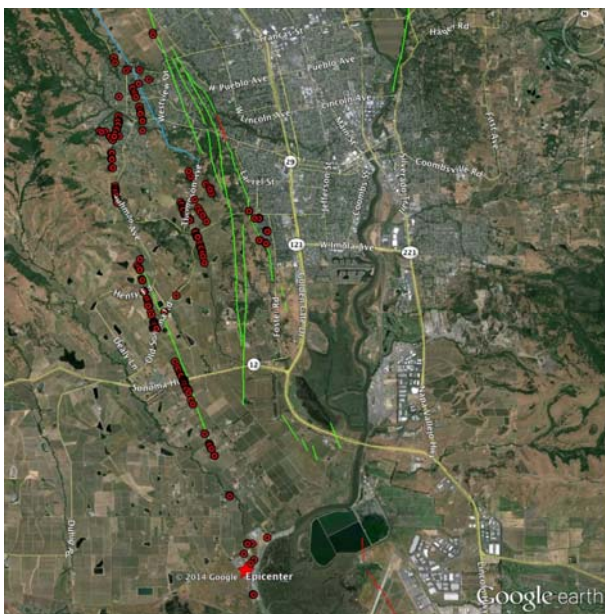


CITY of NAPA

The South Napa Quake Lessons Learned in Response and How to Insure Reimbursement

November 22, 2016



August 24, 2014 @ 3:20 a.m.

6.0 magnitude - largest quake in
the Bay Area since 1989

★ Epicenter 5 miles S/SW of the
City of Napa, on the West Napa
Fault, 7 miles below Napa Valley
Marina

📍 Surface fractures indicate
underlying faults, as of 8/26.
(USGS)

Napa City and County opened
Emergency Operations Centers
(EOCs) around 6:00 a.m.



Napa City Public Works opened
Department Operations Center
(DOC) at Corporation Yard

Water Facilities Assessment

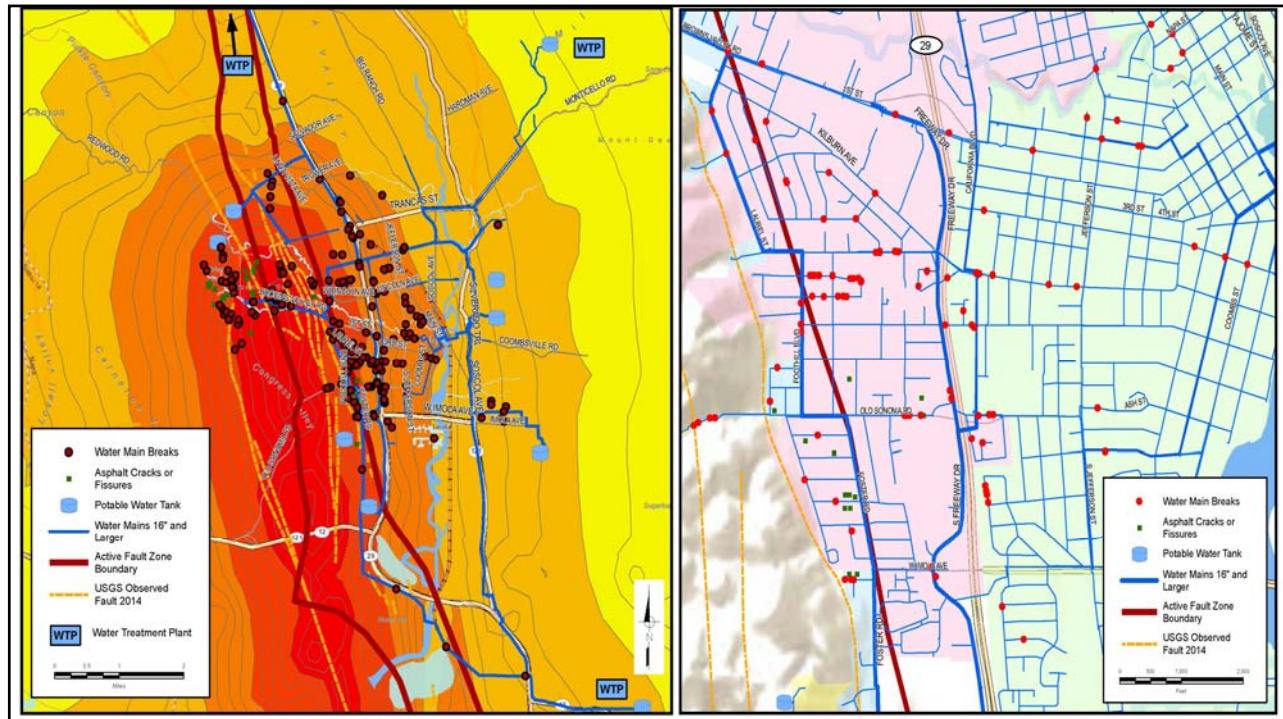


- 240 leaks (120 in first six days)
- No damage to Treatment Plants, Pump Stations or Dams
- No immediate damage to Transmission Lines (4 leaks occurred in weeks after event)
- Only 1 of 12 Storage Tanks Damaged
- Approx. 1,500 services effected (only 6% of system) in first week.



Old Sonoma Road
Napa Valley register photo





Water System Repairs

Sunday Day 1: We need help

- **System wide Inspections**
- **60+ leaks identified and documented**
- **Ramp up treatment plants to feed leaks to maintain positive pressure**
- **Establish 12-hour shifts**
- **Organize response**

Water System Repairs

Sunday Day 1: **Pre-established Contracts**

- Local assistance pre-established mutual aid Agreements within the County.
- CalWARN offered service within 1 hour of event.
 - ✓ Pre-defined resource typing
 - ✓ Requested 6 Type III Water Distribution Repair teams
 - ✓ Clear communication of needs
- Called in 4 local contractors. Existing on-call contracts, pre-negotiated hourly labor and equipment rates.

Water System Repairs

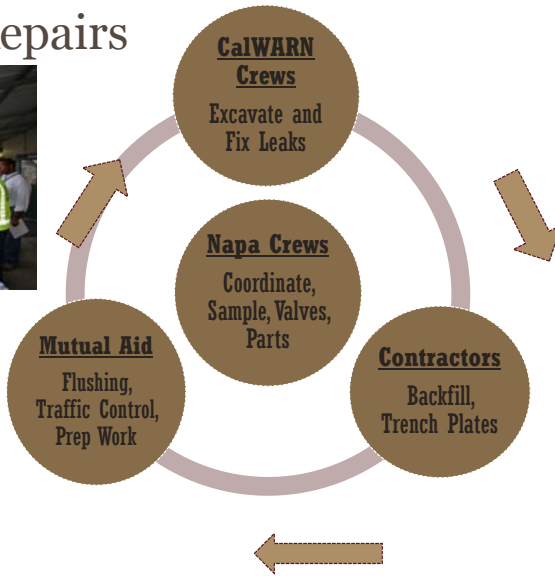
Sunday Day 1:

- Logistics
- Stockpiled backfill materials
- Opened potable water stations
- Prepared leak packets - maps, USA Tag
- Secured hotels, shuttle cars, gas cards, food for CalWARN crews and other mutual aid

Water System Repairs

Monday Day 2:

- 90+ leaks identified
- Order repair materials
- Need cost estimates for repairs
- CalWARN crews arrive
- Re-assign staff
- Sign-in and sign-out sheets



Establish the "Dance"

Water Facilities: Day 2—Paperwork!!



Water System Repairs

Tuesday Day 3:

- 120+ leaks identified
- Need more crews—request to CalWARN
- Goal to release CalWARN/Mutual Aid by Day 6: Friday (for Labor Day weekend)



Water System Repairs

Wednesday-Friday; Day 4-6:

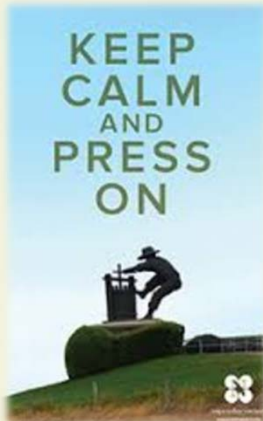
- Most productive days
- 2 more CalWARN crews arrive
- The “Dance” continues
- Running list of repairs
- GIS data out to public



Water System Repairs



Response Efforts



- Get more staffing than you think you need & know it will require long-term commitments
- Organize Mutual Aid so workers are deployed effectively
- Collaboration and relationship building are key
- Damage was still occurring and estimates were needed to assist in the Disaster Declaration

FUN with FEMA

RECOVERY
is 10X more
work than
the Disaster

- You need LOTS of DOCUMENTATION
- Be prepared to invest significant staff time
- Recognize that FEMA has rules to follow and you won't like some of them
- FEMA is only the first step, need to do work and get paid (OES) and get audited (OIG)
- Work together – they have \$ you need
- DOCUMENT everything from the start

FUN with FEMA

RECOVERY
is 10X more
work than
the Disaster

- DOCUMENT DOCUMENT DOCUMENT
- Staff hours: sign-in, sign-out
 - Daily timesheet and log of work performed
- Location (picture of cross-street or GPS pt)
- Equipment used (trucks, backhoes)
- Materials, consumables, food receipts

FUN with FEMA

RECOVERY
is 10X more
work than
the Disaster

- Category B - Immediate response (within 72 hours)
 - more flexibility in amount of detail
- Category F - Public Utilities
 - Stafford Act: Restore to *pre-event form and function*
 - Previously adopted standards
- Follow all procurement rules for your Public Agency

FUN with FEMA

RECOVERY
is 10X more
work than
the Disaster

- FEMA kick-off meeting
 - On-site orientation about rules
 - Oct 15th - 53 days after Napa EQ
- Deadline to identify all Projects: 60 days from kick-off
- Project Worksheets
 - Detailed description of project
 - Assume reviewer has no knowledge of situation

FUN with FEMA

RECOVERY
is 10X more
work than
the Disaster

- 44CFR 206.226 50% Rule- Repair vs Replace
- Denied Funding and Appeals
 - If funding denied expect 2 appeals at local region, then to federal level.
 - Tight Timelines (for you)– prepare to drop everything else
 - 60 days from the date FEMA sends letter to State Agency
 - Admin Record is closed
 - Reviewed by fresh eyes at federal level

Reimbursement Status - Year 2 After Event

RECOVERY
is 10X more
work than
the Disaster

Funding received

- \$0.9M - 6 days Cat B w/mutual aid and CalWARN efforts
- \$0.25M Tank roof repair
- 0.7M Transmission Main repairs
- \$5.2M Funding *approved* for major repairs under freeway

Appeals Ongoing

- \$3.3M – water main replacement
- \$0.1M – repairs Dec – Jan 2015
 - Response to Denial of 2nd appeal due Dec 6, 2016

How to Succeed in Procuring Reimbursement

RECOVERY
is **10X** more
work than
the Disaster

- Set up competitively bid or pre-negotiated contracts ahead of time
- Set up mutual aid agreements ahead of time
- Adopt standards ahead of time when practical
- Follow procurement practices
- Document EVERYTHING
- Describe work in great detail
- Pictures help tell the story
- Reimbursement process is a marathon not a sprint

RECOVERY
is **10X**
more work
than the
Disaster

Questions at the End

