



**SAN MATEO COUNTY**  
**EVACUATION MANAGEMENT PLATFORM**  
**COMMUNITY EVACUATION INTERFACE**

# SAN MATEO COUNTY STANDARDIZED EVACUATION ZONE PROJECT

## ARE WE PREPARED?



8 kilometers  
Camp Fire, Butte County, California, USA  
November 8th, 2018 - Natural colors with IR highlights

Landsat 8 data courtesy of the U.S. Geological Survey  
Processed by Pierre Markuse



# SAN MATEO COUNTY STANDARDIZED EVACUATION ZONE PROJECT

## THE EVACUATION PROJECT

- **IN JANUARY 2018 SAN MATEO COUNTY FIRE CHIEFS ASSOCIATION:**
  - UNANIMOUSLY AGREED TO MOVE FORWARD WITH A COUNTYWIDE EVACUATION PLAN, STANDARDIZING ACROSS THE COUNTY
  - INITIALLY THE IDEA WAS JUST A SET OF ZONES TO BE PRINTED IN A BINDER
  - QUICKLY DETERMINED A REAL-TIME SOLUTION WAS POSSIBLE
  - SUPERVISOR HORSLEY FUNDED THE PROJECT WITH \$75K OF MEASURE K FUNDS TO CREATE THE ZONES AND BUILD THE PLATFORM
  - ZONEHAVEN, THE FIRST REAL TIME EVACUATION MANAGEMENT COMPANY FORMED AND SIGNED AN AGREEMENT TO IMPLEMENT THE IDEA

# SAN MATEO COUNTY STANDARDIZED EVACUATION ZONE PROJECT

## THE CURRENT PROCESS



# SAN MATEO COUNTY STANDARDIZED EVACUATION ZONE PROJECT

## BUILDING A ONE-CLICK PLATFORM

- **THE SOLUTION WE BUILT:**

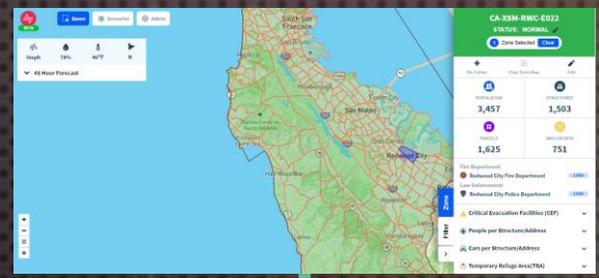
- PLATFORM THAT ALL AGENCIES COULD USE TO COORDINATE EVACUATIONS WITH ALL STAKEHOLDERS
- A SOLUTION THAT WOULD WORK BEYOND SAN MATEO COUNTY
- A REAL-TIME MAP-BASED PLATFORM THAT ALLOWED EVERYONE TO SEE EVACUATION INFORMATION
- A TOOL THAT INTEGRATED WITH PRE-EXISTING INFORMATION CHANNELS
- REDUCE COMPLICATION, REDUCE THE TIME, GET INFORMATION TO THE PUBLIC FASTER
- TOOL MUST BE FULL OF LOCAL KNOWLEDGE
- TOOL MUST BE MADE AVAILABLE TO THE PUBLIC
- TOOL MUST ALLOW FOR MUTUAL AID TO KNOW WHERE EVACUATIONS ARE

# SAN MATEO COUNTY STANDARDIZED EVACUATION ZONE PROJECT

## WHAT IF EVERYONE SAW THE SAME MAP?



EVACUATION ORDERS



Automated

- 911 Dispatch
- Mass Notifications
- Social Media
- First Responders
- Websites
- News Media



# SAN MATEO COUNTY STANDARDIZED EVACUATION ZONE PROJECT

## PLANNING FOR EVACUATIONS

- **HERE'S WHAT WE DID**
  - **BUILT OF 300+ ZONES**
  - **THESE ARE ZONES AND PREPLANS**
  - **MET SEVERAL WITH ALL FIRE AND LAW AGENCIES IN THE COUNTY**
  - **BUILT TOOL THAT ALLOWS FOR LOCAL INFORMATION TO BE INPUT**
  - **COORDINATED WITH OES, PSC AND CAL FIRE**
  - **CREATED A CROSS-DISCIPLINE, INTERAGENCY EVACUATION PLATFORM FOR ALL STAKEHOLDERS TO UTILIZE**



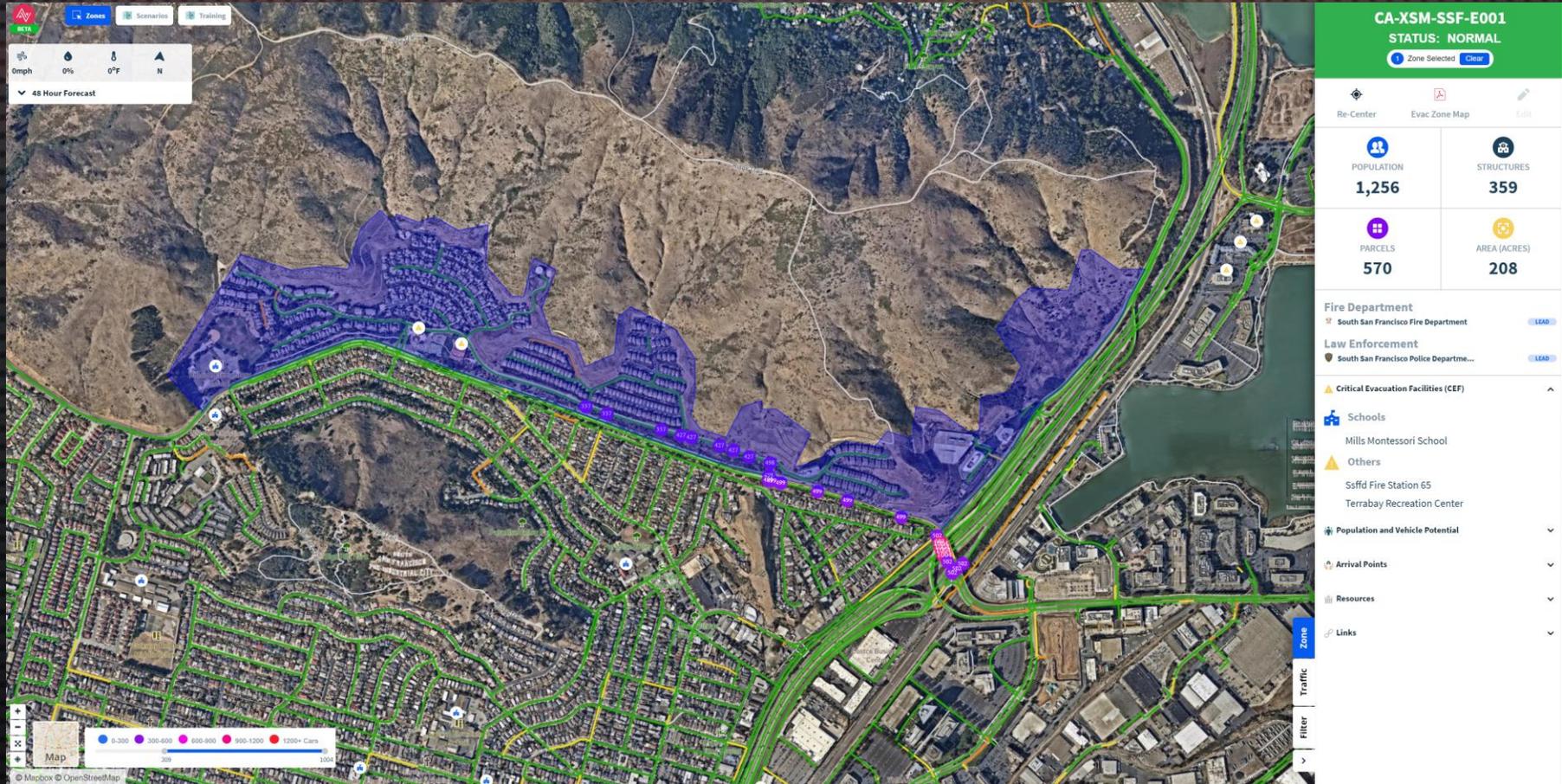
# SAN MATEO COUNTY STANDARDIZED EVACUATION ZONE PROJECT

## THE BUILDING OF THE PLATFORM



# SAN MATEO COUNTY STANDARDIZED EVACUATION ZONE PROJECT

## THE PLATFORM



# SAN MATEO COUNTY STANDARDIZED EVACUATION ZONE PROJECT

## THE PLATFORM

**Pacifica Fire**  
Notch Trail, Pacifica, CA 94044, USA

1 — 2 — 3 — 4  
**Step 2**

**Incident Point**

Simulate New Fire | Use Existing Fire | Use Radius

**Existing Fires**

search

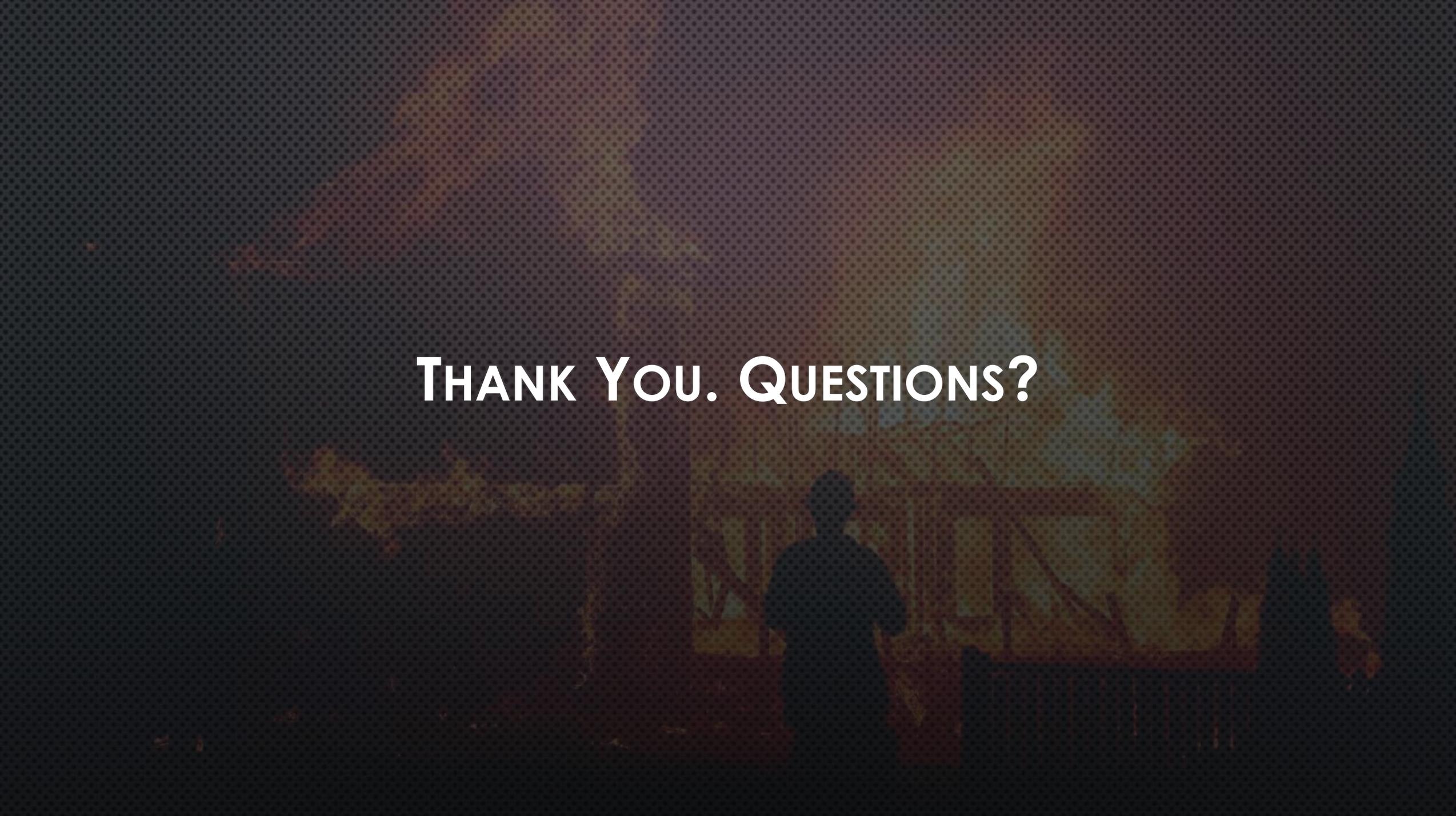
Scenario	Status
<input checked="" type="radio"/> County Jail (incl. bldgs)	Complete
<input type="radio"/> Hidden Canyon Park	Complete
<input type="radio"/> Eaton Park (incl. bldgs)	Complete
<input type="radio"/> Brisbane Commercial Park (incl. bldgs)	Complete
<input type="radio"/> Kenton Ave (incl. bldgs)	Complete
<input type="radio"/> Pilarcitos Lake	Complete

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Mapbox © OpenStreetMap

# OFFICE OF SUSTAINABILITY: OUTREACH AND ENGAGEMENT

- **FIRE AWARENESS AND PREPAREDNESS – THINK FIRE SMC**
- **KNOW YOUR ZONE CAMPAIGN**
- **OTHER CLIMATE IMPACTS: CLIMATE VIEWER WITH COUNTY SPECIFIC ANALYSIS AND PROJECTIONS**



**THANK YOU. QUESTIONS?**