Emergency Preparedness and Infrastructure Resilience

- Individual / Family
- Organization
- Local Community
- Regional
- National
- Global

Plan, Inform, Train, Mitigate, Prepare, Exercise
Vince Sobash

• Emergency Management Program Specialist, NAVFAC Southwest
• Key Experience:
  – DoD Humanitarian Aid / Disaster Response SME
    2013 Republic of Marshall Islands Drought Recovery
    2010 Haiti Earthquake Response
  – Federal Transit Administration PMOC
    2012 Hurricane Sandy Response & Recovery
  – NRSW Contingency Engineer
    2011 Pacific Southwest Power Outage
  – DHS/FEMA Urban Search & Rescue Specialist
    2005 Hurricane Katrina Response (New Orleans)
• The Infrastructure Security Partnership (TISP) – Infrastructure Standards and Measuring Resilience Committee
• Instructor:
  – Cal OES Safety Assessment Program (SAP)
  – San Diego County Community Emergency Response Team (CERT)
• Author: Engineering a Difference (2013 TME Article)
• Awards:
  – Federal Engineer of the Year (2011)
  – Joint Civilian Service Commendation (2010)
Emergency Preparedness and Infrastructure Resilience

7/25/2013
Emergency Preparedness

• PLAN
  – Identify Key & Essential Personnel Lists
  – Develop Recall Procedures
  – Disaster Debris Removal

• INFORM & TRAIN
  – Operation Prepare
  – NFAAS

• MITIGATE
  – Provide Power Backup Systems

• PREPARE
  – Contingency Engineering Response Teams
  – Facilities Expeditionary Logistics Center
  – Air Det

• EXERCISE
  – Participate on Installation / Region Training Teams
  – Utilize Field / Table Top Opportunities
Damage Assessment Training

• Installation Damage Assessment Teams
  – Wide Spectrum: RA, PE, PM/CM, MA/OA, SEABEES
  – Cross Functional Awareness (EMO, TO, F&ES, Security)

• Contingency Engineering Response Teams
  – Three Teams: Two Week Rotation Cycle
  – Composition
    • Nine Member Vertical Team
      – Leader & Contingency Contracting Officer
      – Damage Assessment Team (RA, CE, SE, EE/ME)
      – Construction Support Team (AROICC, 2 ET’s)
    • Vertical Team Augmentation / Horizontal Team
      – Environmental
      – Debris Removal

• In-House Training
  – Level I: Awareness
  – Level II: Operational
  – Level III: Technician (CERT)
Infrastructure Resilience / Disaster Response

• SAME Leadership – The Infrastructure Security Partnership
  – Understanding Resilience Booklet
  – Regional Disaster Resilience Guide

• Resilience Issues
  – Building Codes: Life Safety Oriented
  – Design-Build Professional Leadership
  – Societal Continuity
  – Full-Spectrum Concept

• Response Issues
  – Immediate Response
  – Defense Support of Civil Authorities
  – Contractor Leadership
Kenneth Fussell

Energy Services Manager, SDG&E (32 Years)

- Emergency Services Department
  - Operating the Corporate Emergency Operations Center
- Emergency Response Management
  - 2003 California firestorms
  - 2007 California Firestorms
  - 2010 Mexicali Earthquake (Damage to SDG&E’s Electric Transmission Grid)
  - 2011 Pacific Southwest Power Outage
- Mutual Assistance Responses
  - Hurricane Jeanne Response to Progress Energy (2005)
  - Storm Response to Pacific Gas and Electric (2008)
  - Storm Response to Pacific Gas and Electric (2011)
  - Hurricane Sandy Response to Con Edison (2012)
- Education – Bachelors of Science, San Diego State University
San Diego Gas & Electric
Preparedness and Emergency Response

Ken Fussell, Manager of Emergency Services
We serve a diverse population from the Mexican border north to Orange County

2 counties, 16 municipalities
- 1.3 million electric customers
- 900,000 gas customers
Response & Recovery Structure

Emergency Operations Center (EOC)
Expanded Support and Coordination

Gas and Electric Emergency Centers
Initial support and coordination

Field Response
Essential and Effective
The EOC is activated to support the field response by addressing all the other aspects of a major emergency to ensure a coordinated recovery effort.

- The basic responsibilities are:
  - Establish restoration priorities and targets
  - Ensure focus on safety
  - Provide expanded logistical support
  - Identify and address employees and public safety issues
  - Centralize all internal and external communications
  - Regulatory notifications
  - Identify and address customer service issues
  - Identify and address employee issues
  - Make policy decisions
SD EOC Structure

Officer In Charge

Electric Operations
- Electric Dist. Lead
- Electric Operations
- Grid Ops Rep.
- SCADA Rep.

Gas Operations
- Gas Distribution Rep.
- Gas Operations Sl.
- Gas Service Rep.

Employee Support
- Human Resources Rep.
- Safety Rep.
- Employee Communications

Business Support
- Accounting Rep.
- Environmental Rep.
- Facilities Rep.
- IT Rep.
- GIS
- Phone Operators

Customer Service
- Call Center Rep.
- Customer Rep.
- Customer Service Sl.
- Customer Assistance Rep.
- Customer Communications

External Affairs
- Claims Rep.
- Emergency Services Rep.
- Governmental Rep.
- Regulatory Rep.
- Mutual Assist. Coordinator

Communications
- Media Communications
- Comm. Admin Support

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Training and Exercises

- **Type of Emergencies**
  - Winter storms
  - Energy shortage
  - Fire Risk Preparation and Fires
  - Earthquake

- **Training - Quarterly**
  - General roles and responsibilities review/Winter storm response
  - Energy outlook and response
  - Fire preparations and response
  - Earthquake and other major emergency response

- **Exercises**
  - Gas & electric load curtailment
  - Red flag warning
  - Major emergency
  - Cyber attack
  - Gas transmission pipeline damage
QUESTIONS?
Stephen Rea

- San Diego County Office of Emergency Services
- Information and Intelligence Chief of the Operational Area Emergency Operations Center (2007 Firestorm)
- Emergency Operation Center Director during Disaster Response
- Member: San Diego Urban Area All Hazard Incident Response Team
- Awards:
  - ESI’s Boundless Collaborator Award (2008)
  - ESI’s WebEOC Catalyst Award (2007)
- Bachelors Degree, Education, University of Illinois
Technology in Organizations

- LECC/CIKR
  - HSIN-CS for San Diego
  - Site Assessments - ACAMS
- Civilian/Military Liaison
  - Quarterly Mtgs
  - WebEOC
- Business Alliance
  - Partner Connection
Technology in Responder Resources

- WebEOC
- NICS
- 3Cs VTC
- HPWREN
Technology in Public Communication

- SDCountyEmergency.com
- County News Center
- Social Media
Technology in Mobile Applications

- SD Emergency Mobile
- iOS
- Android
- Windows 8 Live Tile
Technology in Alerting

- AlertSanDiego
- Rev-911
- On-The-Go Alerting
- IPAWS
- WEA
- EAS
Michelle Anderson

- Assistant Emergency Manager, EM Division
- Orange County Sheriff’s Department (2007-Present)
  - Homeland Security Grants Manager:
    - Threat & Hazard Identification and Risk Assessment
    - Strategic planning for emergency management, fusion center, infrastructure hardening, and whole community preparedness and recovery
  - Emergency Response:
    - 2007-2008 Wildfires and Winter Storms
    - 2008 Freeway Complex Fire
    - 2010 Winter Storm Event
    - 2011 Power Outage
    - 2012 Anaheim Civil Unrest
- Enterprise Risk Services, Deloitte & Touche, LLP (2002-07)
- Masters, Business Administration, UC Irvine
- B.A., Political Science/International Relations, UC Davis
Jerry VanLancker

- Emergency Manager, Mission Assurance Branch, Marine Corps Installations West-Marine Corps Base Camp Pendleton
- Masters Degrees from Webster University (Business and Organizational Security Management) and Touro University (Disaster and Emergency Management)
- Master Sergeant, USMC (Ret.)
- Bachelors of Arts, Hawaii Pacific University
• Executive Director, Greater Los Angeles Federal Executive Board (17 Years)
• U.S. Department of Veterans Affairs (VA)
  – Clarksburg, WV, Washington, D.C., and Los Angeles
• Career Highlights:
  – Assignments with the Lieutenant Governor for the State of Idaho, and U.S. Senate Veterans Affairs Committee
• Author
  – Dispute Resolution in the Public Sector Publication/Curriculum
  – The Public Manager: Anxiety In the Workplace: Post September 11, 2001
• Masters, Public Administration, West Virginia University
• B.A. Political Science, Idaho State University
What is the FEB?

www.feb.gov

- Established in 1961 by President Kennedy; 28 Nationwide – L.A. is largest
- 85% of Federal employees are outside of Washington, D.C. – post event provide “Ground Truth”, an expedited communication channel between “the field” and D.C.
- Federal ambassador to the communities & multiple stakeholders we serve; not partisan.
- The highest ranking Federal official of the agencies represented in the geographic area - All 3 branches of the Government represented – 275 separate agencies in the Greater L.A. Area
L.A. FEB Role in Disaster Preparedness & Recovery

- Establishing regulations - workforce & weather issues
- Interpretation varies by FEB location – no accountability
- Guidance to Federal Agencies – “we’re on our own”
- Rich History of Training/Exercises – robust committee
L.A. FEB Role in Disaster Preparedness & Recovery

- Access to Federal resources – Survey Challenges
- FEMA relationship – Regional office in Oakland
- Integrate Feds into existing organizations – ICS issues
- Emergency Notification System
- Post 9-11-01 Environment
85% of Nation’s Critical Infrastructure (CIKR) is owned by the Private Sector

- Started 1996 by FBI Cleveland Field Office in response to Executive Order 13010 (Clinton) emphasized eight critical infrastructures
- HSPD-7 (2003) Sector-Specific Plans (CIKR)
- 2006 National Infrastructure Protection Plan (NIPP)
- Both L.A. & San Diego have very active chapters
  - www.infragardlosangeles.org & www.infragardsd.org