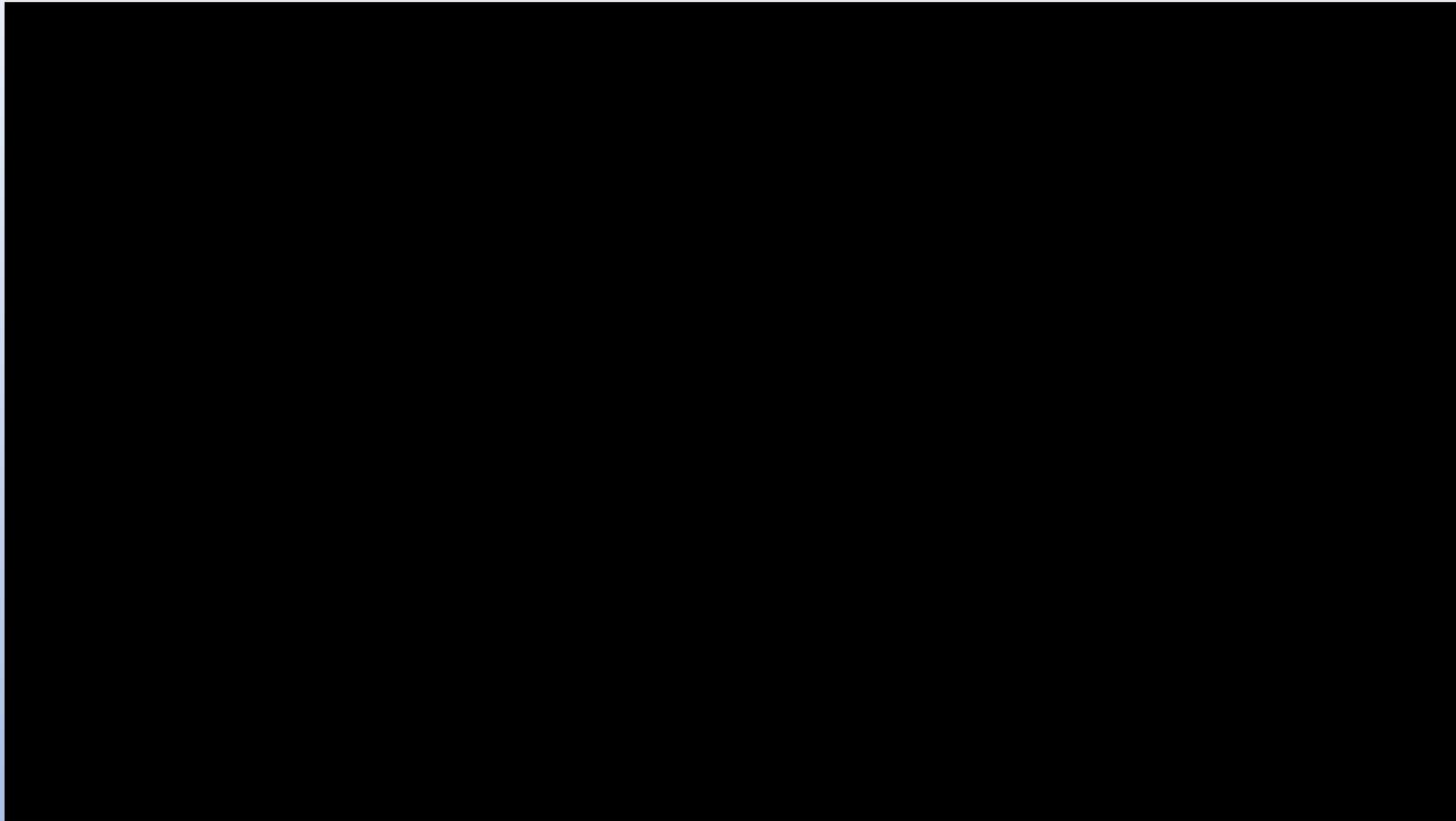


May 7, 2019



**Danielle Hughes**  
Capital Program Manager



**Tahoe Transportation**  
DISTRICT



**Michael Schwartz**  
Fire Chief



# Is Tahoe Paradise?

Michael Schwartz, Fire Chief  
North Tahoe Fire Protection District



Photo Courtesy Associated Press



Photo Courtesy Hillary Gutierrez

*Lessons Learned From A Bi-State  
Wildfire and Public Evacuation Drill*

# California Races To Predict Which Town Could Be Next To Burn

Wednesday, April 10, 2019

By Associated Press



CREDIT: ASSOCIATED PRESS

Kings Beach: Tourists seek fun, bring fire danger

Population (2010) – 3,796 ‘ In Very High Fire Hazard Severity Zone –3,796

Situated on the pristine north shore of Lake Tahoe, Kings Beach is one of the most heavily visited vacation spots in Northern California.

That’s a big part of the problem.

Because so much of the population comes and goes, it becomes harder to get people to treat wildfire risk with the respect it deserves, said Erin Holland, a spokeswoman for the North Tahoe Fire Protection District. One of the district’s six stations is in Kings Beach.

“It is definitely a challenge because we have so many homes that are vacation homes,” she said. “It’s really a challenge to educate those visitors . They want to have a camp fire.”

Tahoe’s vulnerability to major fires was brought home dramatically in recent years. The Angora

# ARE YOU READY?

ROUTES

SAFE ZONES

SHELTER





# BI-STATE EVACUATION DRILL



**MAY 19, 2018**





Over 17 Agencies

1,531 People Participated





***This exercise was the first time in the US that commercial drones conducted simultaneous operations with manned emergency aircraft in the same airspace, during a real time scenario.***





## *By the Numbers*



13,992 residents notified  
1,100 asked to evacuate  
381 notified door to door



483 residents checked in at the  
Evacuation Center



89 Animals checked in  
38 Animals microchipped



# ARE YOU READY?

ROUTES

SAFE ZONES

SHELTER



# EVACUATE WHEN YOU ARE ASKED TO DO SO



[WWW.NTFIRE.NET](http://WWW.NTFIRE.NET)

# EMERGENCY PREPAREDNESS

AND EVACUATION GUIDE



**ALL OUTDOOR FIRES  
PROHIBITED DURING  
FIRE SEASON**

FOR MORE INFO, CONTACT YOUR FIRE DEPT.

BROUGHT TO YOU BY:  
NORTH TAHOE FIRE PROTECTION DISTRICT  
MEEKS BAY FIRE PROTECTION DISTRICT

FUNDING PROVIDED BY:  
CAL FIRE GRANT





# DISASTER PREP



**KEEP COPIES OF  
IMPORTANT PAPERS**



**HAVE A  
GRAB-AND-GO KIT**



**CLEAR  
YOUR YARD**



**STOCKPILE  
MATERIALS**





**HOW DO YOU MANUALLY CLOSE A  
GARAGE DOOR?**



# NOTIFICATIONS



County of  
El Dorado

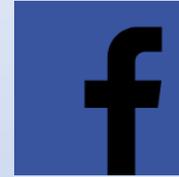
## Alert Notification System

[Sheriff's Home](#)

[Register Your Phone](#)

[County Home](#)

# PlacerAlert



In an Emergency, tune to the EAS Local Primary Stations:

**NTFPD**  
1630AM

**KUNR**  
88.7FM

**KOWL**  
1490AM

**KRLT**  
93.9FM

**KTKE**  
101.5FM

**FOLLOW US** on Facebook at [www.ntfire.net](http://www.ntfire.net) 

**ENROLL IN** Placer County Alert, [www.placer-alert.org/](http://www.placer-alert.org/)

**ENROLL IN** El Dorado County Alert, [www.ready.edso.org/](http://www.ready.edso.org/)

**TUNE IN** for North Tahoe Fire Critical Emergency Information on [1630AM Radio \(WQMS 260\)](#)



# Southern Nevada partnership of NDOT, RTC, NHP, DPS, and the TIM Coalition

- **12-minute reduction** in incident response times
- Multiple data sources to improve detection, notification and verification
- Real-time sharing of incident information across multiple agencies and to the public
- Substantial reduction in secondary crashes
- Identifies potential problem areas



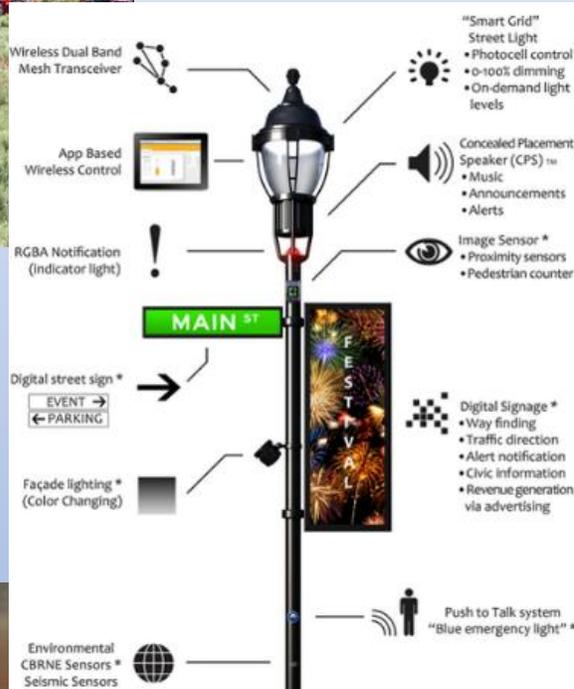
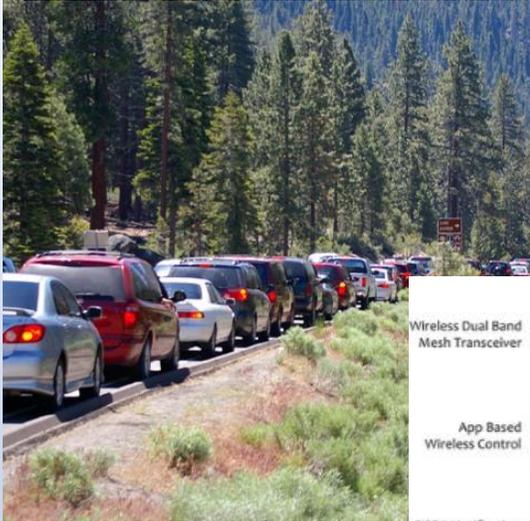
Las Vegas 2017 mass-casualty event

# End Warnings and Communications



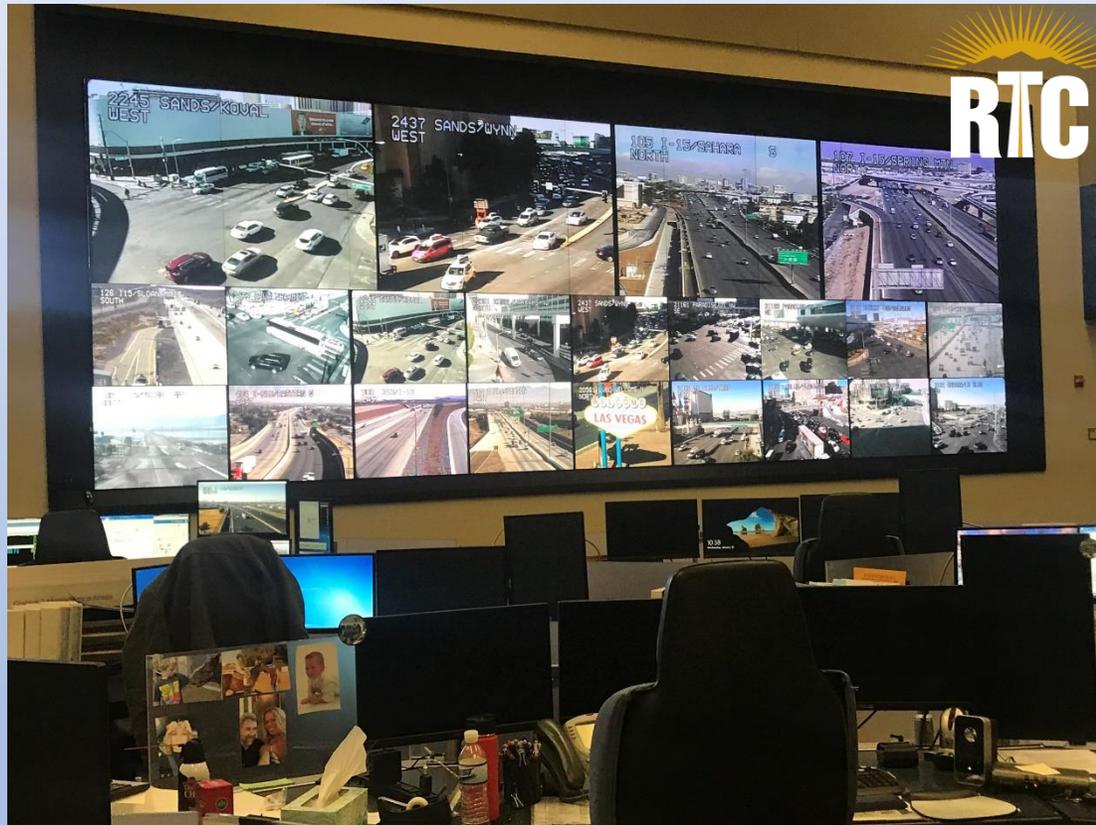
- Partnerships to leverage resources, infrastructure, and data
- Build off of recent successes and lessons learned
- Integration with telecommunication, traffic management systems, and public warning and response systems

# Interoperability and End Warnings System



- Improved response time and coordination
- Faster information to the residents and visitor
- Decreased accidents due to reduced traffic congestion and fewer secondary incidents
- Decreased vehicle hours travelled due to reduced traffic congestion
- Increased vehicle fuel efficiencies due to better management of system
- Decreased need for roadway capital improvements due to more efficient traffic management
- More data driven planning and decision making

# Regional Traffic Management Center and Dispatch



The Freeway and Arterial System of Transportation (FAST) is one of the first truly integrated Intelligent Transportation System (ITS) organizations in the country.



Red River Regional Dispatch is the first in the nation to cross state lines working under a Joint Powers Agreement (JPA) servicing all law enforcement, fire, and medical response..

TAHOE TRANSPORTATION DISTRICT  
RESOLUTION NO. 2017-007

**A RESOLUTION ADOPTING THE LINKING TAHOE LAKE TAHOE TRANSIT MASTER PLAN AND RELATED COMMITMENTS**

WHEREAS, the Tahoe Transportation District (TTD) was created as a bi-state special district by the states of California and Nevada and ratified by Congress in Article XI of Public Law (PL) 96-551 in 1980; and

WHEREAS, TTD is granted authorities to own, operate, and implement public transit and make transportation system improvements to the transportation network serving and connecting Lake Tahoe communities to each other and inter-regionally; and

WHEREAS, TTD and the Tahoe Regional Planning Agency (TRPA) also authorized by PL 96-551 to ensure transportation is integrated with land use and environmental carrying capacity threshold goals, work together to ensure that the transportation network serving the region is planned for and acted as a whole rather than disparate parts; and

WHEREAS, TTD has led and developed implementation plans to support TRPA's Regional Transportation Plan; and

WHEREAS, TTD has prepared the Linking Tahoe Lake Tahoe Transit Master Plan (TMP) as a long-term, twenty-year implementation plan to guide the development of transit services and multi-modal supporting infrastructure to reduce vehicle trips impacting Tahoe's traffic, environment, and quality of life and user experience; and

WHEREAS, TTD has held as part of the public process in developing the TMP a thirty day public comment period on the plan which is now closed.

**NOW, THEREFORE, BE IT RESOLVED** that the TTD Board of Directors hereby adopts the Linking Tahoe Lake Tahoe Transit Masterplan as a TTD document with the following declarations:

- A. The transit mode split target for ridership will be twenty percent within twenty years.
- B. Public parking must be improved through the pursuit of Mobility Hub development for vehicle destination capture and mobility access by visitors and residents.
- C. Develop a Tahoe Region Traffic Management Center using the latest technological advances to monitor traffic conditions to, from, and within the Tahoe Truckee area, so that information can be shared with the traveling public for the purposes of positively affecting driver choices and improving traffic flow and safety.

# All-Season Passenger Ferry



San Francisco Bay Renewable Energy Electric Vessel with Zero Emissions (SF-BREEZE)



Zero-V hydrogen fuel-cell coastal research vessel



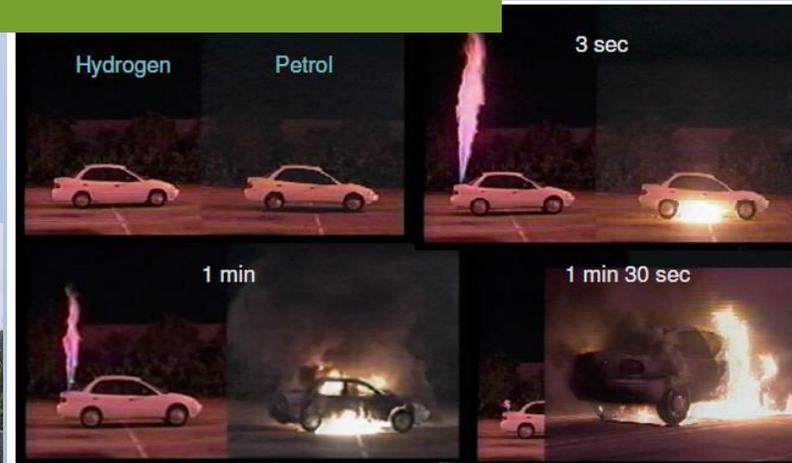
Water-go-Round hydrogen fuel-cell vessel under construction

# All-Season Passenger Ferry



The San Francisco Bay Area Water Emergency Transportation Authority carries over 2.8 million passengers annually utilizing a fleet of 14 high speed passenger-only ferry vessels with coordinated water transit response to regional emergencies.

## Evacuation, Fire Survivability and Disaster Recovery



# Emergency Evacuation Shuttle



*Fire Boats can be used to shuttle evacuees from safety zones to transit centers.*



*September 11, 2001  
500,000 civilians were rescued  
by 125 boats in 8 hours*



Photos Courtesy of  
US Coast Guard/UNSI.org



# Questions??

Danielle Hughes  
dhughes@tahoetransportation.org

Michael Schwartz

