

Appendix C:

City of Johnson City

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 Johnson City Addendum to the Clackamas County Natural Hazard Mitigation Plan (Johnson City 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 Johnson City Addendum and will ensure that the City of Johnson City 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 Johnson City 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 Johnson City 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 6, following the “Planning Process” subsection, insert the following:

2012 Update Planning Process

The RARE Participant and Clackamas County Emergency Management developed and facilitated one plan update meeting with the Hazard Mitigation Task Force on June 1, 2012. Please see Appendix A for the meeting agenda and minutes.

2012 Committee members included:

- *B.J. DiCario, Johnson City Planning Commission*
- *Judy Davis, Johnson City Recorder*
- *Kay Mordock, Mayor of Johnson City*
- *Kevin Johnson, Johnson Mobile Estates*
- *Laura Comstock, Clackamas County Emergency Management/RARE*

NHMP Update Meeting - June 1, 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 8, first paragraph following the "Coordinating Body" subsection, delete sentence one and replace with the following sentence:

~~*The Hazard Mitigation Task Force (HMTF) will serve as the coordinating body for Johnson City's Natural Hazards Mitigation Plan Addendum.*~~

In conjunction with the City Council, the Hazard Mitigation Task Force (HMTF) will serve as the coordinating body for Johnson City's Natural Hazards Mitigation Plan Addendum.

On Page 8, first paragraph following the "Convener" subsection, delete sentence one and replace with the following sentence:

~~*The Johnson City Emergency Manager (from Clackamas Fire District #1) will serve as the plan's convener.*~~

The Mayor of Johnson City will serve as the plan's convener.

On Page 9, first paragraph following the "Plan Maintenance" subsection, delete the last sentence and replace with the following sentence:

~~*The Hazard Mitigation Task Force and Emergency Manager will be responsible for maintaining the plan.*~~

The Hazard Mitigation Task Force and Mayor will be responsible for maintaining the plan.

On Page 9, second paragraph following the "Plan Maintenance" subsection, delete the entire paragraph and replace with the following paragraph:

Semi Annual Meetings

~~*The HMTF will meet on a semi-annual basis. Meetings will be held in the spring and fall 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 each spring meeting the committee will:*~~

Annual Meeting

The HMTF will meet once a year. The meeting will be coordinated by the convener and will coincide with a city council meeting. 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 9, set of bullets under the “Plan Maintenance” subsection, delete these bullets and replace with the following bullets:

- ~~Document hazard events that occurred in the previous fall and winter months;~~
- ~~Prepare public education pieces for the upcoming spring and summer month hazards;~~
- ~~Document hazard events that occurred in the previous spring and summer months;~~
- ~~Prepare public education pieces for the upcoming fall and winter month hazards;~~
- Document hazard events that occurred in the previous year;
- Prepare public education pieces for the upcoming hazard seasons

On Page 9, 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 10, 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 HMTF 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 10, 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 Johnson City Addendum describes a variety of community characteristics specific to the City of Johnson City. Based on new information compiled during the Clackamas County NHMP update process, updates to the Johnson City Addendum include the following:

On Page 19, under the “Environmental Assets” subsection, edit the following bullet:

- ~~Park adjacent to Lake Leona~~

- Mordock Park

Section 3: Risk Assessment

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

On Page 23, Paragraph 5 of the “Flood” subsection, delete the paragraph and replace with the following paragraph:

~~The HMTF estimates the probability of future flooding events in Johnson City is ‘high’ meaning one event is likely to occur within a 10 to 35 year period. The HMTF estimates the city’s vulnerability to flooding events is ‘moderate’ meaning between 1% and 10% of the city’s population and/or assets could be affected in a major flood event. Both estimates are in agreement with the county’s probability and vulnerability ratings.~~

The HMTF estimates the probability of future flooding events in Johnson City is ‘moderate’ meaning one event is likely to occur within a 35 to 75 year period. This estimate is lower than the county’s ‘high’ probability ranking. The HMTF estimates the city’s vulnerability to flooding events is ‘moderate’ meaning between 1% and 10% of the city’s population and/or assets could be affected in a major flood event. This is in agreement with the county’s ‘moderate’ vulnerability ranking.

On Page 28, Paragraph 4 of the “Wildfire” subsection, delete the paragraph and replace with the following paragraph:

~~The HMTF estimates the probability of future wildfire events is ‘moderate,’ meaning one event is likely within a 35 to 75 year period. The HMTF additionally estimates that the city has a ‘moderate’ vulnerability to wildfire hazards, meaning between 1% and 10% of the population or community assets could be affected by a major wildfire event. Both rankings are in agreement with the county’s ‘moderate’ ratings.~~

The HMTF estimates the probability of future wildfire events is ‘low,’ meaning one event is likely within a 75 to 100 year period. The HMTF additionally estimates that the city has a ‘low’ vulnerability to wildfire hazards, meaning less than 1% of the population or community assets could be affected by a major wildfire event. Both rankings are lower than the county’s ‘moderate’ rankings.

On Page 31, 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 31, Paragraph 1 of the “Severe Weather: Wind, Winter, and Extreme Heat” subsection, delete the following sentence and insert the following:

~~Additionally, the historical severe storm events up to September 2007 have also been described in the county plan, and are applicable to Johnson City.~~

Additionally, the historical severe weather events up to September 2012 have also been described in the county plan, and are applicable to Johnson City.

On Page 31, Paragraph 2 of the “Severe Weather: Wind, Winter, and Extreme Heat” subsection, delete the first and last sentence of the paragraph and replace with the following sentences:

~~The HMTF estimates the probability of future winter storm events is ‘high,’ meaning one incident is likely within a 10 to 35 year period.~~

~~Both the probability and vulnerability rankings for winter storms are in agreement with the county’s rankings.~~

The HMTF estimates the probability of future winter storm events is ‘moderate,’ meaning one incident is likely within a 35 to 75 year period.

The probability estimate is in accordance with the county’s ‘moderate’ ranking, but the vulnerability estimate is higher than the county’s ‘low’ rating.

On Page 31, after Paragraph 4 of the “Severe Weather: Wind, Winter, and Extreme Heat” subsection, insert the following paragraph:

Extreme heat has a very low threat in Johnson City. The HMTF estimates the probability for future extreme heat events is ‘low,’ meaning one incident is likely within a 75 to 100 year period. This estimate is lower than the county’s ‘high’ rating. The vulnerability estimate of future extreme heat events is ‘low,’ meaning less than 1% of the population and assets would be affected in a major event. This estimate is lower than the county’s ‘moderate’ rating.

On Page 33, Paragraph 6 of the “Earthquake” subsection, delete the first two sentences of the paragraph and replace with the following:

~~The HMTF ranks both the probability of future earthquake events and vulnerability as ‘high,’ meaning one event is likely within a 10 to 35 year period and more than 10% of population and assets would be affected in a major event. Both estimates are in agreement with the county’s ‘high’ ratings.~~

The HMTF ranks the probability of future earthquake events as ‘moderate,’ meaning one incident is likely within a 35 to 75 year period. This is higher than the county’s ‘low’ rating. Additionally, the HMTF estimates the vulnerability of future earthquake events is ‘high,’ meaning more than 10% of the population and assets could be affected in a major event. This is in agreement with the county’s ‘high’ rating.

On Page 42, Paragraph 4 of the “Volcano Profile” section, remove the following sentences and replace with:

~~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 Johnson City as well.~~

Johnson City estimates a 'low' probability of volcanic eruptions occurring, meaning one event is likely within a 75 to 100 year period. This is in agreement with the county's 'low' rating. Johnson City estimates a 'high' vulnerability to volcanic eruptions, meaning more than 10% of the population and infrastructure will be affected. This is higher than the county's 'moderate' rating.

On Page 42, 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 Johnson City. 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 Johnson City was determined using scientific data, historical occurrences, and local knowledge. The HMTF estimates the probability of drought to be 'low' meaning one incident is likely within a 75 to 100 year period. This is lower than the county's 'moderate' rating. The HMTF estimates that Johnson City 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 Johnson City 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. Johnson City 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 Johnson City 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 Johnson City Addendum include the following:

On Page 43, 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 43, List of action items under the “Action Items” subsection, delete the following bullets and replace with the following:

- ~~• MH #2: Integrate the goals and action items from the Natural Hazards Mitigation Plan into existing regulatory documents and programs, where appropriate.~~
- ~~• MH #5: Maintain records of the locations of all underground utility lines.~~
- ~~• FL #1: Explore participation in the National Flood Insurance Program (NFIP).~~
- ~~• FL #2: Coordinate with Clackamas County to keep Kellogg Creek clear of debris.~~
- MH #2: Update, maintain, and map records of the locations of all underground utility lines.
- FL #1: Coordinate with Clackamas County to keep Kellogg Creek clear of debris.
- SW #1: Conduct public outreach campaigns to raise awareness about severe storm hazards, shelter sites, and mitigation actions residents can take to reduce the impact of severe weather in Johnson City.

On Page 43, Paragraph 2 of the “Action Items” subsection, delete the first two sentences of the paragraph and replace with the following:

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

Note: the City of Johnson City 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.

This page left intentionally blank.