



## Office of Access and Functional Needs

### *"The OAFN Web Map – Integration through innovation"*

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## Presentation Outline

- Introduction
- The Office of Access and Functional Needs (OAFN)
- Integrating AFN into response
- The challenge of time
- Identifying AFN assets and resources
- The California AFN Web Map
- Tour/scenario
- Partnership
- Next steps
- Questions



# Every Disaster is Different



## In All But One Way...



# Cal OES – Office of Access and Functional Needs

In January 2008, the California Governor's Office of Emergency Services established the Office of Access and Functional Needs (OAFN). The purpose of OAFN is to identify the needs of people with disabilities and others with access and functional needs before, during, and after a disaster and to integrate disability needs and resources into emergency management systems.

The OAFN offers guidance to emergency managers and planners, disability and older adult service systems for planning and responding during disasters and recovery.



## 2015 Butte/Valley Fires



# Sheltering



## California State Operations Center (SOC)



# Portable Accessible Showers



# Sheltering



# Remember



## The Power of Water



# How do we integrate AFN into emergency planning?



**Together!**



## The Primary Challenge

- **Time**

- It took too much time to identify which AFN-related assets/resources were needed
- It took too much time to locate where AFN-related assets/resources were
- Once identified and located, it took time to procure/deploy assets/resources



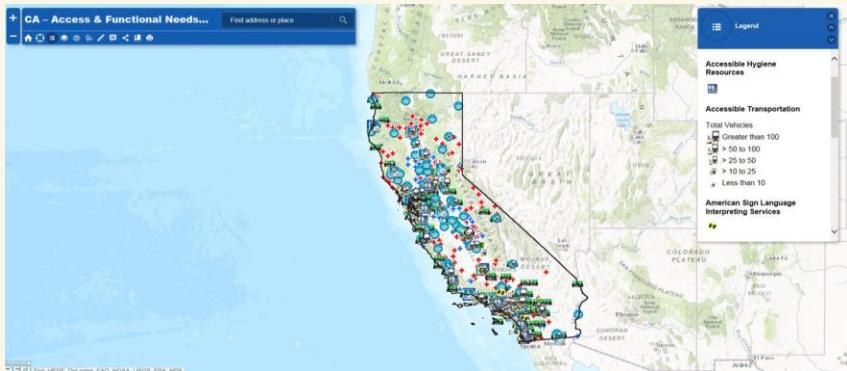
# Continuous Improvement

- **Disaster Response: Key Components**
  - The capability to rapidly identify needed assets/resources
  - The capability to rapidly locate needed assets/resources
  - The capability to rapidly deploy needed assets/resources
  
- **Disaster Response: Key Understandings**
  - Assets/resources are needed before, during and after disasters
  - Assets/resources are limited in number and availability
  - Assets/resources are critical to an effective response and essential to supporting individuals with AFN



## A Better Way

- The California Access and Functional Needs Web Map



# What's the AFN Web Map?

- Think “Google Earth”
  - When I want pizza, I type “Domino’s Pizza”
  - Pins drop showing me all restaurant locations
  - I see what’s close by and evaluate where I want to go based on traffic, neighborhood, etc.
  - Placing my cursor over a pin calls up store address, website, phone number, business hours, etc.
  - All this enables me to make an informed decision
  - All my pizza needs are met



**Now replace “pizza” with  
Access and Functional  
Needs-related assets and  
resources**



## We Started With the Statistics

- Using data from the U.S. Census, we identified the following information for the state of California:
  - Total state population
  - Total number of individuals in CA with a disability
  - Disability type (hearing, vision, cognitive and ambulatory)
  - Ethnicity
  - Language
  - Age



## Identifying AFN “Resources” by Type and Location

- For our purposes, we defined “resources” as the personnel or facilities available for assignment in disaster response

Personnel:

- ASL Interpreting Services
- CERT Programs
- Language Translation Services
- Regional Centers

Facilities:

- California Fairgrounds & Expos
- National Shelter System (American Red Cross)
- National Shelter System (non-ARC)



# Identifying AFN “Assets” by Type and Location

- For our purposes, “assets” refer to equipment or supplies
  - Accessible Hygiene Resources
  - Accessible Transportation
  - Assistive Technology
  - Independent Living Centers



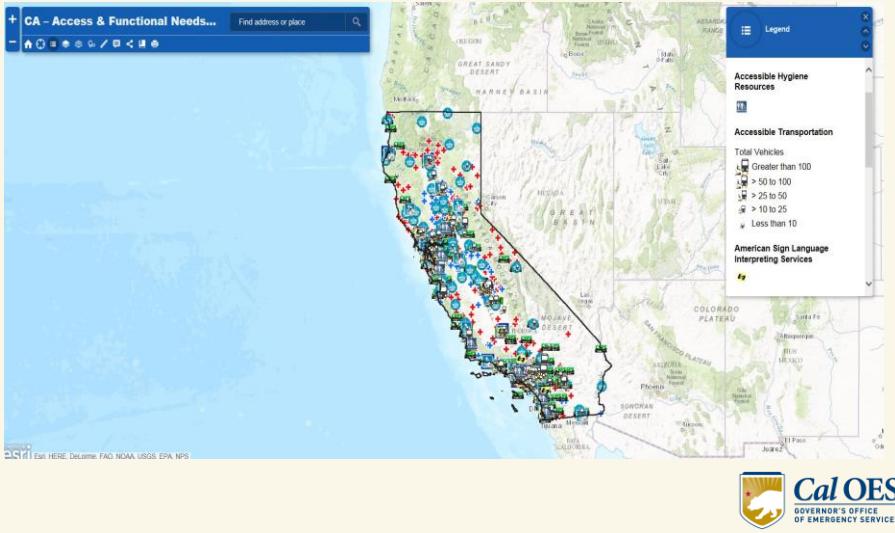
## The California AFN Web Map

### Vision

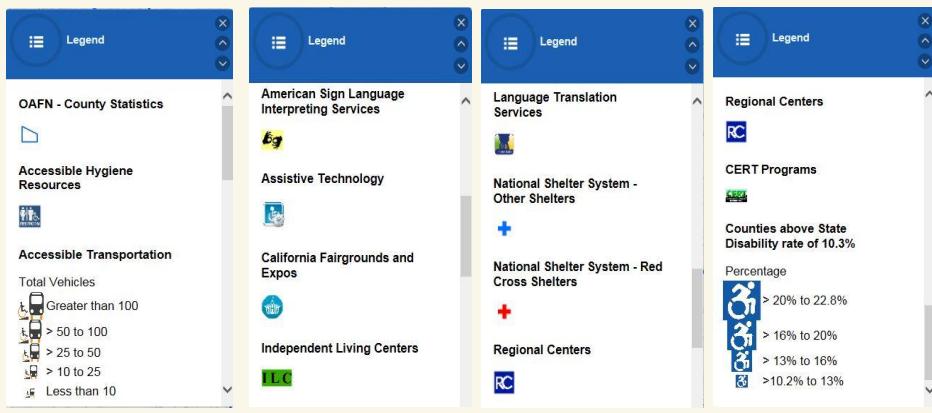
*To develop a web map, which would contain geographically searchable AFN-relevant information categorized into substantive and meaningful areas in such a way as to forever change how we integrate the needs of individuals with disabilities and access and functional needs before, during and after disasters.*



## Let's take a tour!



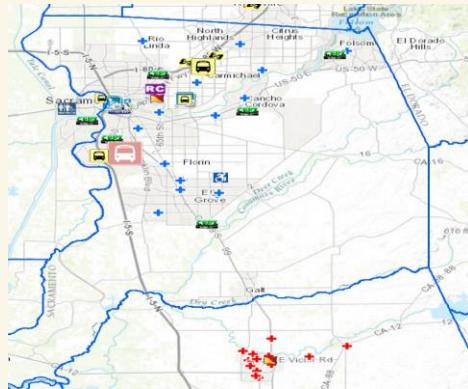
## AFN Web Map Symbols



# Sacramento County

## Fire Scenario

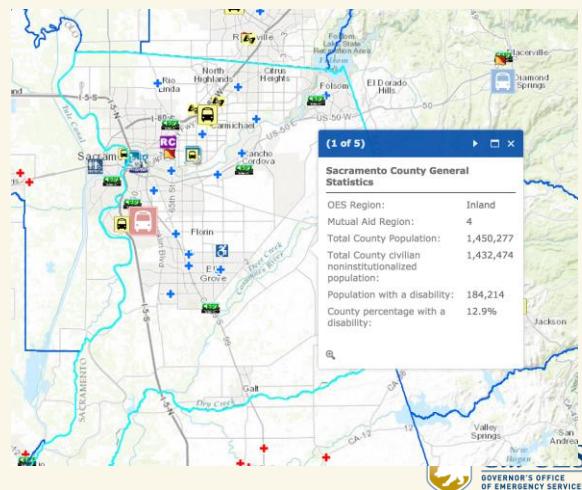
- There is a wildfire in Sacramento County.
- No disaster declaration.
- Given the rate of speed, there may be an evacuation within a few hours.



## Sacramento County (2 of 9)

### Fire Scenario

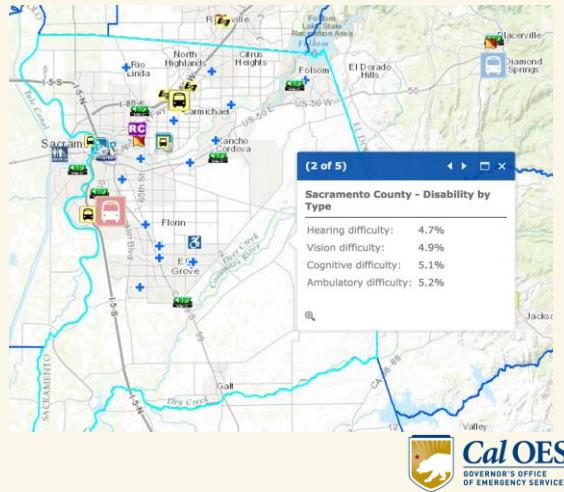
- The Web Map provides countywide stats outlining total population and the percentage of individuals with a disability.
- Here we see that Sacramento County has 1,450,277 people; 12.9% of which have a disability



# Sacramento County (3 of 9)

## Fire Scenario

- The Web Map breaks down disability by type
- Here we see that 4.7% have hearing difficulty;
- 4.9% have vision difficulty;
- 5.1% have cognitive difficulty; and
- 5.2% have ambulatory difficulty.

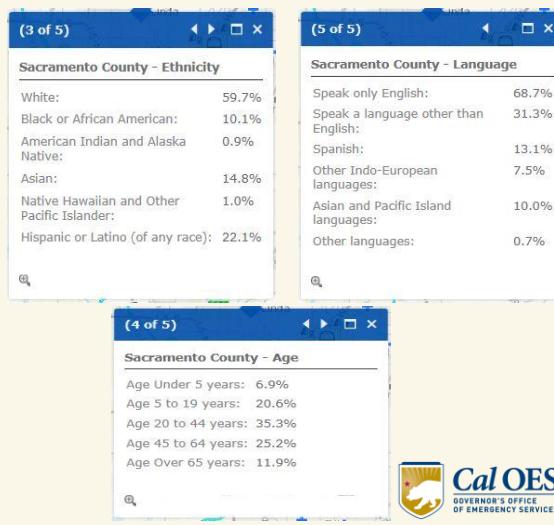


# Sacramento County (4 of 9)

## Fire Scenario

The Web Map also provides overviews on:

- Ethnicity
- Language(s) spoken at home
- Age

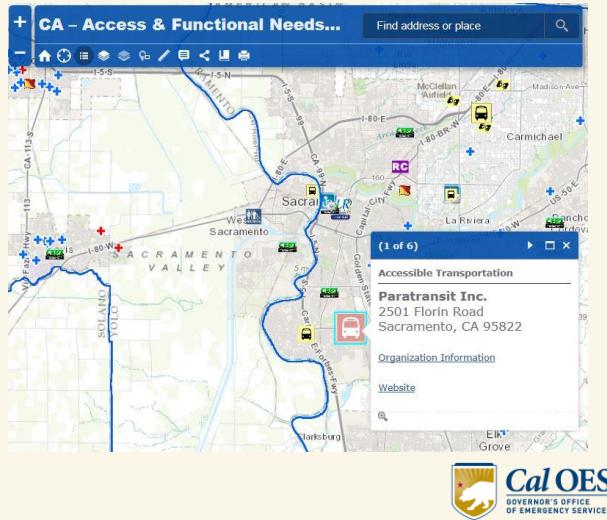


# Sacramento County (5 of 9)

## Fire Scenario

In this scenario, I now know I'm going to need the following:

- Accessible transportation

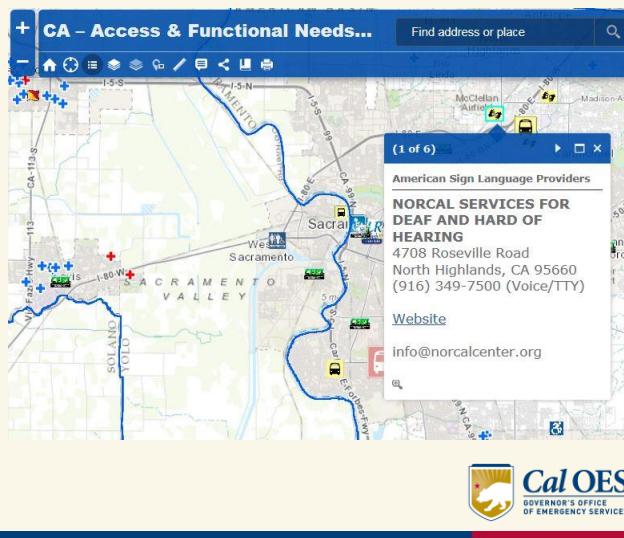


# Sacramento County (6 of 9)

## Fire Scenario

In this scenario, I now know I'm going to need the following:

- ASL Interpreters

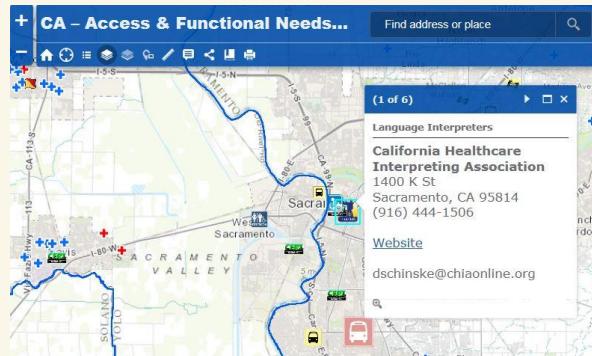


# Sacramento County (7 of 9)

## Fire Scenario

In this scenario, I now know I'm going to need the following:

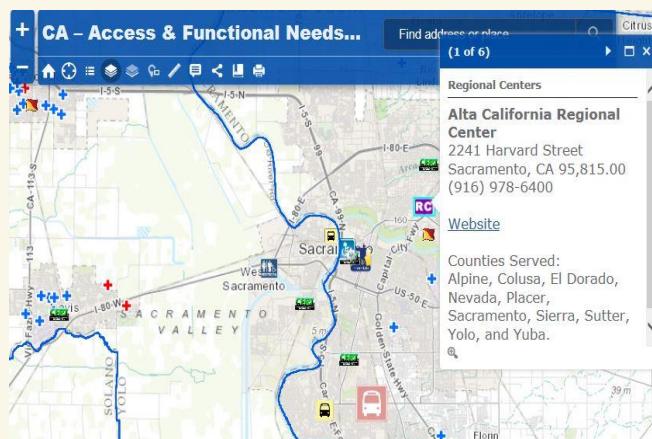
- Language translators



# Sacramento County (8 of 9)

## Fire Scenario

I'm also going to want to check in with the local Regional Center



# Sacramento County (9 of 9)

The image displays two side-by-side screenshots of a web-based map interface titled "CA - Access & Functional Needs Web ...". Both screenshots show a map of Sacramento County, California, with various locations marked by blue and red icons. A callout box is visible in both screenshots, providing details about a specific shelter.

**(1 of 6) National Shelter System - Red Cross Shelters**

**PIONEER ELEMENTARY SCHOOL**  
5215 HAMEL STREET  
DAVIS, CA 95618  
530-757-5480  
**Operating Agency:**  
American Red Cross  
**Suitability:** Suitable for evacuation

**Accessible Hygiene Resources**  
**Grainger Industrial Services**  
3691 Industrial Blvd  
West Sacramento, CA 95691  
(800) 225-5994  
[Website](#)



## Unlocking Access

The collage includes four images: a white van with "NORTHSIDE AREA" and "TRANSPORTATION" printed on its side; a white mobile restroom unit with a ramp; a woman smiling and making a hand gesture; and a close-up of a computer keyboard where the red "Access" key is highlighted.



# Trinity County

**Trinity County General Statistics**

- OES Region: Inland
- Mutual Aid Region: 3
- Total County Population: 13,515
- Total County civilian noninstitutionalized population: 13,304
- Population with a disability: 3,051
- County percentage with a disability: 22.9%

**Legend**

- Evacuation Zone
- Fire Boundary
- OAFN - County Statistics
- Accessible Hygiene Resources
- Accessible Transportation
- Total Vehicles

**Cal OES**  
GOVERNOR'S OFFICE OF EMERGENCY SERVICES

## Trinity County (continued)

**Cal OES**  
GOVERNOR'S OFFICE OF EMERGENCY SERVICES



# Data Sharing

- **The Web Map is a work in progress**
  - It is populated by Cal OES as we become aware of assets and resources in the state
- **Local and regional stakeholders**
  - Download instructions from our [website](#) on how to easily submit info to us about the assets and resources in your area
  - We will upload the data to the Web Map for all to use
- **Evolution**
  - As you submit data, the Web Map will become the comprehensive, definitive AFN-specific tool for emergency managers



**Instructions to Submit Data for CA Access and Functional Needs (AFN) Web Map**

Thank you for contributing to the [CA AFN Web Map](#). Your data will improve the capability of this important tool to be an effective and essential resource in supporting individuals with disabilities and others with functional needs during an emergency.

The Office of Access and Functional Needs has two options for submitting your data for inclusion in the web map. The easiest way to submit your data is by using Microsoft Excel. Use the attached Excel template to input your resource data. Please submit one Excel file per resource type. For example, if you are submitting data for accessible transportation and shelters, please complete separate Excel files for each resource. Email Excel file(s) to: [CAFN@caloes.ca.gov](mailto:CAFN@caloes.ca.gov).

If you are familiar with ESRI files, you can also use the following advanced data formats to submit your information:

- ESRI Shapefile: Shapefiles can be created by exporting any data source to a shapefile using ARC/INFO®, PC ARC/INFO®, Spatial Database Engine™ (SDE™), ArcView® GIS, or BusinessMAP® software;
- ESRI Geodatabase: A collection of geographic datasets of various types held in a common file system folder, a Microsoft Access database, or a multi-user relational DBMS (such as Oracle, Microsoft SQL Server, PostgreSQL, Informix, or IBM DB2); or
- ESRI ArcGIS Online (AGOL) feature service file: link to your current mapping products from ESRI.

Once your data is uploaded into the web map, we will contact you once per year to ensure information remains current. For questions related to data submission, contact: LaCandice McCray, Program Manager, [LaCandice.McCray@caloes.ca.gov](mailto:LaCandice.McCray@caloes.ca.gov) or (916) 845-8884.

3850 SCHREIBER AVENUE, MATHER, CA 95655  
OFFICE OF ACCESS AND FUNCTIONAL NEEDS (CAFN) [CALNOES.CA.GOV](http://www.caloes.ca.gov)

*And through it all, we become a safer, more resilient California.*

# Conclusion

- **The utility of the Web Map**
  - As we use it; preparedness and partnership will increase
  - And as they do; response will improve
- **End state**
  - As response improves; lives will be changed and improved
  - We become a safer, more resilient California.
  - We become a safer, more resilient nation.



# California Access and Functional Needs Web Map

Here's the link to the [web map](http://tinyurl.com/afnwebmap): <http://tinyurl.com/afnwebmap>



**Cal OES**  
GOVERNOR'S OFFICE  
OF EMERGENCY SERVICES

Office of Access and Functional Needs

## Questions?

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