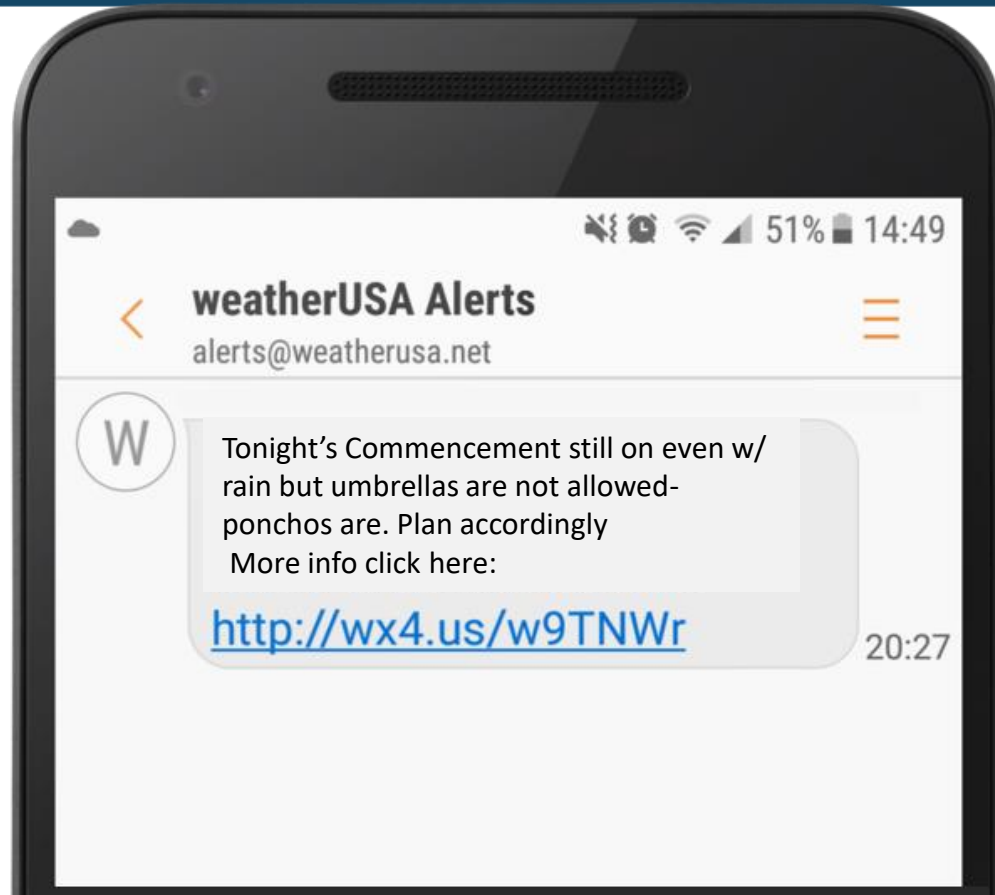
Commencement Guests

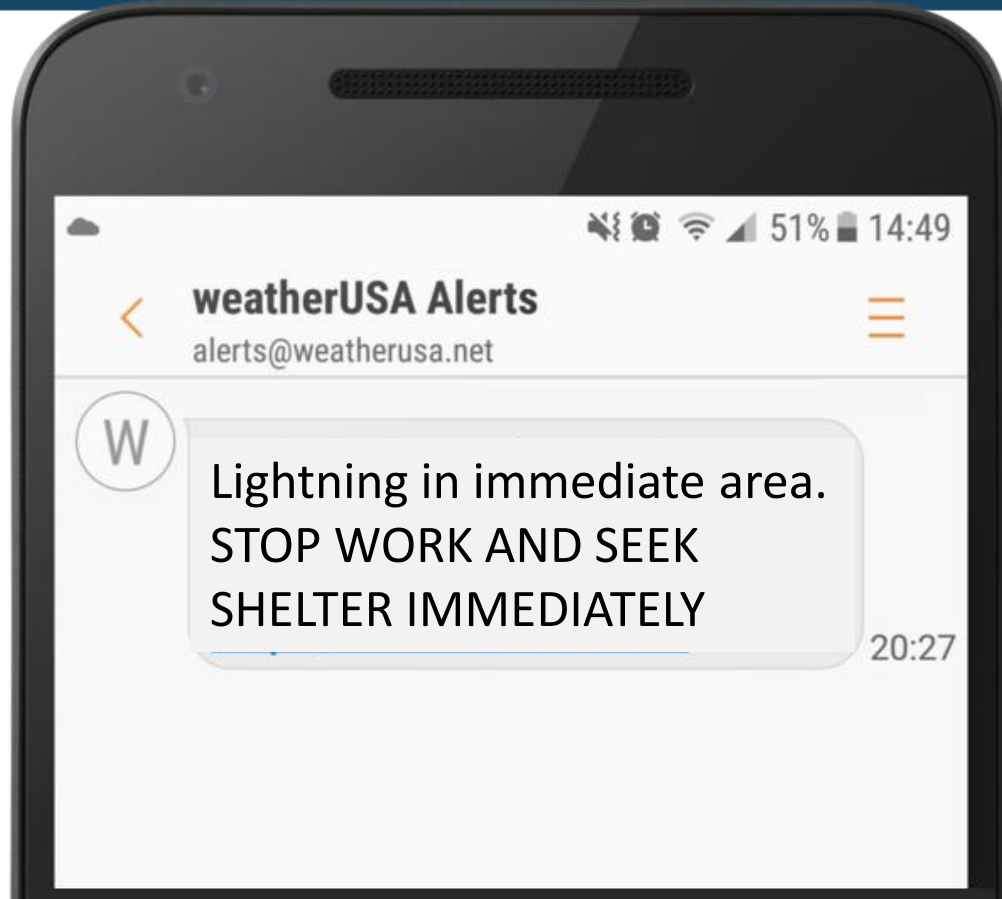
Nixle Keyword



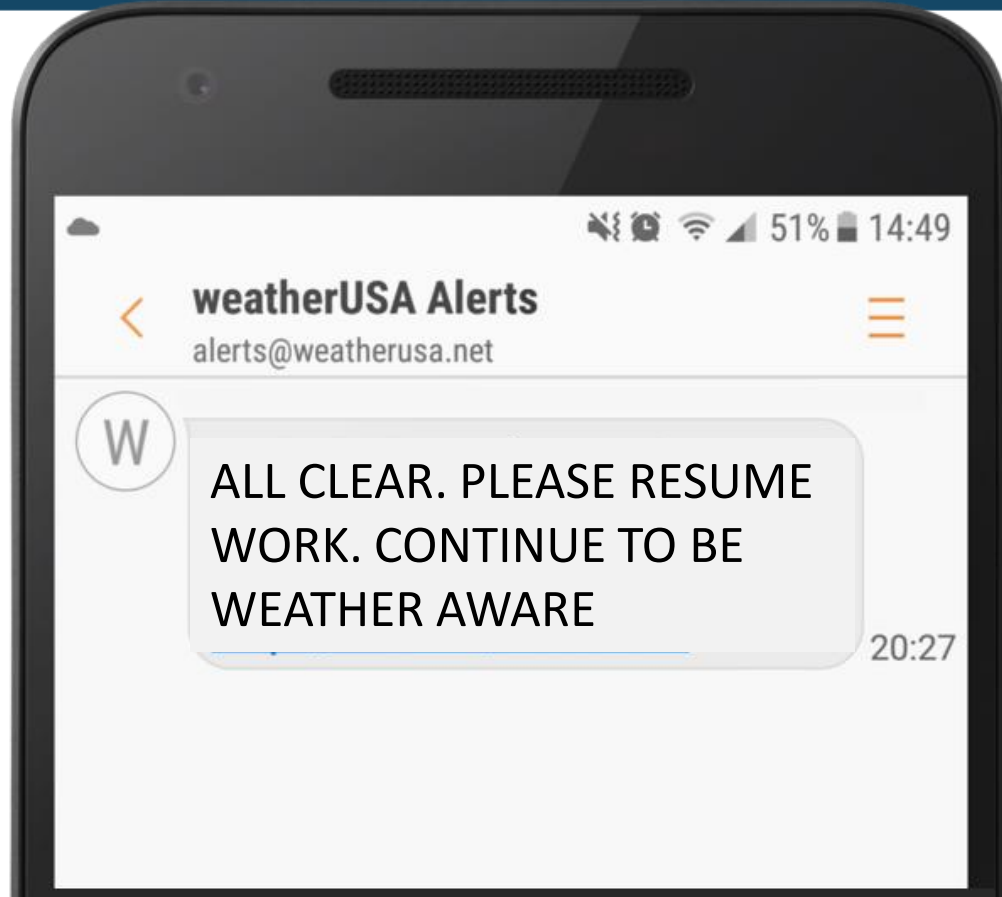
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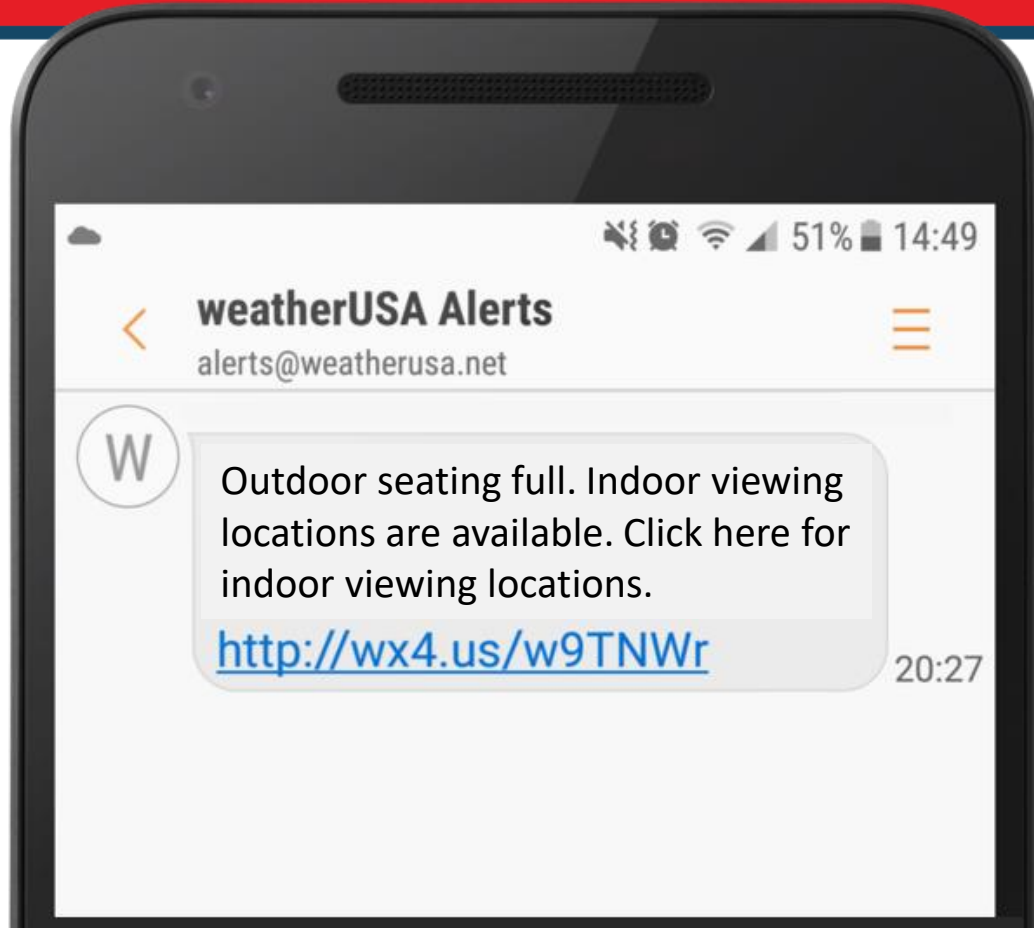


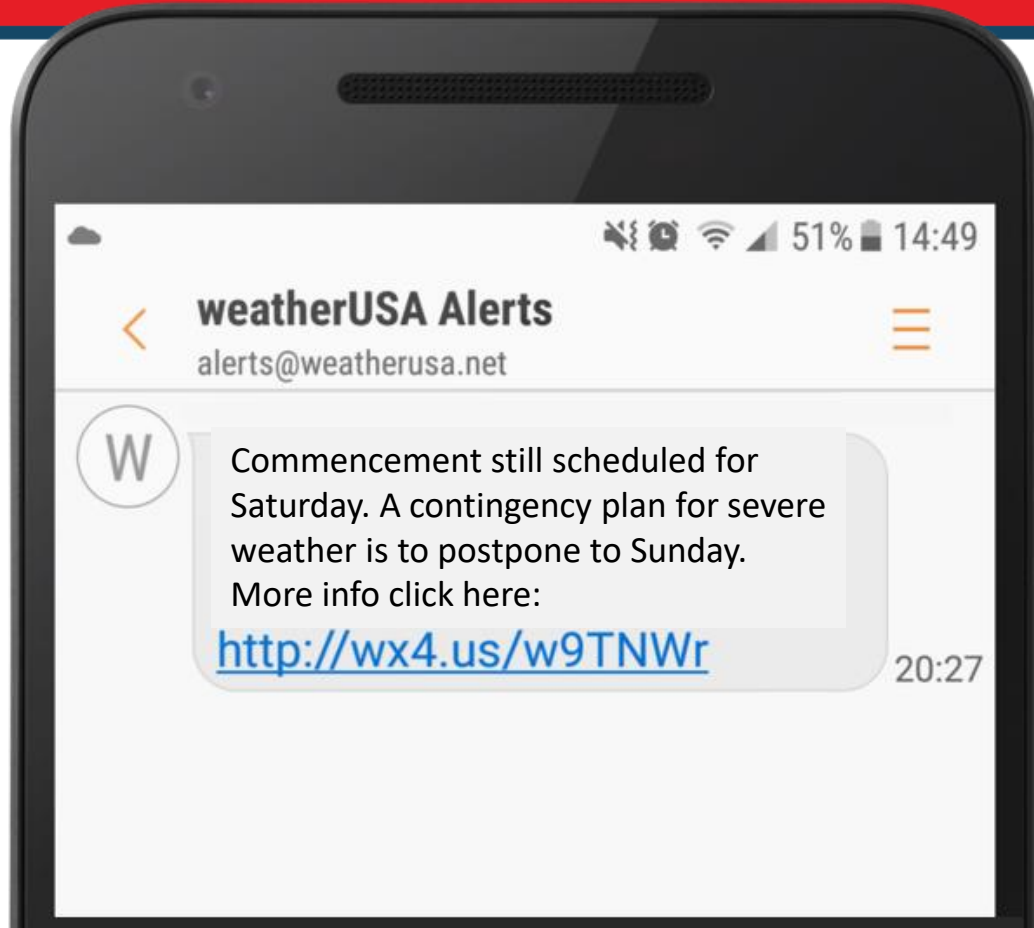


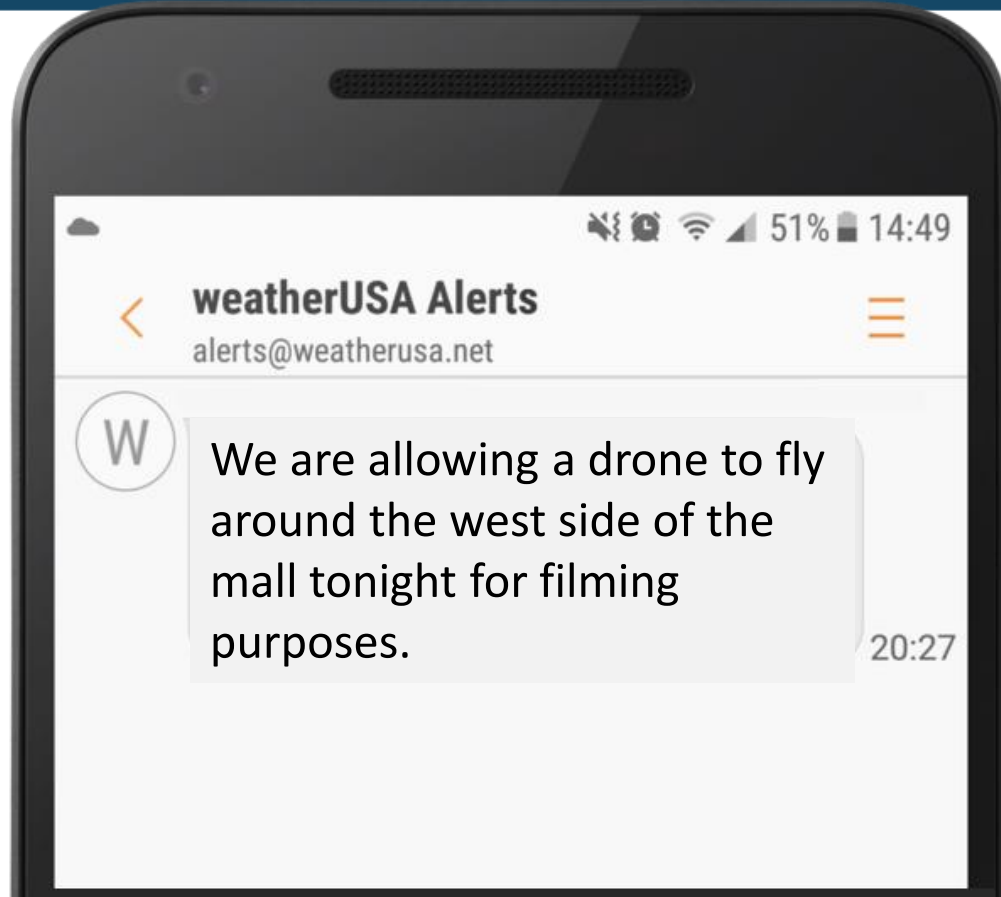












# Emergency Notification

## Utilized for

Shelter-in-Place

Event updates

Timely information to mitigate fears

# Emergency Notification

## Future Use

Parking Updates

Traffic Updates and alternate routes

Event Reminders

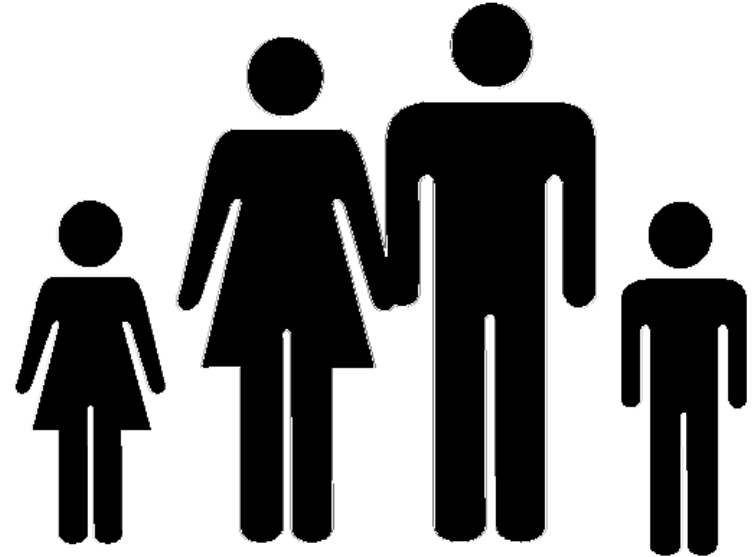
# Emergency Notification

## Campus Use

Daily Guests

Camps

Family Reunification



# Lessons Learned

Advertise

The sky is the limit

Let your university know what you do

Always think outside the box



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