

[The State IHMT has made a decision not to print meeting minutes to paper, so if you want a paper copy, please make one for yourself.]

Minutes of the  
July 21, 2016 meeting of the  
State Interagency Hazard Mitigation Team

Meeting location: This meeting was held in the main conference room of OEM within the Donald N. Anderson Readiness Center in Salem.

The following people participated in the meeting:

Oregon Resilience Officer	Mike Harryman
Oregon Partnership for Disaster Resilience (OPDR)	Josh Bruce
Department of Administrative Services (DAS)	Darrin Brightman
DCBS, Insurance Division	Tracie Weeder
Office of State Fire Marshal (OSFM)	Terry Wolfe
Department of Environmental Quality (DEQ)	Don Pettit (via telephone)
Dept. of Geology and Mineral Industries (DOGAMI)	Jed Roberts (via telephone)
	Yumei Wang
Dept. of Land Conservation and Development (DLCD)	Matt Crall (Acting Chair)
	Marian Lahav
	David Lentzner
	Chris Shirley
	Tricia Sears
OMD, Office of Emergency Management (OEM)	Clint Fella
	Dennis Sigrist
	Joseph Murray
	Althea Rizzo
Oregon Department of Transportation (ODOT)	Greg Ek-Collins
Oregon Water Resources Department (OWRD)	Alyssa Mucken
Federal Emergency Management Agency (FEMA)	Brett Holt
	Brandon Sweeza (via telephone)
Baker, Inc.	Kate Skaggs

The following were distributed during or prior to the meeting:

- *Meeting agenda*
- *Oregon Natural Hazards Mitigation Plan 2015 Annual Report (agenda #5)*
- *MITIGATION ACTION STATUS THROUGH 2015 (agenda #5)*
- Current DOGAMI and DAS hazard projects (agenda #7 and #8)

[Email [joseph.murray@state.or.us](mailto:joseph.murray@state.or.us) for a copy of one or more meeting handouts; he also has some or all of the presentations given that were not included among the handouts.]

1) Introductions

Matt opened the meeting shortly after 9:00 a.m. with introductions.

2) Status of search for new State Hazards Mitigation Officer (SHMO)

Clint made an announcement about Angie Lane coming on board August 1. He noted that Joseph is serving as the interim SHMO. Brandon asked Clint if he wants to start the security check for NEMIS before Ms. Lane comes on board. Clint indicated that would be a good idea. Brandon also noted his desire to come to Oregon to help with the transition. Dennis said that Ms. Lane has considerable grants management experience, including with the CWPP.

3) FEMA-4258-DR-OR Joint Field Office (JFO) update

Clint gave a very brief update, noting that the JFO has closed and that FEMA has now set-up a Public Assistance Processing Center in room #172 across the hall from OEM. Clint said that FEMA still has a staff of about 30 here in the Donald N. Anderson Readiness Center, and also quite a few people in the field.

4) Oregon Water Resources Department (OWRD) update

Alyssa gave an extensive report as follows:

OWRD issues a Water Conditions Report every two weeks. It is on the "Drought Watch" page on the OWRD website:

[http://apps.wrd.state.or.us/apps/wr/wr\\_drought/current\\_updates.aspx](http://apps.wrd.state.or.us/apps/wr/wr_drought/current_updates.aspx)

There is also a subscription link; signing-up will bring a bi-weekly report on water conditions to your inbox, usually on a Monday:

[http://listsmart.osl.state.or.us/mailman/listinfo/owrd\\_drought\\_report](http://listsmart.osl.state.or.us/mailman/listinfo/owrd_drought_report)

OWRD also provides a long range forecast based on data that is currently available.

Alyssa noted the two committees that convene monthly to address drought issues, the Water Supply Availability Committee and the Drought Readiness Council, Agendas are posted on the Drought Watch website:

<http://www.oregon.gov/owrd/Pages/wr/drought.aspx>

The first drought declaration request this year has come from Baker County. The Drought Readiness Council determined that the conditions are not severe enough at this time.

Alyssa also talked about a new Drought Task Force established by the 2016 Session of the Oregon Legislature to look at drought mitigation, and whether the tools the state currently has to deal with drought are sufficient. The first meeting occurred on July 19. Water storage was a major topic of the first meeting. The Task Force is slated to give a report to a Legislative Committee this autumn.

She talked about recent Integrated Water Resources Strategy (IWRs) Open Houses. OWRD just held seven open house events around the state to talk about how drought affects people. They heard a lot about groundwater concerns and conservation. They also heard about the need for better monitoring, including monitoring of use.

She also talked about the first nine projects awarded grants under the Water Supply Development Account. [From the OWRD website, they are in the text box to the right.]

2016 Funding Cycle				
The Department solicited grant applications from August 28, 2015 through January 19, 2016. During that time the Department received thirty seven complete applications requesting \$50,959,520 of project funding. A Technical Review Team (TRT) reviewed and evaluated each application based on eighteen public benefits in three categories: economic, environmental and social/cultural. The TRT ranking provided a basis for the funding recommendations made to the Water Resources Commission at their May 2016 meeting. For the 2016 Funding Cycle, the Commission funded the nine projects listed in the table below.				
Project Name	Project Type	County	Funds Awarded	Total Cost of Project
Tumalo Feed Canal Conservation Phase 5 (PDF)	Water Conservation	Deschutes	\$1,299,968	\$3,407,155
Highline Canal Pipeline (PDF)	Water Conservation	Hood River	\$566,299	\$784,699
Kingsley Reservoir Expansion and Lowline Pipeline Project (PDF)	Storage/Water Conservation	Hood River	\$3,000,000	\$4,241,000
Sun Creek Restoration And Irrigation Efficiency (PDF)	Flow Restoration	Klamath	\$249,867	\$552,734
Klamath East Side Water Recycling Project (PDF)	Drainage Water Reuse	Klamath	\$268,673	\$358,231
Willow Creek Piping Irrigation Laterals (PDF)	Water Conservation	Malheur	\$500,355	\$785,143
Beaver Creek Dam Fish Passage and Flow Restoration (PDF)	Municipal Water Supply	Union	\$600,000	\$1,125,700
Lostine River Conservation Project (PDF)	Water Conservation	Wallowa	\$1,488,718	\$2,132,575
Mosier Deep Water Supply Well (PDF)	New Groundwater Supply Development	Wasco	\$917,238	\$1,225,013
<b>Total</b>			<b>\$8,891,118</b>	<b>\$14,612,250</b>

Dennis noted that this is non-federal money (green infrastructure) that might be able to match federal funding. Alyssa said she will have the grant person on the OWRD staff contact Dennis, who plans to get Angie involved in this as soon as he can. Dennis then noted how important it is to capture these projects in the Oregon NHMP as success stories – this will help maintain our enhanced plan status.

5) Oregon NHMP: Annual Report

Marian had two handouts, one of which – a table of the plan’s actions – was also displayed on an InFocus screen. She noted a few typos and inconsistencies about which she is already aware. She reminded us that this is not simply a bureaucratic exercise. She noted a meeting we have this afternoon with FEMA that will provide a status report on how the state is doing in the realm of hazard mitigation. She noted that the 10-page table may not be the best approach for the State IHMT members. Dennis, Yumei, Greg, and Alyssa all said that the table is helpful. Greg noted that the reminders are also helpful. Marian noted that Trisha is helping Marian with the Oregon NHMP currently. Marian expressed her complete willingness to be flexible in how we go about doing this.

6) Priorities for HMGP funds for FEMA-4258-DR-OR

Dennis talked about the Heceta Water Project, and early field trips with Brandon to determine what projects to fast track. The Heceta Water Project was funded at Day 54 following the declaration, a record. Also on the fast track were seven home acquisitions in Newport. Dennis noted that this is one way of helping people who would otherwise not receive any disaster assistance. He later said that a landslide-damaged red-tagged home is an “unfunded mandate to the homeowner.”

He also noted that Chris has been in the field quite a lot scouting-out potential flood and coastal erosion mitigation projects. Chris noted possible projects in Clackamas County along Mt. Scott Creek/Rusk Road, i.e., an apartment and quite a few homes (elevations or acquisitions). Chris said that we are prohibited from doing elevations in the floodway and that some of the Rusk Road properties are in the floodway. Chris also noted a commercial area in Scio that would benefit by a floodwall. Dennis noted that we did a floodwall in Vernonia that worked perfectly this past winter.

Dennis talked about success stories written-up by Roger Ferris (FEMA) this past winter. Josh asked if these included non-FEMA funded projects. Josh gave an example in Coos Bay. Brett noted that Roger will happily write-up projects like this; we need only ask him.

Dennis said that the PDA estimate was about \$4 million federal share. As of now, the estimate is up to \$8 million federal. Dennis lauded the flexibility we have with the “7% money” to do studies and risk assessments. Chris added that we are looking at doing a study of the Mill Creek Watershed with some of the 7% money. This might result in a detention structure of some kind. Chris said that another project would be to update how the Oregon NHMP risk assessment is done. She called it “a huge project we have wanted to do for years.” She wants to make this scalable so that local risk assessments can be done using the same tool. There is another proposal involving a levee in Springfield, including determining what would be at risk if certain portions of the levee were abandoned. Dennis also noted “advance assistance” that is an option.

Dennis reported that about 60% of the Public Assistance (PA) projects from Presidential major disaster declaration FEMA-4258-DR-OR include “406” mitigation.<sup>1</sup>

Yumei talked about a few HMGP projects she would like to propose: 1. a landslide risk assessment in Seaside, 2. a landslide risk reduction project in Tillamook County, and 3. an action plan for a landslide warning system and notices.

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<sup>1</sup> Mitigation performed under Section 406 of the Stafford Act, i.e., Public Assistance

She noted that Weyerhaeuser has donated land (\$3.8 million worth of land) at the outskirts of Seaside that might be used for a new school campus, but a risk assessment of the land must occur first. Kathryn Schulz has agreed to contribute some of her Pulitzer Prize money to help the Seaside School District.

Chris said that this is only a portion of a long list of projects that are percolating. Josh noted that he also has a few projects in mind, and wanted assurance that these ideas can be added. Chris indicated that new projects can still be proposed. Chris said that we need a better way to “intake projects,” probably something on-line.

Chris then talked at some length about the existing priorities we have for use of HMGP funds in Oregon:

- Be in conformance with the *Oregon Natural Hazards Mitigation Plan*;
- Have a beneficial impact upon the designated disaster area, whether or not located in the disaster area;
- Be in conformance with 44 CFR part 9, Floodplain Management and Protection of Wetlands (E.O. 11988), and 44 CFR part 10, Environmental Considerations (E.O. 11990);
- Solve a problem independently or constitute a functional portion of a solution where there is assurance that the project as a whole will be completed. Projects that merely identify or analyze hazards or problems are not eligible;
- Be cost effective and substantially reduce the risk of future damage, hardship, loss, or suffering resulting from a major disaster;
- Be based on a hazard vulnerability analysis of the geographic area in question;
- Not encourage development in hazardous areas without appropriate safeguards;
- Meet applicable permit requirements;
- Whenever possible, be designed to accomplish multiple objectives including damage reduction, environmental preservation and/or enhancement, and economic development or recovery; and
- Whenever possible, utilize existing agencies, resources, or programs to implement the project.

Chris said that long-term, the State IHMT needs to take another look at the current priorities, and also likely develop priorities for selecting planning projects when there are more proposals for planning than there is funding.

Dennis said that the State IHMT is the “Grant Review Board” for HMGP.

Greg complimented FEMA for being in town to help ODOT better identify potential Emergency Relief (ER) projects that might otherwise have been missed or delayed. He gave an example of how this has gone poorly in the past with possible ER projects being missed. There were also a few properties slated for acquisition near a State Highway for which the FEMA consultation went well.

Dennis thanked DLCD for stepping-up and helping-out OEM in a big way recently.

Brett talked about how important mitigation planning is to identifying projects.

Dennis talked about how important geographic diversity is to him in determining how to allocate grant funding.

Dennis then gave an update on the six FMAGP HMGP<sup>2</sup> pilot opportunities in five counties that result from the wildfires last summer. Each has about \$440,000 available. The funding can be used for burn area restoration or fuel treatments on non-federal lands, or for other things. He said that the major challenge has been the 25% non-federal match. He said that Grant and Wallowa counties have been very successful, Douglas and Josephine counties moderately successful, and Baker County not successful thus far (due to lack of match). Dennis said that the Environmental and Historic Preservation (EHP) review has also been rigorous and an additional challenge. Congress may or may not reauthorize this money this year. Brett thinks they probably will. Dennis said that Oregon has the first and only funded project thus far in Region Ten, a stream gauge in Grant County. There is a second project in Douglas County that is close to being funded. Brandon said that FEMA has learned a lot from this experience. Brett said that the impetus for this funding came from “the wildfire world.” Dennis said that the way FEMA wants to account for soft non-federal match for fuel treatments is onerous, and that ODF has a much better, much more streamlined way of going about this. Josh asked if ODF has an interest in running these HMGP pilots. Dennis said that the OEM Director had a conversation with ODF about this, and that ODF was not interested in running this grant program. Josh said that ODF knows about a lot of fuel reduction projects that go unfunded, so developing a better partnership likely would lead to effective utilization of this money: we don’t want to leave \$3 million on the table.

7) Hazards Projects: DOGAMI

Yumei talked briefly about the many leadership and staff changes at DOGAMI. She provided an overview of the following projects, which are being assisted by three new limited duration staff members:

- Tsunami evacuation route planning (Beat the Wave) – completed, Seaside (2015 OFR O-15-02)
- Coastal erosion monitoring (various beaches on the north and central coast) and dune management analyses in Cannon Beach
- Sea level rise, with OSU, in Tillamook Bay and Coos Bay
- Landslide mapping in Multnomah County, and the greater Eugene/Springfield area
- Natural hazard risk mapping in these counties: Clatsop, Tillamook, Lincoln, Coos, Curry, Clackamas, Multnomah, Washington, Jackson, Harney, Grant, and coastal Lane and coastal Douglas
- Channel migration potential for all major rivers (132) in Oregon, with DLCD
- New instrument sites for Oregon Seismic Monitoring Network, with UO, PNSN and USGS

She talked about an existing seismic instrument network legal mechanism that requires those building new structures over six stories to either place seismographs or make a payment to DOGAMI to do so.

Dennis noted that FEMA has a standard way of going about benefit/cost analysis for sea level rise. He indicated that he would share this with Yumei. Yumei noted that the rise in the North American Plate is outpacing sea level rise for the Oregon Coast. Sudden subduction due to a CSZ event will quickly reverse this someday, however.

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<sup>2</sup> Fire Management Assistance Grant Program (FMAGP) Hazard Mitigation Grant Program (HMGP)

8) Hazards Projects: DAS-CFO

Yumei provided this report on behalf of Alice Wiewel, State of Oregon Architect, DAS, which has hired DOGAMI (Yumei) to help-out, summarizing the following:

- Earthquake and flood risk planning of state owned buildings: DAS, OYA and OLCC completed. DOC, ODF, ODFW, ODOT, and OMD are underway (Yumei noted information about this is up on the DAS website).
- Conceptual resilience design scoping and costs of proposed new “mission critical” building to provide continuity of “mission critical” state government services; to be designed for high performance in terms of life safety, building damage and recovery. In terms of using money effectively, it has been determined that it probably makes more sense to build a new seismically resilient building on the “yellow lot” or “red lot” for critical state functions. This building would be designed with base isolation, would be energy “net zero,” and have its own water and food. She noted that new buildings on the Capitol Mall must be four stories or fewer so as to not compete with the Capitol Building.
- Assisting OEM with match funds for NEHRP<sup>3</sup> activities, i.e., OEM is using the state assessment as non-federal match for NEHRP. Althea said that NEHRP is a tiny, but important bucket of funding. It is 50%-50% money. In recent years, it has provided about \$80,000 federal to the State of Oregon.

Yumei noted that they are also working to identify mission critical structures so that these can be functional after a CSZ event. This would bring these structures up to something better than a life safety standard.

Yumei talked about LEED certified buildings that may not be resilient to natural hazards. There is a new standard, platinum, which is about resiliency, especially high life safety, minimal damage to the building, and quick recovery.

9) Local NHMP updates

Josh noted that all the PDM<sup>4</sup>12 project work is done and all the plans are FEMA approved. PDM13 Coos, Curry, and Douglas are about 90% done. He gave some specifics. He noted that the City of Reedsport has adopted a stand-alone plan for grant reasons. He then talked about the PDM14 and 15 jurisdictions, and an application that is being put together for PDM16. He talked about a flood survey being done for Clackamas County on the Lower Sandy.

Mike asked what is the average time required to update a local NHMP. Josh said that three to four months is the shortest, but often it goes a year or slightly more.

Dennis said that we are often waiting around a long time for FEMA to obligate the money (recently we waited more than one year for FEMA to fund a grant needed for natural hazards mitigation planning).

Brett noted and Josh detailed a project being funded by FEMA and EPA Region Ten focused on green infrastructure and low impact development flood approaches in Ashland. DOGAMI is a partner on the GIS pieces of this project. Brett described EPA as excited to be working with a local government to highlight the nexus between actions that are good for the environment and also increase community resilience.

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<sup>3</sup> NEHRP is National Earthquake Hazard Reduction Program

<sup>4</sup> PDM is Pre-Disaster Mitigation, a FEMA grant program.

There was a discussion about metrics for FEMA-approved NHMPs in Oregon. Dennis then noted a recent decision by FEMA that special districts also need to have FEMA-approved NHMPs to be eligible for the various FEMA mitigation grants. FEMA says that they are considered local governments under state law.

Tricia talked about the PDM14 grant, and work she is doing in Tillamook County and the City of Medford. These projects were kicked-off in June with second meetings scheduled during September. Medford is aiming to become an addendum to the Jackson County NHMP.

Dennis noted that with regard to PDM16, Reedsport has submitted an application for pump equipment to keep the dry side of the levee dry.

With regard to Flood Mitigation Assistance (FMA), Dennis said that we are buying a motel in Clatskanie. There are also a couple of projects within “the bowl” on Scott Creek in Clackamas County.

#### 10) State Resilience Officer Introduction

Mike Harryman, State Resilience Officer, Governor’s Office, began by noting that his appointment was confirmed by the Oregon Senate on May 25, and he began his new job on May 26. He had just come from a meeting with George Naughton and Dave Stuckey. In his previous position, he led the emergency preparedness part of the Public Health Division within OHA. He noted that he will make sure that OHA is well-represented on the State IHMT. He thanked the State IHMT for what it is doing. The history of the State IHMT was briefly discussed. It dates back to the Spring of 1997, and was formed during former Governor Kitzhaber’s first term. Yumei noted the key role that the State IHMT plays in maintaining and implementing the Oregon NHMP. Matt noted that he is chairing this particular meeting because OEM is between SHMOs. The new SHMO is likely to become the new chairperson.

Don asked Mike about a resilience task force that used to exist. He believes that it had been led by OEM. Mike noted that he was on the SB33 Task Force, which was intended to have a limited duration and six specific tasks to accomplish. Mike said that he is the caretaker of the *Oregon Resilience Plan*. It is a 50-year plan. Mike’s focus is on “the winnable stuff,” including mitigation, preparedness and recovery.

Yumei noted that she would like it if a report from the State Resilience Officer became a standing agenda item at these meetings. [This suggestion was not conclusively adopted.]

There was a brief side conversation about private sector flood insurance. Dennis noted how critical Tracie has been to OEM and DLCDC on this matter.

#### 11) NOAA-F to FEMA Biological Opinion for Oregon (NFIP)

Chris said that FEMA is charged with implementing this. DLCDC has advised local governments not to do anything until FEMA tells them what to do. There was an article in the Statesman Journal today about Marion County getting way out ahead of this. Chris went to the DLCDC website to highlight a series of meetings on this topic that are scheduled (or have already occurred). Chris said that the DLCDC website is the most up-to-date site on this topic; FEMA is having trouble keeping its website current on these matters. Chris said that DLCDC will have an interagency workgroup on implementation, which will occur over two years.

12) Flood Mitigation Subcommittee (aka, “Silver Jackets”) update [standing agenda item]

There was no report under this agenda item. Josh asked that the report given during a coordination conference call yesterday be incorporated. [The following are the notes Cynthia McCoy (FEMA) provided from that call:

“OR Silver Jackets Update:

- Aimed to have meeting in July, rescheduling for Mid-late Aug
- Developing priorities for future projects. Silver Jackets working in coordination with FEMA and DLCD
- July 25 – John Day floodplain updates – County wants to be involved in the RM program
- City of Turner – going through FEMA review. Going to PMR. Currently stalled until resources available for review
- Rapid Flood Inundation mapping – Trying to develop tool for communities who want quick assessment of flood risk. Using Lidar and developing 2D model. Willamette River used as test case.”]

13) Public comment

There was no public comment at this meeting.

14) Adjourn

The meeting adjourned right on time at 11:30 a.m. It was noted that the next meeting is scheduled for October 20.