



**Public Disaster Education and Preparedness (PDE+P) Committee of
the Marin Operational Area Disaster & Citizens Corps Council (DC3)
Committee Meeting – Monday August 7, 2017**

PDE+P Meeting Minutes for August 7, 2017
Approved at PDEP meeting 9-11-17

Attendance:

Members Present:

Bill Tyler	CoChair, DC3 Member, Batt. Chief Novato Fire, Fire Marshal
Frank Cox	CoChair, DC3 Member, OES Auxiliary, OES trainer
Catherine Way	Councilmember, City of Larkspur, member, MCCMC
David Peery	MMWD Safety & Risk Manager
Garry Lion	DC3 member, Marin Economic Forum
James Wickham	PG&E Safety + Preparedness Specialist
Keith Kennedy	DC3 Member, Dist. 3
Dr. Tom Cromwell	Marin Medical Reserve Corps, etc.

Members Excused or absent:

Maggie Lang	CERT Coordinator, Get Ready / Southern Marin
Megan Scott	Sr Program Coordinator H&HS Public Health Preparedness
Terry Scussel,	Access & Functional Needs - Develop Disability.

Members of Public Present

Ann Eichhorn	MMRC, ARC, MV Em Prep Comm eichhorn1@sbcglobal.net
Debbie Yee	Red Cross Pgm Mgr, Solano + Marin Debbie.Yee@redcross.org
Lori Schifrin	MMRC, CERT, etc. / lori.sch@att.net
Rich Shortall	Pres.Sleepy Hollow Fire Protection District rich_shortall@att.net
Todd Lando	FireSafe Marin toddlando@firesafemarin.org
Terrie Green	CERT Marin City, etc. terriegreen1@comcast.net
Peter Mendoza	DC3 / AFN representative mcilpeter@gmail.com

Handouts distributed:

- Agenda, PDEP meeting 8/07/2017
- Draft Minutes PDEP Monday June 6, 2017 version (b)
- West Marin Disaster Council Draft Agenda 8-17-2017
- West Marin Disaster Council Minutes 5-18-2017
- Cal OES Assembly Bill 2311 Planning Guidance (AFN - Gov Code §8593.3 et seq)
- Bay Area UASI Agenda 8-23-17: Integrate AFN in Care Shelter Planning Workshop
- EM mag article: Public as a Resource, by Craig Fugate
 - <http://www.govtech.com/em/disaster/The-Public-as-a-Resource.html>
- Passed around by Lori: Ham Radio_W6SG_EDUFLYER-2017.pdf
- Passed around by Lori: August 2017 HFPC NCCR Flyer Final.pdf
- Sleepy Hollow Evacuation Map and Planning Checklist
<http://www.shfpd.org/news/sleepy-hollow-evacuation-drill-saturday-august-5-2017-at-9am>
- Passed around: draft Marin OES proposal DSW training (est year 2013)

I. Welcome, Introductions, Handouts. Review of Minutes

- Bill Tyler welcomed all and invited all to introduce themselves.
- Garry moved, Keith 2nd, Draft minutes of June 6, 2017 were approved.

II. Sleepy Hollow Evacuation Drill Aug 5th first impressions

- Bill introduced Rich Shortall, President of the Sleepy Hollow Fire Protection District, retired SFFD Deputy Chief / Manager UASI & SF Dept of Emergency Services and more.
- Chief Shortall introduced Todd Lando, FireSafe Marin, who helped create the Sleepy Hollow Evacuation Map & Planning Checklist used, WUI planning, and much more.
- Overall, the Aug 5th Sleepy Hollow Evacuation Drill was a great success.



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- It was built on detailed fire modelling produced by Todd Lando, with help from neighboring fire agencies, MCFD, public meetings and others, resulting in a 150 page report that in turn prompted fire agencies to update mutual threat fire maps in the area.
- The updated fire maps will allow for targeted zone evacuations if needed. However, a worst case scenario for the area might evacuate ~ 1,600 residents over a two lane road. Cooperating law agencies would be responsible for traffic management in such events.
- The updated GIS map effort was helped by use of the MCFD Augmented Reality Sandbox that is based on overhead satellite or topographic projections onto a sandbox base that can then be modeled into a 3D representation of the 2D maps.¹ The 3D maps can be used in a variety of simulations: floods, fires, earthquakes, and more.
- A very large fire evacuation may direct residents to Drake High or further safe zones.
- Frank commented Todd Lando's fire projections used in the 5-7-2015 'Burning Marin' Annual Exercise at County OES demonstrated the exceptional value of such planning.
- Starting months prior to the drill, all Sleepy Hollow residents received paper copies of the Evacuation map, emails, select area door hangers, Homeowner newsletter articles, public information at the Annual Fourth of July Parade, and then Alert Marin targeted calls to one of the six Sleepy Hollow zones wherein the actual evacuation occurred.²
- The phone messages emphasized residents who evacuated could do so in a half hour or so, visiting one of the 9 informational fire prevention tables at the Community Center.
- About 200 of the intended 850 residents evacuated – about half of the households, a far greater percentage than the May 20, 2017 Mill Valley Evacuation Exercise. Rich explained the Sleepy Hollow area residents tend to know one another – and that helped.
- The drill was helped by many volunteers, and about \$15K worth of printing / other costs.
- Social media, including Facebook, Nextdoor, Marin OES postings, and such helped.
- The San Domenico School has a school emergency and evacuation plan. Managing outgoing students while their parents seek to drive toward the school will be difficult.
- Bill thanked Chief Shortall and Todd Lando for an excellent presentation.

III. First meeting, DC3 review of PDEP Survey recommendations

- Dr. Tom Cromwell advised the first meeting of the DC3 advisory group reviewing the PDEP survey met the morning of August 7th, with MCFD Chief Jason Weber selected to chair the meeting³.
- The group will review three goals areas of preparedness recommendations:
 1. Get Ready, GR5th Grade, and associated preparedness efforts for specific groups.
 2. School based preparedness efforts, for staff, students, and families.
 3. Disaster Service Worker (DSW) and EOC staff new and continuing training.
- Additional ad hoc meetings will be held later this month, September, and October.
- An effort will be made to complete the recommendations to DC3 on 12/14/2017.

¹ See background information on Augmented Reality Sandbox 3D mapping at: YouTube: <https://www.youtube.com/watch?v=2AWJvIyc-l0> and U.C. Davis: <http://idav.ucdavis.edu/~okreylos/ResDev/SARndbox/>

² The 2017 drill focused on the Van Winkle Drive neighborhoods, one of six Sleepy Hollow areas. Future years will engage other neighborhoods, following a pattern set by Mill Valley in their annual drills.

³ The DC3 reviewing committee was selected apparently by DC3 Chair Arnold from a larger group of volunteers. Invited participants include MCFD Chief Jason Weber, OES Mgr Chris Reilly, Lori Schifrin, Tom Cromwell, Frank Cox, Mike Grant - MCOE, and BOS aide Tanya Albert.



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IV. Updates from PDEP members

- MCCMC Marin County Council Mayors + City Councilmembers

- Catherine advised MCCMC does not meet during the Summer – no report there.
- The merger between Corte Madera and Larkspur Fire Departments is near completion. The Joint Power Agency (JPA), Central Marin Authority, will refer to the combined departments as the “Central Marin Fire Department”.
- The Local Disaster Coalition, an informal neighborhood / local group ‘best practices’ meeting of July 13th was a success. Next meeting: 10/12/17 – to talk about funding.

- West Marin

- Frank pointed out the printed Agenda Packet included the West Marin Disaster Council Draft Agenda 8-17-2017 and Minutes of 5-18-2017. The documents include upcoming dates and events, including the West Marin CERT class in Nicasio, now scheduled for October 14th and 21st.

- MIDC and Red Cross Events:

- Debbie Yee⁴ advised ARC is sponsoring a free smoke detector installation day Saturday, Aug 19th the Sausalito Floating Homes Association, as part of the National “Home Fire Preparedness Campaign” in coordination with local fire departments. More volunteers are needed. To date, about 86 homes have responded
- The ARC ‘Pillowcase Project’, providing training Disney sponsored evacuation pillows (as child size Go Kits) to 3rd Graders continues, but needs more volunteers.
- Red Cross offices in 16 California Counties have set a baseline goal that each County should be able to set up and staff a shelter for about 100 persons for one day with local volunteers. It is believed this baseline, supported Inter-County mutual aid, government DSWs and additional volunteers, should be sufficient to meet shelter needs for significant, but not catastrophic disasters.
- UASI continues to have current shelter training, and is expected to have a shelter based full scale drill next year.
- Ann Eichhorn advised ‘Virtual staffing’ by volunteers linked by phone across State lines has been used in Texas and Louisiana.
- Tom Cromwell noted the ‘overdue’ Earthquake Hayward Fault is expected to produce many thousands of persons displaced from their homes, or more, who will need shelter.⁵

- Southern Marin / Business Community

- Garry advised the Marin Economic Forum has selected a new Chief Executive Officer

- CERT, Get Ready and Get Ready 5th:

- Maggie Lang, CERT Coordinator, was unable to attend the August meeting.
- Ann Eichhorn met with Mike Grant, MCOE, in an effort to continue the GR5th grade program. Marin has 19 school districts and multiple 5th grade teachers, any of whom can schedule a GR5th grade class or decline to do so. The program also needs new volunteers.

- Access + Functional Needs communities (AFN):

⁴ PDEP is delighted to report that following the meeting, Debbie Yee agreed to join PDEP.

⁵ In 2016 The Marin IJ reported the Working Group on California Earthquake Probabilities found the likelihood of a major Quake in our area increased substantially last year.

“Slippage along the northern Hayward fault alone in a 6.7-magnitude quake would leave 2,690 housing units uninhabitable and 6,725 people homeless in Marin, according to an Association of Bay Area Governments report. A quake along the entire Hayward fault would leave about 5,300 people in Marin homeless by knocking out 2,125 housing units. There are no calculations for a larger event.”

<http://www.mercurynews.com/2016/09/24/bay-area-earthquake-probabilities-increase-updated-usgs-forecast-says/> See USGS probabilities: <https://pubs.usgs.gov/fs/2016/3020/fs20163020.pdf>



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- Terry Scussel, who helped advise PDEP of the needs of the Developmental Disability community and others with Access and Functional Needs (AFN), has elected to resign from PDEP given other responsibilities. PDEP greatly thanks Terry for his excellent service to our committee and to the AFN community.
- Frank re-introduced Peter Mendoza, the newly appointed DC3 / AFN representative, who is the Director of Advocacy and Special Projects at the Marin Center for Independent Living (MCIL). Peter also serves on Marin Transit's Paratransit Coordinating Council (PCC) and the Golden Gate Bridge, Highway and Transportation District's Advisory Committee on Accessibility (ACA). He will serve as a speaker at the Bay Area UASI Integrate AFN in Care Shelter Planning Workshop on 8-23-2017, and serves also on the California State Independent Living Council.⁶

- Public Health Preparedness and related programs

- Megan Scott, the Sr Program Coordinator H&HS Public Health Preparedness, was unable to attend this meeting. That portion of the agenda will be heard next month.

- Utilities including MMWD and PG&E

- Dave Peery, MMWD, and others from Marin examined the site of the August 2017 Grizzly Peak Boulevard fire in the Oakland hills,⁷ and found the narrow roads were dangerously overgrown with flammable vegetation such as eucalyptus trees and more. There are parts of Marin that are at similar risk for a firestorm.
- Jim Wickham, PG&E and Mill Valley Councilmember, reported PG&E will be conducting a Bay Area wide major earthquake drill on August 8th.⁸

- Marin Medical Reserve Corps (MMRC), etc.

- Tom Cromwell reported the MMRC did not meet in July or August, but will participate in the Bay Area UASI Urban Shield Drill September 7-11, 2017. <http://www.urbanshield.org/>
- The MMRC put on 'First Aid for Disaster Response' (FADR) training will soon include AED & CPR/Chest Compression training, in addition to 'Stop the Bleed' training. Sharon Carlyn, County H&HS, will promote these classes this Fall.
- MMRC is responding to National efforts to create 'Mission Ready Packages' or pre-defined MMRC teams ready to be deployed with specialized medical services.⁹
- - Fire Services + County at Large Issues:
 - Marin fire agencies now have one strike team deployed to Modoc County July Complex fire, one of the approximately 20 active fires in the State.¹⁰
 - About \$300K worth of Wildland Urban Interface (WUI) Grants, with a 50% match requirement, are now available Statewide – and locally, through FireSafe Marin.¹¹

⁶ DEP is delighted to report that following the meeting, Peter Mendoza agreed to join PDEP.

⁷ Grizzly Peak / Oakland hills fires: Yr 2017: <http://www.eastbaytimes.com/2017/08/07/grizzly-fire-in-the-east-bay-hills-100-percent-contained/> Compare the current year with the historic Yr. 1991 firestorm: https://en.wikipedia.org/wiki/Oakland_firestorm_of_1991

⁸ PG&E Bay Area Earthquake drill: <http://abc7news.com/pg-e-holds-earthquake-drill/2286662/>

⁹ Mission Ready Packages. See: <https://www.emacweb.org/index.php/learn-about-emac/module-positions/mission-ready-package> and <http://nacchopreparedness.org/an-ideal-match-mission-ready-packages-and-the-medical-reserve-corps/>

¹⁰ Cal Fire active fires: http://www.fire.ca.gov/current_incidents

¹¹ WUI Grants – see the California Fire Safe Council page: <http://www.cafiresafecouncil.org/california-specific-criteria-instructions-for-2017-wsfm-wui-grant-program/>



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- Governor Brown signed AB 398 that extended the State's Cap and Trade environmental program until yr 2030.¹² One of the effects of this legislation will be to remove the State Responsibility Area (SRA) taxation on land covered by the State and will free up some State funds for fire education projects.
- OES, Training and other Events:
 - Given the time, Frank briefly outlined a few recent completed and upcoming training events, including:
 - 2017 08 03 DSW Class – 30 of 55 registered students attended the mandatory class for all new Marin County Employees.
 - 2017 08 23 TEPP Training #3
 - 2017 08 23 UASI AFN workshop
 - 2017 08 31 Procurement training
 - 2017 09 07 Yellow Command
 - 2017 09 21 Section Training Finance
 - 2017 10 05 DSW Class
 - 2017 10 12 local disaster coalition #4
 - 2017 10 19 Shakeout
 - 2017 10 23 Vigilant Guardian
 - 2017 11 01 Get Ready Marinwood

IV. Open Time / Public Comment

- Catherine noted the Bay Area Fleet Week, October 2-9, 2017, will include preparedness events. The recent Chilean quake had lessons for us in the Bay Area. The seafloor in the harbor dropped about 6 feet, making it impossible for some deep draft vessels to enter the harbors.

3:00 PM end of meeting

- Bill closed the meeting.

Next Meetings:

PDEP Meetings: 1-3pm Year 2017: draft dates to be discussed:

9/4, 10/2, 11/6, 12/4/2017

Dates may be flexible as circumstances require.

Site: PDEP unless otherwise posted: Central Marin Police Community Rm.

DC3 Meetings: 3-5pm: 9/14, 12/14/2017 – at new EOF.

*PDEP_Minutes 2017-08-07 a.docx revised as of 9-13-2017 1615 hr. fcox
Approved at PDEP meeting 9-11-17*

¹² California Cap and Trade AB398 law: <https://www.gov.ca.gov/news.php?id=19891> See the legislation at: https://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180AB398