

Appendix C:

City of Wilsonville

Addendum to the Clackamas County Natural Hazards Mitigation Plan 2012 Amendments and Update

The Oregon Partnership for Disaster Resilience prepared this Appendix to the City of Wilsonville Addendum to the Clackamas County Natural Hazard Mitigation Plan (Wilsonville Addendum) as part of the 2011-12 update to the Clackamas County Natural Hazard Mitigation Plan. Upon local adoption, the appendix will become part of the Wilsonville Addendum and will ensure that the City of Wilsonville maintains FEMA Pre-Disaster Mitigation Program eligibility as well as compliance with the Clackamas County NHMP.

This appendix is organized according to the sections outlined in the Wilsonville Addendum. A description of each section is presented below with proposed changes and updates following each.

Section 1: Planning Process

The planning process section of the Wilsonville Addendum describes the activities used by the steering committee and community to develop the plan. Updates to the Planning Process section are as follows:

On Page 8, following the “Planning Process” subsection, insert the following:

2012 Planning Process

The RARE Participant and Clackamas County Emergency Management developed and facilitated one plan update meeting with the Hazard Mitigation Advisory Committee on June 8, 2012. Please see Appendix A for the meeting agenda and minutes.

2012 Committee members included:

- *Martin Brown, City of Wilsonville – Building Official*
- *Ray Brunstrom, Wilsonville Citizen*
- *Laura Comstock, Clackamas County Emergency Management/RARE*
- *Randy Edmiston, Sysco Portland Inc.*
- *Blaise Edmonds, City of Wilsonville – Planning*
- *Delora Kerber, City of Wilsonville – Public Works*
- *Steve Munsterman, City of Wilsonville – Public Works*
- *Jeff Rubin, TVF&R*
- *Daniel Stark, City of Wilsonville – GIS*

- Tim Woodley, WLWV-SD

NHMP Update Meeting - June 8, 2012: The participant worked with the city lead to convene the steering committee and meet to review and update the city's Natural Hazards Mitigation Plan Addendum. Because the county is in the process of updating their NHMP, each of the cities were required to update their addendums, regardless of when their plan was last updated or developed. This is to ensure that the county and all of the cities are on the same timeline, and will now all update their NHMP's in 5 years. As part of this meeting, the steering committee reviewed the county's updated hazard assessment and made necessary changes to their hazard assessment, if necessary. The committee also reviewed their list of community assets to determine if any new additions or changes needed to be made. The committee also reported on progress made to the action items listed in the current NHMP. The committee reviewed the mitigation strategy and plan implementation and maintenance pieces and made changes if necessary.

On Page 11, second paragraph following the "Plan Maintenance" subsection, delete the entire paragraph and replace with the following paragraph:

Semi Annual Meetings

~~The HMAC will meet on a semi annual basis. Meetings will be held in the April and October of each year to allow the committee to debrief on the previous hazard seasons and prepare for the upcoming hazard seasons. In addition to debriefing and preparing for the upcoming hazard seasons, at the first meeting the committee will:~~

Annual Meeting

The HMAC will meet once a year. The meeting will be coordinated by the convener. This meeting will debrief on the previous hazard seasons and prepare for the upcoming hazard seasons. In addition to debriefing and preparing for the upcoming hazard seasons, the committee will:

On Page 11, first sentence following the first set of bullets under the "Plan Maintenance" subsection, delete the following sentence:

~~During the second meeting of each year, the committee will:~~

On Page 12, first paragraph following the set of bullets under the "Plan Maintenance" subsection, insert the following paragraph:

The convener, or city lead designee, will be responsible for meeting annually with the county Hazard Mitigation Coordinator. This meeting will provide a chance for each of the city leads to meet together and discuss updates and progress with the Hazard Mitigation Coordinator. The convener will report back to the HMAC with information gathered. The Coordinator will be responsible for setting up the meeting, and providing the city leads with updates on new studies or potential funding opportunities for mitigation projects.

On Page 12, third paragraph following the "Plan Maintenance" subsection, delete the first sentence and replace with the following sentence:

~~The convener will be responsible for documenting the outcome of the semi-annual meetings.~~

The convener will be responsible for documenting the outcome of the annual meeting, as well as the meeting with the county's Hazard Mitigation Coordinator.

Section 2: Community Profile

The community profile section of the Wilsonville Addendum describes a variety of community characteristics specific to the City of Wilsonville. Based on new information compiled during the Clackamas County NHMP update process, updates to the Wilsonville Addendum include the following:

On Page 27, under the "Critical Infrastructure" subsection, edit the following bullet:

- ~~Waste Water Treatment Plant~~
- Water Treatment Plant – Arrowhead Creek Lane Bridge

On Page 27, under the "Critical Infrastructure" subsection, edit the following bullet:

- ~~Commuter Rail Station (WES); freight tracks~~
- Freight tracks

On Page 27, under the "Critical Infrastructure" subsection, edit the following bullet:

- ~~Communications towers (Elligsen, Pioneer Court, Villebois)~~
- Communications towers (Elligsen, Pioneer Court, Villebois, 1st Street)

On Page 27, under the "Critical Infrastructure" subsection, add the following bullet:

- First Student Fleet & Dispatch

On Page 27, under the "Essential Facilities" subsection, delete the following bullet:

- ~~WLWV at Town Center (Pre school to 7th grade)~~

On Page 28, under the "Essential Facilities" subsection, edit the following bullet:

- ~~New primary school at Villebois (under construction)~~
- Lowrie (Villebois) Primary School

On Page 28, under the Schools bullet of the "Essential Facilities" subsection, add the following bullet:

- Oregon Institute of Technology

On Page 28, under the Food provider's bullet of the "Essential Facilities" subsection, add the following bullets:

- *Fred Meyer*
- *Pacific Natural Foods*

On Page 28, under the Pharmacies bullet of the “Essential Facilities” subsection, add the following bullet:

- *Fred Meyer*

On Page 28, under the “Vulnerable Populations” subsection, edit the following bullet:

- ~~*Canyon Creek Correctional Facility*~~
- *Coffee Creek Correctional Facility*

On Page 29, under the “Economic Assets/Population Centers” subsection, edit the following bullet:

- ~~*Sysco Food Services of Portland, Inc.*~~
- *Sysco Portland, Inc.*

On Page 29, under the “Economic Assets/Population Centers” subsection, add the following bullets:

- *Old Town Square*
- *Pacific Natural Foods*
- *Georgia Pacific*

On Page 29, under the “Environmental Assets” subsection, delete the following bullet:

- ~~*South Tributary*~~

On Page 30, under the “Environmental Assets” subsection, combine and edit the following bullets:

- ~~*Charbonneau*~~
- ~~*Golf Course*~~
- *Charbonneau Golf Course*

On Page 30, under the “Environmental Assets” subsection, add the following bullets:

- *Sofia Park*
- *Palermo Park*

On Page 33, under the “Historic and Cultural Resources” section, edit the following sentence:

- ~~*Historic and cultural resources in Wilsonville include the Magness Memorial Tree Farm, Memorial Park, Graham Oaks Nature Park and Trailhead, Fir Point Farm, Town Center Park, Boones Ferry Park, Murase Plaza, the Oregon Korean War Memorial, Clackamas County Visitors*~~

~~Center, CREST Environmental Learning Center, and the annual Wilsonville Festival of Arts and Parade featuring the world of local and regional artists, poetry readings, story telling, music and dance performances.~~

- Historic and cultural resources in Wilsonville include the Magness Memorial Tree Farm, Memorial Park, Graham Oaks Nature Park and Trailhead, Fir Point Farm, Town Center Park, Boones Ferry Park, Murase Plaza, the Oregon Korean War Memorial, Clackamas County Visitors Center, and the CREST Environmental Learning Center.

Section 3: Risk Assessment

The risk assessment section of the Wilsonville Addendum describes the types, causes, characteristics and relative risk posed by natural hazards on the City of Wilsonville. Based on new information compiled during the Clackamas County NHMP update process, updates to the Wilsonville Addendum include the following:

On Page 47, remove the section, “Severe Storms: Wind and Winter” and replace with:

~~**Severe Storms: Wind and Winter**~~

Severe Weather: Wind, Winter, and Extreme Heat

On Page 47, after Paragraph 4 of the “Severe Storms: Wind and Winter” subsection, insert the following paragraph:

Extreme heat has a moderate threat in Wilsonville. The HMAC estimates the probability for future extreme heat events is ‘moderate,’ meaning one incident is likely within a 35 to 75 year period. This estimate is lower than the county’s ‘high’ rating. The vulnerability estimate of future extreme heat events is ‘moderate,’ meaning between 1% and 10% of the population and assets would be affected in a major event. This estimate is in agreement with the county’s ‘moderate’ rating.

On Page 49, Paragraph 5 of the “Earthquake” subsection, delete the first two sentences of the paragraph and replace with the following:

~~*The SEOC ranks the probability of future earthquake events as ‘low,’ meaning one event is likely within a 75 to 100 year period. This estimate is lower than the county’s ‘high’ probability estimate.*~~

The HMAC ranks the probability of future earthquake events as ‘low,’ meaning one event is likely within a 75 to 100 year period. This estimate is lower than the county’s ‘moderate’ probability estimate.

On Page 54, Paragraph 4 of the “Volcano” subsection, delete sentences one and two and insert the following:

Clackamas County estimates a low probability that volcanic eruptions will occur in the future and a high vulnerability to volcanic events. Both ratings are true for the city of Wilsonville as well.

Clackamas County estimates a low probability that volcanic eruptions will occur in the future and a moderate vulnerability to volcanic events. Both ratings are true for the city of Wilsonville as well.

On Page 54, following the “Volcano” subsection, insert the following new “Drought” subsection:

Drought Profile

The Clackamas County Multi-Jurisdictional Natural Hazards Mitigation Plan adequately describes the causes and characteristics, history, location, extent and impacts of drought affecting the city of Wilsonville. Descriptions of the drought hazard can be found on pages DR-1 to DR-6 of the 2012 Clackamas County Natural Hazards Mitigation Plan update.

The probability of drought in Wilsonville was determined using scientific data, historical occurrences, and local knowledge. The HMAC estimates the probability of drought to be ‘moderate’ meaning one incident is likely within a 35 to 75 year period. This is in agreement with the county’s ‘moderate’ rating. The HMAC estimates that Wilsonville has a ‘low’ vulnerability to drought conditions, meaning less than 1% of the population could be affected in a large-scale regional event. This is in agreement with the county’s ‘low’ rating.

Drought Mitigation Activities

The existing drought hazard mitigation activities are conducted at the county, regional, state, and federal levels and are described in the Clackamas County Natural Hazards Mitigation Plan. As such, the information will not be repeated here.

Drought Mitigation Action Items

The city of Wilsonville does not believe that implementing drought-related mitigation activities will be cost-effective at this time. As such, the city has not identified drought mitigation action items. Wilsonville will partner with Clackamas County, however, on the implementation of mitigation strategies that benefit both jurisdictions.

Section 4: Action Items

The action items section of the Wilsonville Addendum describes detailed recommendations for activities that local departments, citizens and others could engage in to reduce risk. Based on new information compiled during the Clackamas County NHMP update process, updates to the Wilsonville Addendum include the following:

On Page 55, Paragraph 1 of the “Action Items” subsection, delete the last sentence of the paragraph and replace with the following:

~~*Full action item worksheets are located in Appendix B of this addendum.*~~

The full action item worksheets with updated progress for 2012 are located in Appendix B of this addendum.

On Page 56, Paragraph 2 of the “Action Items” subsection, delete the first two sentences of the paragraph and replace with the following:

~~*Note: the City of Wilsonville does not believe that implementing landslide and volcano related mitigation activities will be cost effective at this time. As such, the city has not identified landslide or volcanic eruption mitigation action items.*~~

Note: the City of Wilsonville does not believe that implementing landslide, drought, and volcanic-related mitigation activities will be cost-effective at this time. As such, the city has not identified landslide, drought, or volcanic-eruption mitigation action items.

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